

2016-2021 TITAN XD

BODY BUILDER'S GUIDE

NISSAN | Commercial Vehicles



SHIFT_the way you move

FOREWORD

This manual contains body builder's information for the 2016–2021 Model Years Nissan TITAN XD.

For your safety and the proper functioning of the vehicle, this guide should be read thoroughly.

All information in this guide is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice. The most accurate and up to date information can be found on www.nissan-techinfo.com

Measurements found within this publication are for reference only. For exact measurements, contact Nissan Commercial and Fleet Aftermarket Engineering for CAD data.

IMPORTANT SAFETY NOTICE

The proper performance of procedures described in this guide is essential for both the safety of the technician and the proper functioning of the vehicle. The methods in this Body Builder's Guide are described in such a manner that they may be performed safely and accurately. Methods vary with the procedures used, the skills of the technician and the tools and parts available. Accordingly, anyone using procedures, tools or parts which are not specifically recommended by Nissan must first be completely satisfied that neither personal safety nor the vehicle's safety will be jeopardized by the method selected.

WARNINGS, CAUTIONS AND NOTES USED IN THIS MANUAL



WARNING:

This is used to indicate the presence of a hazard that could cause death or serious injury. To avoid or reduce the risk, the procedures must be followed precisely.



CAUTION:

This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE:

This is used to provide additional information.



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GENERAL INFORMATION

DISCLAIMER

Important Regulatory Information

Emission standards and motor vehicle safety standards for new vehicles and equipment have been established by the United States and Canadian Governments under the provisions of the Clean Air Act, the Noise Control Act, and the National Traffic and Motor Vehicle Safety Act in the U.S., and the Canadian Motor Vehicle Safety Act in Canada. These Acts govern Nissan as the original equipment manufacturer of the Nissan TITAN XD. They also govern dealers, body builders, and all others who manufacture and market new motor vehicles and equipment. Part 568 of the Title 49 Code of Federal Regulations (CFR) describes requirements for intermediate manufacturers, final-stage manufacturers, and manufacturers who assume legal responsibility for a vehicle. This Body Builder's Guide (Guide) partially fulfills Nissan's obligations as the original equipment manufacturer. Additionally, this guide identifies regulatory requirements to assist intermediate and final stage manufacturers to determine their obligations to conform with these standards.

Compliance labels affixed to Nissan TITAN XD indicates the status of initial compliance as of the date of manufacture by Nissan. Any subsequent modifications made to this vehicle may affect the final certification of the engine, vehicle or equipment. The body builder, conversion company, or dealer responsible for any modification has the responsibility to certify that the modified vehicle and equipment complies or continues to comply with all applicable motor vehicle safety standards and emissions regulations. The body builder, conversion company, or dealer is responsible for making sure the modifications or installed equipment do not affect the safety of the vehicle, including modifications which may result in a collision, property damage, personal injury or death.

Nissan does not assume responsibility as the final stage manufacturer for modified or altered vehicles. Nissan is not responsible for final certification, product liability claims, or warranty claims, resulting from any component, assembly, or system altered by or at the request of the body builder, conversion company, dealer or vehicle purchaser. Nissan is not responsible for modifications which cause the vehicle to become noncompliant with any of the motor vehicle safety standards, emissions regulations, or modifications that cause the vehicle to be or become defective or unsafe.

Disclaimer

All information, specifications and illustrations in this manual are those in effect at the time of printing. Nissan reserves the right to change specifications or design without notice and without obligation.

The body builder, conversion company, aftermarket equipment manufacturer, second stage manufacturer, upfitter, dealer and the vehicle purchaser are responsible to abide by all regulations issued by the National Highway Traffic Safety Administration (NHTSA), the Occupational Safety and Health Act (OSHA), state, local, or provincial government laws. These regulations and laws may require the installation of additional equipment for the intended use of the vehicle.

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SERVICE INFORMATION AND TOOLS

For service information, refer to www.nissan-techinfo.com.

For special service tools, refer to www.nissantechmate.com.

CONTACT INFORMATION

General

Nissan Commercial and Fleet Aftermarket Engineering 1 (855) 651-6655 or by E-mail at Nissan-AET@Nissan-USA.COM.

WARRANTY**Emissions Control System Warranty**

For Nissan warranty information, refer to the Warranty Information Booklet in the Owner's Manual package.

DEFINITIONS OF TERMS

The following definitions are from Title 49, Code of Federal Regulations, Parts 567.3, 568.3 and 571.3 where noted. Canadian definitions are from Canada Motor Vehicle Safety Regulations, Section 2(1), and are in italics. Nissan definitions are for the purpose of this publication only. Some terms are followed by an abbreviation that is used throughout this publication.

USA

Accessory Reserve Capacity (ARC) — Represents the amount of bolt-on accessory or modification weight permanently attached to a certified vehicle before its unloaded vehicle weight exceeds the unloaded vehicle weight for which Nissan has established FMVSS/CMVSS compliance. Accessory Reserve Capacity designations assume the use of permanently attached components resulting in center of gravity locations generally similar to those of comparable completed vehicles. Any additions or alterations that significantly affect the center of gravity of the total unit could impose more severe conditions than those for which Nissan has established compliance to FMVSS and CMVSS requirements.

Center of Gravity (CG) — The center of mass of a body or system.

Completed Vehicle — A vehicle that requires no further manufacturing operations to perform its intended function, other than the addition of readily attachable components, such as mirrors or tire and rim assemblies, or minor finishing operations such as painting. (49CFR568.3)

Curb Weight — Is the weight of a motor vehicle with standard equipment; maximum capacity of engine fuel, oil, and coolant; and if so equipped, air conditioning and additional weight optional engine. (49CFR571.3)

Diesel Exhaust Fluid (DEF) is a non-hazardous solution, which is 32.5% urea and 67.5% de-ionized water. DEF is sprayed into the exhaust stream of diesel vehicles to break down dangerous NOx emissions into harmless nitrogen and water.

Diesel Particulate Filter (DPF) Filters and traps harmful diesel exhaust soot particles.

Engine Control Module (ECM) — The ECM consists of a microcomputer and connectors for signal input and output and for the power supply. The ECM also controls the engine.

Gross Combination Weight Rating (GCWR) — The value specified by the manufacturer as the loaded weight of a combination vehicle. (49CFR571.3)

Gross Vehicle Weight Rating (GVWR) — The value specified by the manufacturer as the loaded weight of a single vehicle. (49CFR571.3)

Lamps, Reflective Devices, and Associated Equipment — A lamp that is mounted on a multipurpose passenger vehicle, truck, or bus for the purpose of providing illumination to load or unload cargo.

Maximum Payload — Maximum allowable weight that can be placed in the vehicle, including driver, passengers and aftermarket equipment. Value is reduced by adding optional equipment.

NOx sensor — The NOx sensor supports control of the required urea dosing in SCR systems for NOx reduction and monitoring (OBD) of the SCR components. The ceramic sensor element works on the amperometric double chamber principle; it measures the NOx content in the exhaust gas.

HO2 Heated Oxygen Sensor — The sensor after the three-way catalyst (manifold) that monitors the oxygen level in the exhaust gas on each bank.

Seating system— Any seating position that can be adjusted to conform to different configurations.

SgRP — The theoretical hip point used by manufacturers when designing a vehicle. More specifically, it describes the relative position of the seated dummy's hip point when the seat is set in the rearmost and lowermost seating position. Also known as the "R-point" (reference point).

Stop Lamp Switch — An electrically powered switch that sends a signal to the BCM, to turn on the stop lamps, when the brake pedal is depressed.

Throttle Position Sensor (TPS) — The electric throttle control actuator that consists of the throttle control motor, throttle position sensor, etc. The throttle position sensor responds to the throttle valve movement.

Truck — A motor vehicle with motive power, except a trailer, designed primarily for the transportation of property or special purpose equipment. (49CFR571.3)

Unloaded Vehicle Weight (UVW) — Weight of a vehicle with maximum capacity of all fluids necessary for operation of the vehicle, but without cargo, occupants, or accessories that are ordinarily removed from the vehicle when it is not in use. (49CFR571.3)

Canada

Accessory Reserve Capacity (ARC) — Represents the amount of bolt-on accessory or modification weight permanently attached to a certified vehicle before its unloaded vehicle weight exceeds the unloaded vehicle weight for which Nissan has established FMVSS/CMVSS compliance. Accessory Reserve Capacity designations assume the use of permanently attached components resulting in center of gravity locations generally similar to those of comparable completed vehicles. Any additions or alterations that significantly affect the center of gravity of the total unit could impose more severe conditions than those for which Nissan has established compliance to FMVSS and CMVSS requirements.

Center of Gravity (CG) — The center of mass of a body or system.

Completed Vehicle — A vehicle that needs no further manufacturing operations to perform its intended function, other than the addition of readily attachable components, such as minor finishing operations such as painting.

Curb Weight — Is the weight of a vehicle with standard equipment and carrying its maximum capacity of fuel, oil, and coolant and includes the weight of any air conditioning equipment on the vehicle and the amount by which the weight of any optional engine with which the vehicle is equipped exceeds the weight of the standard engine.

Diesel Exhaust Fluid (DEF) is a non-hazardous solution, which is 32.5% urea and 67.5% de-ionized water. DEF is sprayed into the exhaust stream of diesel vehicles to break down dangerous NOx emissions into harmless nitrogen and water.

Diesel Particulate Filter (DPF) Filters and traps harmful diesel exhaust soot particles.

Engine Control Module (ECM) — The ECM consists of a microcomputer and connectors for signal input and output and for the power supply. The ECM also controls the engine.

Gross Combination Weight Rating (GCWR) — The value specified by the manufacturer as the loaded weight of a combination vehicle. (49CFR571.3)

Gross Vehicle Weight Rating (GVWR) — The value specified by the manufacturer as the loaded weight of a single vehicle. (49CFR571.3)

Lamps, Reflective Devices, and Associated Equipment — A lamp that is mounted on a multipurpose passenger vehicle, truck, or bus for the purpose of providing illumination to load or unload cargo or passenger.

Maximum Payload — Maximum allowable weight that can be placed in the vehicle, including driver, passengers and aftermarket equipment. Value is reduced by adding optional equipment.

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SgRP — The theoretical hip point used by manufacturers when designing a vehicle. More specifically, it describes the relative position of the seated dummy's hip point when the seat is set in the rearmost and lowermost seating position. Also known as the "R-point" (reference point).

Stop Lamp Switch — An electrically powered switch that sends a signal to the BCM, to turn on the stop lamps, when the brake pedal is depressed.

Throttle Position Sensor (TPS) — The electric throttle control actuator consisting of the throttle control motor, throttle position sensor, etc. The throttle position sensor responds to the throttle valve movement.

Truck — A motor vehicle designed primarily for the transportation of property or special-purpose equipment, but does not include a competition vehicle, a crawler-mounted vehicle, a three-wheeled vehicle, a trailer, a work vehicle, a vehicle imported temporarily for special purposes, a vehicle designed for operation exclusively off-road or a low-speed vehicle.

Unloaded Vehicle Weight (UVW) — Weight of a vehicle with maximum capacity of all fluids necessary for operation of the vehicle, but without cargo, occupants, or accessories that are ordinarily removed from the vehicle when it is not in use.

SAFETY INFORMATION

SUPPLEMENTAL RESTRAINT SYSTEM (SRS) PRECAUTIONS

Precautions for Supplemental Restraint System (SRS) "Air Bag" and "Belt Pre-Tensioner"

**WARNING:**

Always observe the following items for preventing accidental activation:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which could result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system or failure of the system to work properly in the event of an accident.
- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, the front passenger seat cannot be permanently removed.
- Never use electrical test equipment on any circuit related to the SRS. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

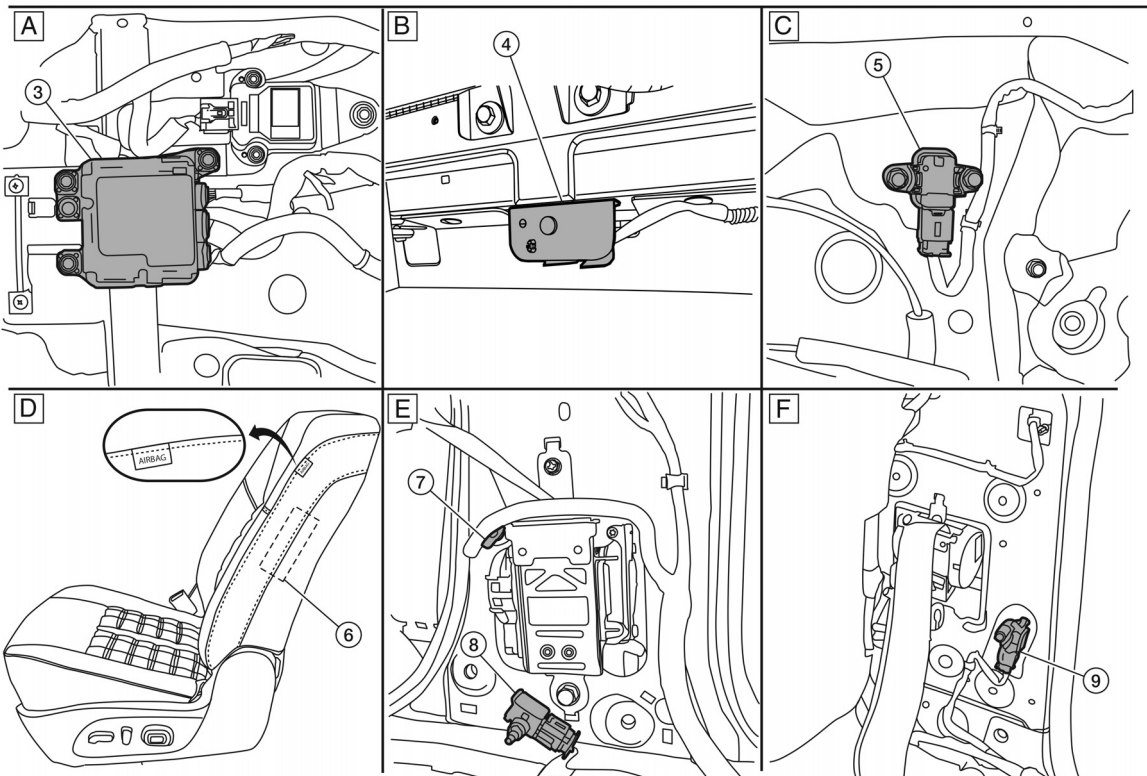
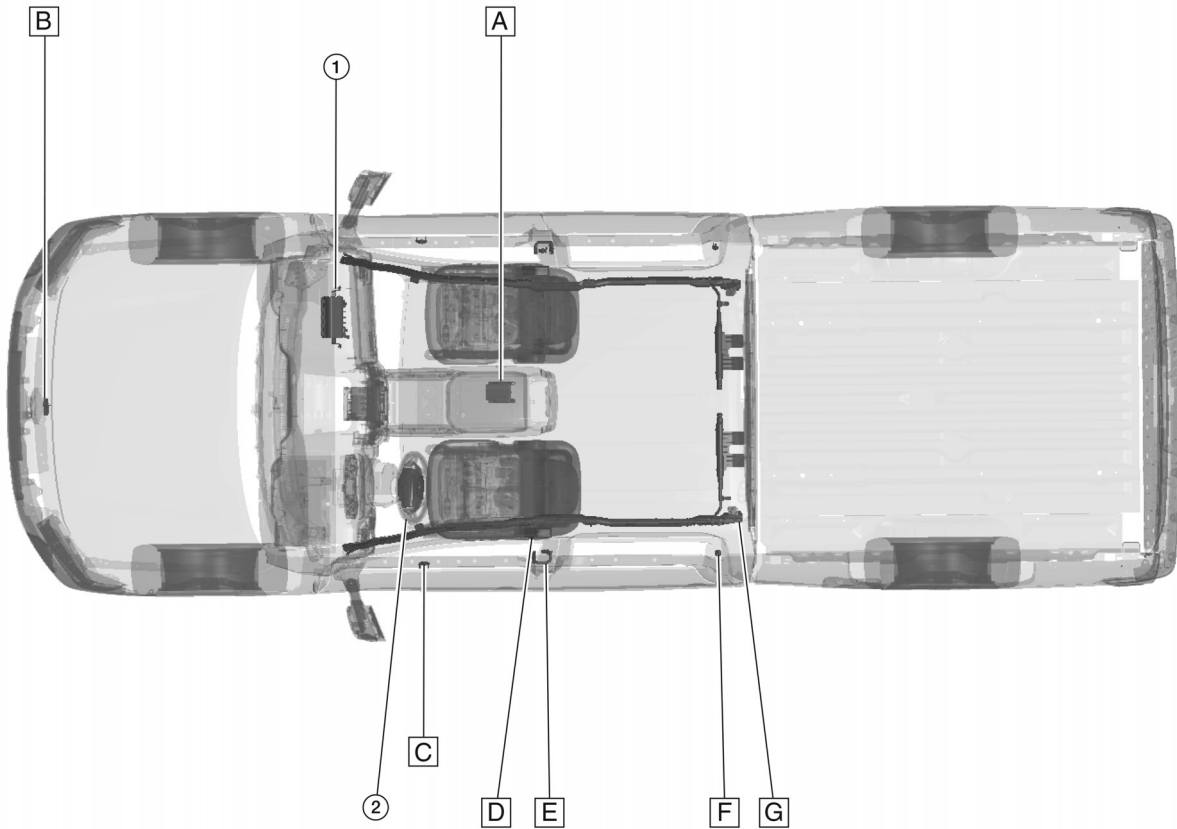
Precautions When Using Power Tools (Air or Electric) and Hammers

**WARNING:**

Always observe the following items for preventing accidental activation:

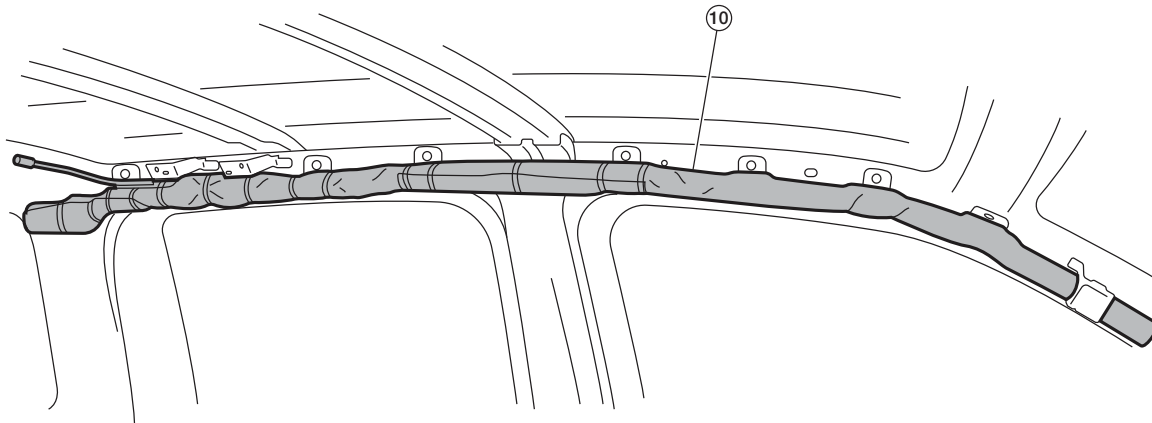
- When working near the Air bag Diagnosis Sensor Unit or other Air bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery or batteries, and wait at least 3 minutes before performing any service. Care should be taken to avoid damaging or contacting SRS components. Doing so may cause the system to improperly operate in the event of a collision.

SRS COMPONENT LOCATIONS – CREW CAB (2017-2019 Model Years)



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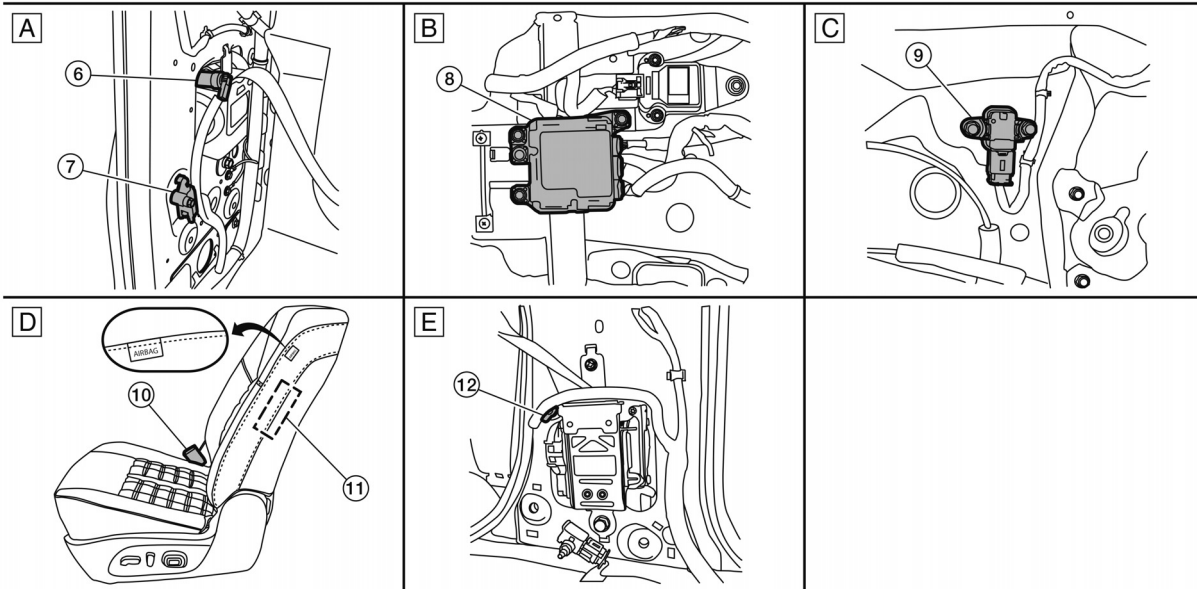
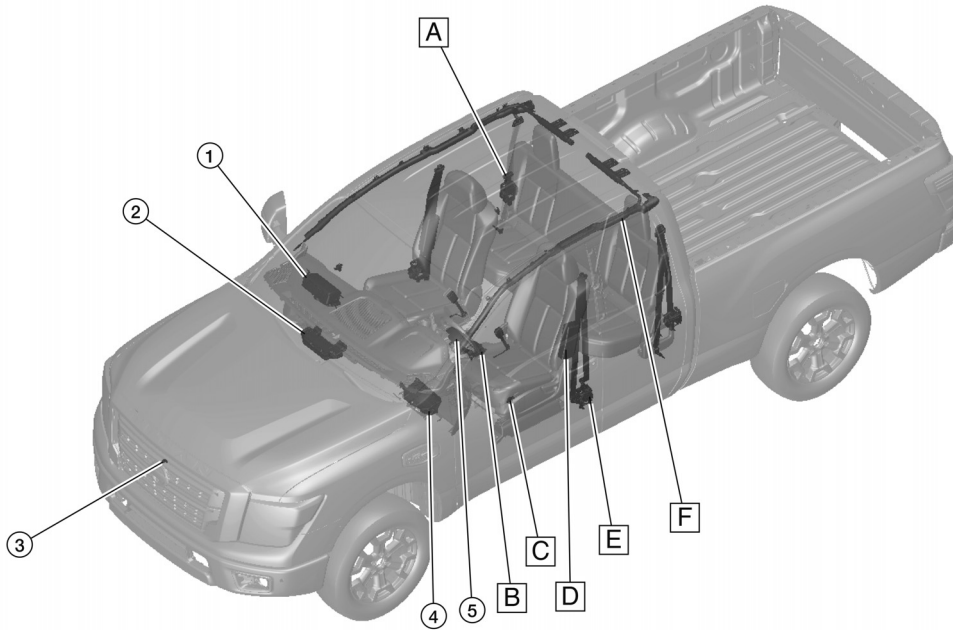


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- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Front passenger air bag module 3. Air bag diagnosis sensor unit 5. Front LH door satellite sensor (RH similar) 7. Front LH seat belt pre-tensioner (RH similar) 9. Rear LH side air bag satellite sensor (RH similar) | <ul style="list-style-type: none"> 2. Driver air bag module 4. Crash zone sensor (front view from underneath radiator core support) 6. Front LH side air bag module (RH similar) 8. Front side air bag satellite sensor LH (RH similar)
(all 2016 model year vehicles)
(2017 model year, if so equipped)
(2018 model year, not equipped) 10. LH side curtain air bag module (RH similar)
(view with headliner and A-pillar trim removed) |
|--|---|

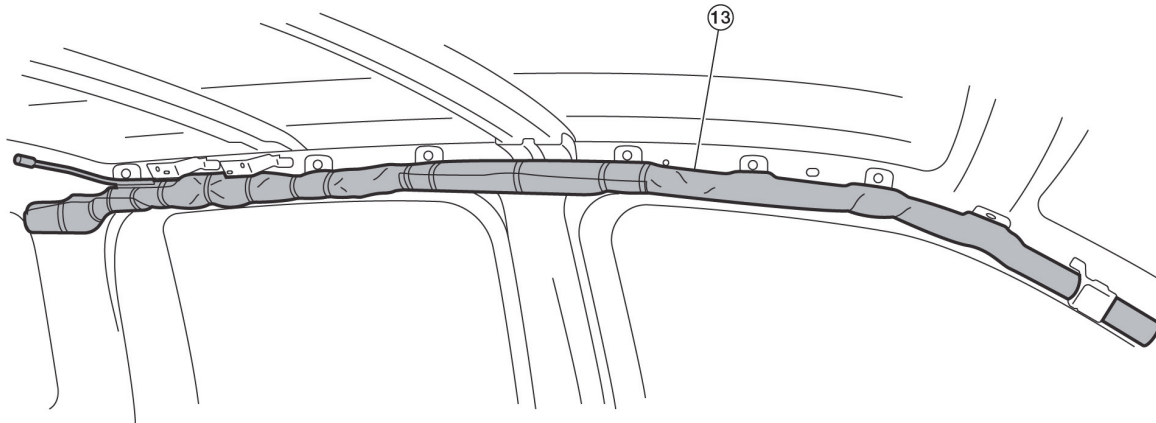
SRS COMPONENT LOCATIONS — CREW CAB (2020–2021 Model Years)

Starting with 2020 Model Year



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F



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1. Front passenger air bag module
2. Passenger knee air bag module
3. Crash zone sensor
4. Driver knee air bag module
5. Driver air bag module
6. Rear RH seat belt pre-tensioner (LH similar)
7. Rear RH side air bag satellite sensor (LH similar)
8. Air bag diagnosis sensor unit
9. Front LH door satellite sensor (RH similar)
10. Front LH seat belt buckle switch (RH similar)
11. Front LH side air bag module (RH similar)
12. Front LH seat belt pre-tensioner (RH similar)
13. LH side curtain air bag module (RH similar) (view with headliner and A-pillar trim removed)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016-2019 Model Years)

FRONT AIR BAG MODULE LOCATIONS



WARNING:

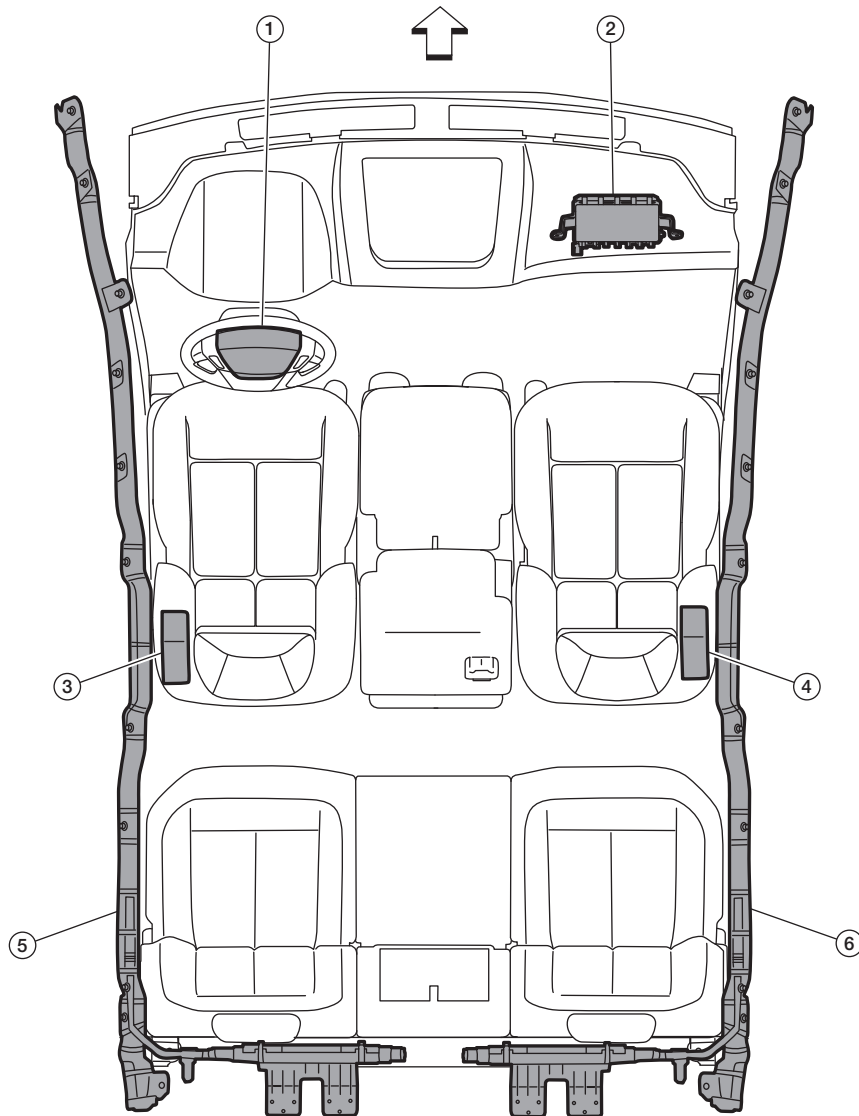
Modifications must not interfere with air bag modules or deployment zones. Damage to air bag modules may cause serious personal injury or death. Objects placed within air bag deployment zones may cause serious personal injury or death.

NOTE:

Do not add accessory items that, when installed, will interfere with the installed position of the air bag or the zones of the deploying air bags.

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Overhead View



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↖: Front of vehicle.

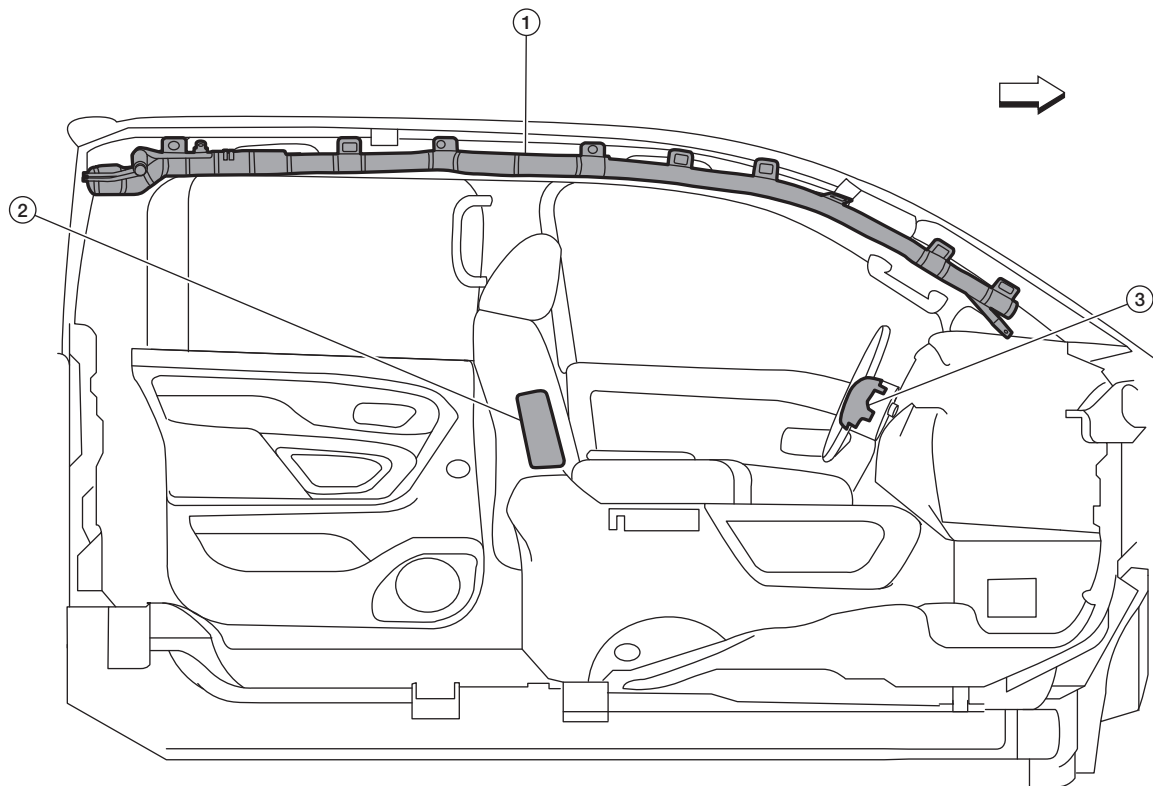
1. Driver air bag module
4. Side air bag module,
passenger

2. Passenger air bag module
5. Side curtain air bag module,
driver

3. Side air bag module, driver
6. Side curtain air bag module,
passenger

FRONT AIR BAG DEPLOYMENT ZONES – CREW CAB (2016-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules – Driver Side



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↔: Front of vehicle.

1. Side curtain air bag module

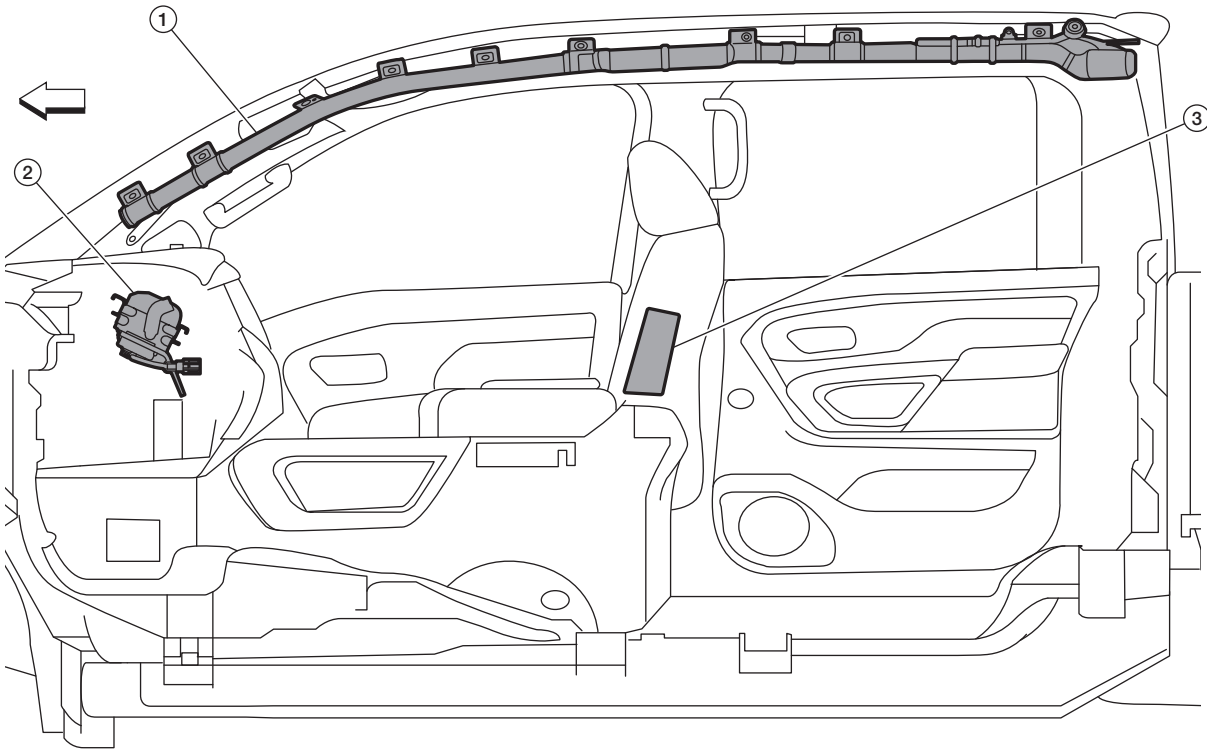
2. Side air bag module

3. Driver air bag module

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016-2019 Model Years)

[SAFETY INFORMATION]

Front Air Bag Modules — Passenger Side



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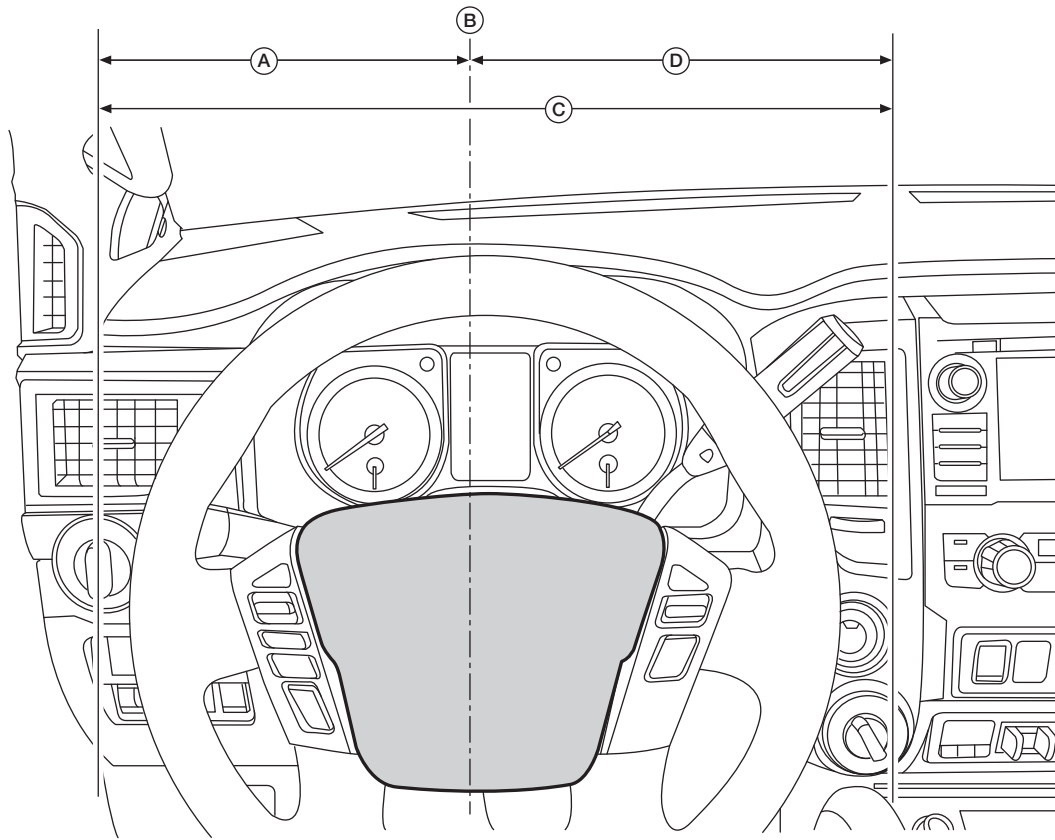
↔: Front of vehicle.

1. Side curtain air bag module

2. Passenger air bag module

3. Side air bag module

Driver Air Bag Deployment Width



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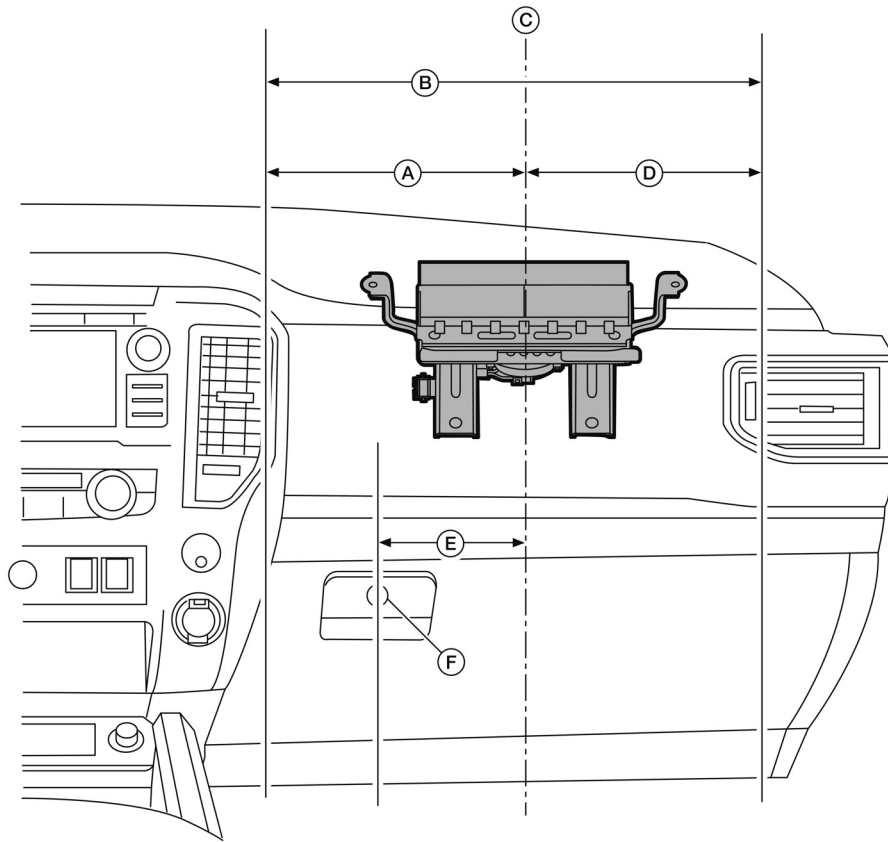
A. 245.5 mm (9.67 in)

B. Center of the driver air bag module housing

C. Maximum lateral projection of the deployed driver air bag
491 mm (19.33 in)

D. 245.5 mm (9.67 in)

Front Passenger Air Bag Deployment Width



TGAAZIA0050ZZ

A. 233.5 mm (9.19 in)

B. Maximum lateral projection
of the deployed passenger air
bag 467 mm (18.39 in)

C. Center of passenger air bag
module housing

D. 233.5 mm (9.19 in)


E. 130.84 mm (5.15 in)

F. Reference point: glove box
key hole

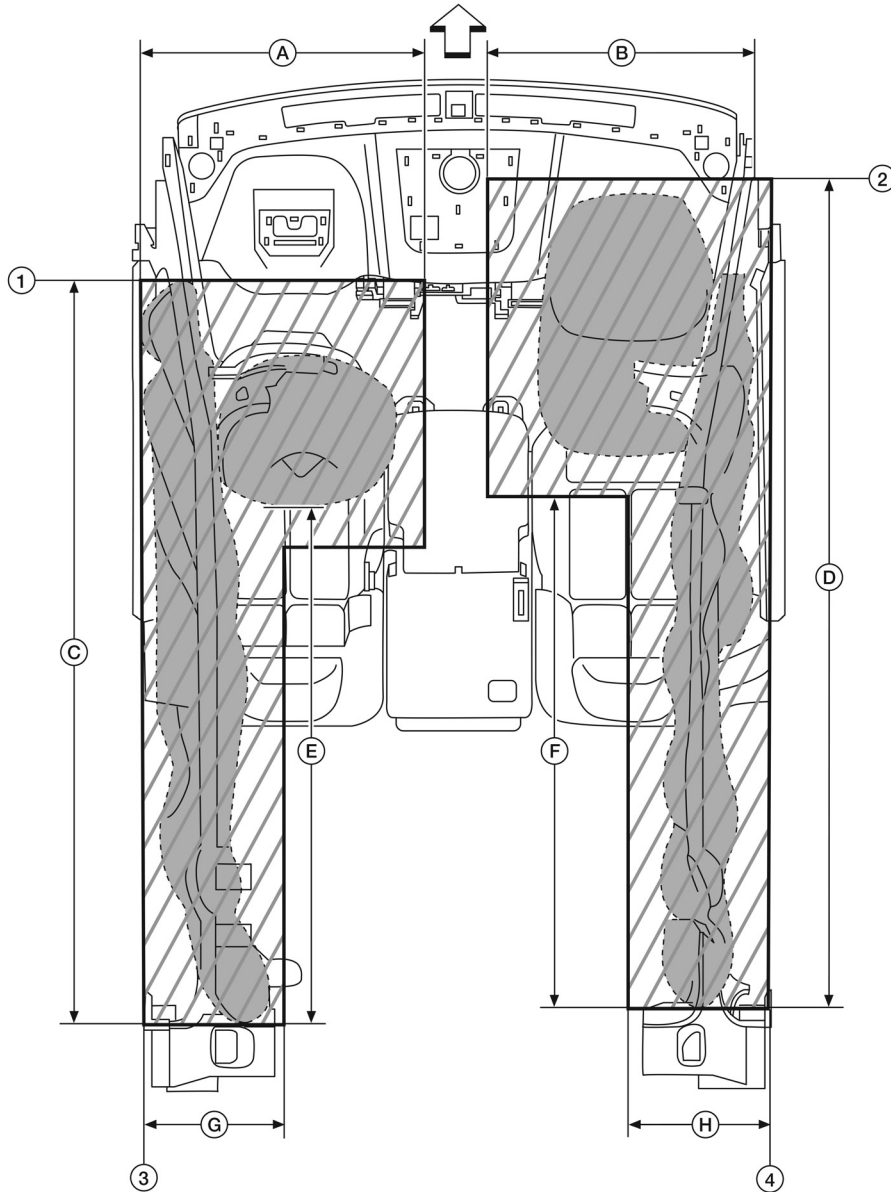
FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

AIR BAG DEPLOYMENT KEEP-OUT ZONES

Front Air Bag Keep-Out Zones — Overhead View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



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: Front of vehicle.

1. Reference point: instrument panel edge

4. Reference point: door glass trim edge

C. 1,885.84 mm (74.25 in)

F. 1,190.77 mm (46.88 in)

2. Reference point: instrument panel seam

A. 694.35 mm (27.34 in)

D. 2,228.62 mm (87.74 in)

G. 349.82 mm (13.77 in)

3. Reference point: door glass trim edge

B. 665.53 mm (26.2 in)

E. 1,148.61 mm (45.22 in)

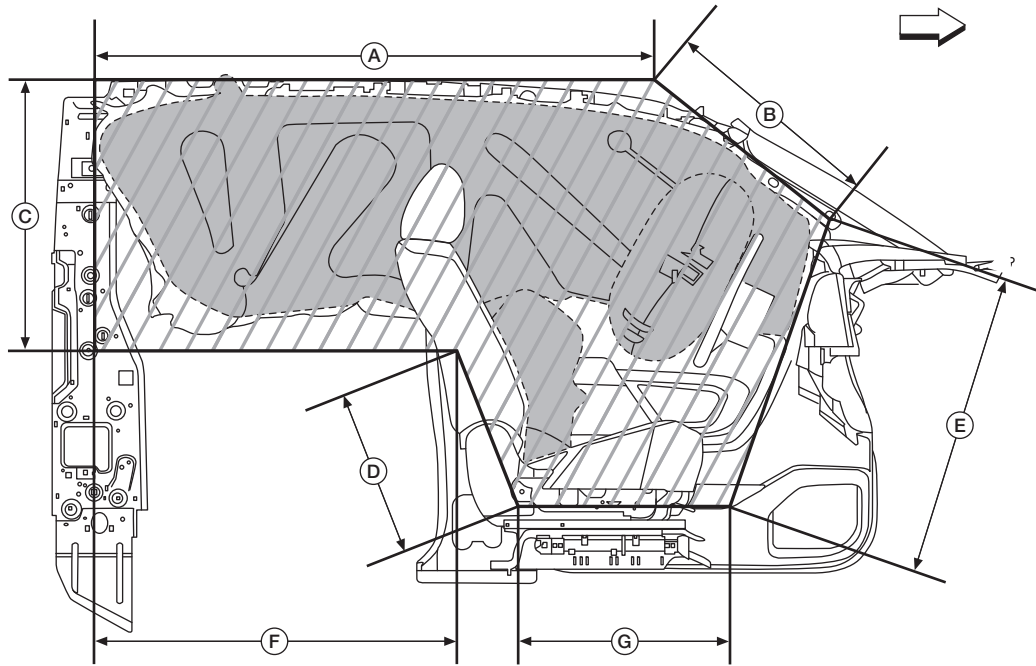
H. 351.19 mm (13.83 in)

FRONT AIR BAG DEPLOYMENT ZONES – CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone – Driver Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0604ZZ

: Front of vehicle.

A. 1,486.75 mm (58.53 in)

B. 513.47 mm (20.22 in)

C. 679.53 mm (26.75 in)

D. 404.38 mm (15.92 in)


E. 799.57 mm (31.48 in)


F. 969.23 mm (38.16 in)

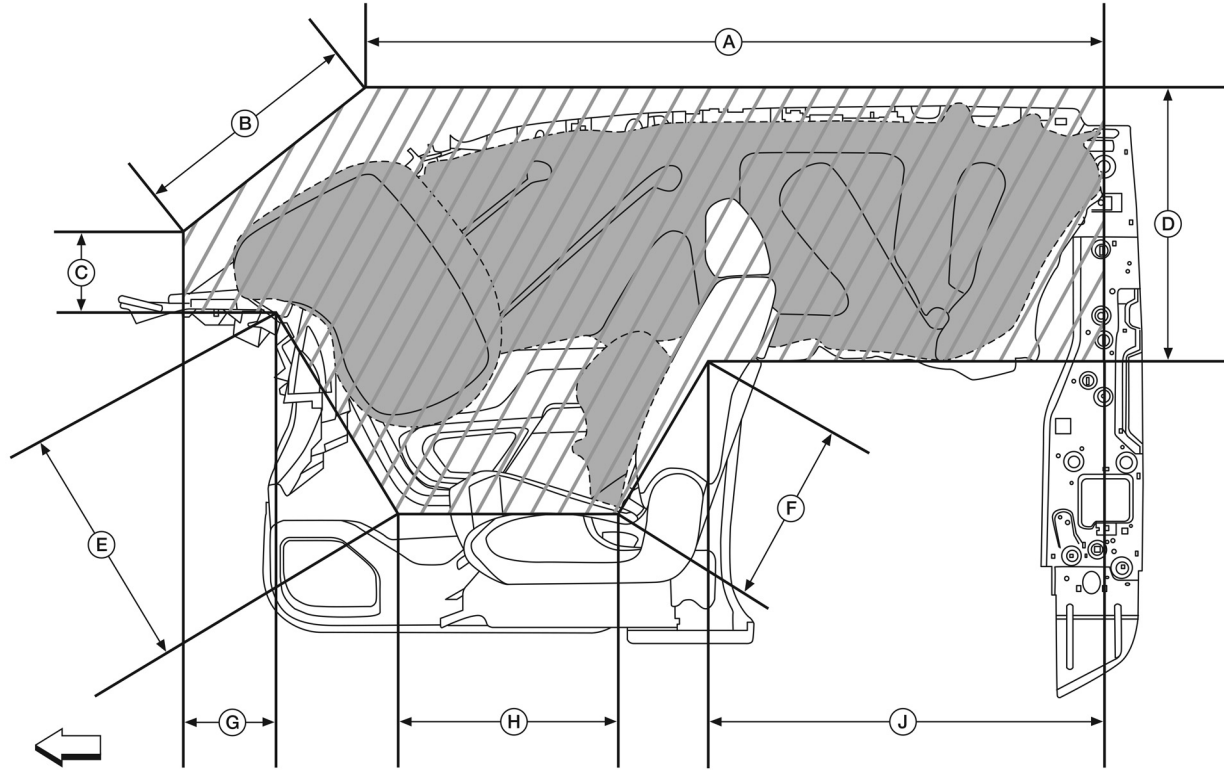
G. 444.72 mm (17.51 in)

FRONT AIR BAG DEPLOYMENT ZONES – CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone – Passenger Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0603ZZ

: Front of vehicle.

A. 1,677.59 mm (66.05 in)

B. 747.5 mm (29.43 in)

C. 178.55 mm (7.03 in)

D. 679.53 mm (26.75 in)

E. 534.08 mm (21.03 in)

F. 404.38 mm (15.92 in)

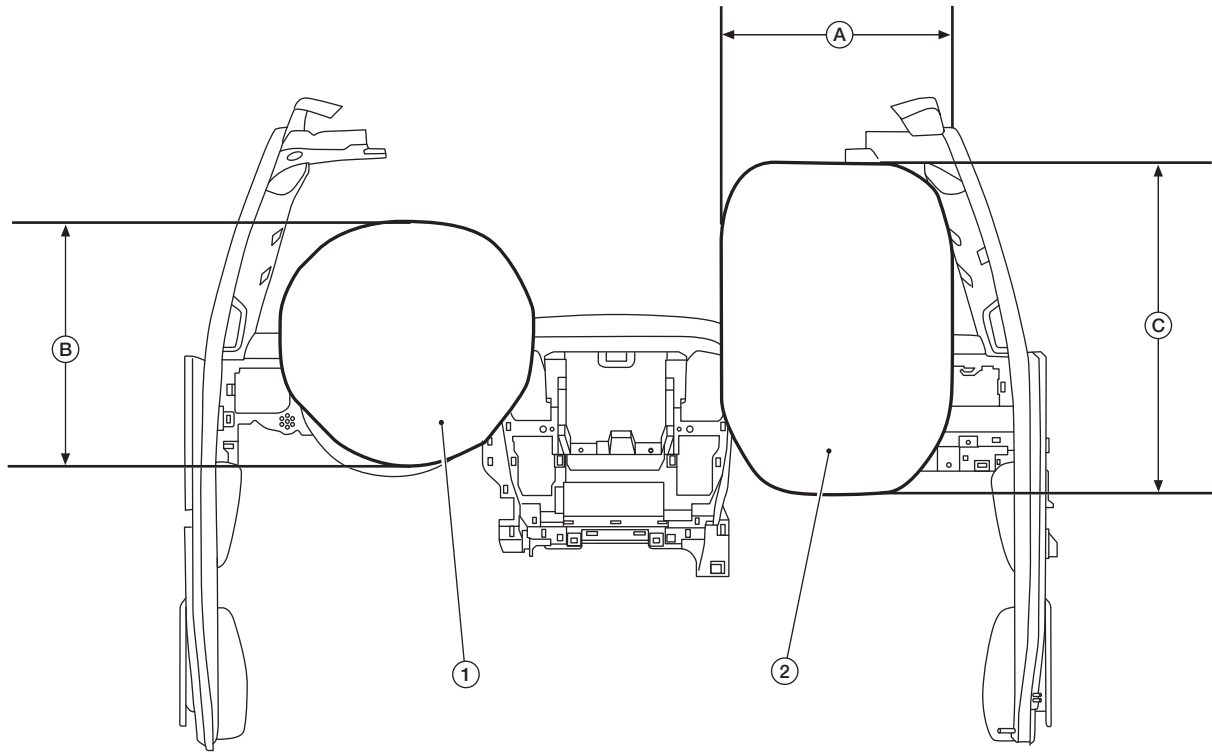
G. 250.39 mm (9.86 in)

H. 645 mm (25.39 in)

J. 889.78 mm (35.03 in)

INFLATED AIR BAG ZONE DIMENSIONS

Driver and Passenger Air Bag Inflation Zones — Forward View



AAZIA0551ZZ

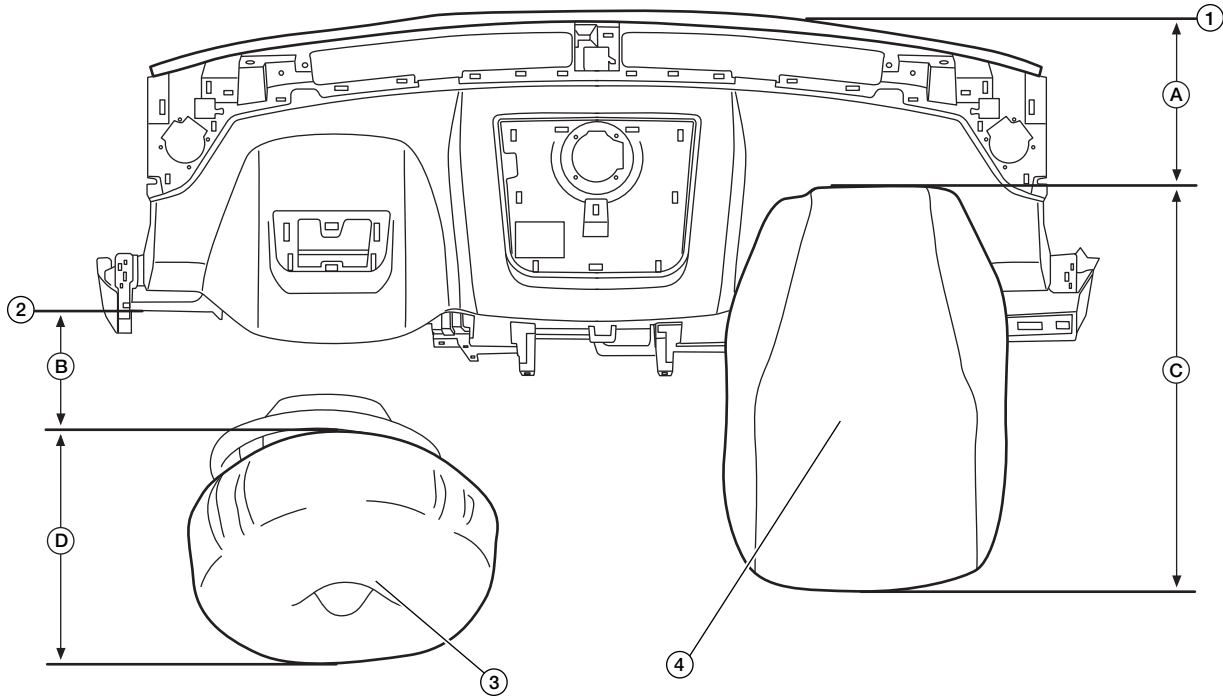
1. Maximum inflated driver air bag
B. 491 mm (19.33 in)

2. Maximum inflated front passenger air bag
C. 746 mm (29.37 in)

A. 440 mm (17.32 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Overhead View



AAZIA0553ZZ

1. Reference point: mating point of windshield and instrument panel at center line of front passenger air bag

2. Reference point: front edge of instrument panel at centerline of driver air bag module

3. Maximum inflated driver air bag

4. Maximum inflated front passenger air bag

A. 257 mm (10.12 in)

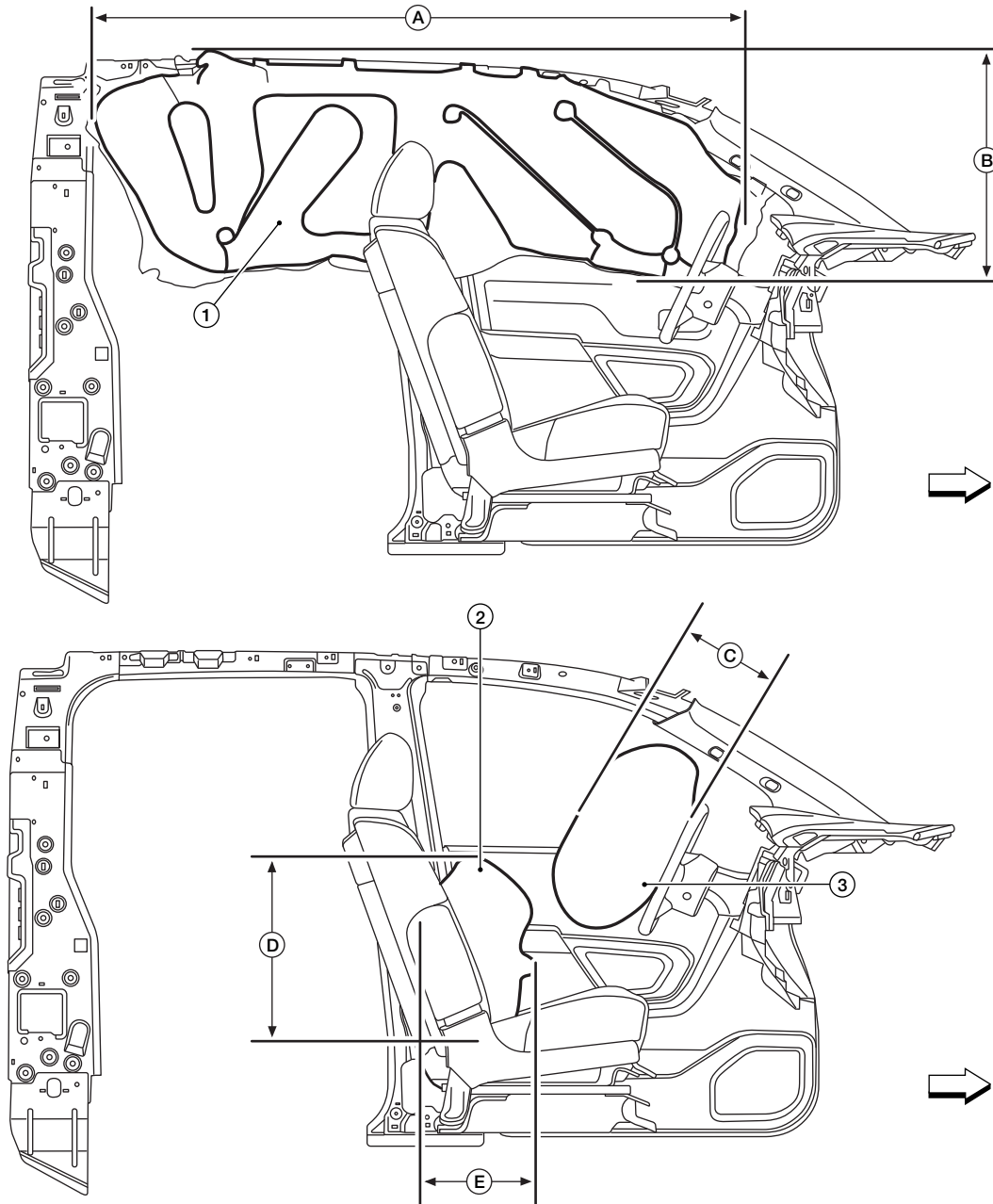
B. 198 mm (7.8 in)

C. 737 mm (29.01 in)

D. 382 mm (15.04 in)

FRONT AIR BAG DEPLOYMENT ZONES – CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones – Driver Side View



AAZIA0606ZZ

←: Front of vehicle.

1. Maximum inflated side side curtain air bag

A. 1,902 mm (74.88 in)

D. 509 mm (20.04 in)

2. Maximum inflated side air bag

B. 633 mm (24.92 in)

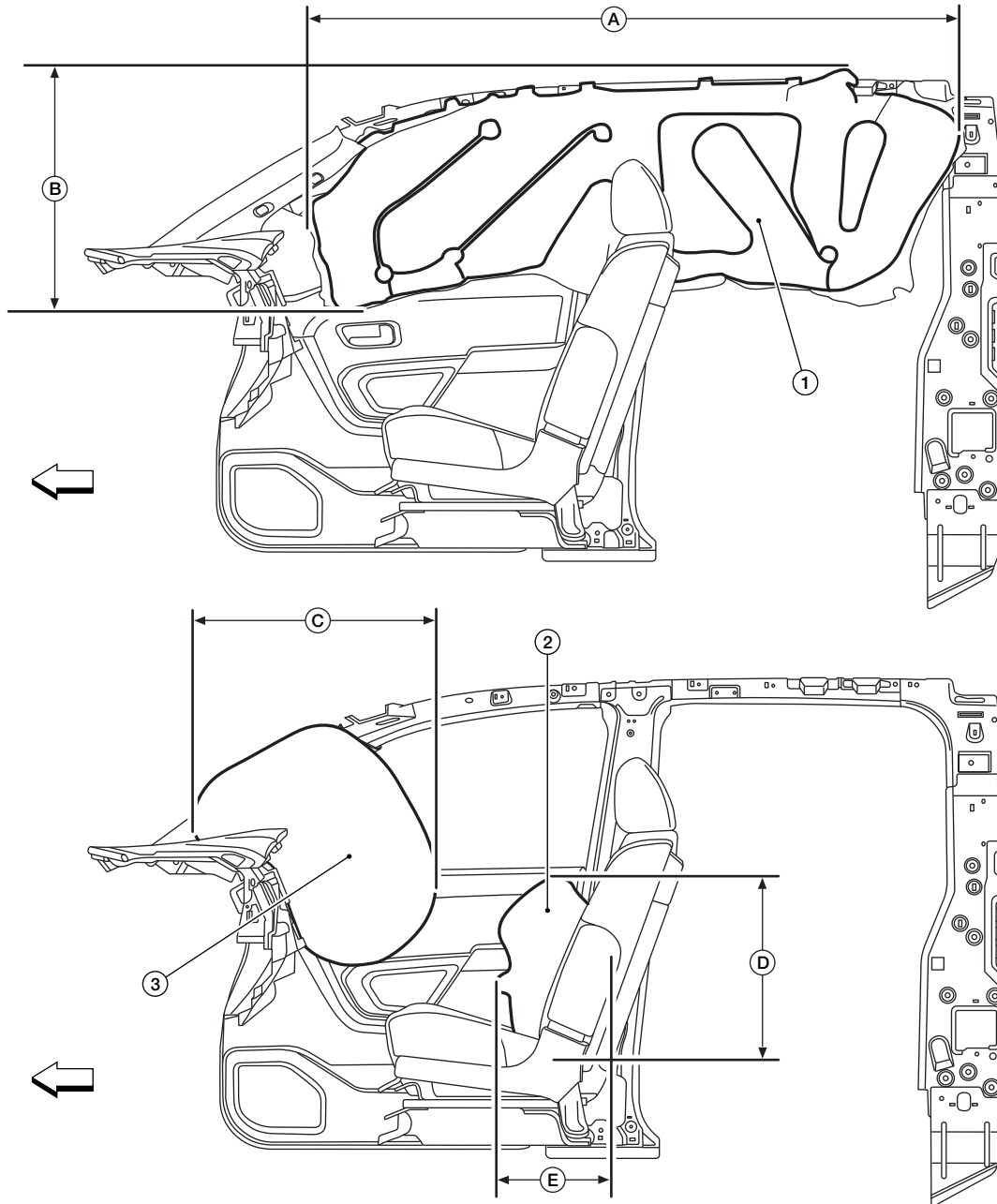
E. 321 mm (12.64 in)

3. Maximum inflated driver air bag

C. 255 mm (10.04 in)

FRONT AIR BAG DEPLOYMENT ZONES – CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones – Passenger Side View



AAZIA0607ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

A. 1,902 mm (74.88 in)

D. 509 mm (20.04 in)

2. Maximum inflated passenger air bag

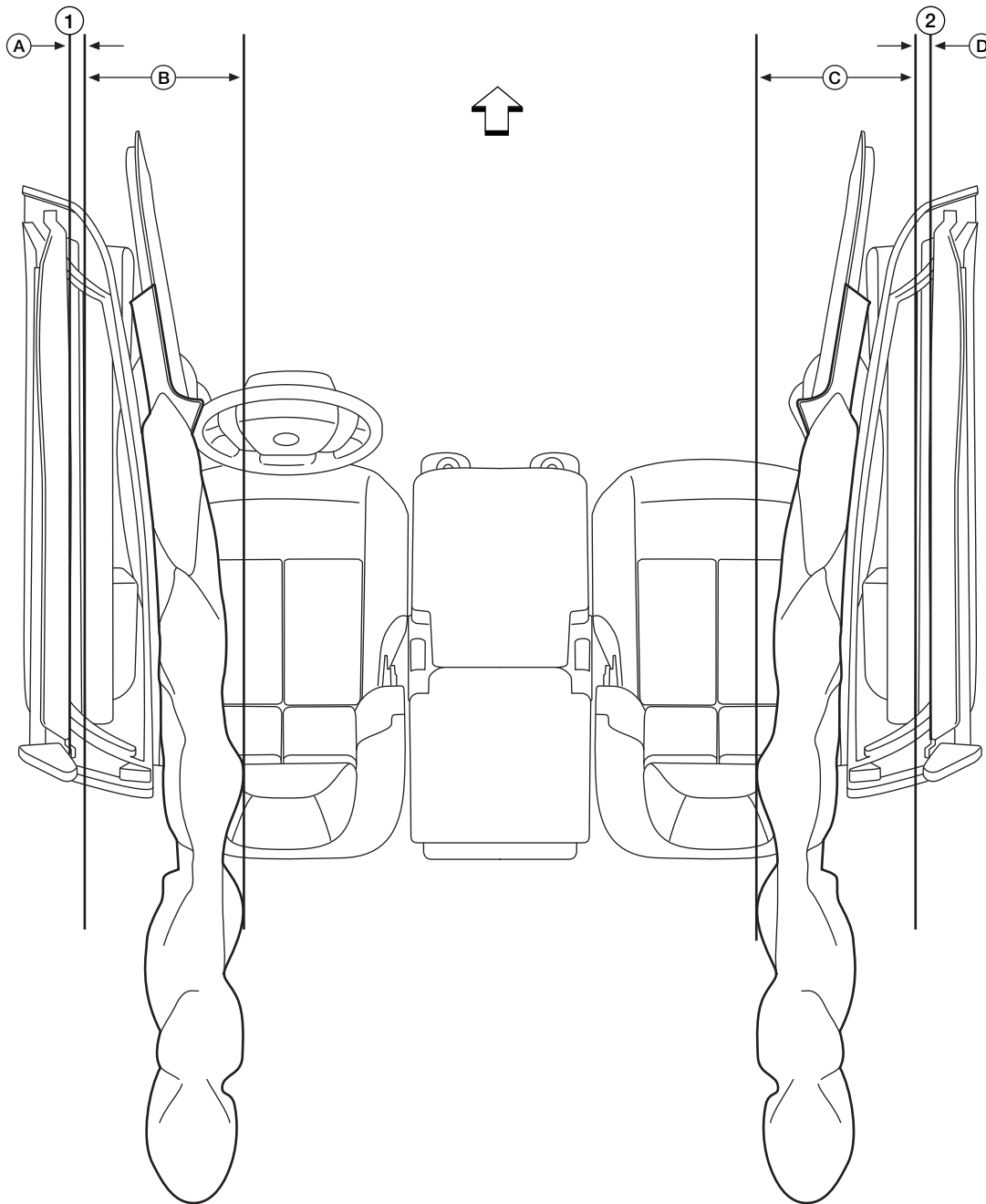
B. 701 mm (27.6 in)

E. 315 mm (12.4 in)

3. Maximum inflated side air bag

C. 737 mm (29.01 in)

Side Curtain Air Bag Inflation Zones – Overhead View



AAZIA0554ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 311 mm (12.24 in)

2. Reference point: door glass trim edge

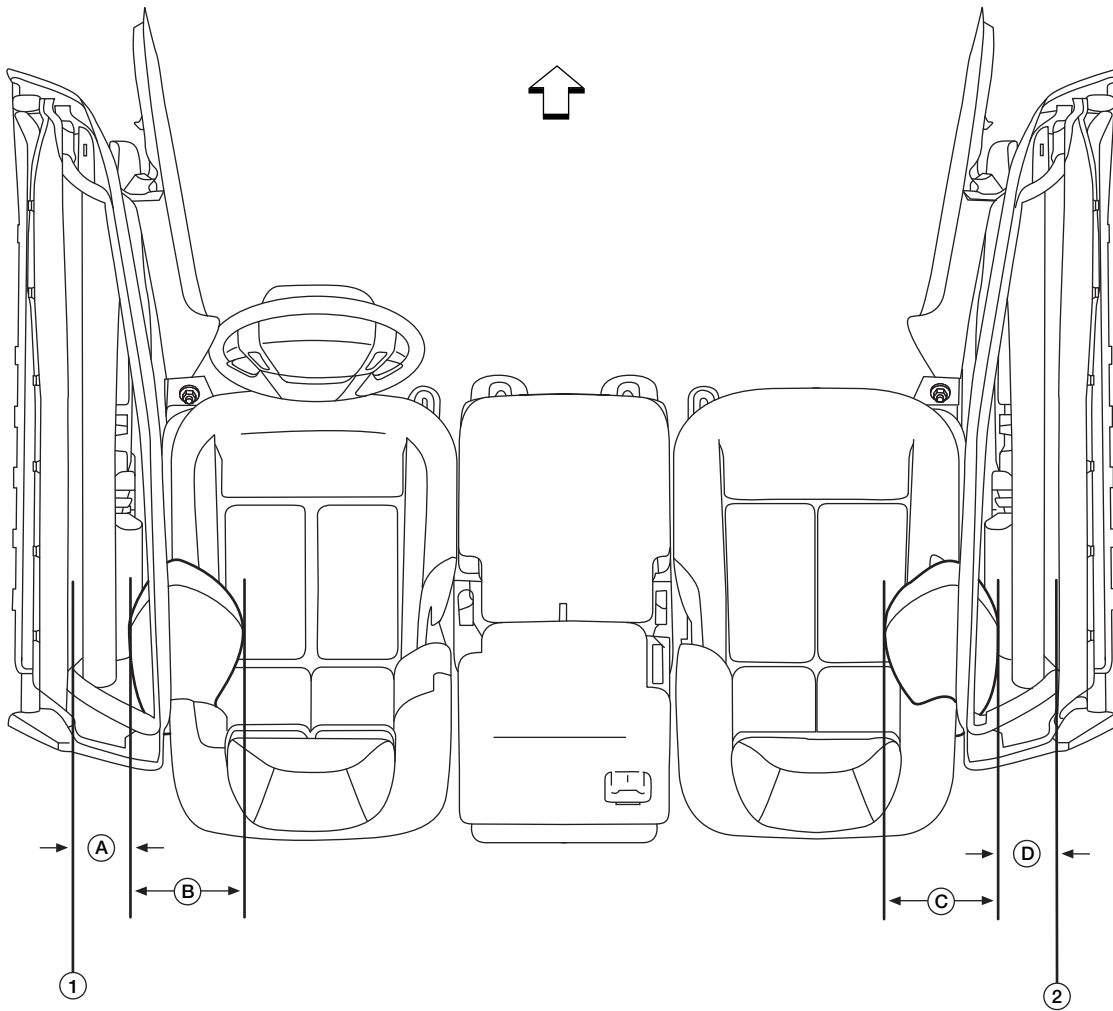
C. 250 mm (9.84 in)

A. 43 mm (1.69 in)

D. 103 mm (4.06 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2016–2019 Model Years)
[SAFETY INFORMATION]

Side Air Bag Inflation Zones — Overhead View



AAZIA0552ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 206 mm (8.11 in)

2. Reference point: door glass trim edge

C. 206 mm (8.11 in)

A. 107 mm (4.21 in)

D. 107 mm (4.21 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)

FRONT AIR BAG MODULE LOCATIONS



WARNING:

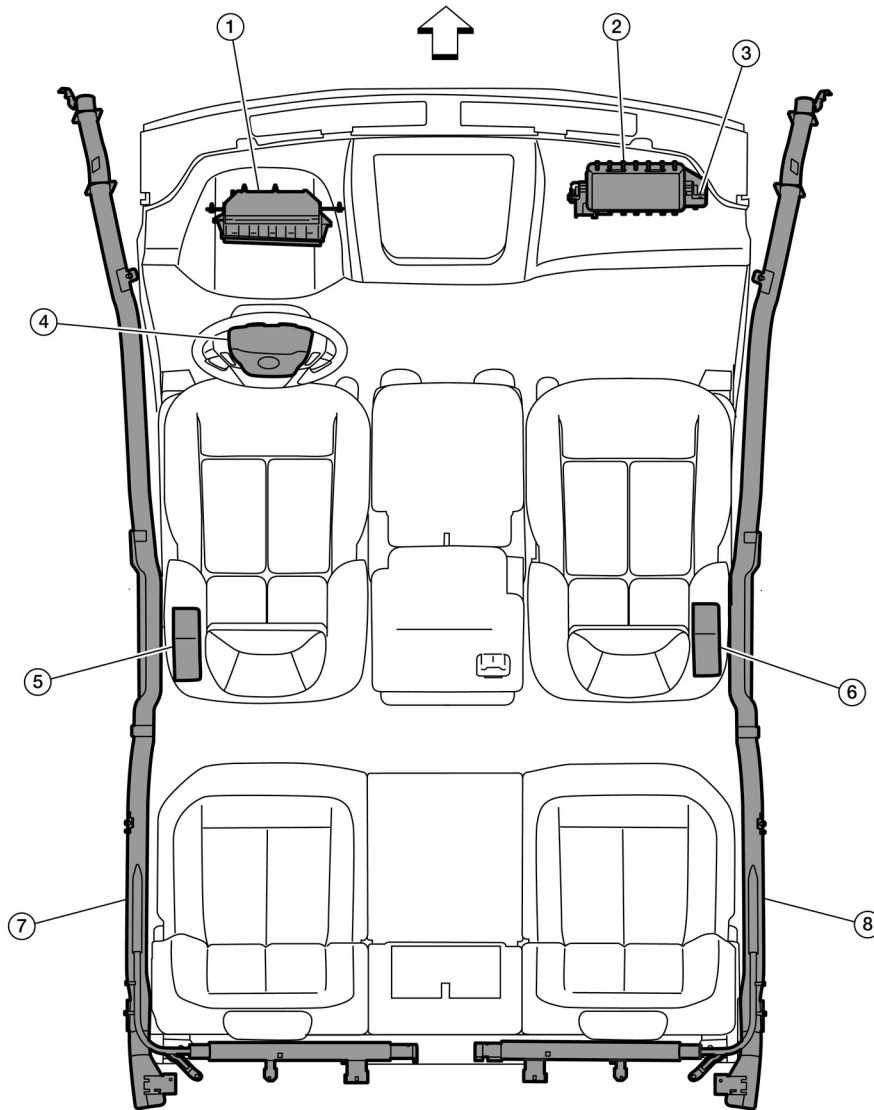
Modifications must not interfere with air bag modules or deployment zones. Damage to air bag modules may cause serious personal injury or death. Objects placed within air bag deployment zones may cause serious personal injury or death.

NOTE:

Do not add accessory items that, when installed, will interfere with the installed position of the air bag or the zones of the deploying air bags.

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Overhead View



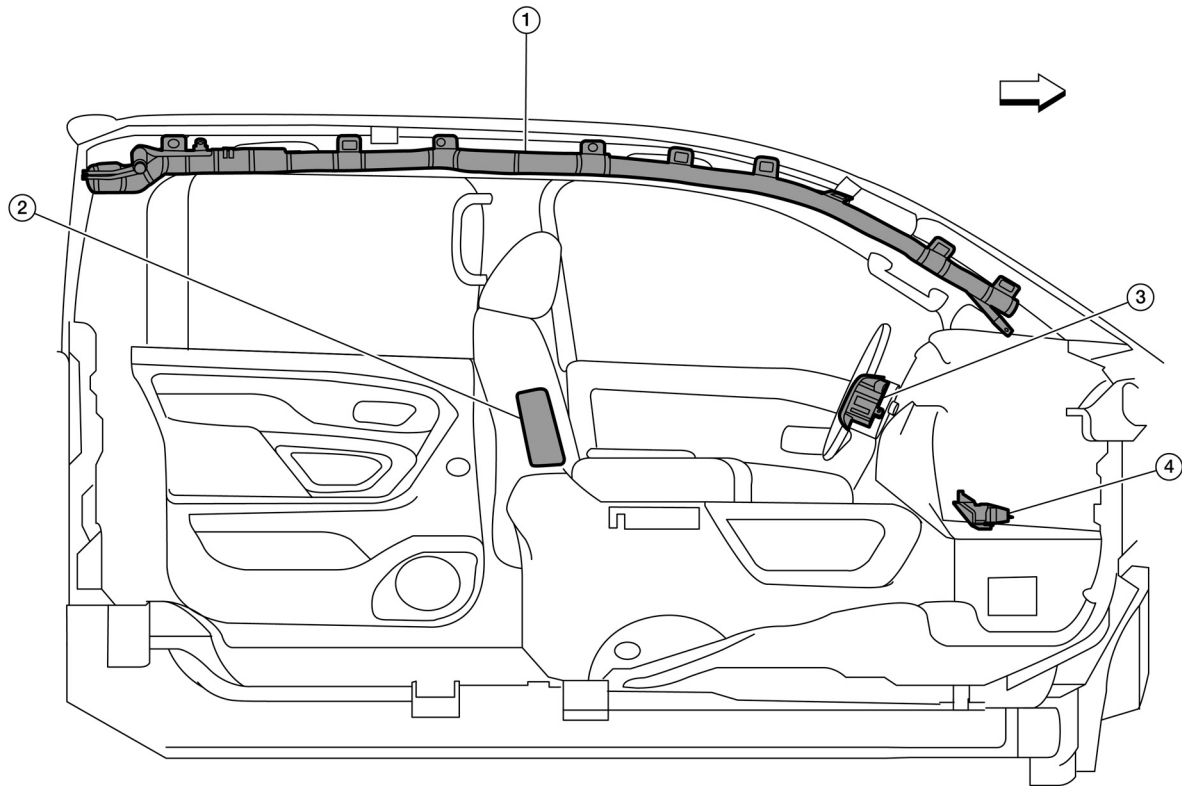
TGAAZIA0115ZZ

↔: Front of vehicle.

- | | | |
|--|---|-----------------------------------|
| 1. Driver knee air bag module | 2. Passenger air bag module | 3. Passenger knee air bag module |
| 4. Driver air bag module | 5. Side air bag module, driver | 6. Side air bag module, passenger |
| 7. Side curtain air bag module, driver | 8. Side curtain air bag module, passenger | |

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Driver Side



TGAAZIA0117ZZ

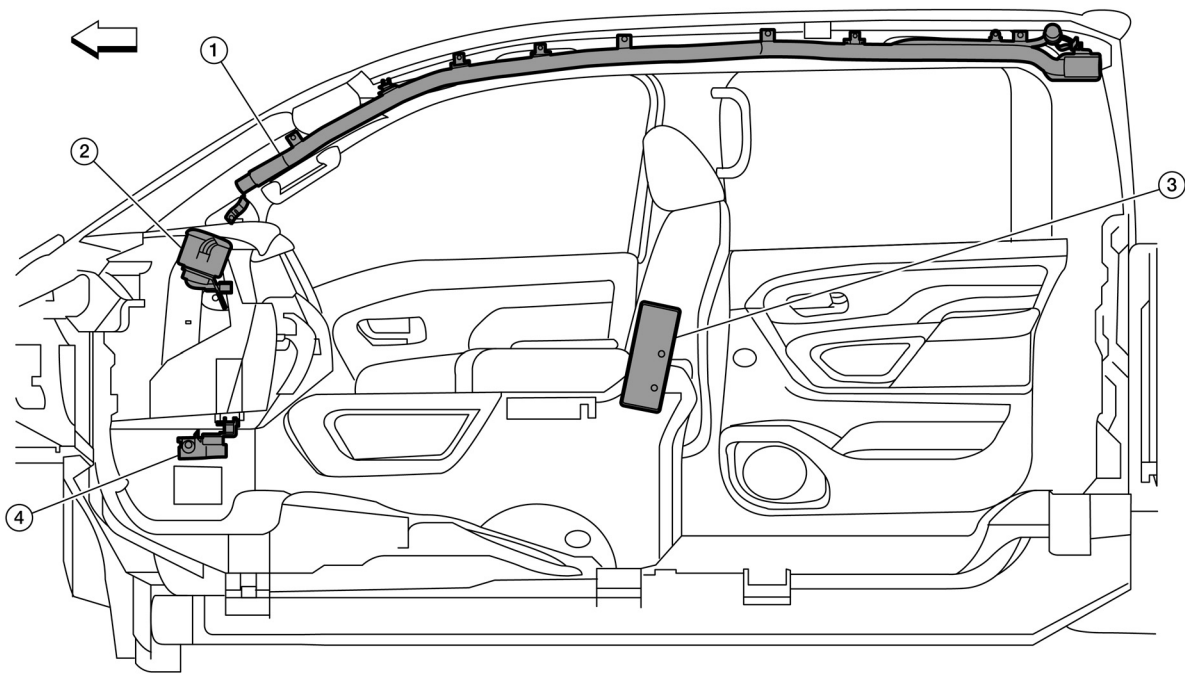
↔: Front of vehicle.

- 1. Side curtain air bag module
- 2. Side air bag module
- 3. Driver air bag module
- 4. Driver knee air bag module

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)

[SAFETY INFORMATION]

Front Air Bag Modules — Passenger Side

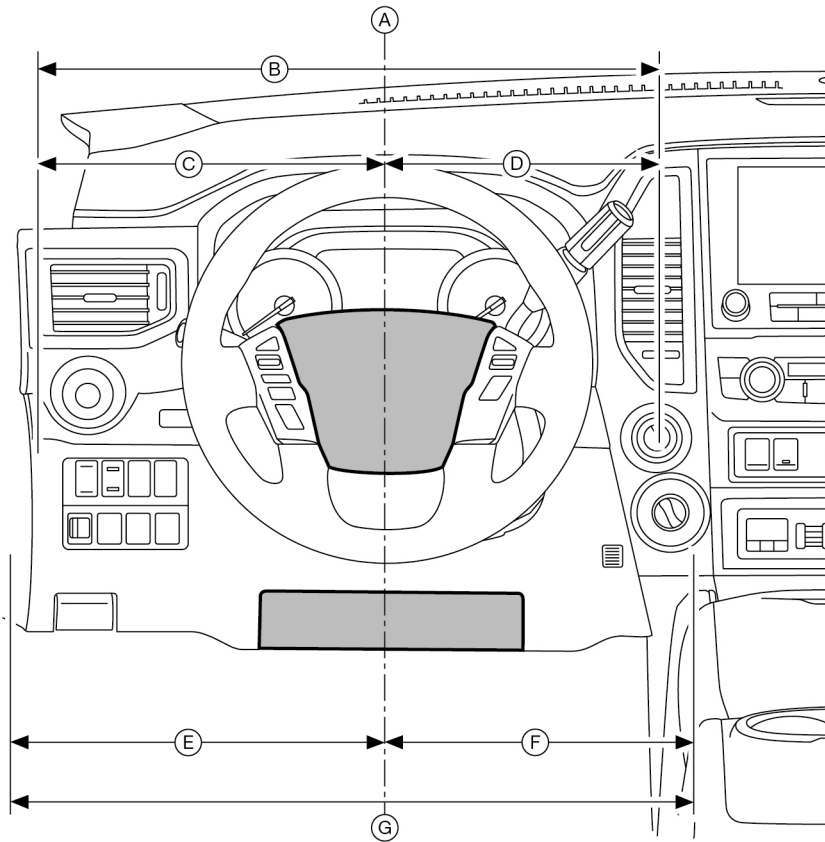


TGAAZIA0118ZZ

↖: Front of vehicle.

- 1. Side curtain air bag module
- 2. Passenger air bag module
- 3. Side air bag module
- 4. Passenger knee air bag module

Driver Air Bag Deployment Width



TGAAZIA0113ZZ

A. Center of the driver air bag module housing

B. Maximum lateral projection of the deployed driver air bag
 603.61 mm (23.76 in)

C. 305.22 mm (12.02 in)

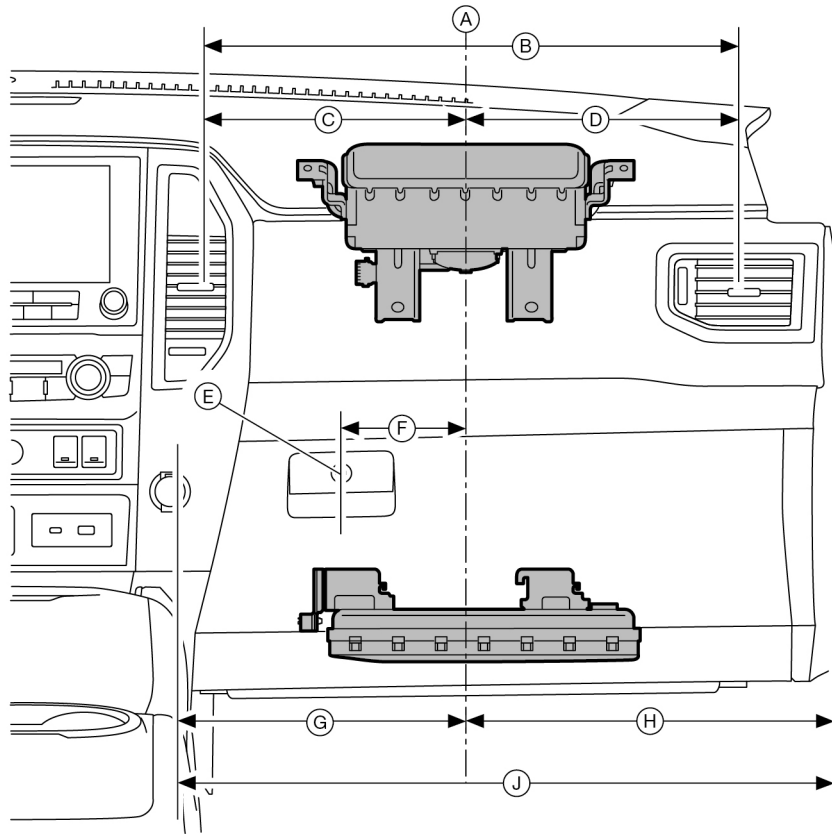
D. 298.40 mm (11.75 in)

E. 352.51 mm (13.88 in)

F. 303.14 mm (11.93 in)

G. Maximum lateral projection of the deployed driver knee air bag
 655.65 mm (25.81 in)

Front Passenger Air Bag Deployment Width



TGAAZIA0114ZZ

- | | | |
|---|--|---|
| A. Center of passenger air bag module housing | B. Maximum lateral projection of the deployed passenger air bag 524.00 mm (20.63 in) | C. 255.11 mm (10.04 in) |
| D. 268.89 mm (10.59 in) | E. Reference point: glove box key hole | F. 130.86 mm (5.15 in) |
| G. 157.75 mm (6.21 in) | H. 505.45 mm (19.90 in) | J. Maximum lateral projection of the deployed passenger knee air bag 667.00 mm (26.26 in) |

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)

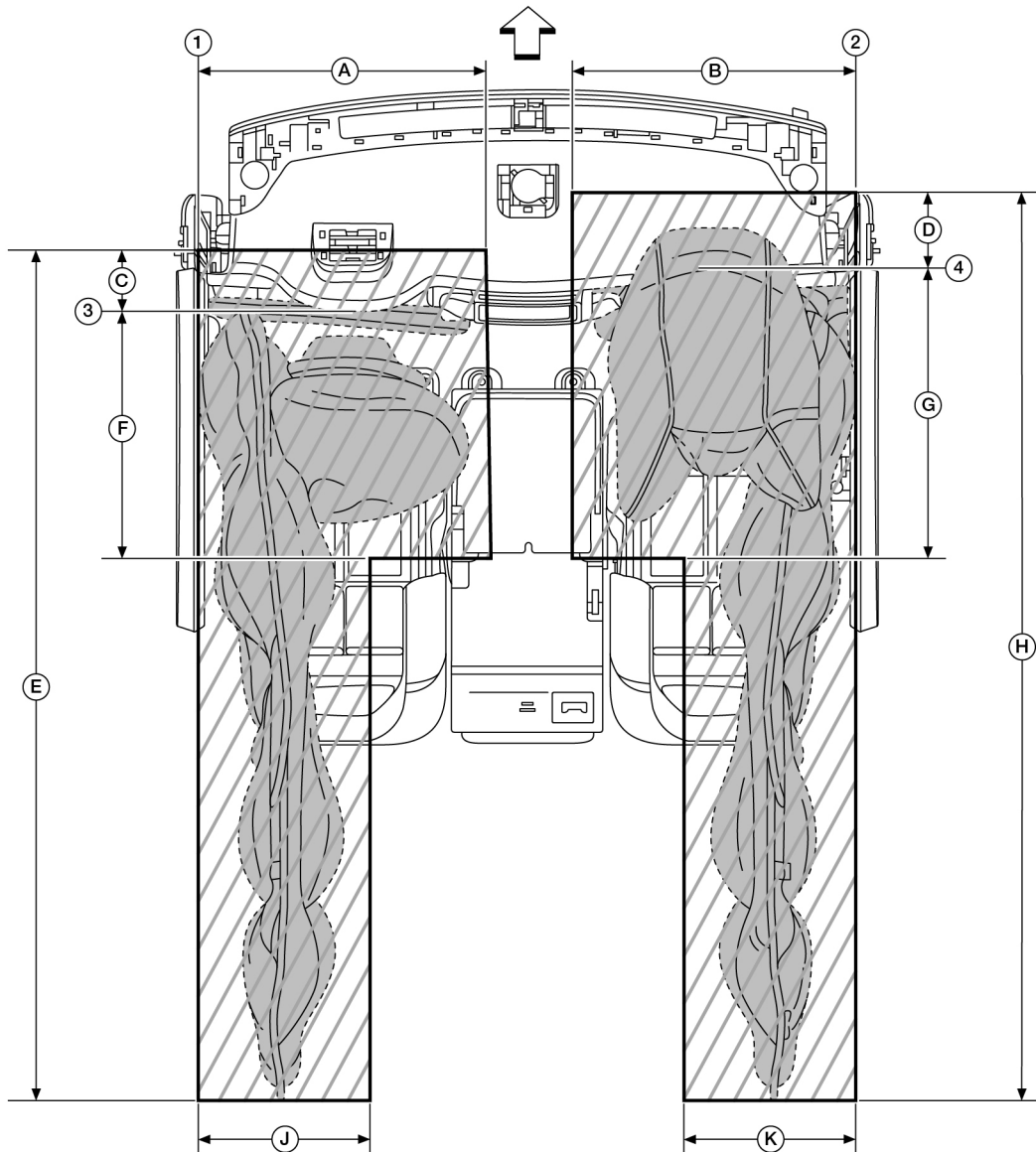
[SAFETY INFORMATION]

AIR BAG DEPLOYMENT KEEP-OUT ZONES

Front Air Bag Keep-Out Zones — Overhead View

= Air Bag Deployment Keep-out Zone (No modifications in this area)

= Air Bag Inflation Zone



TGAAZIA0086ZZ

: Front of vehicle.

1. Reference point: door glass trim edge

2. Reference point: door glass trim edge

3. Reference point: instrument panel edge (instrument cluster shroud)

4. Reference point: SRS label

C. 5700 mm (2.24 in)

A. 793.30 mm (31.23 in)

B. 735.44 mm (28.95 in)

F. 688.07 mm (27.09 in)

D. 142.31 mm (5.60 in)

E. 1,993.66 mm (78.49 in)

J. 452.16 mm (17.80 in)


G. 852.89 mm (33.58 in)

H. 2,209.27 mm (86.98 in)

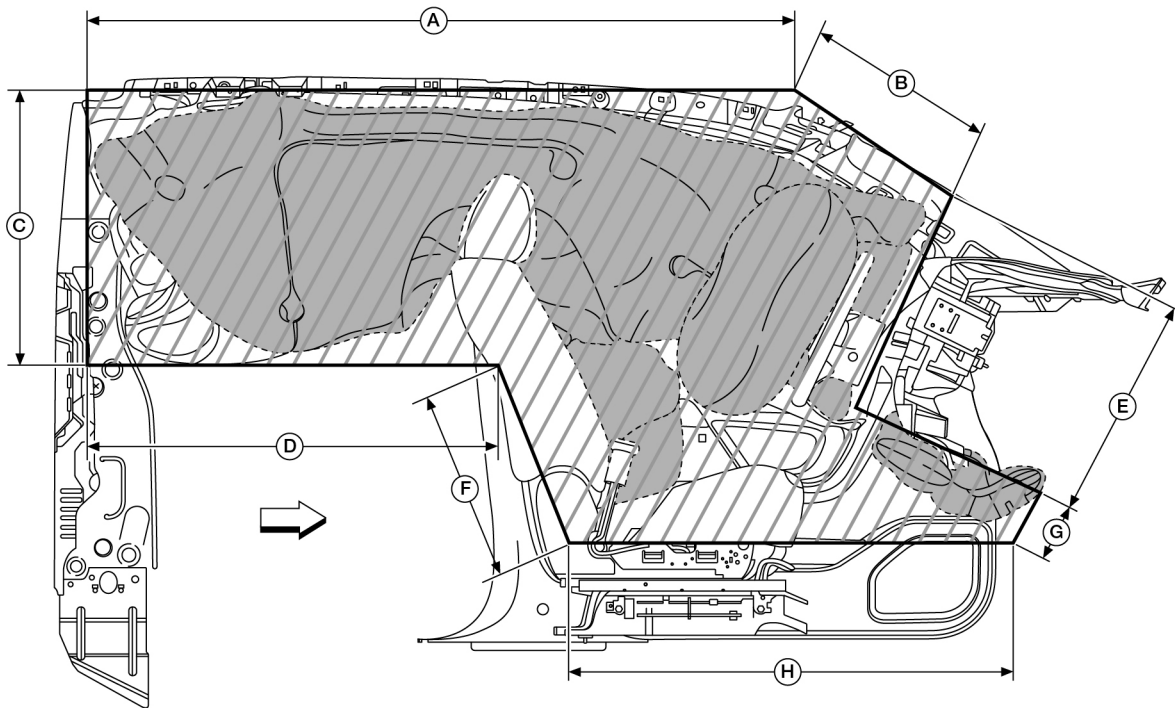
K. 452.16 mm (17.80 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone — Driver Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



TGAAZIA0087ZZ

: Front of vehicle.

A. 1,448.00 mm (57.01 in)

B. 598.58 mm (23.57 in)

C. 630.00 mm (24.80 in)

D. 899.96 mm (35.43 in)

E. 505.89 mm (19.92 in)


F. 461.59 mm (18.17 in)

G. 146.54 mm (5.77 in)

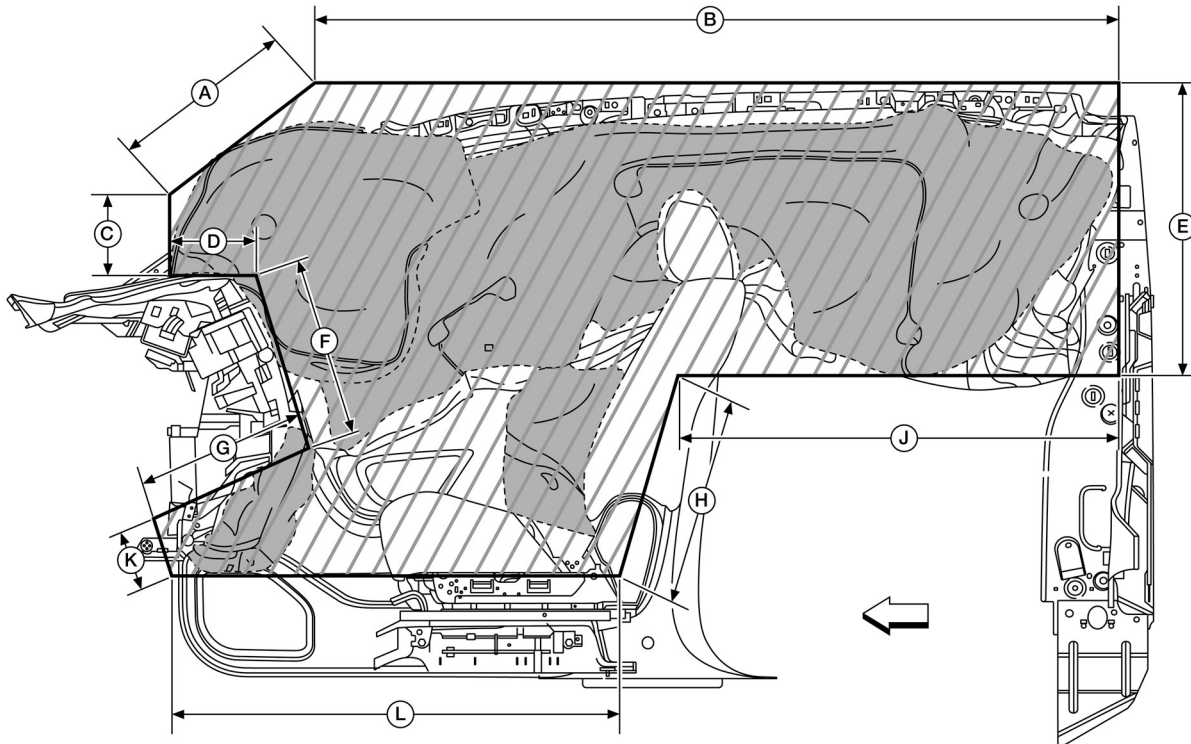
H. 1,078.48 mm (42.46 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]


Front Air Bag Keep-Out Zone — Passenger Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



TGAAZIA0088ZZ

: Front of vehicle.

- A. 354.78 mm (13.97 in)
- D. 237.06 mm (9.33 in)
- G. 370.22 mm (14.58 in)
- K. 178.68 mm (7.03 in)

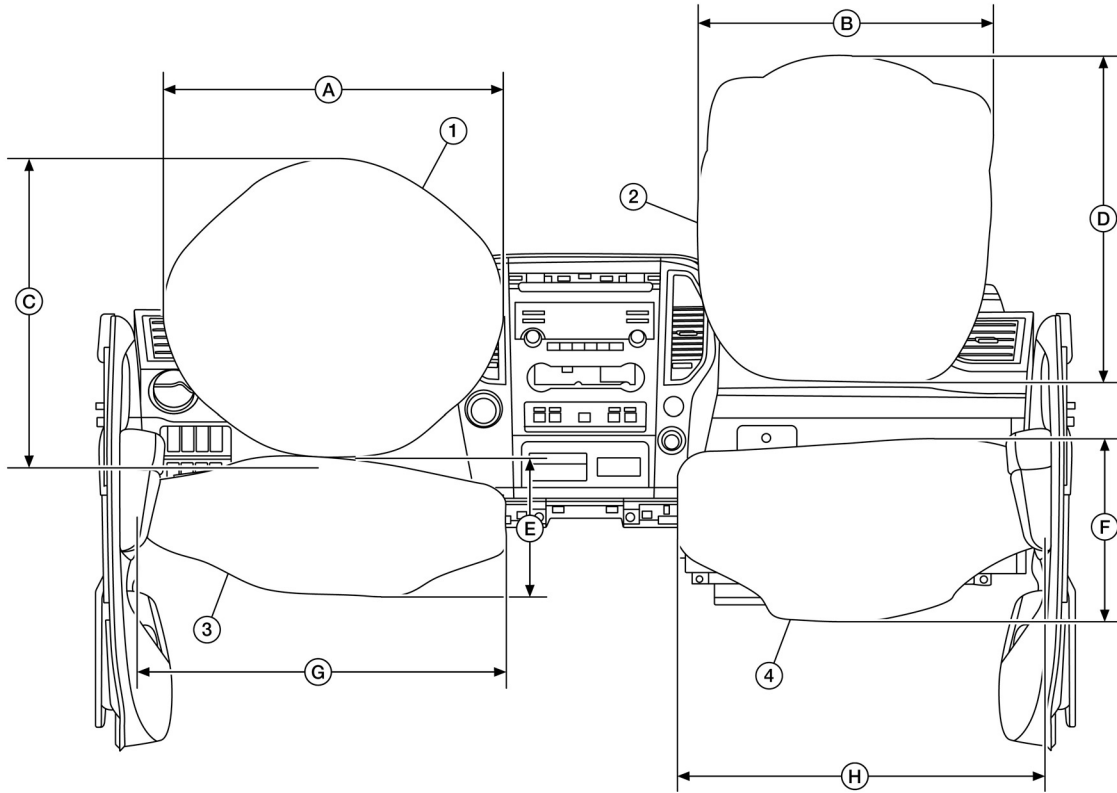
- B. 1,873.15 mm (73.75 in)
- E. 630.00 mm (24.80 in)
- H. 461.59 mm (18.17 in)
- L. 989.61 mm (38.96 in)

- C. 228.05 mm (8.98 in)
- F. 328.11 mm (12.92 in)
- J. 899.96 mm (35.43 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

INFLATED AIR BAG ZONE DIMENSIONS

Driver and Passenger Air Bag Inflation Zones — Forward View



TGAAZIA0089ZZ

1. Maximum inflated driver air bag

4. Maximum inflated front passenger knee air bag

C. 533.19 mm (20.99 in)

F. 327.39 mm (12.89 in)

2. Maximum inflated front passenger air bag

A. 603.61 mm (23.76 in)

D. 578.85 mm (22.79 in)

G. 655.65 mm (25.81 in)

3. Maximum inflated front driver knee air bag

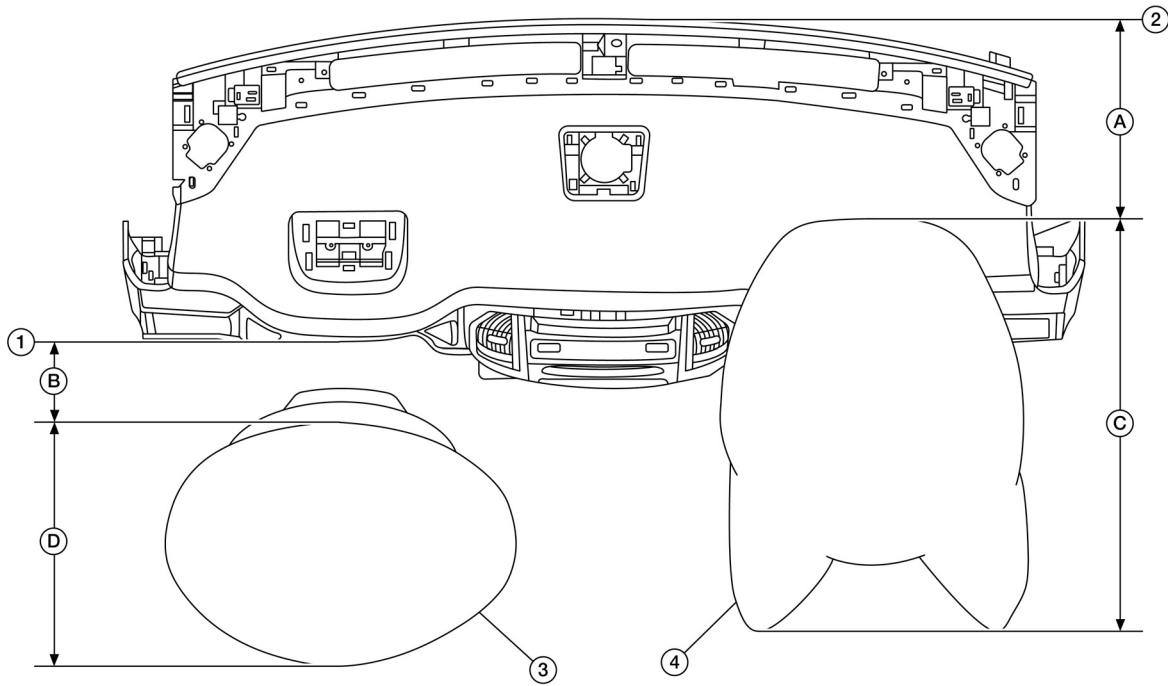
B. 527.43 mm (20.76 in)

E. 253.47 mm (9.98 in)

H. 667.00 mm (26.26 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Overhead View



TGAZIA0090ZZ

1. Reference point: front edge of instrument panel at center line of driver air bag module

2. Reference point: mating point of windshield and instrument panel at center line of front passenger air bag

3. Maximum inflated driver air bag

4. Maximum inflated front passenger air bag

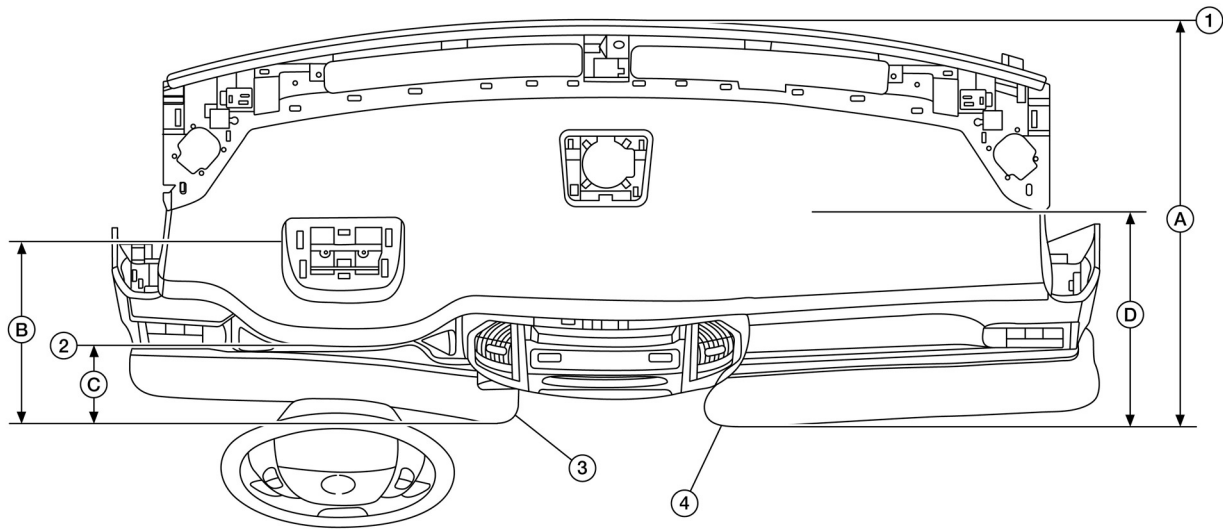
A. 313.02 mm (12.32 in)

B. 157.15 mm (6.19 in)

C. 708.11 mm (27.88 in)

D. 416.92 mm (16.41 in)

Knee Air Bag Inflation Zones — Overhead View

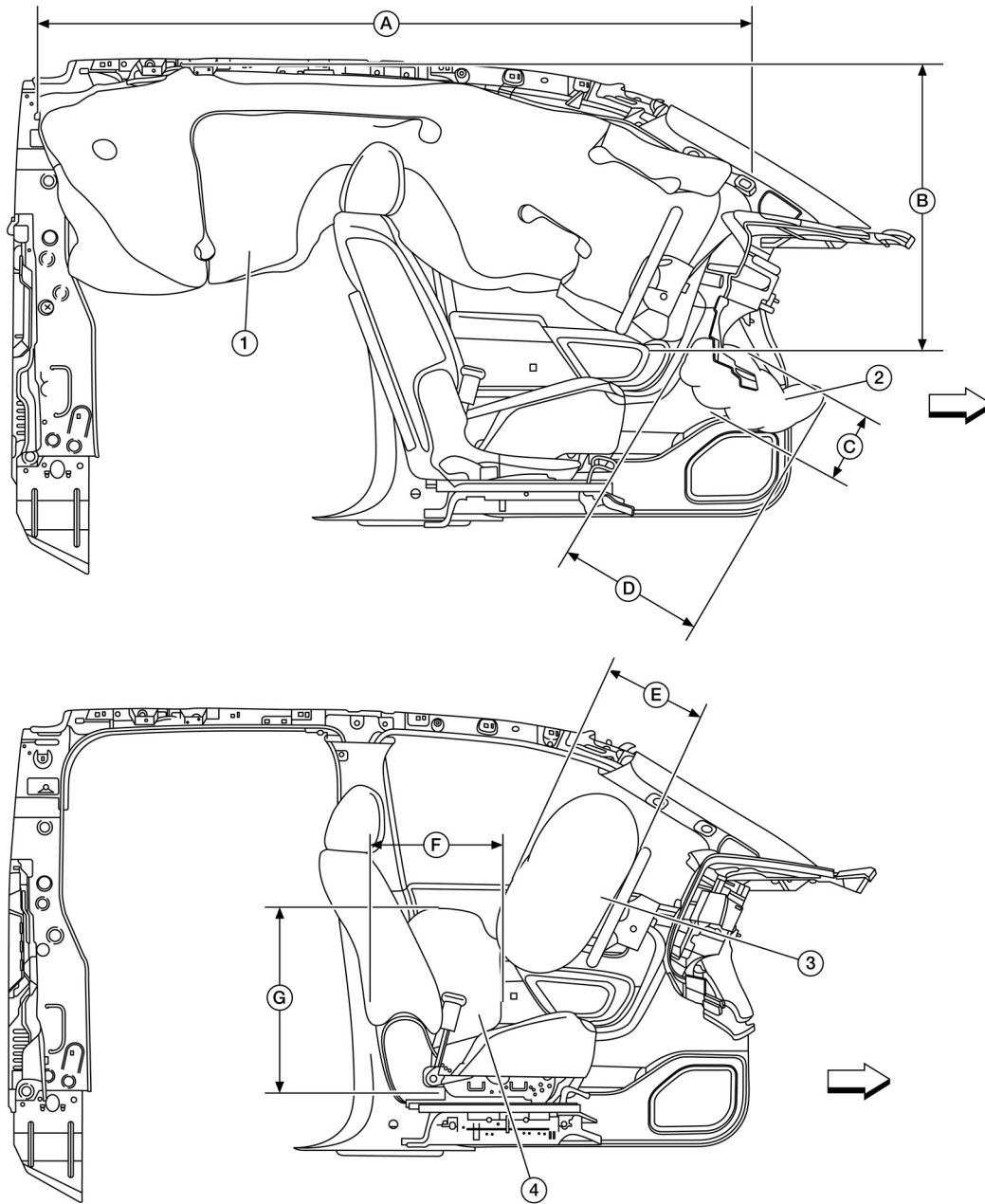


TGAAZIA0091ZZ

- | | | |
|---|--|---|
| 1. Reference point: mating point of windshield and instrument panel at center line of front passenger air bag | 2. Reference point: front edge of instrument panel at center line of driver air bag module | 3. Maximum inflated driver knee air bag |
| 4. Maximum inflated passenger knee air bag | A. 651.47 mm (25.65 in) | B. 409.23 mm (16.11 in) |
| C. 135.02 mm (5.32 in) | D. 387.10 mm (15.24 in) | |

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Driver Side View



TGAAZIA0092ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

4. Maximum inflated side air bag

C. 179.70 mm (7.07 in)

F. 327.85 mm (12.91 in)

2. Maximum inflated driver knee air bag

A. 1,954.79 mm (76.96 in)

D. 394.04 mm (15.51 in)

G. 482.40 mm (18.99 in)

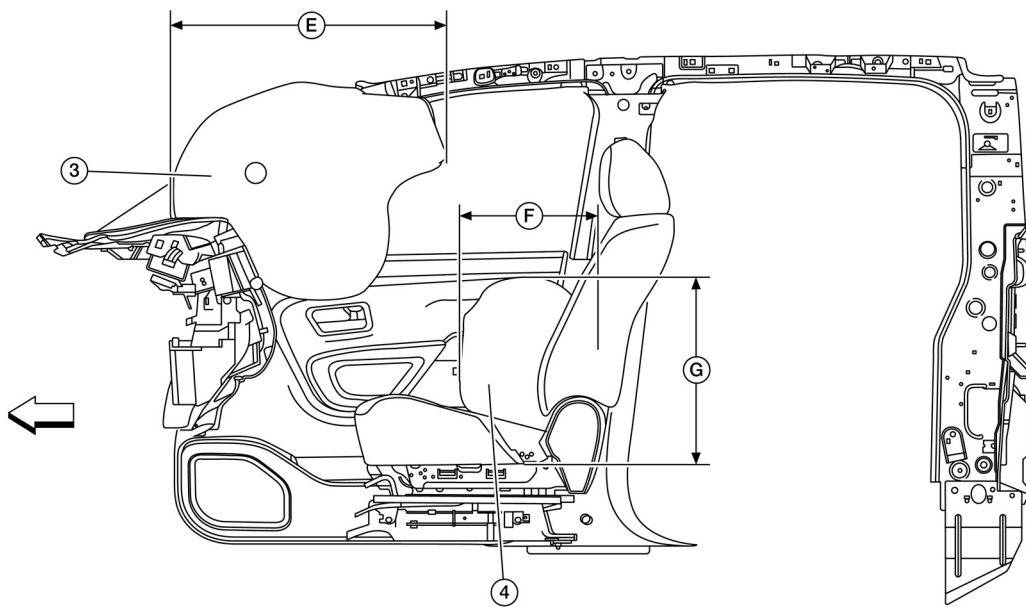
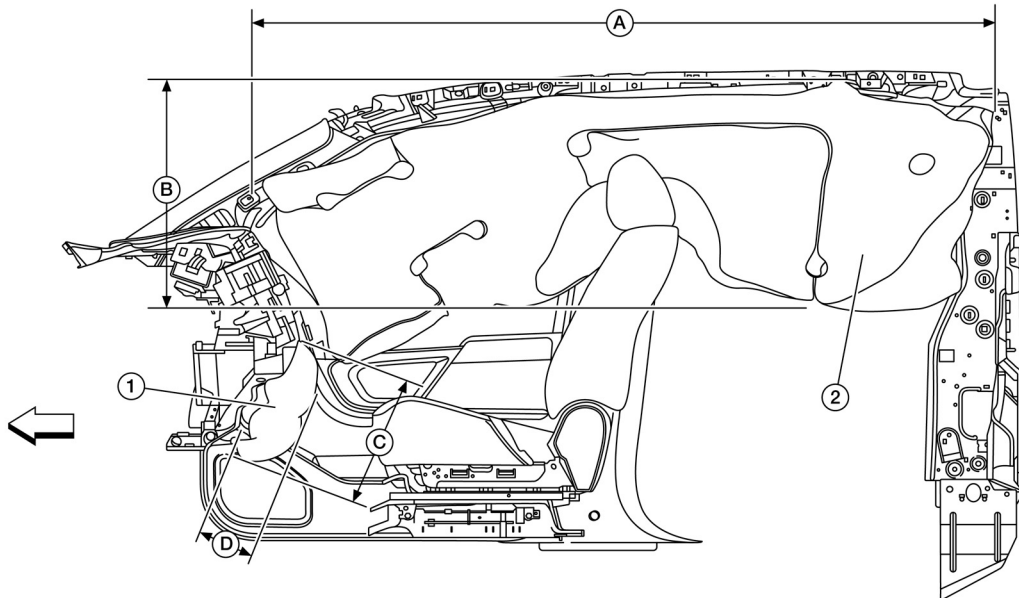
3. Maximum inflated driver air bag

B. 802.68 mm (31.60 in)

E. 293.25 mm (11.55 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Passenger Side View



TGAAZIA0094ZZ

↖: Front of vehicle.

1. Maximum inflated passenger knee air bag

4. Maximum inflated side air bag

C. 357.65 mm (14.08 in)

F. 327.85 mm (12.91 in)

2. Maximum inflated side curtain air bag

A. 1,954.79 mm (76.96 in)

D. 178.27 mm (7.02 in)

G. 482.40 mm (18.99 in)

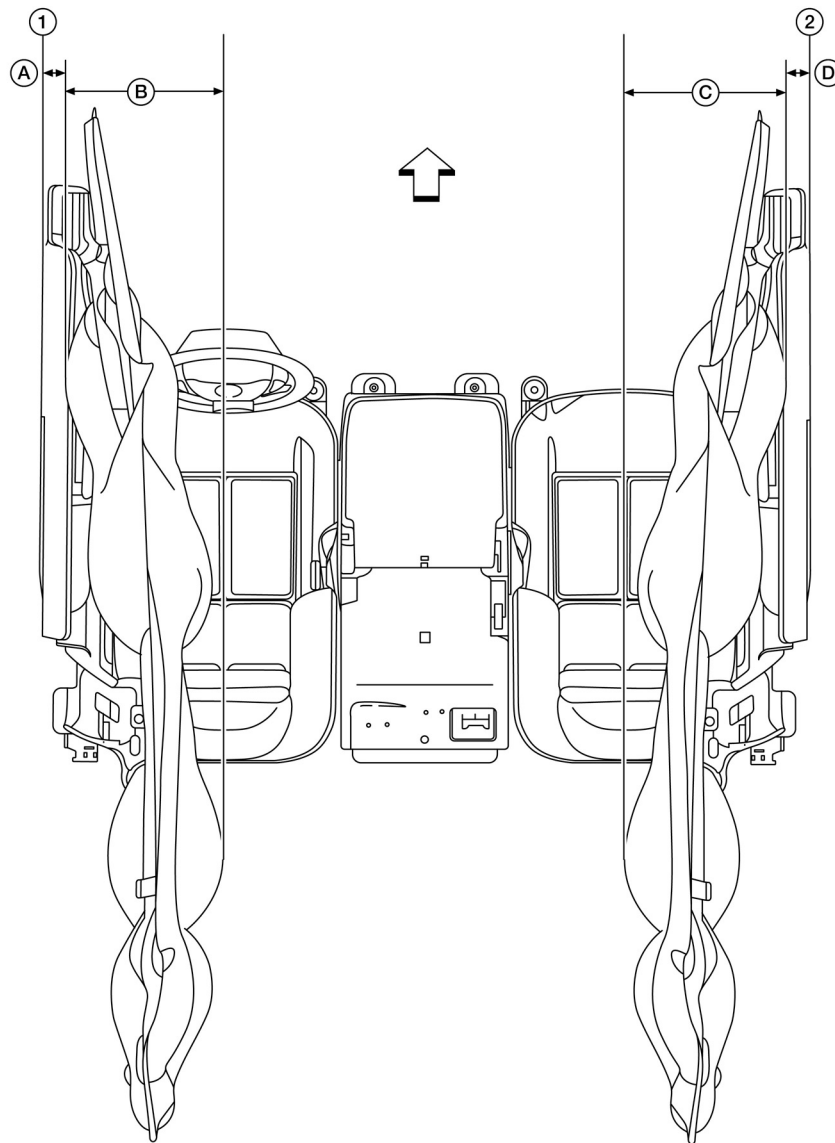
3. Maximum inflated passenger air bag

B. 802.68 mm (31.60 in)

E. 722.95 mm (28.46 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Side Curtain Air Bag Inflation Zones — Overhead View



TGAAZIA0106ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 352.49 mm (13.88 in)

2. Reference point: door glass trim edge

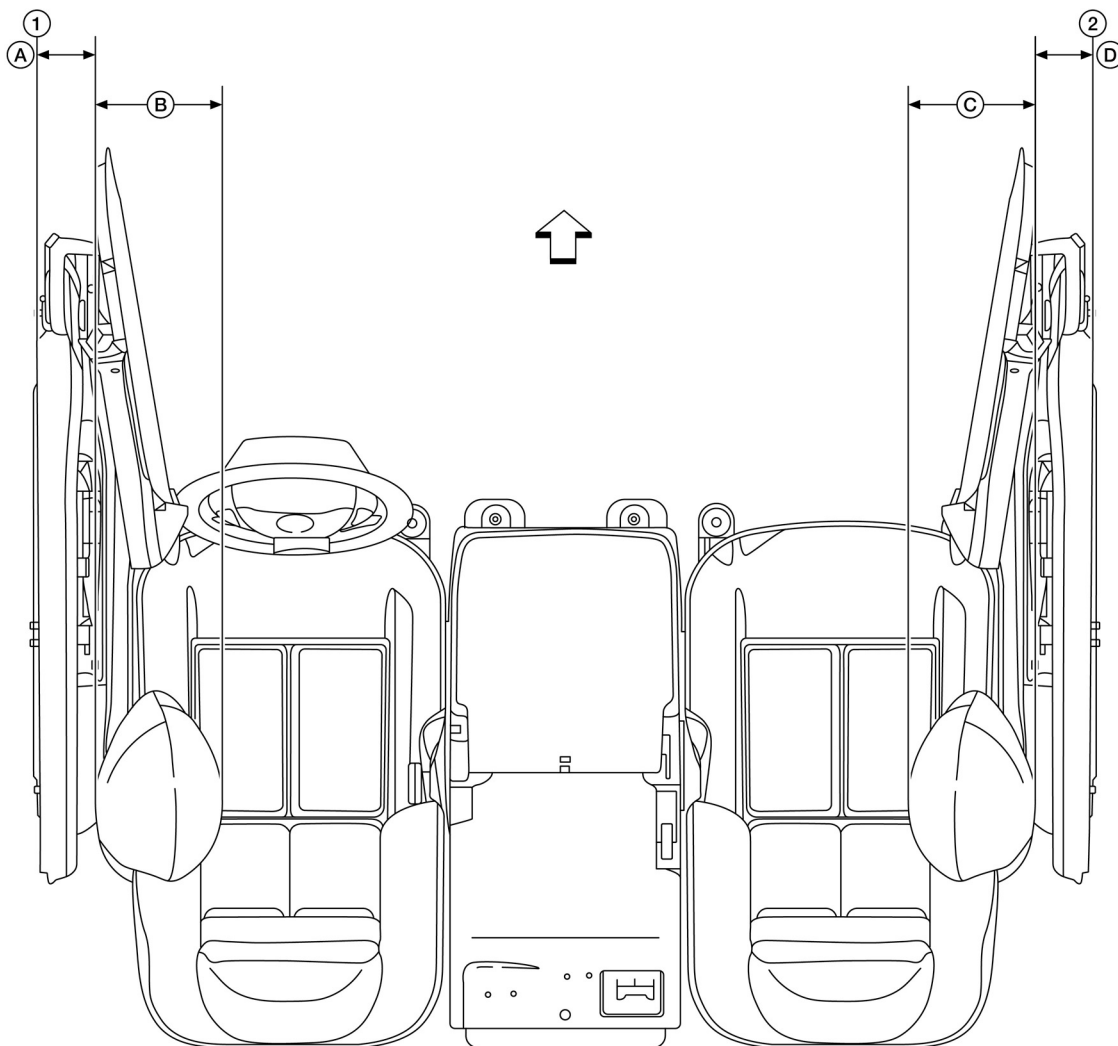
C. 352.49 mm (13.88 in)

A. 56.24 mm (2.21 in)

D. 56.24 mm (2.21 in)

FRONT AIR BAG DEPLOYMENT ZONES — CREW CAB (2020–2021 Model Years)
[SAFETY INFORMATION]

Side Air Bag Inflation Zones — Overhead View



TGAAZIA0107ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 210.39 mm (8.28 in)

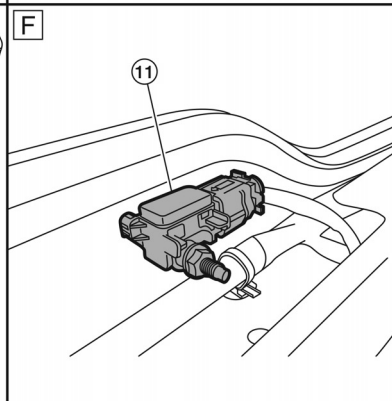
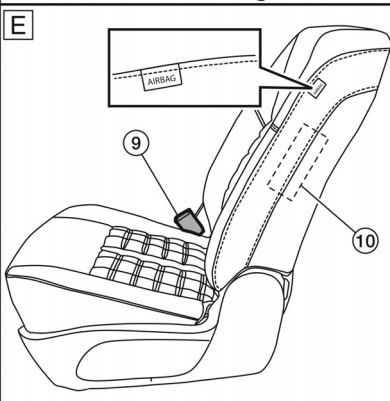
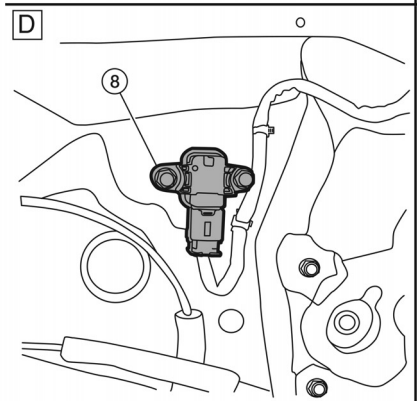
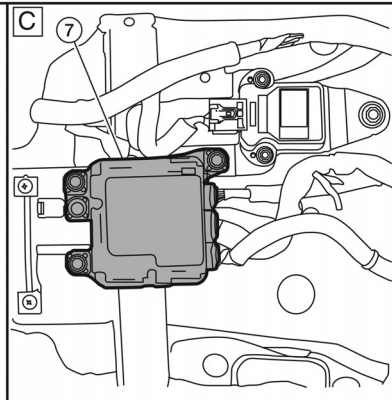
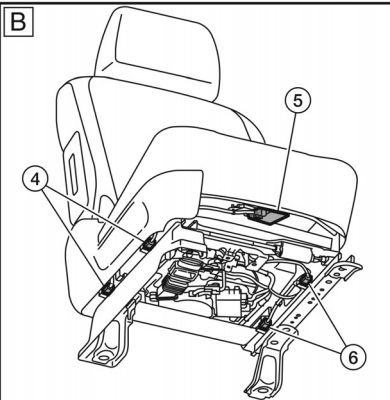
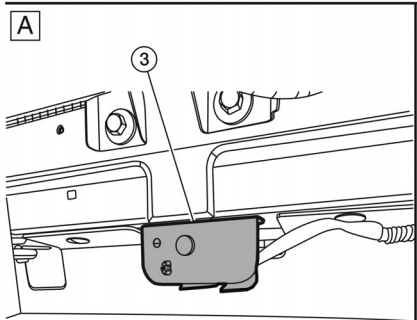
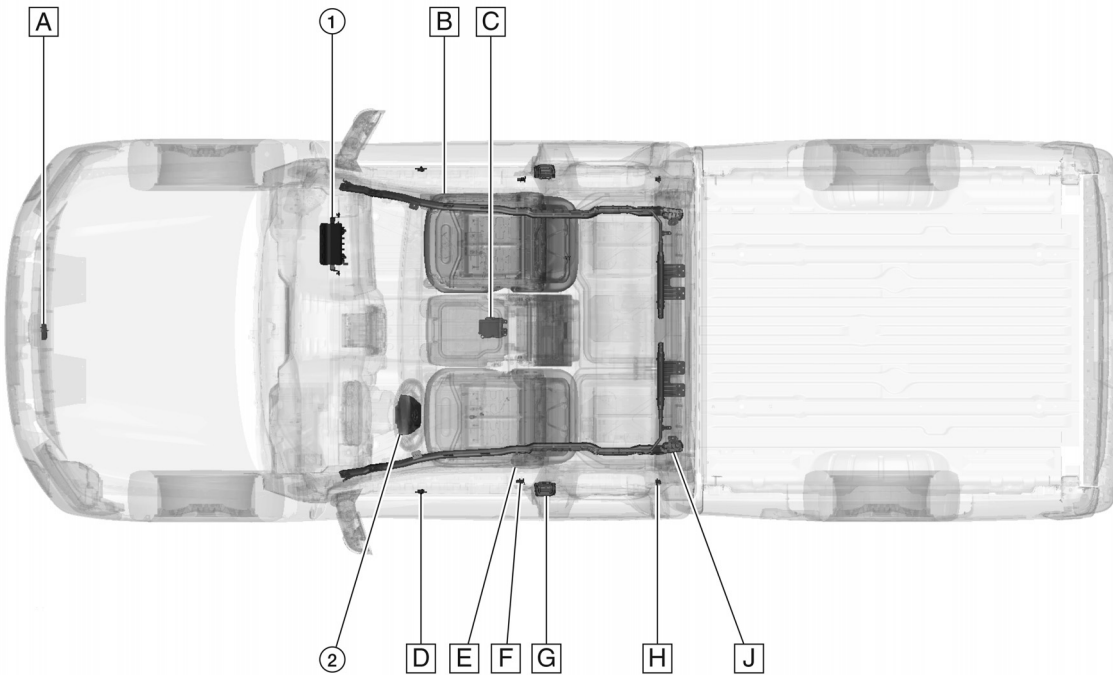
2. Reference point: door glass trim edge

C. 210.39 mm (8.28 in)

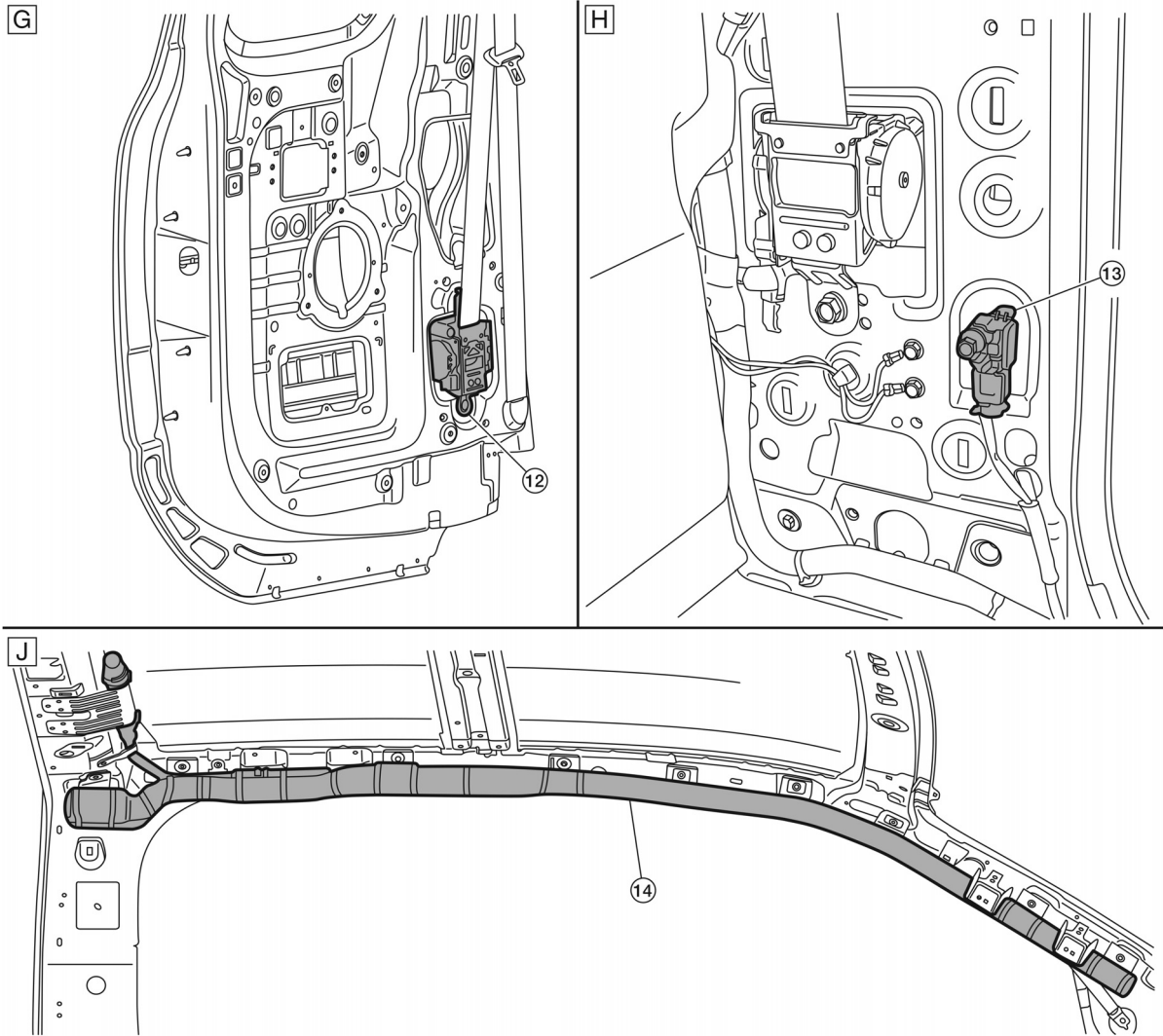
A. 93.23 mm (3.67 in)

D. 93.23 mm (3.67 in)

SRS COMPONENT LOCATIONS — KING CAB® (2017-2019 Model Years)



AAZIA0926ZZ



AAZIA0892ZZ

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Front passenger air bag module 3. Crash zone sensor (front view from underneath radiator core support) 5. Occupant classification system control unit 7. Air bag diagnosis sensor unit 9. Seat belt buckle switch LH 11. Front LH side air bag satellite sensor (RH similar)
(all 2017 model year vehicles)
(2018 model year, if so equipped) 13. Rear LH side air bag satellite sensor (RH similar) | <ul style="list-style-type: none"> 2. Driver air bag module 4. Outboard occupant classification system sensors 6. Inboard occupant classification system sensors 8. Front LH door satellite sensor (RH similar) 10. Front LH side air bag module (RH similar) 12. Front LH seat belt pre-tensioner (RH similar) 14. LH side curtain air bag module (RH similar)
(view with headliner and A-pillar trim removed) |
|---|--|

OCCUPANT CLASSIFICATION SYSTEM — KING CAB® (2017-2019 Model Years)**WARNING:**

After removal and installation of the front passenger seat, a zero point reset function must be performed. It is recommended that this be performed by a NISSAN dealer using a special tool. If zero point reset is not performed, the occupant classification system may not operate normally which may increase the risk of serious injury or death in a collision.

**WARNING:**

Do not disturb or modify the front passenger seat wiring. Failure to follow this instruction may cause incorrect operation of the occupant classification system and front passenger air bag or system failure and may increase the risk of serious injury or death in a collision.

The front passenger seat is equipped with seat weight sensors as part of the supplemental restraints occupant classification system. The occupant classification sensors (weight sensors) are on the seat cushion frame under the front passenger seat and are designed to detect an occupant and objects on the seat. The front passenger air bag status lamp is illuminated when the system is disabled. For occupant classification system and front passenger air bag operation, refer to the Owner's Manual. For repair of the front passenger seat, occupant classification system, air bags or if an air bag warning lamp is illuminated, it is recommended that you visit a NISSAN dealer.

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)

FRONT AIR BAG MODULE LOCATIONS



WARNING:

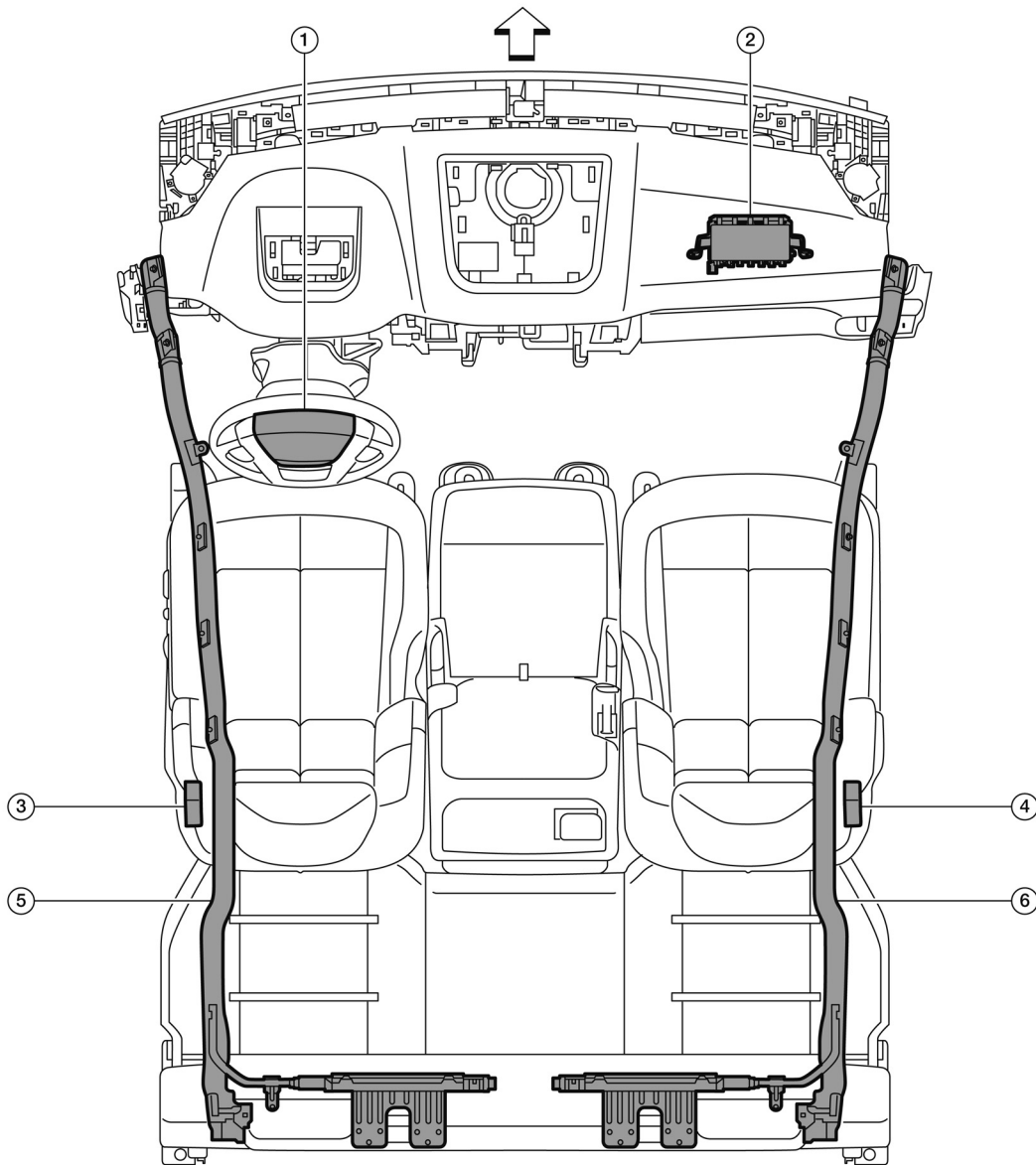
Modifications must not interfere with air bag modules or deployment zones. Damage to air bag modules may cause serious personal injury or death. Objects placed within air bag deployment zones may cause serious personal injury or death.

NOTE:

Do not add accessory items that, when installed, will interfere with the installed position of the air bag or the zones of the deploying air bags.

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Overhead View



AAZIA0893ZZ

↖: Front of vehicle.

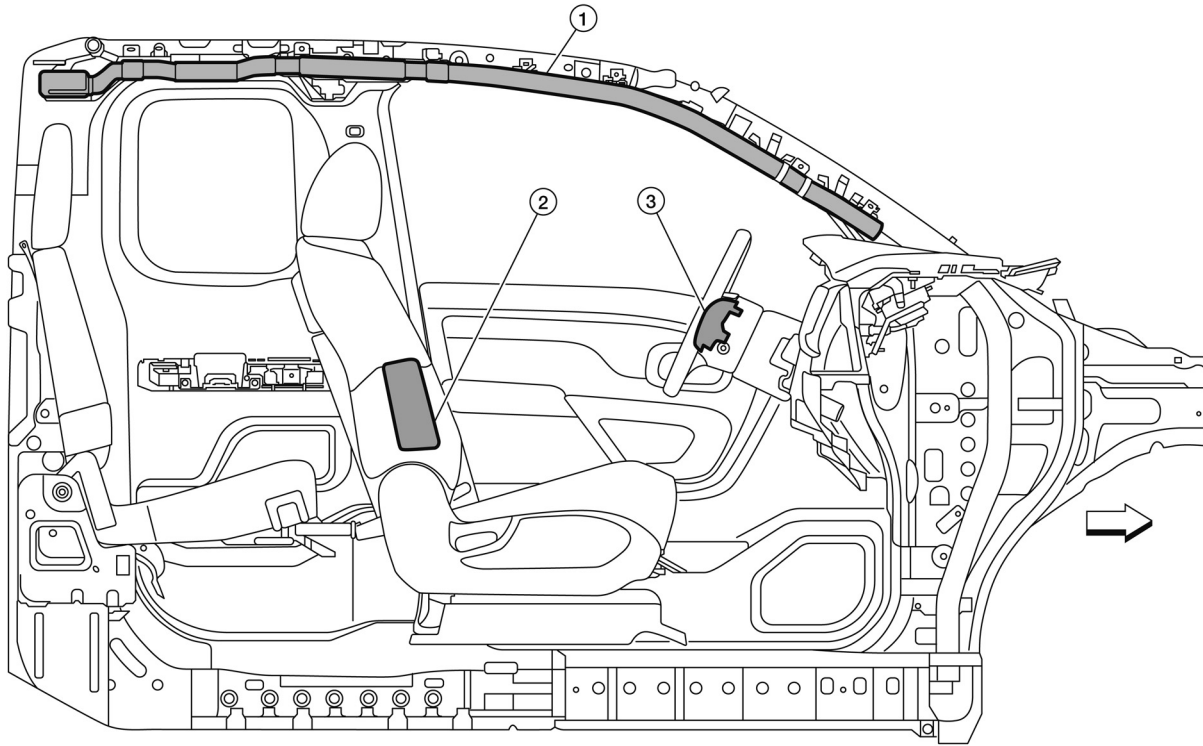
1. Driver air bag module
4. Side air bag module,
passenger

2. Passenger air bag module
5. Side curtain air bag module,
driver

3. Side air bag module, driver
6. Side curtain air bag module,
passenger

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Driver Side



AAZIA0894ZZ

←: Front of vehicle.

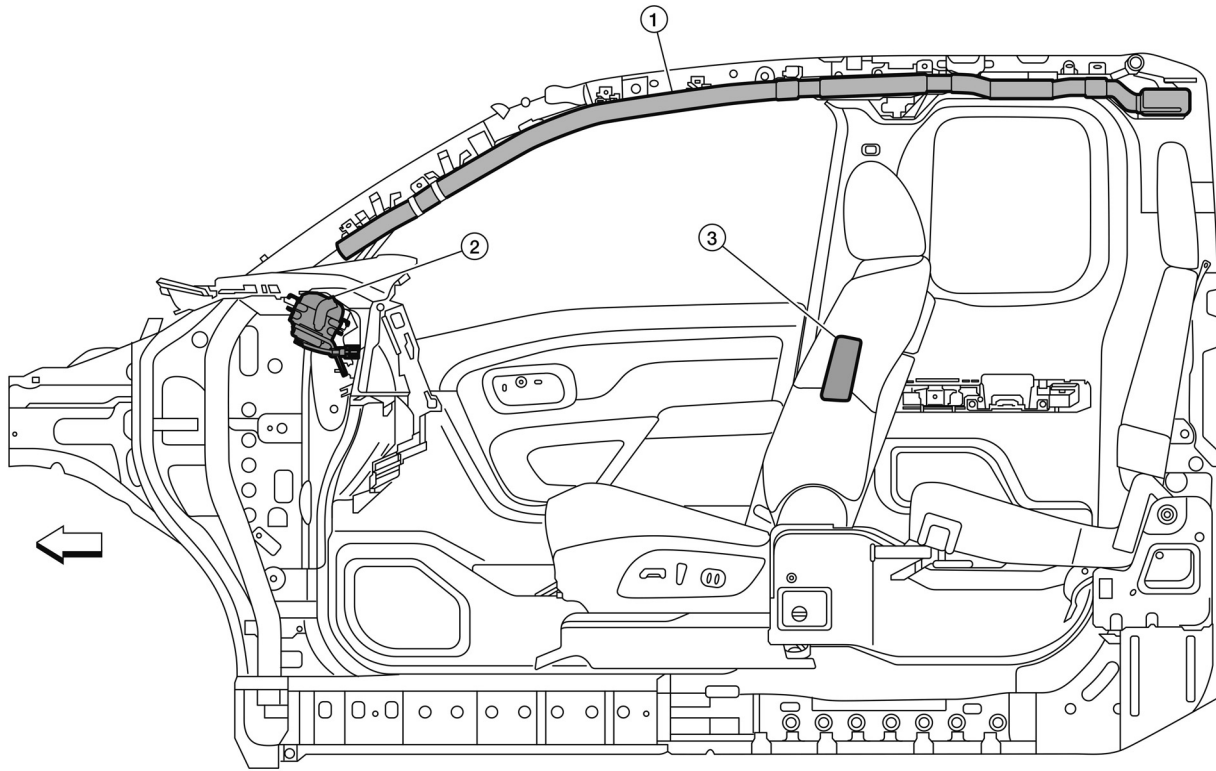
1. Side curtain air bag module

2. Side air bag module

3. Driver air bag module

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Passenger Side

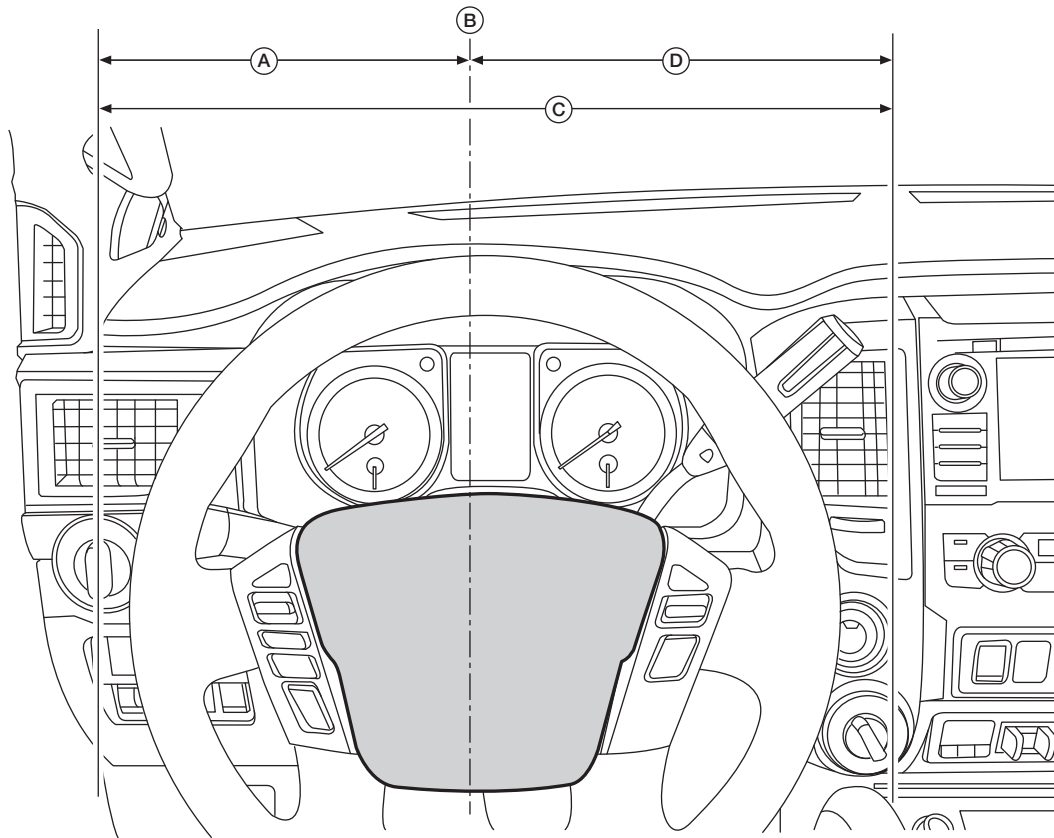


TGAAZIA0122ZZ

←: Front of vehicle.

1. Side curtain air bag module 2. Passenger air bag module 3. Side air bag module

Driver Air Bag Deployment Width



AAZIA0557ZZ

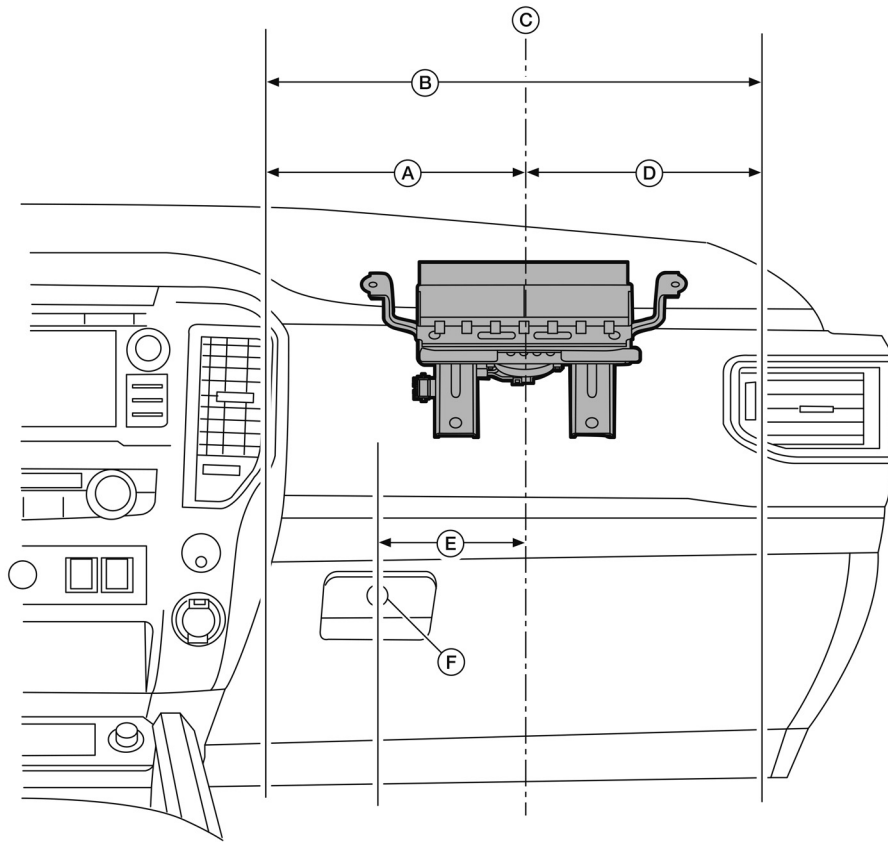
A. 245.5 mm (9.67 in)

B. Center of the driver air bag module housing

C. Maximum lateral projection of the deployed driver air bag 491 mm (19.33 in)

D. 245.5 mm (9.67 in)

Front Passenger Air Bag Deployment Width



TGAAZIA0050ZZ

A. 233.5 mm (9.19 in)

B. Maximum lateral projection
of the deployed passenger air
bag 467 mm (18.39 in)

C. Center of passenger air bag
module housing

D. 233.5 mm (9.19 in)


E. 130.84 mm (5.15 in)


F. Reference point: glove box
key hole

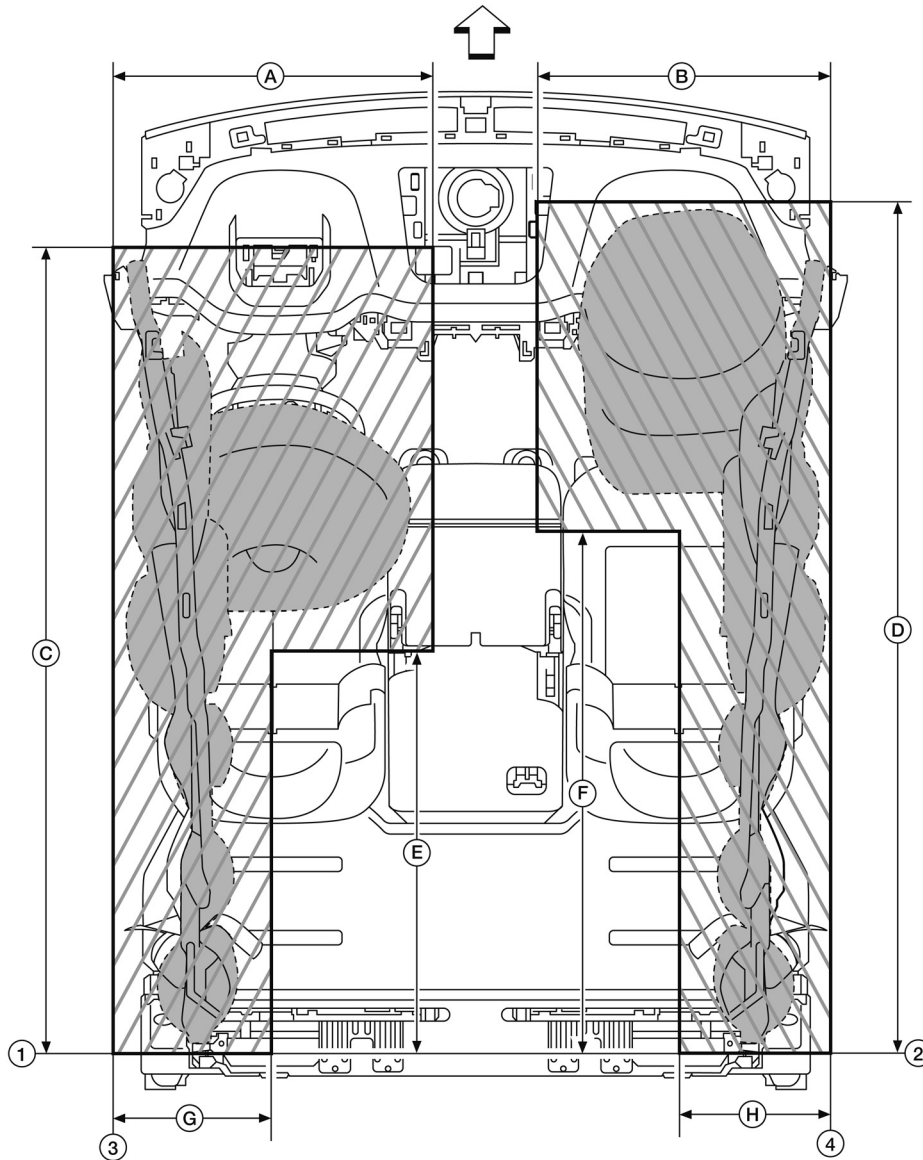
FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

AIR BAG DEPLOYMENT KEEP-OUT ZONES

Front Air Bag Keep-Out Zones — Overhead View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0896ZZ

: Front of vehicle.

1. Reference point: back panel

2. Reference point: back panel

3. Reference point: door glass trim edge

4. Reference point: door glass trim edge

C. 1,829.82 mm (72.04 in)

A. 694.35 mm (27.34 in)

B. 623.59 mm (24.55 in)

F. 1,183.57 mm (46.60 in)

D. 1,936.80 mm (76.25 in)


E. 966.44 mm (38.05 in)

G. 408.23 mm (16.07 in)

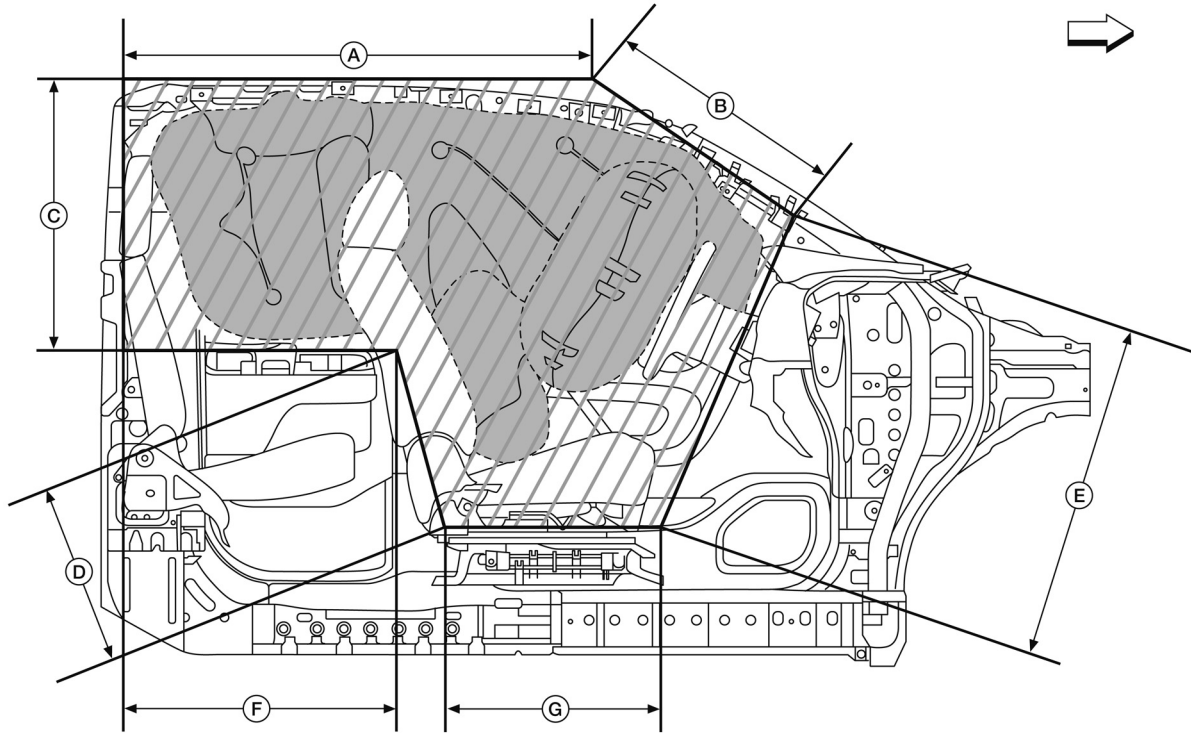
H. 408.23 mm (16.07 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone — Driver Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0897ZZ

: Front of vehicle.

A. 1,341.13 mm (52.80 in)

B. 467.97 mm (18.42 in)

C. 666.69 mm (26.25 in)

D. 457.57 mm (18.01 in)


E. 832.04 mm (32.76 in)

F. 854.54 mm (33.64 in)

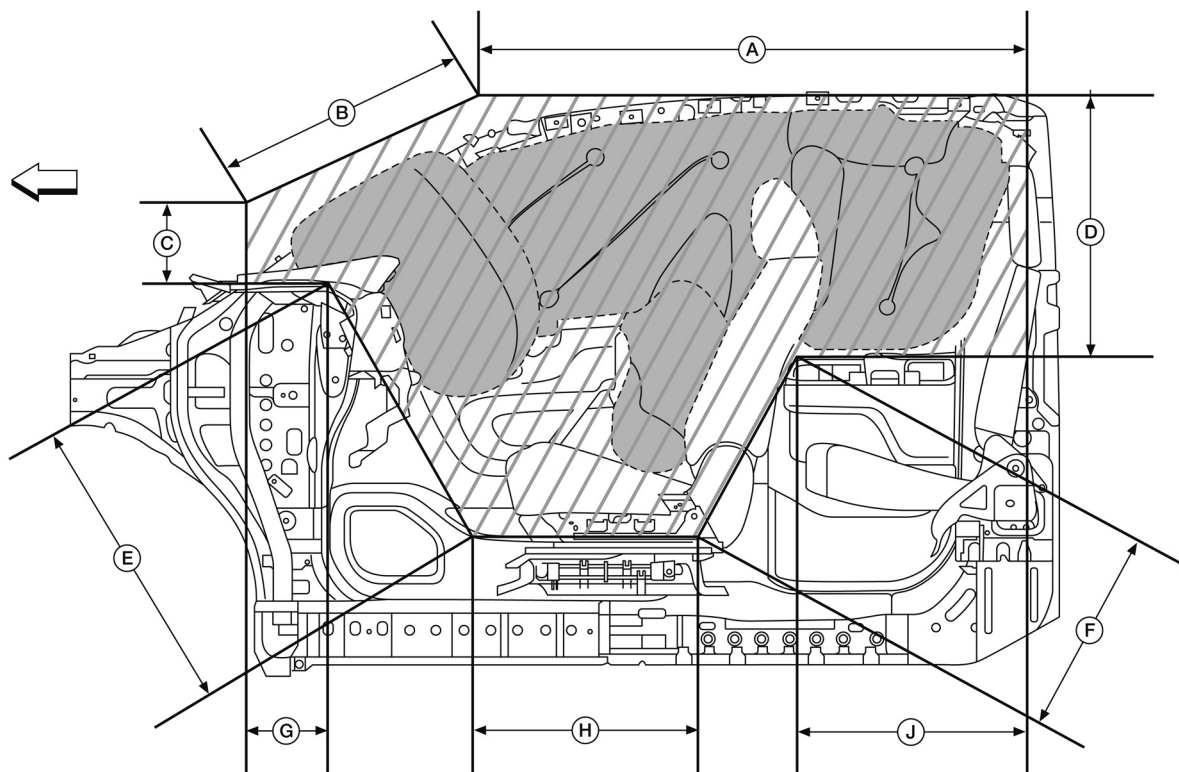
G. 579.92 mm (22.83 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone — Passenger Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0898ZZ

: Front of vehicle.

A. 1,352.92 mm (53.26 in)

B. 750.49 mm (29.55 in)

C. 203.16 mm (7.10 in)

D. 667.00 mm (26.26 in)

E. 693.04 mm (27.28 in)

F. 454.97 mm (17.91 in)

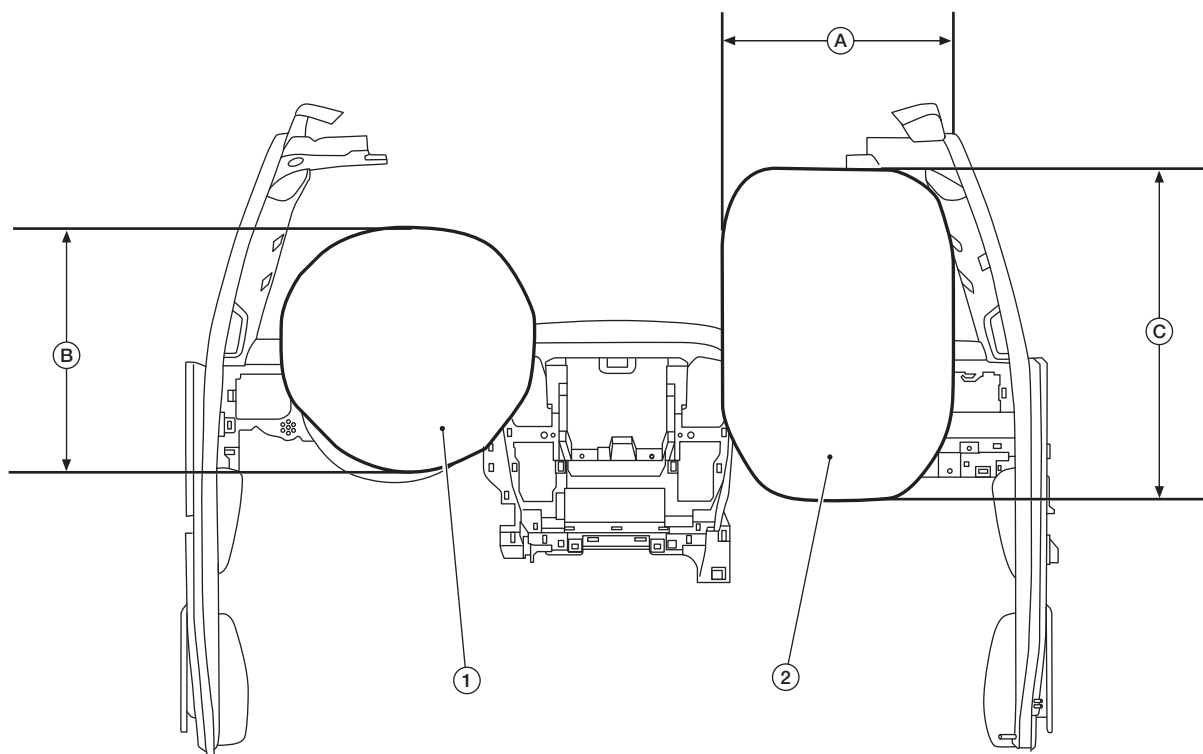
G. 211.73 mm (8.34 in)

H. 574.05 mm (22.60 in)

J. 732.30 mm (28.83 in)

INFLATED AIR BAG ZONE DIMENSIONS

Driver and Passenger Air Bag Inflation Zones — Forward View



AAZIA0551ZZ

1. Maximum inflated driver air bag

B. 491 mm (19.33 in)

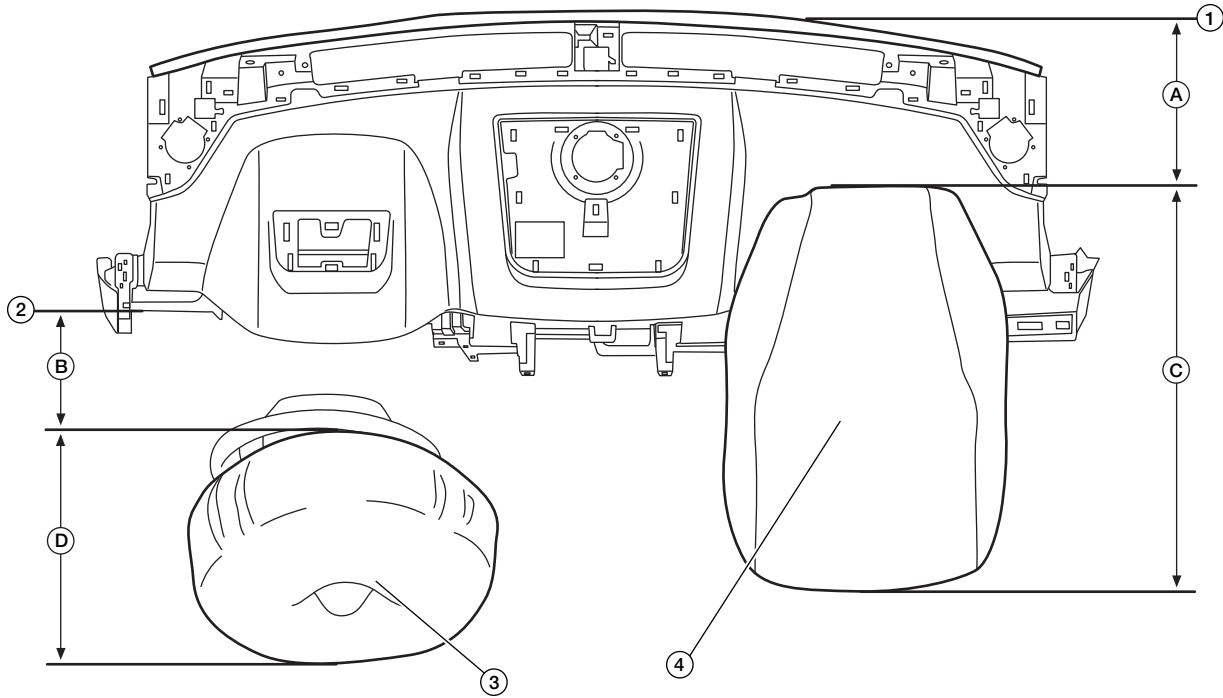
2. Maximum inflated front passenger air bag

C. 746 mm (29.37 in)

A. 440 mm (17.32 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Overhead View



AAZIA0553ZZ

1. Reference point: mating point of windshield and instrument panel at center line of front passenger air bag

2. Reference point: front edge of instrument panel at centerline of driver air bag module

3. Maximum inflated driver air bag

4. Maximum inflated front passenger air bag

A. 257 mm (10.12 in)

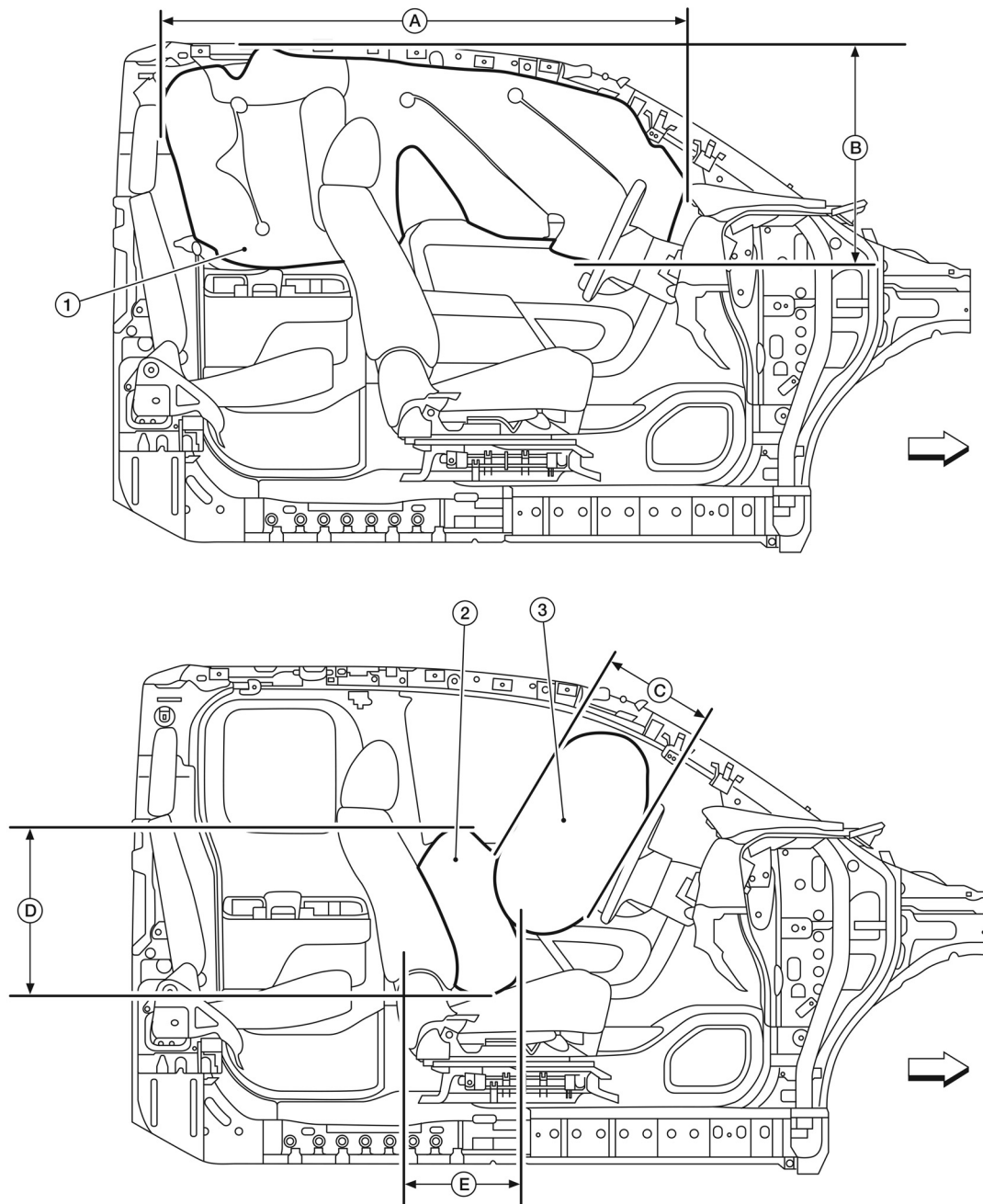
B. 198 mm (7.8 in)

C. 737 mm (29.01 in)

D. 382 mm (15.04 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Driver Side View



AAZIA0899ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

A. 1,807.02 mm (71.14 in)

D. 509 mm (20.04 in)

2. Maximum inflated side air bag

B. 716.48 mm (28.21 in)

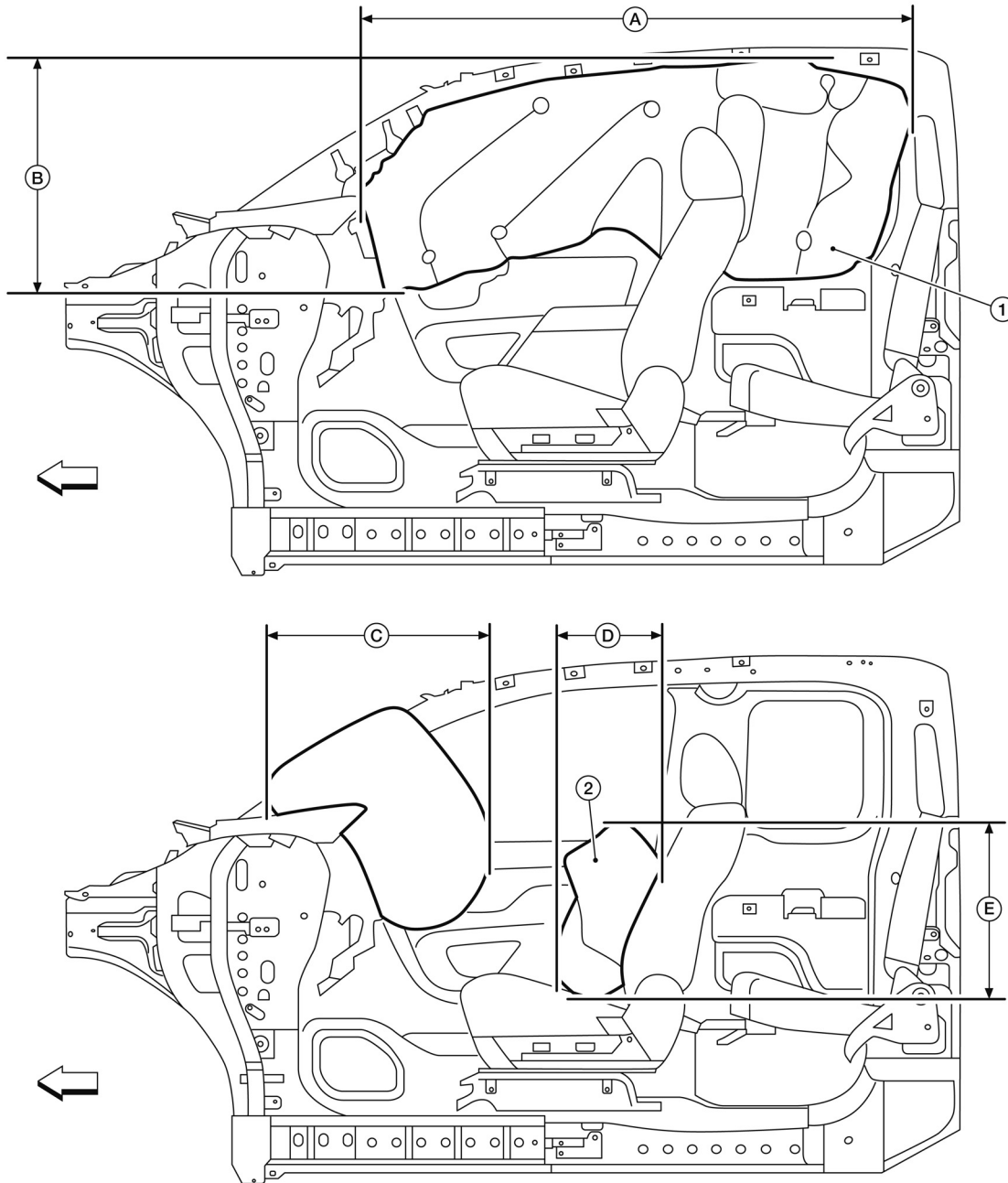
E. 321 mm (12.64 in)

3. Maximum inflated driver air bag

C. 255 mm (10.04 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Passenger Side View



AAZIA0900ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

A. 1,807.02 mm (71.14 in)

D. 509 mm (20.04 in)

2. Maximum inflated passenger air bag

B. 716.48 mm (28.21 in)

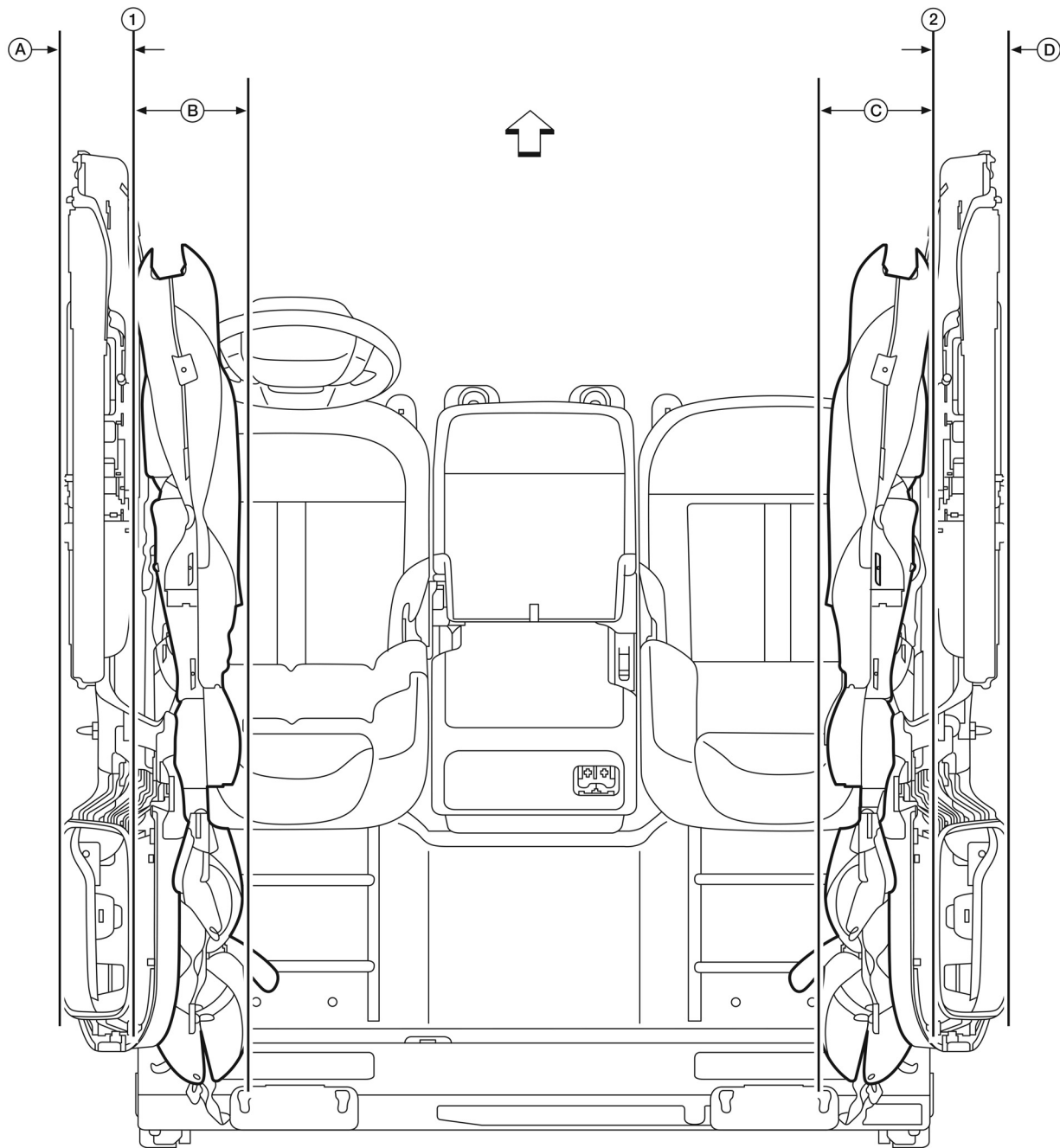
E. 315 mm (12.4 in)

3. Maximum inflated side air bag

C. 737 mm (29.01 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Side Curtain Air Bag Inflation Zones — Overhead View



AAZIA0901ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 211.72 mm (8.34 in)

2. Reference point: door glass trim edge

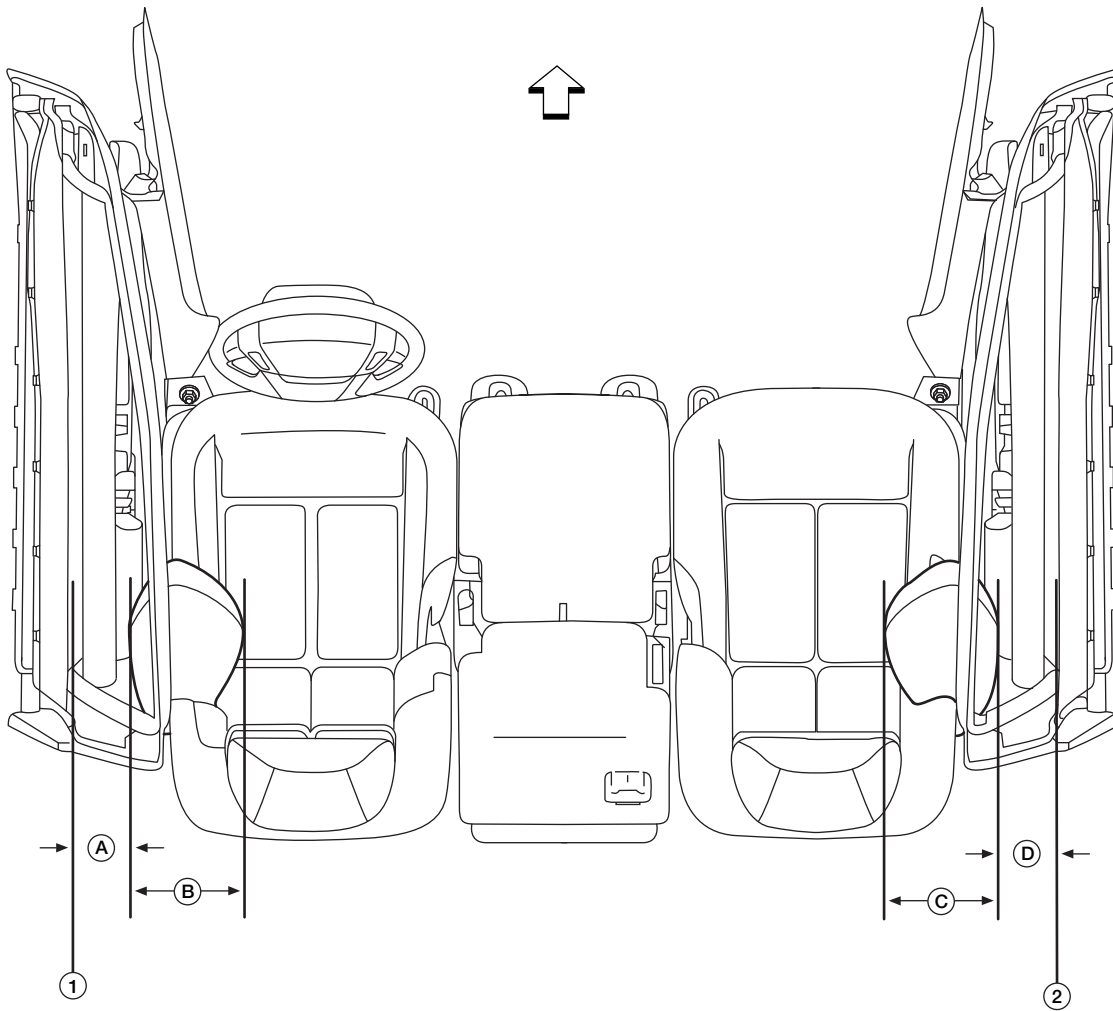
C. 211.72 mm (8.34 in)

A. 116.81 mm (4.60 in)

D. 116.81 mm (4.60 in)

FRONT AIR BAG DEPLOYMENT ZONES — KING CAB® (2017-2019 Model Years)
[SAFETY INFORMATION]

Side Air Bag Inflation Zones — Overhead View



AAZIA0552ZZ

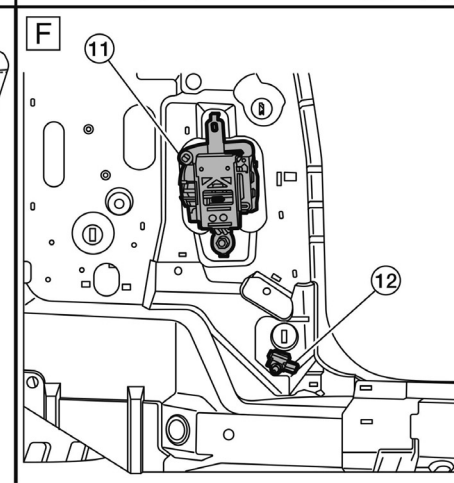
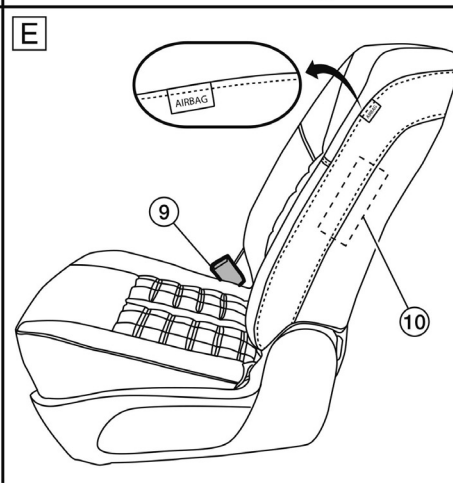
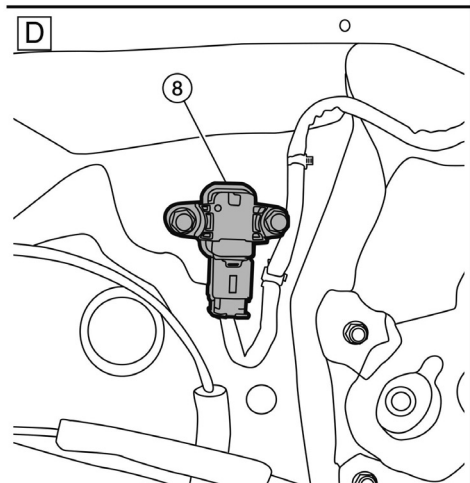
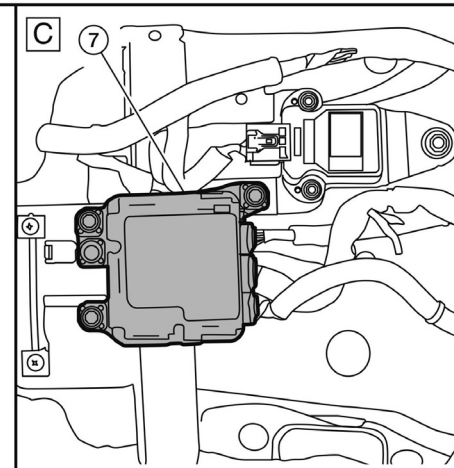
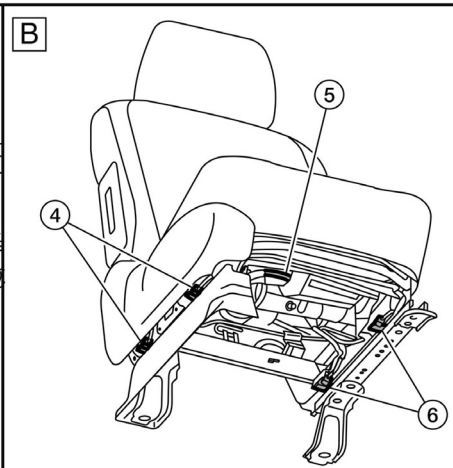
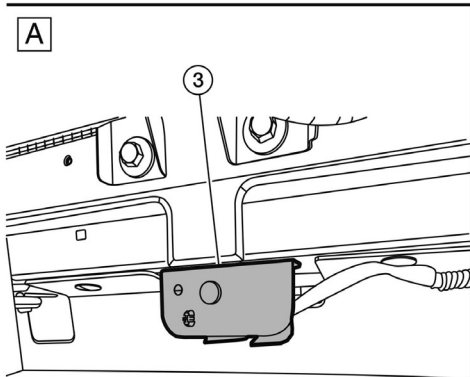
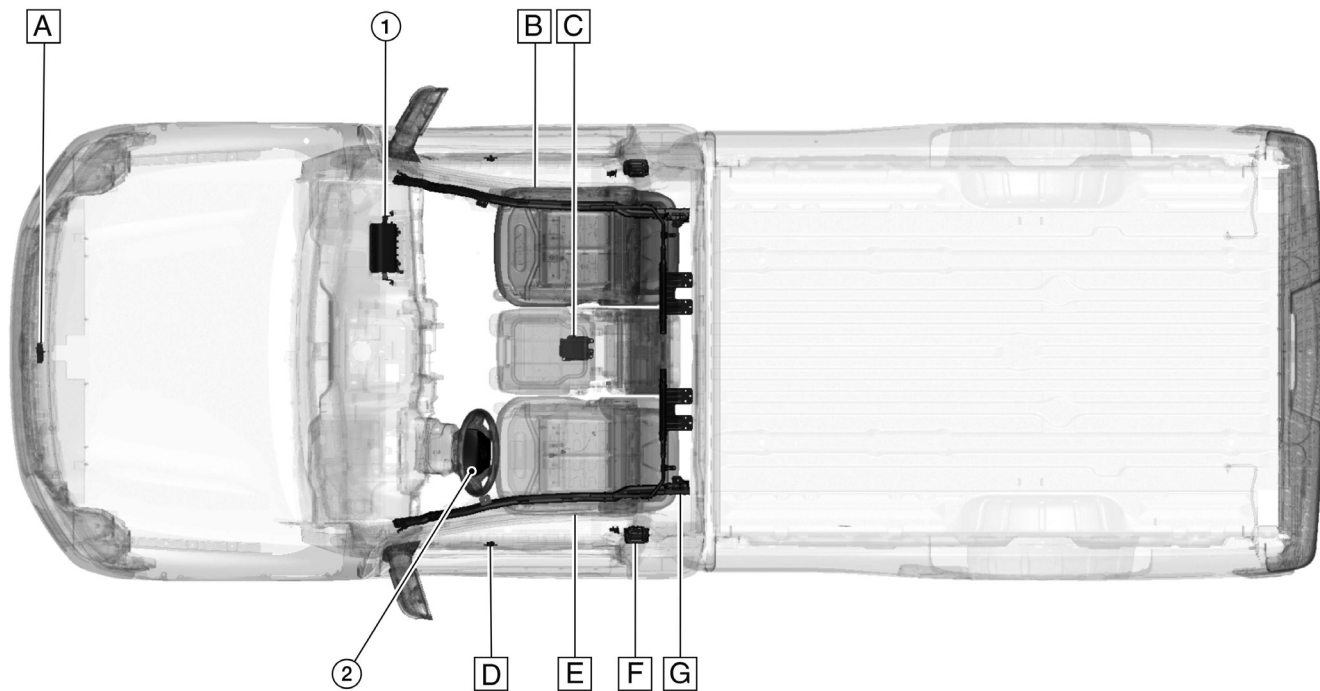
↖: Front of vehicle.

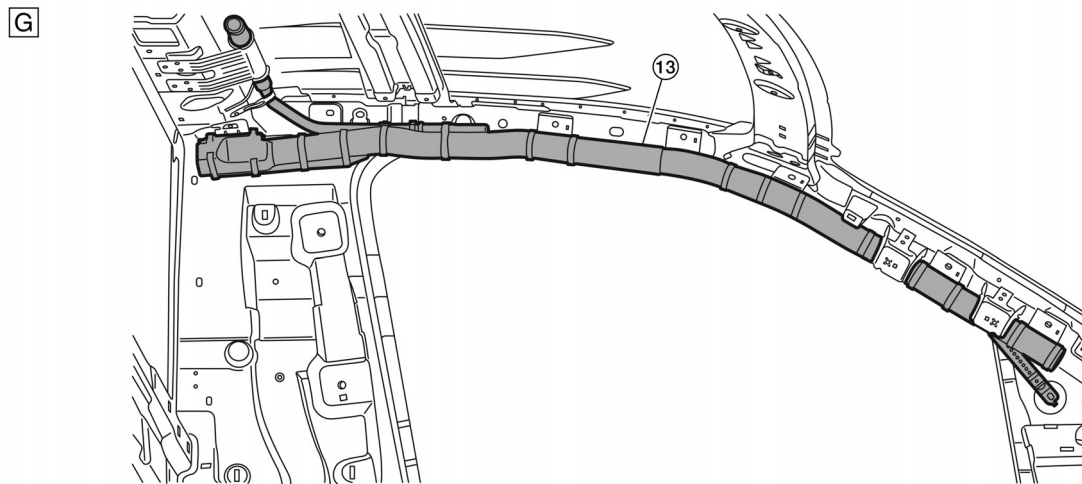
- 1. Reference point: door glass trim edge
- B. 206 mm (8.11 in)

- 2. Reference point: door glass trim edge
- C. 206 mm (8.11 in)

- A. 107 mm (4.21 in)
- D. 107 mm (4.21 in)

SRS COMPONENT LOCATIONS — SINGLE CAB (2017-2019 Model Years)





AAZIA0830ZZ

1. Front passenger air bag module
2. Driver air bag module
3. Crash zone sensor (front view from underneath radiator core support)
4. Outboard occupant classification system sensors
5. Occupant classification system control unit
6. Inboard occupant classification system sensors
7. Air bag diagnosis sensor unit
8. LH door satellite sensor (RH similar)
9. Seat belt buckle switch LH
10. Front LH side air bag module (RH similar)
11. Front LH seat belt pre-tensioner (RH similar)
12. LH side air bag satellite sensor (RH similar)
13. LH side curtain air bag module (RH similar) (view with headliner and A-pillar trim removed)

OCCUPANT CLASSIFICATION SYSTEM — SINGLE CAB (2017-2019 Model Years)**WARNING:**

After removal and installation of the front passenger seat, a zero point reset function must be performed. It is recommended that this be performed by a NISSAN dealer using a special tool. If zero point reset is not performed, the occupant classification system may not operate normally which may increase the risk of serious injury or death in a collision.

**WARNING:**

Do not disturb or modify the front passenger seat wiring. Failure to follow this instruction may cause incorrect operation of the occupant classification system and front passenger air bag or system failure and may increase the risk of serious injury or death in a collision.

The front passenger seat is equipped with seat weight sensors as part of the supplemental restraints occupant classification system. The occupant classification sensors (weight sensors) are on the seat cushion frame under the front passenger seat and are designed to detect an occupant and objects on the seat. The front passenger air bag status lamp is illuminated when the system is disabled. For occupant classification system and front passenger air bag operation, refer to the Owner's Manual. For repair of the front passenger seat, occupant classification system, air bags or if an air bag warning lamp is illuminated, it is recommended that you visit a NISSAN dealer.

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)

FRONT AIR BAG MODULE LOCATIONS



WARNING:

Modifications must not interfere with air bag modules or deployment zones. Damage to air bag modules may cause serious personal injury or death. Objects placed within air bag deployment zones may cause serious personal injury or death.

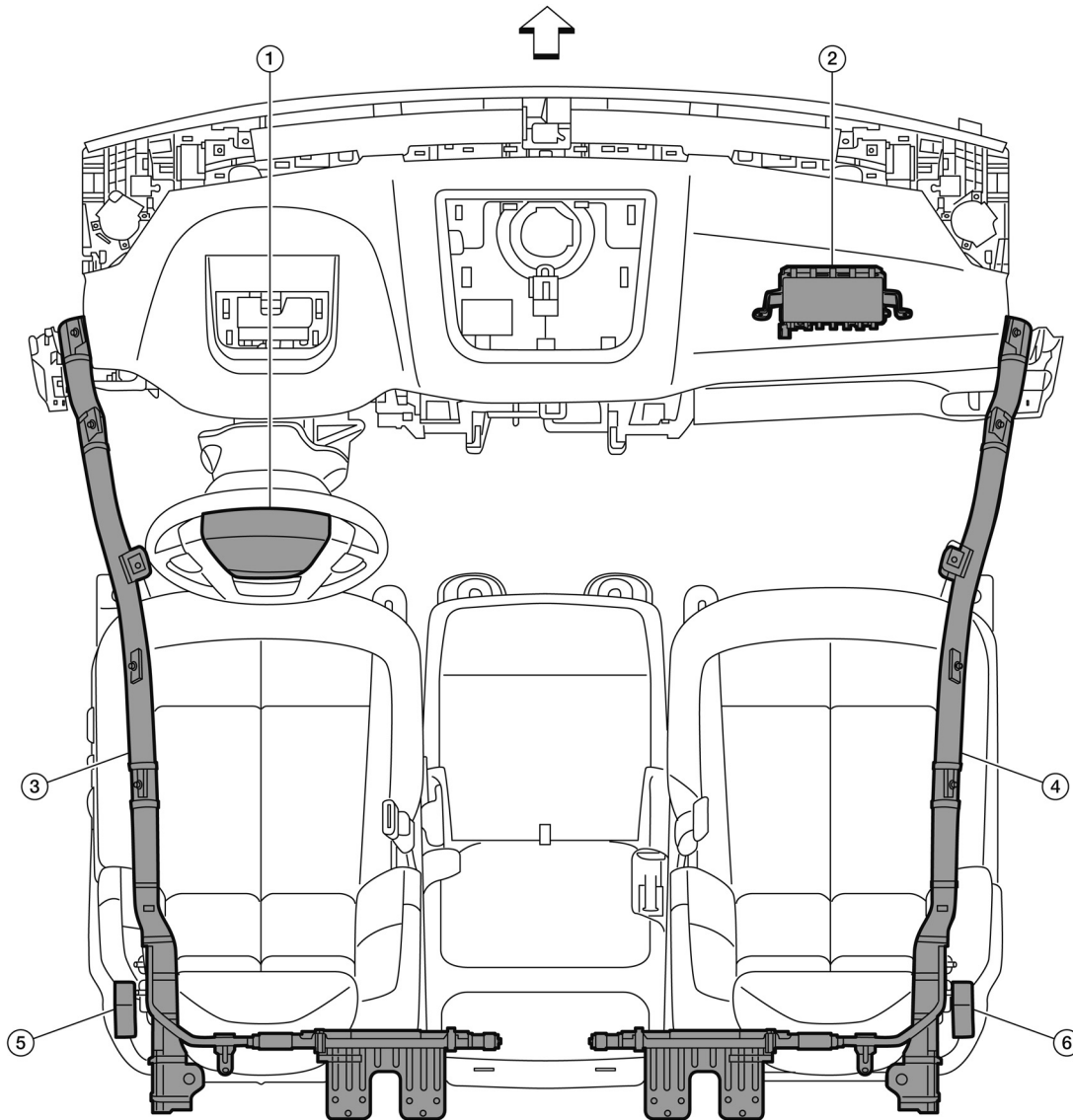
NOTE:

Do not add accessory items that, when installed, will interfere with the installed position of the air bag or the zones of the deploying air bags.

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)

[SAFETY INFORMATION]

Front Air Bag Modules — Overhead View



AAZIA0834ZZ

↖: Front of vehicle.

1. Driver air bag module

2. Passenger air bag module

3. Side curtain air bag module, driver

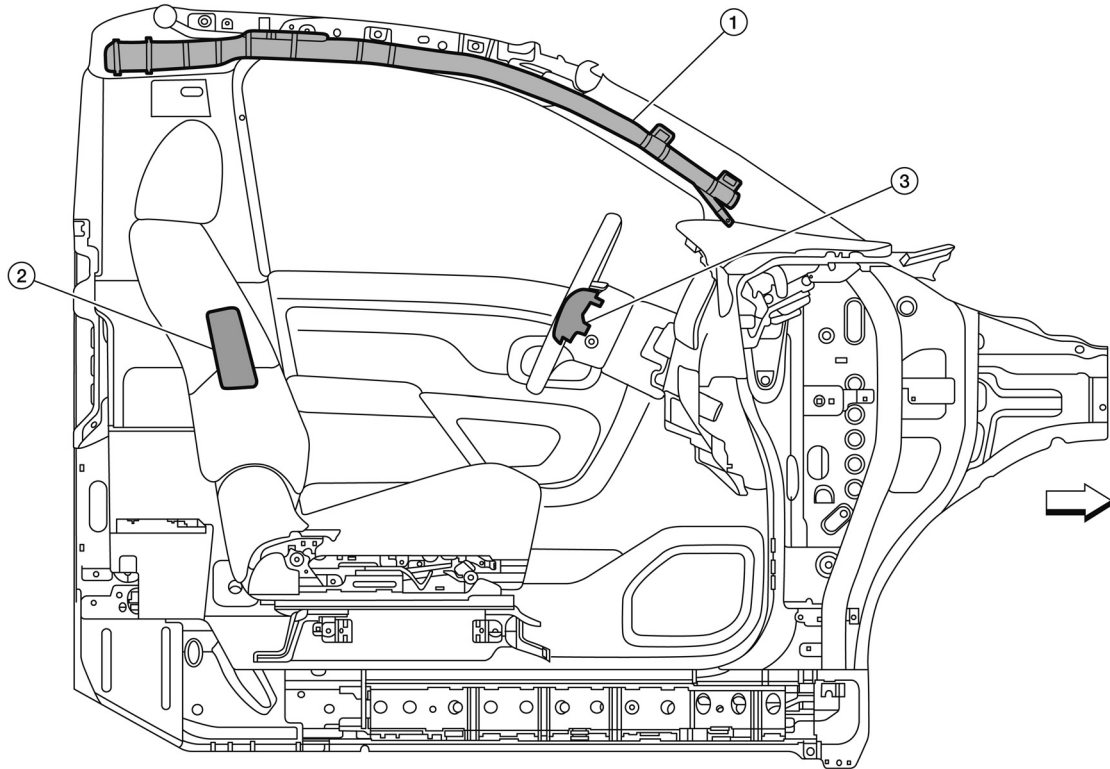
4. Side curtain air bag module, passenger

5. Side air bag module, driver

6. Side air bag module, passenger

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Modules — Driver Side



AAZIA0854ZZ

←: Front of vehicle.

1. Side curtain air bag module

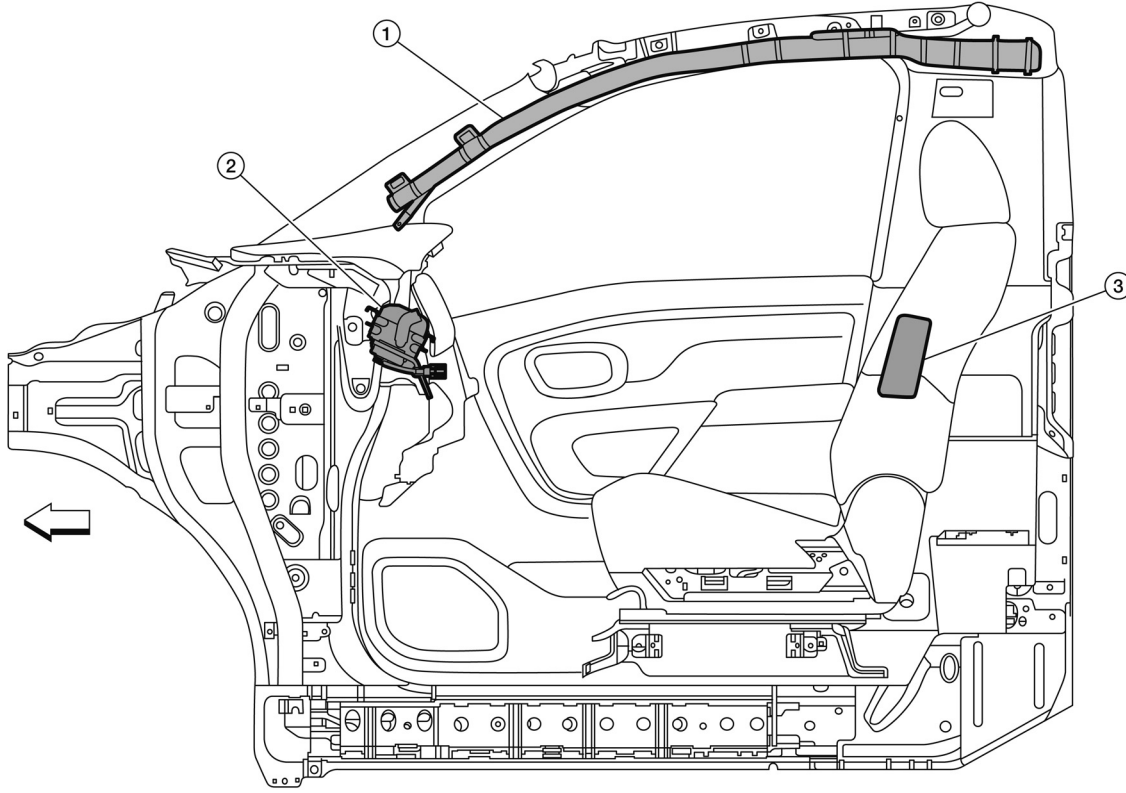
2. Side air bag module

3. Driver air bag module

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)

[SAFETY INFORMATION]

Front Air Bag Modules — Passenger Side

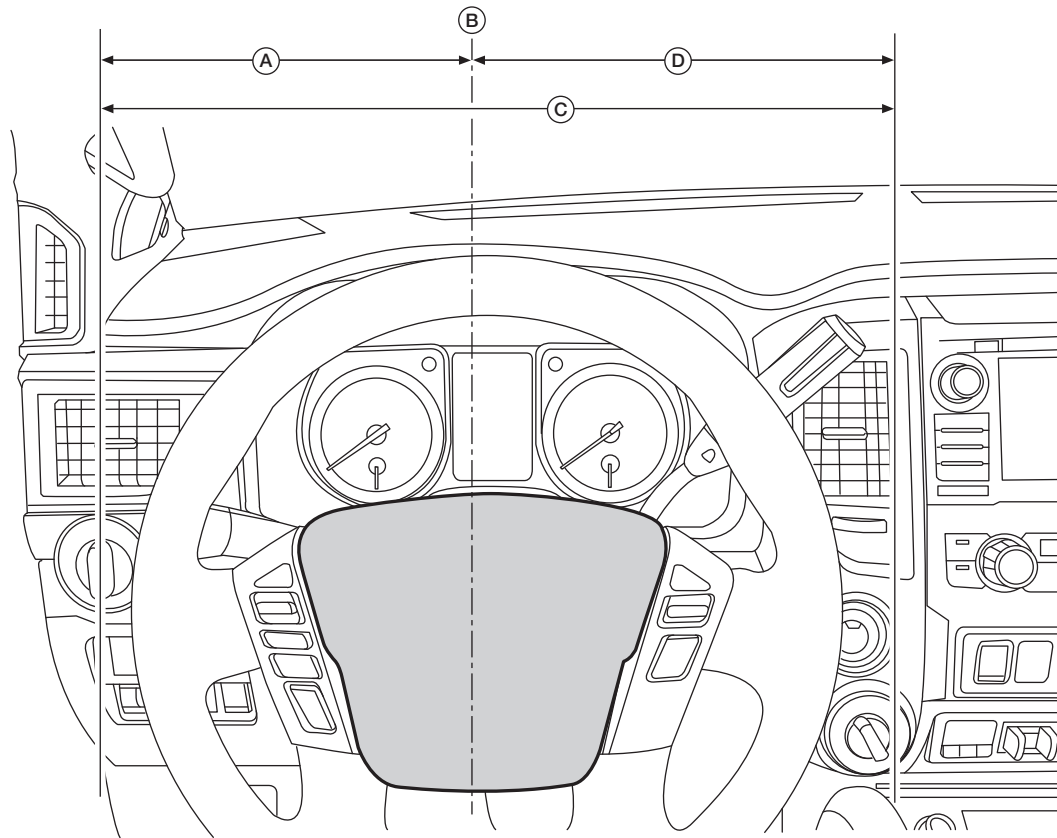


AAZIA0855ZZ

↖: Front of vehicle.

1. Side curtain air bag module 2. Passenger air bag module 3. Side air bag module

Driver Air Bag Deployment Width



AAZIA0557ZZ

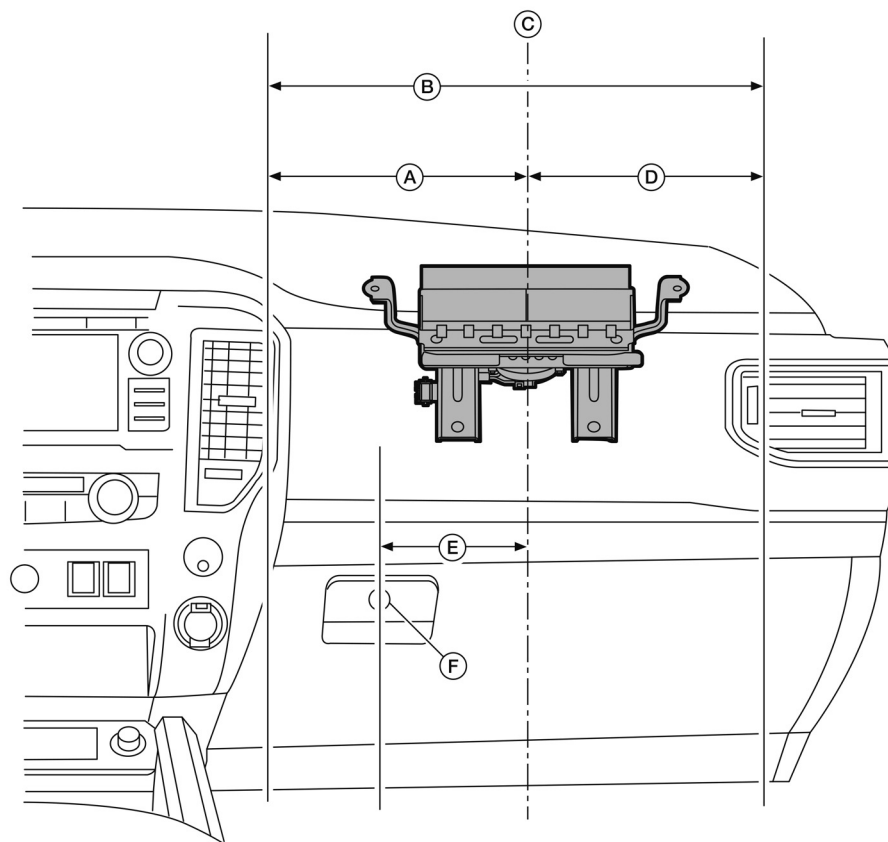
A. 245.5 mm (9.67 in)

B. Center of the driver air bag module housing

C. Maximum lateral projection of the deployed driver air bag 491 mm (19.33 in)

D. 245.5 mm (9.67 in)

Front Passenger Air Bag Deployment Width



TGAAZIA0050ZZ

A. 233.5 mm (9.19 in)

B. Maximum lateral projection of the deployed passenger air bag 467 mm (18.39 in)

C. Center of passenger air bag module housing

D. 233.5 mm (9.19 in)


E. 130.84 mm (5.15 in)


F. Reference point: glove box key hole

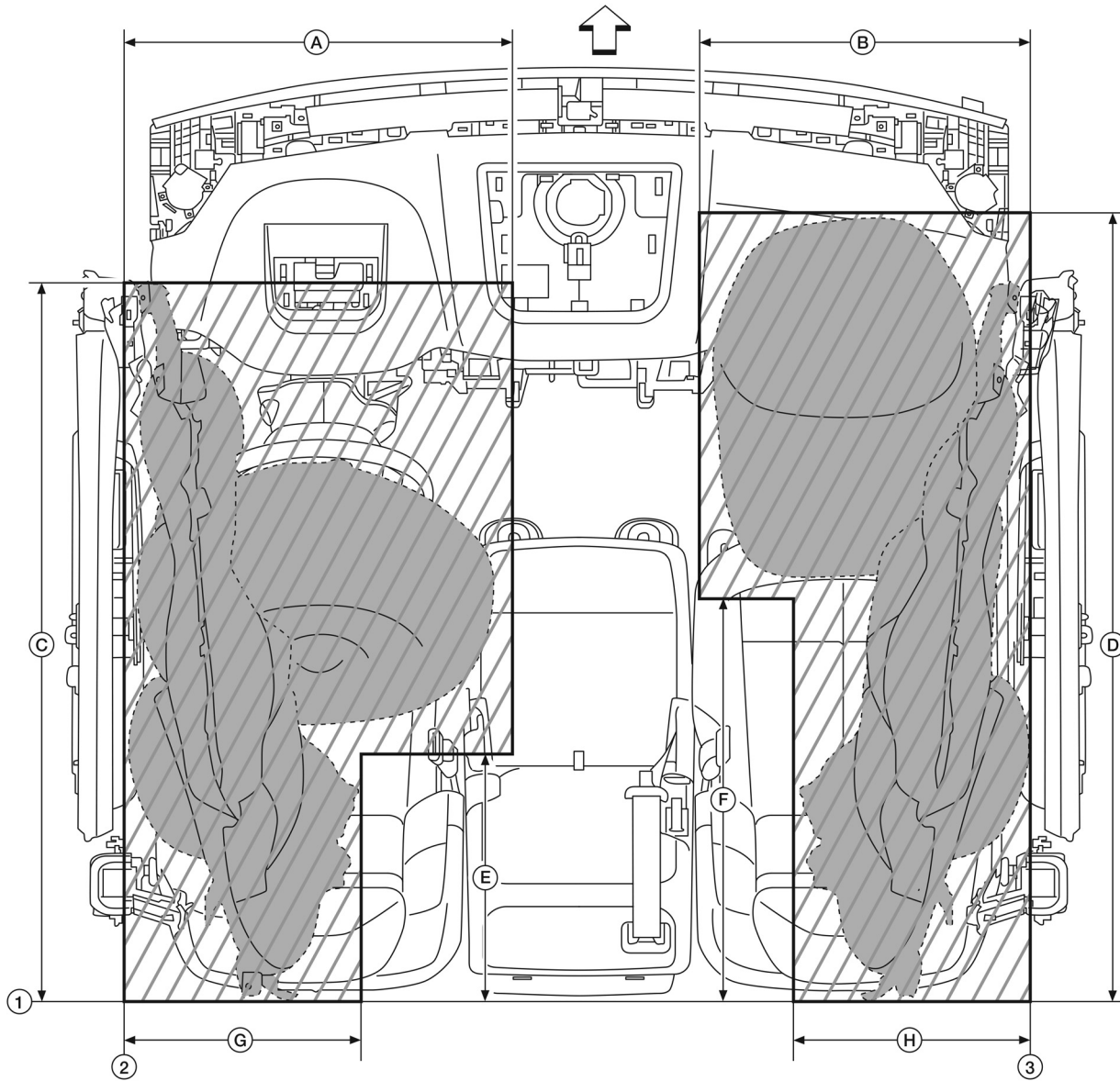
FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

AIR BAG DEPLOYMENT KEEP-OUT ZONES


Front Air Bag Keep-Out Zones — Overhead View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0849ZZ

: Front of vehicle.

1. Reference point: rear interior trim edge

A. 695 mm (27.36 in)

D. 1,413 mm (55.63 in)

G. 414 mm (16.3 in)

2. Reference point: door glass trim edge

B. 570 mm (22.44 in)

E. 436 mm (17.17 in)

H. 414 mm (16.3 in)

3. Reference point: door glass trim edge

C. 1,268 mm (49.92 in)

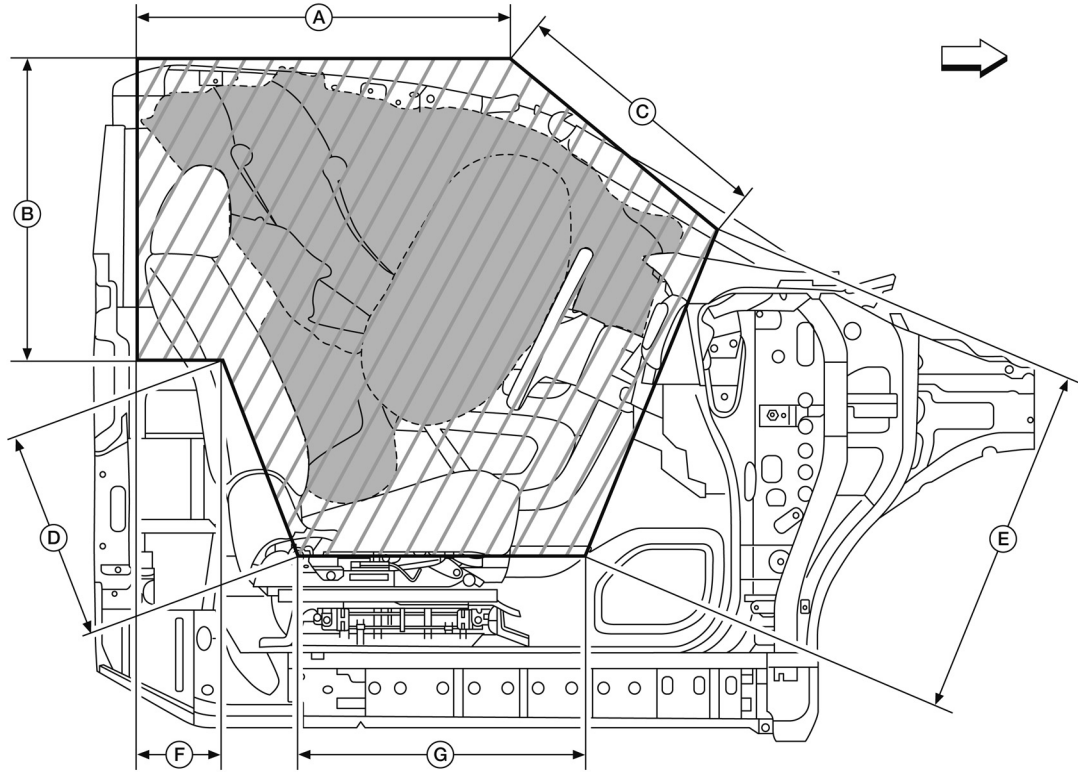
F. 709 mm (27.91 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone — Driver Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0850ZZ

: Front of vehicle.

A. 830 mm (32.68 in)

B. 658 mm (25.91 in)

C. 593 mm (23.35 in)

D. 476 mm (18.74 in)


E. 762 mm (30 in)

F. 195 mm (7.68 in)

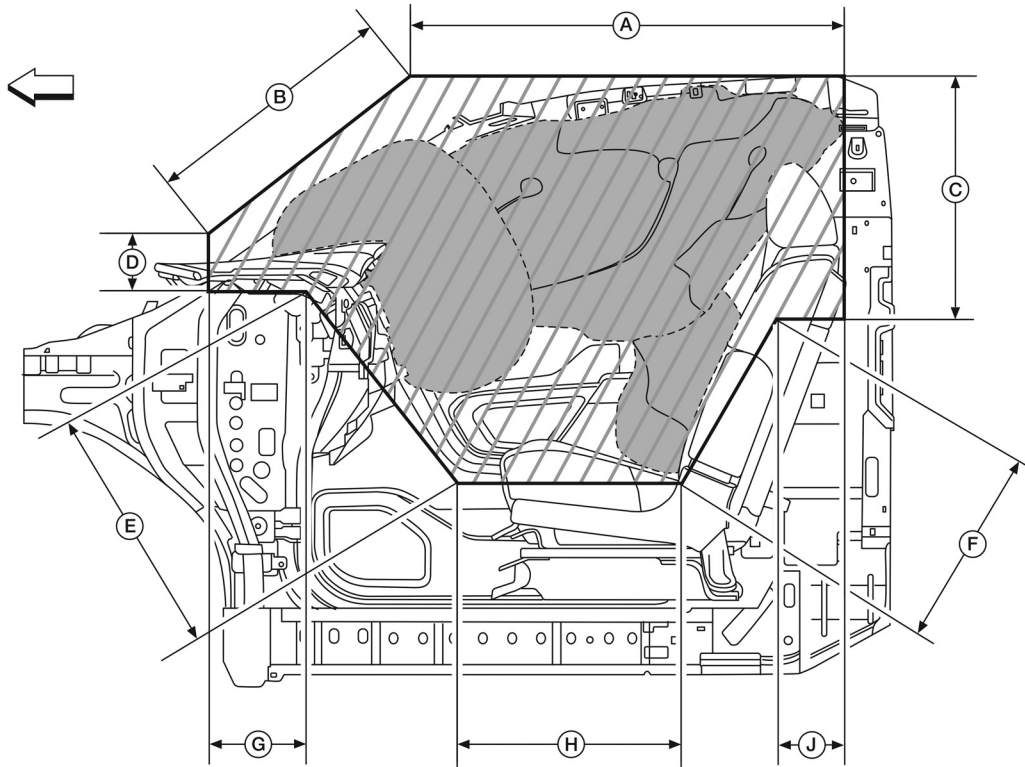
G. 637 mm (25.08 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Keep-Out Zone — Passenger Side View

 = Air Bag Deployment Keep-out Zone (No modifications in this area)

 = Air Bag Inflation Zone



AAZIA0851ZZ

: Front of vehicle.

A. 1,077 mm (42.4 in)

B. 702 mm (27.64 in)

C. 654 mm (25.75 in)

D. 154 mm (6.06 in)

E. 752 mm (29.61 in)

F. 473 mm (18.62 in)

G. 220 mm (8.66 in)

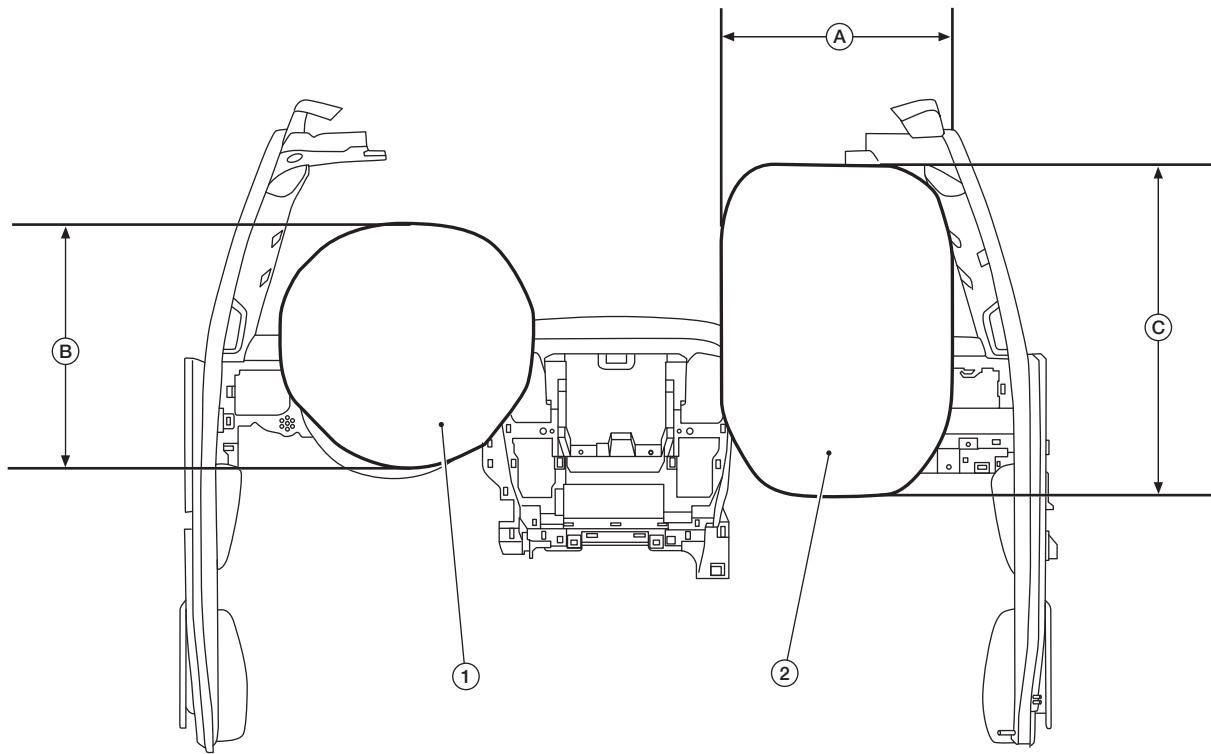
H. 523 mm (20.59 in)

J. 172 mm (6.77 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

INFLATED AIR BAG ZONE DIMENSIONS

Driver and Passenger Air Bag Inflation Zones — Forward View



AAZIA0551ZZ

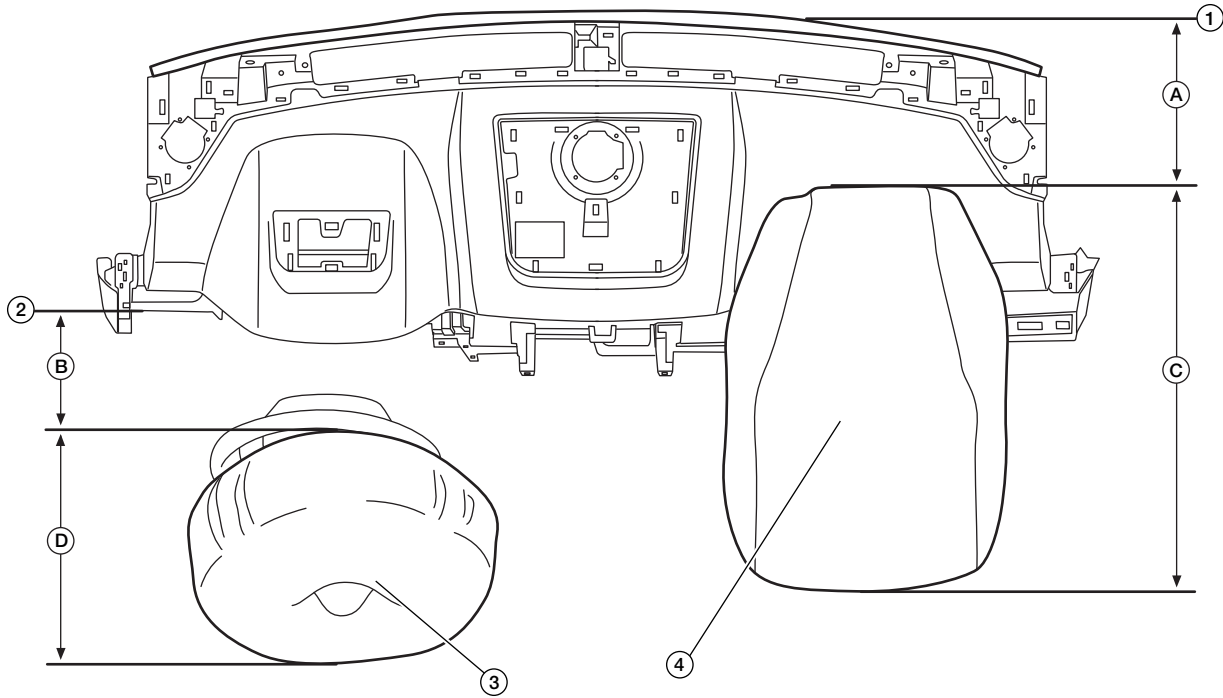
1. Maximum inflated driver air bag
B. 491 mm (19.33 in)

2. Maximum inflated front passenger air bag
C. 746 mm (29.37 in)

A. 440 mm (17.32 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Overhead View



AAZIA0553ZZ

1. Reference point: mating point of windshield and instrument panel at center line of front passenger air bag

2. Reference point: front edge of instrument panel at centerline of driver air bag module

3. Maximum inflated driver air bag

4. Maximum inflated front passenger air bag

A. 257 mm (10.12 in)

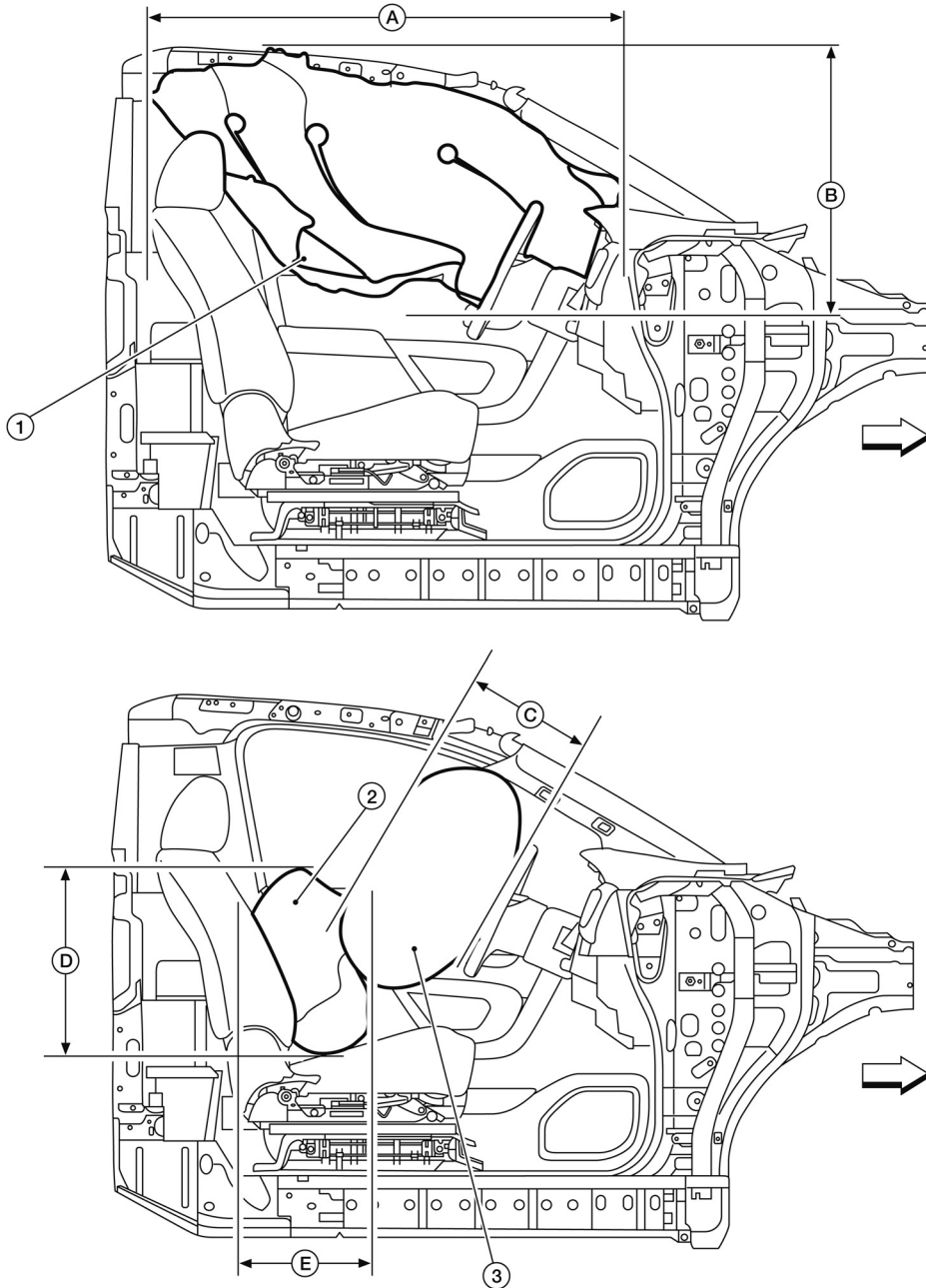
B. 198 mm (7.8 in)

C. 737 mm (29.01 in)

D. 382 mm (15.04 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Driver Side View



AAZIA0852ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

A. 1,272 mm (50.08 in)

D. 509 mm (20.04 in)

2. Maximum inflated side air bag

B. 748 mm (29.45 in)

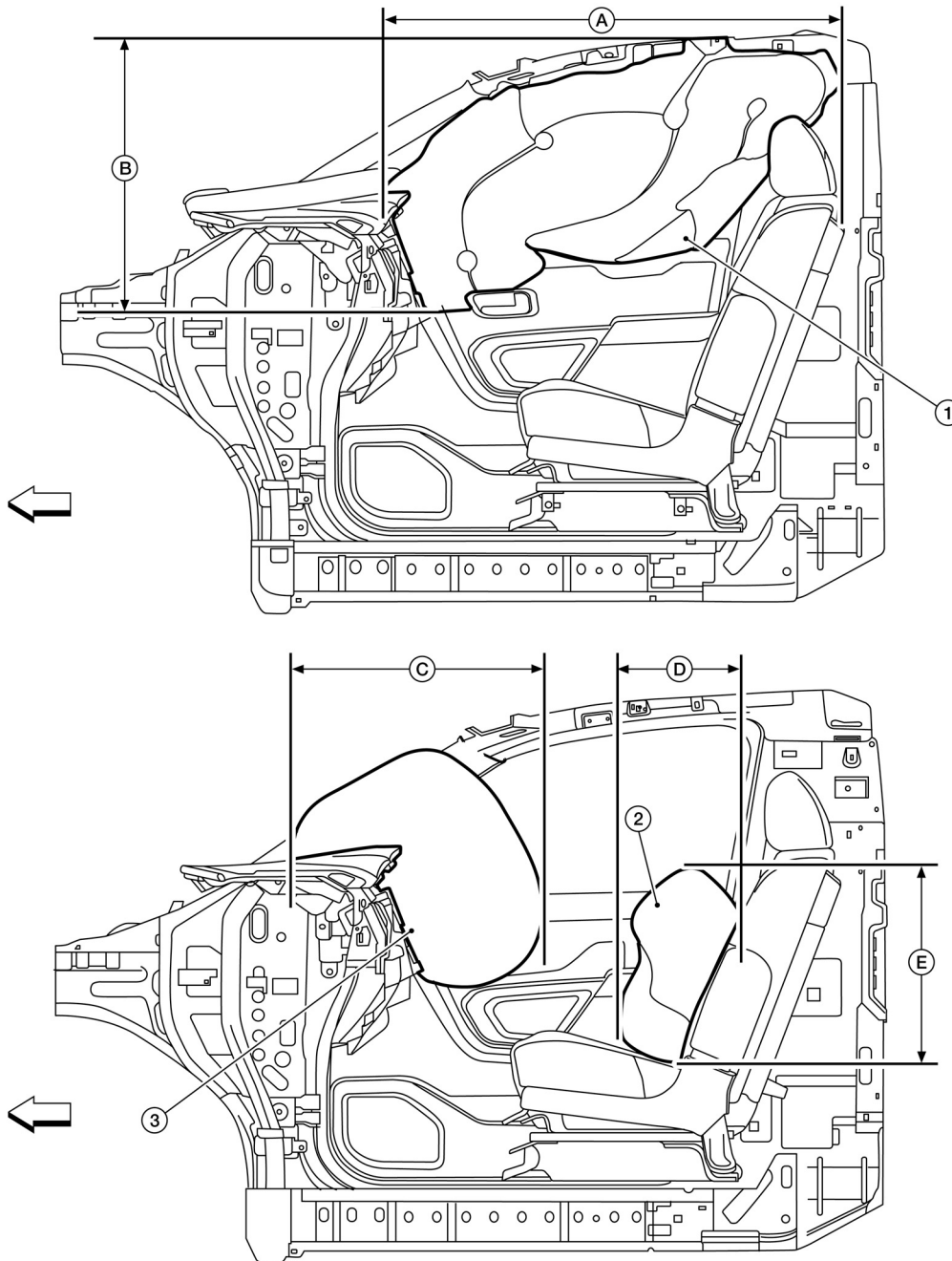
E. 321 mm (12.64 in)

3. Maximum inflated driver air bag

C. 255 mm (10.04 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Front Air Bag Inflation Zones — Passenger Side View



AAZIA0853ZZ

↔: Front of vehicle.

1. Maximum inflated side curtain air bag

A. 1,272 mm (50.08 in)

D. 321 mm (12.64 in)

2. Maximum inflated side air bag

B. 748 mm (29.45 in)

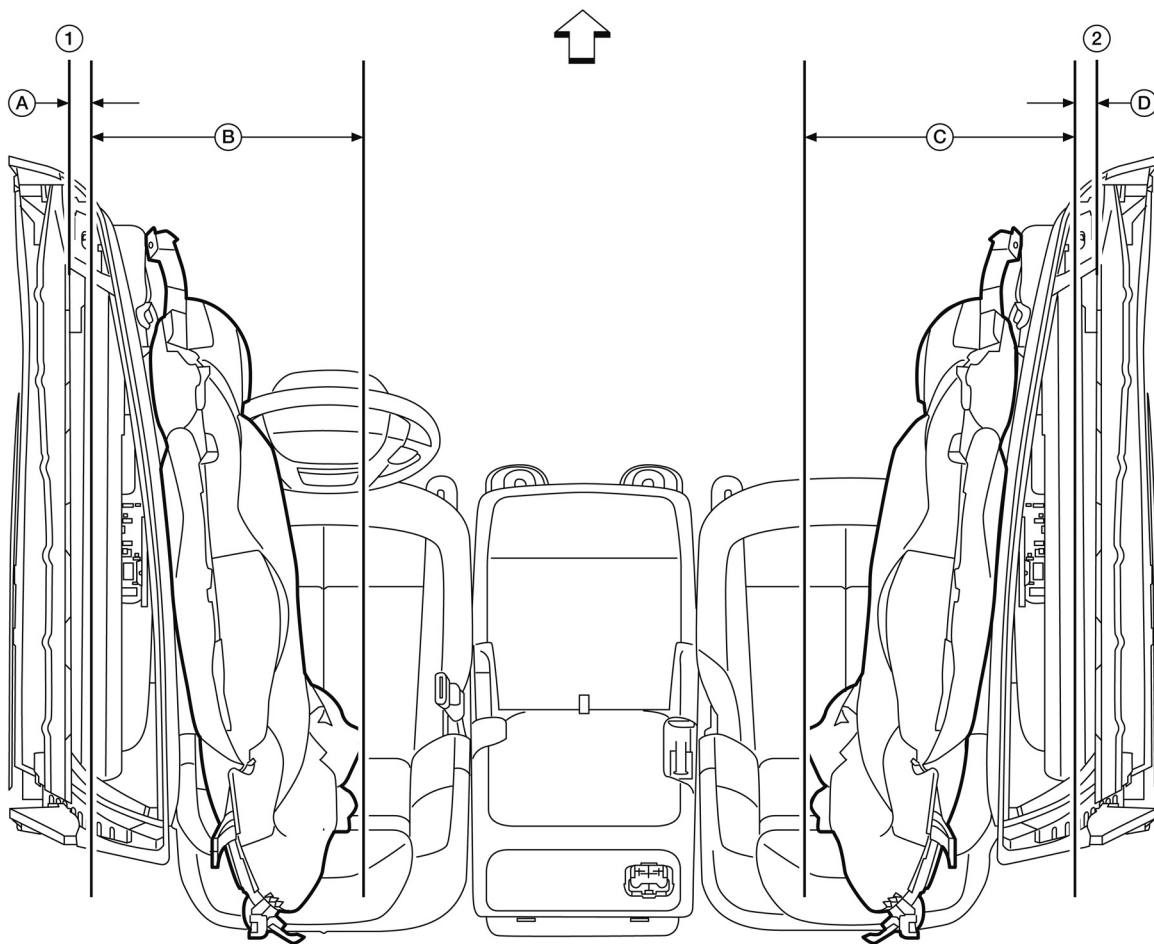
E. 509 mm (20.04 in)

3. Maximum inflated passenger air bag

C. 737 mm (29.02 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Side Curtain Air Bag Inflation Zones — Overhead View



AAZIA0835ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge

B. 483 mm (19.02 in)

2. Reference point: door glass trim edge

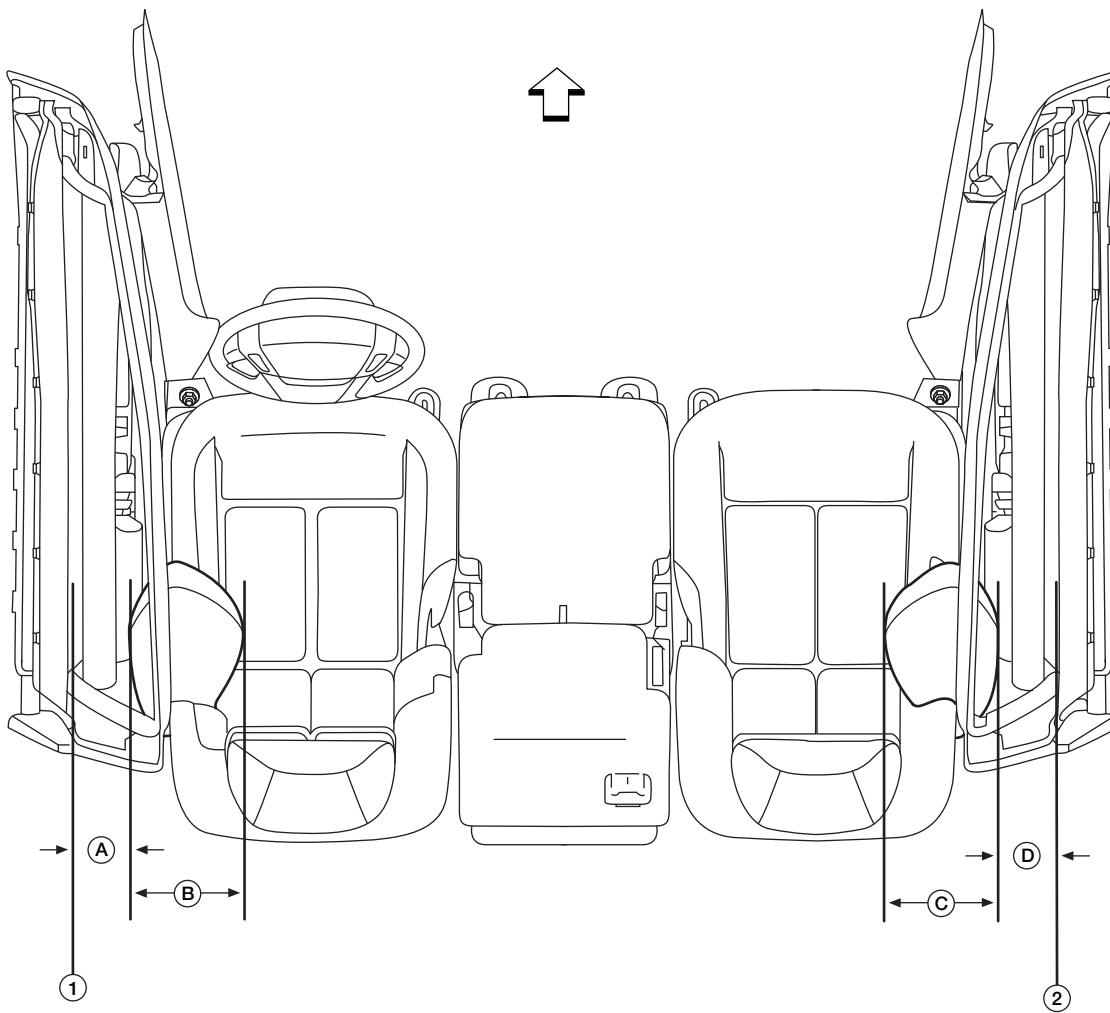
C. 483 mm (19.02 in)

A. 43 mm (1.69 in)

D. 103 mm (4.06 in)

FRONT AIR BAG DEPLOYMENT ZONES — SINGLE CAB (2017-2019 Model Years)
[SAFETY INFORMATION]

Side Air Bag Inflation Zones — Overhead View



AAZIA0552ZZ

↖: Front of vehicle.

1. Reference point: door glass trim edge
 B. 206 mm (8.11 in)

2. Reference point: door glass trim edge
 C. 206 mm (8.11 in)

A. 107 mm (4.21 in)
 D. 107 mm (4.21 in)

ALTERED VEHICLES

Safety / Emissions

Certification Labels for Altered Vehicles

USA:

A person or company who alters a previously certified vehicle before the first purchase by the final customer in such a manner that its stated weight ratings are revised, is required by Federal Regulation (49 CFR Part 567.7) to affix an Altered Vehicle Certification Label in addition to the FMVSS and CMVSS Certification Label. The label must be affixed to the vehicle in the manner and form described in 49 CFR Part 567.4:

- The label shall, unless riveted, be permanently affixed in such a manner that it cannot be removed without destroying or defacing it.
- The label shall be affixed to either the hinge pillar, B-pillar, or the door edge that meets the door-latch post next to the driver's seating position or, if none of these locations is practicable, to the left side of the instrument panel (other permissible locations are also specified in 49 CFR Part 567.4).
- The lettering on the label shall be of a color that contrasts with the background of the label.
- The label shall contain the required statements in the English language and lettered in block capitals and numerals not less than three thirty-seconds of an inch high.
- The lettering shall be permanent. If typed or written, a protective clear cover may be necessary to prevent information from being wiped off.
- Label must not cover or obscure the FMVSS or CMVSS Certification Label.

NOTE:

The National Highway Traffic Safety Administration (NHTSA) requires that any automobile dealer that installs accessories on a vehicle prior to first retail sale must install a special label ("reduced capacity label") on that vehicle if the total weight of all accessories on that vehicle exceed 1.5 percent of the vehicle's gross vehicle weight rating (GVWR) or 100 lbs., whichever is less. This includes accessories that the dealer puts on (OE and after market), AND accessories installed at the Vehicle Processing Center (VPC).

If the yellow label is applied near the tire and loading information on the driver's side B pillar, load carrying capacity shown on the yellow label supersedes previous load information.

Canada:

"Alterers" of motor vehicles are required to affix a permanent label on vehicles that they manufacture bearing a statement of compliance as provided by Section 9 of the Canadian Motor Vehicle Safety Regulations. The vehicle alterer should affix a corporate label containing information shown on this page.

- Insert the name of the company that altered the vehicle.
- Insert the month and year during which the alteration of the vehicle was completed.
- Insert a drawing of the National Safety Mark which includes their unique manufacturer number.
- Insert revised GVWR or PNBV capacities in kilograms of the vehicle as altered, where they differ from those shown on the original certification label.
- Insert the GAWR/PNBEs of the vehicle as altered, where they differ from those shown on the original certification label. Also, include the tire size, rim size and tire inflation pressure.
- Insert the vehicle type stated on the safety standard certification label provided by Nissan. The type of vehicle, in both official languages, or the word "TYPE" along with one of the following abbreviations, namely:
 - "AT/PA" to refer to an auto transporter,
 - "ATV/VTT" to refer to an all-terrain vehicle,
 - "B/A" to refer to a bus,
 - "BT/RA" to refer to a bus trailer,
 - "CD/CCC" to refer to a C-dolly,

- "CMC/MCC" to refer to a competition motorcycle,
- "LDD/CRC" to refer to a load divider dolly,
- "MH/AC" to refer to a motor home,
- "MC" to refer to a motorcycle,
- "MPV/VTUM" to refer to a multi-purpose passenger vehicle,
- "RUM/MUR" to refer to a restricted-use motorcycle,
- "SB/AS" to refer to a school bus,
- "TRA/REM" to refer to a trailer,
- "TCD/CDC" to refer to a trailer converter dolly,
- "TRU/CAM" to refer to a truck, and
- "TT/CT" to refer to a truck tractor.

The label must meet the following requirements as described in Section 9:

- Shall be permanently attached.
- Shall be affixed adjacent to the original compliance label required by Section 6.
- The lettering of the label shall be clear, indelible, indented, or embossed, or of a color that contrasts with the background color of the label, and in block capitals and numerals not less than 2.0 mm (0.1 in) high.
- The label shall be permanently affixed to the same surface as that to which the FMVSS or CMVSS label is affixed.

BRAKE COMPLIANCE GUIDELINES

Brake Compliance Guidelines (FMVSS and CMVSS 105)

The calculations and abbreviated definitions necessary for the Center of Gravity (CG) measurements are included in this manual.

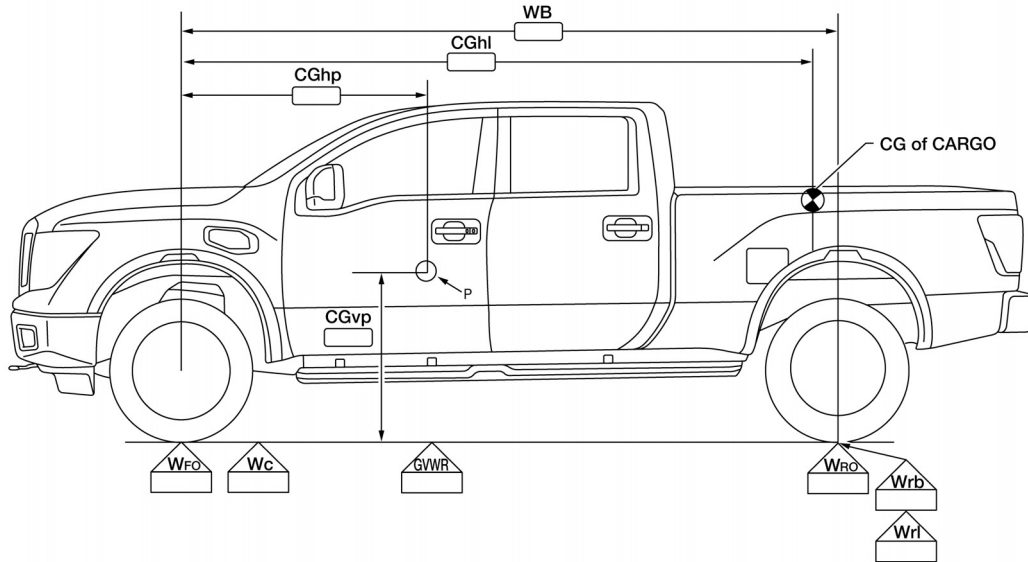
Any changes to the vehicle must still comply with FMVSS and CMVSS 105 allowing for the following provisions:

- No alterations, modifications or replacements are made to the following systems:
 - parking brake
 - anti-lock brakes
 - engine vacuum
 - steering
 - wheels or tires
 - brakes
 - indicator lamps and wiring
 - brake system reservoir labeling
 - suspension ride height or spring rate
 - engine belt drive
- The vehicle is re-balanced by the addition of an equivalent weight if components are permanently removed.
- The applicable GAWRs and GVWR weights are not exceeded.
- The applicable center of gravity limitations are met using the calculation methods in [Center of Gravity \(CG\) \(pg. 88\)](#).
- The vertical distance from the ground to the completed vehicle center of gravity should not exceed the following at Gross Vehicle Weight Rating (GVWR):
 - 950 mm (37.4 in) (crew cab diesel)
 - 990 mm (38.9 in) (crew cab gasoline)
 - 963.7 mm (37.9 in) (King Cab[®] diesel)
 - 992.9 mm (39.1 in) (King Cab[®] gasoline)
 - 964.9 mm (38.0 in) (single cab diesel)
 - 995.4 mm (39.2 in) (single cab gasoline)

CENTER OF GRAVITY (CG) – CREW CAB

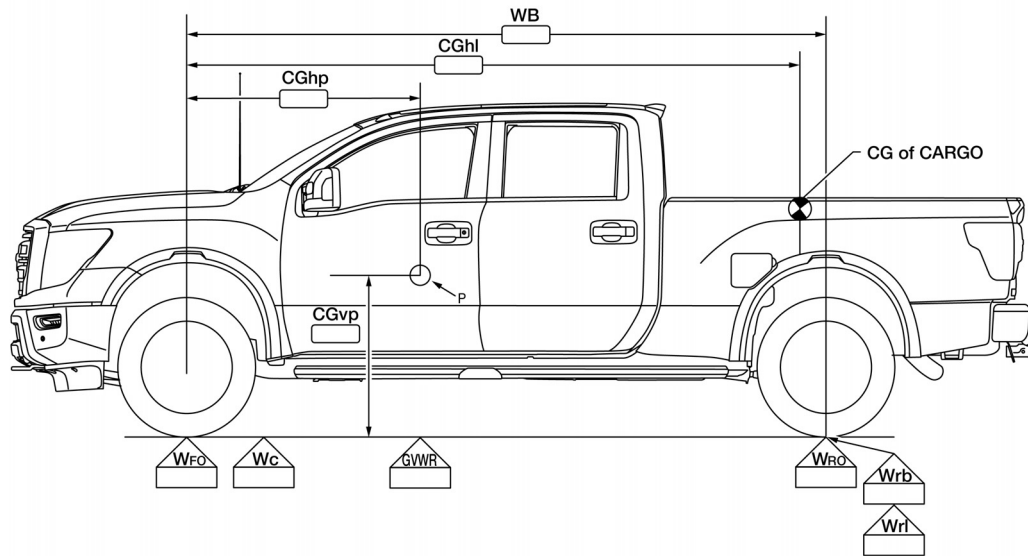
Vehicle Center of Gravity Measurement Process

Introduction (2016-2019 Model Years)



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(Starting with 2020 Model Year)



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List of Terms

Term	Definition
CG _h	Horizontal distance from the center line of the front wheels to the center of gravity of the completed vehicle [mm (in)].
CG _{hl}	Horizontal distance from the center line of the front wheels to the center of gravity of the cargo [mm (in)]. If CG _{hl} is not known, it may be estimated as the distance from the center line of the front wheels to the horizontal midpoint of the cargo area.

CENTER OF GRAVITY (CG) – CREW CAB

[SAFETY INFORMATION]

Term	Definition
CG_{hb}	Horizontal distance from the center line of the front wheels to the center of gravity of SUB and/or permanently attached equipment [mm (in)].
CG_{hp}	Horizontal distance from the center line of the front wheels to the center of gravity of the passenger load [mm (in)].
CG_v	Vertical distance from the ground to the center of gravity of the completed vehicle [mm (in)].
CG_{vb}	Vertical distance from the ground to the center of gravity of the SUB and/or permanently attached equipment [mm (in)].
CG_{vc}	Vertical distance from the ground to the center of gravity of the chassis (including cab) [mm (in)].
CG_{vl}	Vertical distance from the ground to the center of gravity of the cargo [mm (in)].
CG_{vp}	Vertical distance from the ground to the center of gravity of the passenger load [mm (in)].
GVW	Actual Gross Vehicle Weight (pounds). $GVW = W_b + W_c + W_l + P$
GVWR	Gross Vehicle Weight Rating of the vehicle [kg (lbs)].
h_f	Vertical distance between the front wheel center to ground line.
h_R	Vertical distance between the rear wheel center to ground line.
P	Two passenger load 136 kg (300 lbs).
P_f	Passenger front load distribution [kg (lbs)]. $P_f = P - P_r$
P_r	Passenger rear load distribution kg (lbs). $P_r = \frac{P \times CG_{hp}}{WB}$
SUB	A Second Unit Body (SUB) consists of the body structure and/or all the cargo carrying, work performing and/or load bearing components and/or equipment installed by a subsequent stage manufacturer.
W_b	Weight of the SUB and/or permanently attached added equipment [kg (lbs)].
WB	Vehicle wheelbase [mm (in)].
W_c	Weight of the vehicle (chassis and cab with fuel tank full), including options weight [kg (lbs)].
W_F	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{FO}	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].
W_l	Weight of the cargo [kg (lbs)].
W_p	Weight of one passenger 68 kg (150 lbs)
W_R	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{rb}	Weight at the rear wheels of the SUB and/or permanently attached added equipment [kg (lbs)].
W_{rl}	Weight at the cargo on the rear wheels [kg (lbs)].
W_{RO}	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].

This information is being used to assist upfitters in determining the vehicle center of gravity height. This has been prepared for the use of knowledgeable test engineers. It is not a how-to document for people without technical training.

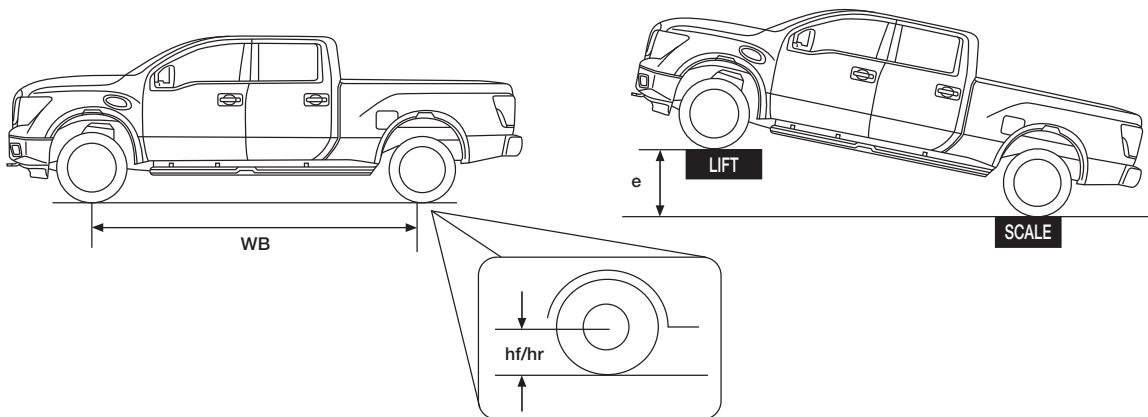
Recommended Procedure**Setup**

The following vehicle conditions should be verified prior to the measurement:

- Vehicle Mass: Unloaded Vehicle Condition – Full fluids, spare tire, jack and tire tool.
- Vehicle Posture: Unloaded Vehicle Condition – Adjust fender opening height to design value.
- Tire: Production parts shall be used. Tire pressure should be set to the specified pressure on Tire Placard once the vehicle has cooled.
- Steering Wheel: Set to center of stroke with wheels pointing forward.
- Seats: Adjust to reference position:
 - Longitudinal slide: Center of slide
 - Seat Lifter: Lowermost
 - Back angle: Set to normal driving condition or as close to 23° as possible.
- Window Glass: Fully closed.
- Other Parts: Production parts shall be used.
- Road Surface to be used: Flat load cell.
- Measurement Needed: Wheelbase, height of wheel centers from ground, lift heights, axle loads.
- Shift Position: Neutral. For safety, apply the parking brake.

Measurement Methods

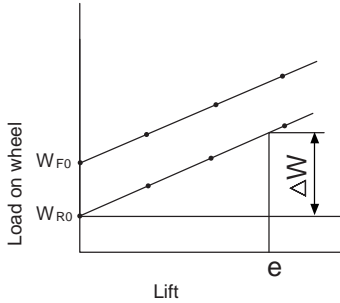
1. The vehicle should be at its unloaded vehicle condition, with full fluids and equipped with spare tire, jack and tools.
2. Measure the wheelbase of the vehicle (WB) on the left-hand and right-hand sides of the vehicle and use the average value for the calculations. Measure the height of the 4 wheel centers from the ground to get h_f and h_r .
3. Replace the shock absorbers with turnbuckles or solid link to avoid suspension travel.
4. Increase the tire air pressure to the maximum recommended level specified in tire placard or Owner's Manual.
5. Once the vehicle is on the scale, set the parking brake to prevent vehicle from rolling.
6. Measure the Rear Wheel Load (W_{RO}) in a horizontal position.
7. Raise the front of the vehicle with a hoist. Lift height should be at 0.5 m (1.6 ft) to start, with additional lift heights used to improve accuracy. (i.e., 0.5 m (1.6 ft) + a, 0.5 m (1.6 ft) + B).
8. Measure the Rear Wheel Load (W_R) with raised vehicle.
9. Change the lift height and measure the load on the rear wheel to find the relationship between lift and load. Measure two times for each lift height.
10. Follow the same procedure from (7) to (9) by raising the rear wheels.



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Analysis Method

1. Plot the relation between the lift height (e) and the load on rear wheels (W_{RO}) for raising the front wheels and the relation between the lift (e) and the load on the front wheels (W_{FO}) for raising the rear wheels. Draw a regression line for both cases with front or rear.
2. Obtain the shifted load (ΔW_{RO} and ΔW_{FO}) for the lift (e) according to the graph. ΔW_{RO} and ΔW_{FO} with e = 0.5 m (1.6 ft.) shall be representative value.
3. Calculate the CG height by using the following equations:



Front wheels raised

$$CG_v = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_F + \frac{W_{RO}}{W} (h_R - h_F)$$

Rear wheels raised

$$CG_v = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_R + \frac{W_{FO}}{W} (h_F - h_R)$$

Where,

- CG_v: Height of gravity center m (ft)
- W: Vehicle weight ($W=W_{FO}+W_{RO}$) kg (lbs)
- W_{FO}: Front wheel load (in horizontal position) kg (lbs)
- W_{RO}: Rear wheel load (in horizontal position) kg (lbs)
- e: Lift m (ft)
- ΔW : shifted load kg (lbs)
- WB: Wheelbase m (ft)
- h_F: Front wheel center height m (ft)
- h_R: Rear wheel center height m (ft)

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Results

The center of gravity height (CG_v) obtained is theoretically the same for both cases with the front or rear wheels raised. The accuracy of the results should be verified by performing several tests and averaging the results.

CENTER OF GRAVITY (CG) – CREW CAB

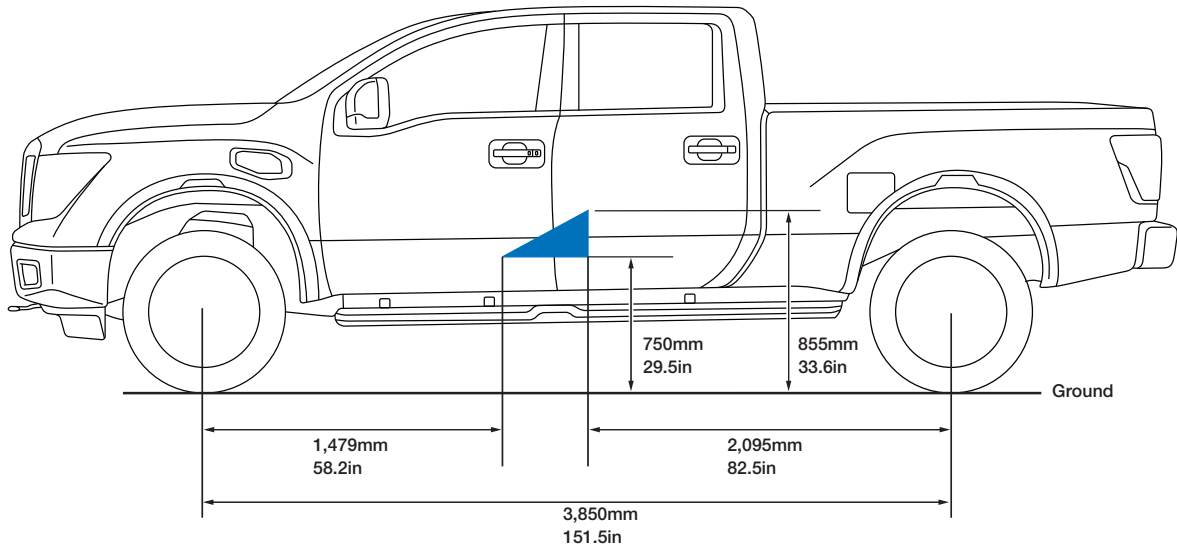
[SAFETY INFORMATION]

Vehicle Center of Gravity Envelope – Unloaded Vehicle Weight (UVW)

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

Crew Cab (Diesel)



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94 Maximum Unloaded Vehicle Weight (UVW) Resource Chart (Diesel)

The maximum UVW / ARC values are shown below.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016–2018 Model Years (Diesel)

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	389.2 (858.0)	Refer to "Max C"	2,223 (4,900)	2,223 (4,900)	1,841.4 (4,059.7)	1,202.4 (2,650.8)	3,043.8 (6,710.5)
	4WD			4,078 (8,990)	645.0 (1,422.0)	263.8 (581.6)				1,942.0 (4,281.3)	1,227.2 (2,705.6)	3,169.2 (6,986.8)
	2WD	SV Base	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	319.6 (704.6)		2,223 (4,900)	2,223 (4,900)	1,855.0 (4,089.7)	1,258.4 (2,774.2)	3,113.4 (6,863.9)
	4WD			4,078 (8,990)	645.0 (1,422.0)	194.2 (428.2)				1,955.6 (4,311.3)	1,283.2 (2,829.0)	3,238.8 (7,140.3)
	2WD	SL	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	211.9 (467.1)		2,223 (4,900)	2,223 (4,900)	1,897.0 (4,182.3)	1,324.1 (2,919.1)	3,221.1 (7,101.3)
	4WD			4,078 (8,990)	645.0 (1,422.0)	86.5 (190.7)				1,997.6 (4,403.9)	1,348.9 (2,973.9)	3,346.5 (7,377.7)
	4WD	Pro-4X	3,433 (7,568)	4,078 (8,990)	645.0 (1,422.0)	146.1 (322.1)		2,223 (4,900)	2,223 (4,900)	1,965.6 (4,333.3)	1,321.3 (4,333.3)	3,286.9 (7,246.3)
	2WD	Platinum	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	203.4 (448.4)		2,223 (4,900)	2,223 (4,900)	1,901.3 (4,191.7)	1,328.3 (2,928.3)	3,229.6 (7,120.1)
4WD	4,060 (8,950)			645.0 (1,422.0)	78.0 (172.0)	2,001.9 (4,413.3)	1,353.1 (2,983.1)			3,355.0 (7,396.5)		

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Diesel)

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S	3,433 (7,568)	3,992 (8,800)	559 (1,232)	340 (749)	Refer to "Max C"	2,223 (4,900)	2,223 (4,900)	1,869.0 (4,120.4)	1,224.4 (2,698.9)	3,093.2 (6,820.2)
	4WD			4,078 (8,990)	645 (1,422)	230 (508)				1,938.3 (4,273.3)	1,264.5 (2,787.7)	3,202.8 (7,060.9)
	2WD	SV Base		3,992 (8,800)	559 (1,232)	270 (595)				1,882.4 (4,149.9)	1,280.9 (2,823.9)	3,163.3 (6,973.9)
	4WD			4,078 (8,990)	645 (1,422)	160 (353)				1,951.7 (4,302.8)	1,321.2 (2,912.7)	3,272.9 (7,215.5)
	2WD	SL		3,992 (8,800)	559 (1,232)	163 (358)				1,924.6 (4,243.0)	1,345.9 (2,967.2)	3,270.5 (7,210.2)
	4WD			4,078 (8,990)	645 (1,422)	53 (117)				1,993.9 (4,395.8)	1,386.2 (3,056.0)	3,380.1 (7,451.8)
	4WD	Pro-4X		4,078 (8,990)	645 (1,422)	112 (246)				1,962.8 (4,327.3)	1,358.7 (2,995.3)	3,321.5 (7,322.6)
	2WD	Platinum		3,992 (8,800)	559 (1,232)	155 (341)				1,928.0 (4,250.5)	1,350.3 (2,976.9)	3,278.3 (7,227.4)
	4WD			4,060 (8,950)	645 (1,422)	44 (98)				1,998.2 (4,405.3)	1,390.4 (3,065.2)	3,388.6 (7,470.5)

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

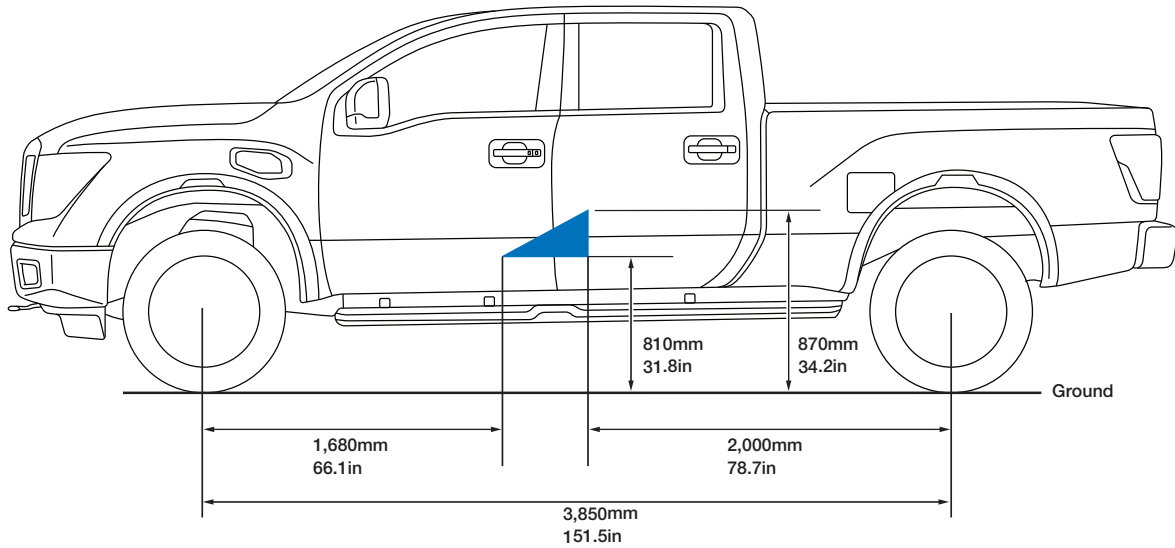
CENTER OF GRAVITY (CG) – CREW CAB

[SAFETY INFORMATION]

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

Crew Cab (Gasoline)



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Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	708.9 (1,563.0)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,561.4 (3,442.3)	1,162.6 (2,563.2)	2,724.1 (6,005.5)
	4WD		3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	586.0 (1,291.9)				1,680.4 (3,704.6)	1,166.6 (2,572.0)	2,847.0 (6,276.6)
	2WD	SV Base	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	639.3 (1,409.5)		1,962 (4,325)	2,223 (4,900)	1,575.0 (3,472.3)	1,218.6 (2,686.7)	2,793.7 (6,158.9)
	4WD			3,969 (8,750)	536.0 (1,181.7)	516.4 (1,138.4)				1,694.0 (3,734.6)	1,222.6 (2,695.5)	2,916.6 (6,430.1)
	2WD	SL	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	531.6 (1,172.1)		1,962 (4,325)	2,223 (4,900)	1,617.0 (3,564.9)	1,284.3 (2,831.5)	2,901.4 (6,396.4)
	4WD			3,960 (8,730)	527.0 (1,161.8)	408.7 (901.0)				1,736.0 (3,827.2)	1,288.3 (2,840.3)	3,024.3 (6,667.5)
	4WD	Pro-4X	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	468.3 (1,032.4)		1,962 (4,325)	2,223 (4,900)	1,704.0 (3,756.6)	1,260.7 (2,779.5)	2,964.7 (6,536.1)
	2WD	Platinum	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	523.1 (1,153.3)		1,962 (4,325)	2,223 (4,900)	1,621.3 (3,574.4)	1,288.5 (2,840.8)	2,909.9 (6,415.1)
	4WD			3,924 (8,650)	491.0 (1,082.5)	400.2 (882.2)				1,740.3 (3,36.7)	1,292.5 (2,849.6)	3,032.8 (6,686.2)

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2017-2018 Model Years (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	708.9 (1,563.0)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,561.4 (3,442.3)	1,162.6 (2,563.2)	2,724.1 (6,005.5)
	4WD			3,992 (8,800)	559.0 (1,232.4)	586.0 (1,291.9)				1,680.4 (3,704.6)	1,166.6 (2,572.0)	2,847.0 (6,276.6)
	2WD	SV Base	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	639.3 (1,409.5)		1,962 (4,325)	2,223 (4,900)	1,575.0 (3,472.3)	1,218.6 (2,686.7)	2,793.7 (6,158.9)
	4WD			3,969 (8,750)	536.0 (1,181.7)	516.4 (1,138.4)		1,962 (4,325)		1,694.0 (3,734.6)	1,222.6 (2,695.5)	2,916.6 (6,430.1)
	2WD	SL	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	531.6 (1,172.1)		1,962 (4,325)	2,223 (4,900)	1,617.0 (3,564.9)	1,284.3 (2,831.5)	2,901.4 (6,396.4)
	4WD			3,960 (8,730)	527.0 (1,161.8)	408.7 (901.0)				1,736.0 (3,827.2)	1,288.3 (2,840.3)	3,024.3 (6,667.5)
	4WD	Pro-4X	3,433 (7,568)	3,992 (8,800)	559.0 (1,232.4)	468.3 (1,032.4)		1,962 (4,325)	2,223 (4,900)	1,704.0 (3,756.6)	1,260.7 (2,779.5)	2,964.7 (6,536.1)
	2WD	Platinum	3,433 (7,568)	3,901 (8,600)	468.0 (1,031.8)	523.1 (1,153.3)		1,962 (4,325)	2,223 (4,900)	1,621.3 (3,574.4)	1,288.5 (2,840.8)	2,909.9 (6,415.1)
	4WD			3,924 (8,650)	491.0 (1,082.5)	400.2 (882.2)				1,740.3 (3,366.7)	1,292.5 (2,849.6)	3,032.8 (6,686.2)

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433 (7,568)	3,901 (8,600)	468 (1,032)	693 (1,528)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,571.2 (3,463.9)	1,168.6 (2,576.4)	2,739.8 (6,040.3)
	4WD with Standard Suspension			3,992 (8,800)	559 (1,232)	566 (1,248)				1,674.3 (3,691.2)	1,192.6 (2,629.1)	2,866.9 (6,320.4)
	4WD with HD Front GAWR Package			3,901 (8,600)	468 (1,032)	624 (1,376)				1,584.1 (3,492.4)	1,224.9 (2,700.5)	2,809.0 (6,192.9)
	2WD	SV Base		3,969 (8,750)	536 (1,182)	496 (1,094)		1,962 (4,325)		1,687.7 (3,720.8)	1,249.3 (2,754.1)	2,937.0 (6,474.9)
	4WD with Standard Suspension			3,901 (8,600)	468 (1,032)	515 (1,135)		1,627.0 (3,587.0)		1,291.3 (2,846.9)	2,918.3 (6,433.9)	
	4WD with HD Front GAWR Package			3,960 (8,730)	527 (1,162)	388 (856)		1,729.7 (3,813.4)		1,315.1 (2,899.2)	3,044.8 (6,712.6)	
	2WD	SL		3,992 (8,800)	559 (1,232)	449 (990)		1,962 (4,325)		1,697.6 (3,742.6)	1,286.6 (2,836.4)	2,984.2 (6,579.0)
	4WD			3,901 (8,600)	468 (1,032)	506 (1,116)				1,631.3 (3,596.4)	1,295.5 (2,856.2)	2,926.8 (6,452.6)
	4WD	Pro-4X		3,924 (8,650)	491 (1,082)	380 (837)		1,734.0 (3,822.8)		1,319.3 (2,908.5)	3,053.3 (6,731.3)	
	2WD	Platinum										
	4WD											

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2020 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model				UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Market	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	USA	4WD with Standard Suspension	S	3,433 (7,568)	3,992 (8,800)	559 (1,232)	527 (1,161)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,687.8 (3,721.0)	1,218.6 (2,686.5)	2,906.4 (6,407.4)
	CANADA					536 (1,182)	550 (1,212)				1,690.4 (3,726.7)	1,192.8 (2,629.6)	2,883.2 (6,356.3)
	USA	4WD with HD Front GAWR Package	559 (1,232)			527 (1,161)	2,223 (4,900)		1,687.8 (3,721.0)		1,218.6 (2,686.5)	2,906.4 (6,407.4)	
	USA	4WD with Standard Suspension	SV Base			3,969 (8,750)	461 (1,016)		1,962 (4,325)		1,706.0 (3,761.1)	1,266.3 (2,791.6)	2,972.3 (6,552.7)
	CANADA						484 (1,067)				1,698.0 (3,743.5)	1,251.0 (2,757.9)	2,949.0 (6,501.4)
	USA	4WD with HD Front GAWR Package	461 (1,016)			2,223 (4,900)	1,706.0 (3,761.1)		1,266.3 (2,791.6)		2,972.3 (6,552.7)		
	USA	4WD	SL	3,960 (8,730)	527 (1,162)	369 (814)	1,745.3 (3,847.8)	1,318.5 (2,906.7)	3,063.8 (6,754.4)				
	CANADA				559 (1,232)	376 (829)				1,742.4 (3,841.4)	1,314.7 (2,898.3)	3,057.1 (6,739.7)	
	USA	4WD	Pro-4X	3,992 (8,800)	399 (880)	1,962 (4,325)	1,721.8 (3,795.9)	1,311.9 (2,892.1)	3,033.7 (6,688.1)				
	CANADA				399 (880)		1,721.7 (3,795.7)	1,312.3 (2,893.0)	3,034.0 (6,688.7)				
	USA	4WD	Plati- num	3,924 (8,650)	491 (1,082)	328 (723)	1,745.8 (3,848.9)	1,359.2 (2,996.4)	3,105.1 (6,845.3)				
	CANADA				364 (803)	1,748.4 (3,854.6)	1,320.6 (2,911.3)	3,069.0 (6,765.9)					

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2021 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model				UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)			
Engine	Market	Drive	Model Grade *1						Front	Rear	Front	Rear	Total	
VK56VD	USA	4WD with Standard Suspension	S	3,433 (7,568)	3,992 (8,800)	559 (1,232)	529 (1,166)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,686.5 (3,718.1)	1,217.5 (2,684.0)	2,904.0 (6,402.1)	
	CANADA					536 (1,182)	552 (1,216)				1,689.8 (3,725.4)	1,191.6 (2,626.9)	2,881.4 (6,352.3)	
	USA	4WD with HD Front GAWR Package				559 (1,232)	529 (1,166)				2,223 (4,900)	1,686.5 (3,718.1)	1,217.5 (2,684.0)	2,904.0 (6,402.1)
	USA	4WD with Standard Suspension				536 (1,182)	481 (1,061)				1,962 (4,325)	1,697.5 (3,742.4)	1,254.1 (2,764.7)	2,951.6 (6,507.1)
	CANADA		559 (1,232)		483 (1,065)	1,700.0 (3,747.9)	1,250.1 (2,755.9)		2,950.1 (6,503.8)					
	USA	4WD with HD Front GAWR Package	SV Base		3,969 (8,750)	536 (1,182)	481 (1,061)		2,223 (4,900)		1,697.5 (3,742.4)	1,254.1 (2,764.7)	2,951.6 (6,507.1)	
	USA	4WD			SL	3,960 (8,730)	527 (1,162)				375 (827)	1,962 (4,325)	1,742.0 (3,840.5)	1,315.9 (2,901.0)
	USA	4WD	Pro-4X		3,960 (8,730)	527 (1,162)	402 (886)		1,720.5 (3,793.1)		1,310.8 (2,889.7)		3,031.3 (6,682.8)	
	CANADA				3,992 (8,800)	559 (1,232)	398 (878)		1,723.0 (3,798.6)		1,312.0 (2,892.4)		3,035.0 (6,691.0)	
	USA				4WD	Plati- num	3,924 (8,650)		491 (1,082)		330 (728)		1,744.7 (3,846.4)	1,358.3 (2,994.4)
CANADA	329 (725)	1,745.4 (3,848.0)	1,358.9 (2,995.8)	3,104.3 (6,843.7)										

*1: Wheelbase for all model grades is 3,850 mm (151.57 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

The CG_{hb} can be approximated using the following formula:

$$CG_{hb} = \frac{W_{rb} \times WB}{W_b}$$

The Max C can be approximated using the following formula:

$$Max\ C = \frac{(FR\ GAWR - W_{FO} - P_f) \times WB}{WB - CG_{hb}}$$

After calculating Max C, GVW can be confirmed using the following formula:

$$GVW = W_c + W_b + Max\ C + P$$

If GVW is greater than GVWR, then Max C **must be reduced**

FMVSS/CMVSS 126 Electronic Stability Control Systems and FMVSS/CMVSS 135 Light Vehicle Brake Systems

For Body Builder’s use and applicable to FMVSS/CMVSS 126 (1) and 135 (2), the vertical vehicle center of gravity location can be approximated by following the formula below:

$$(1) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b}{W_c + W_b}$$

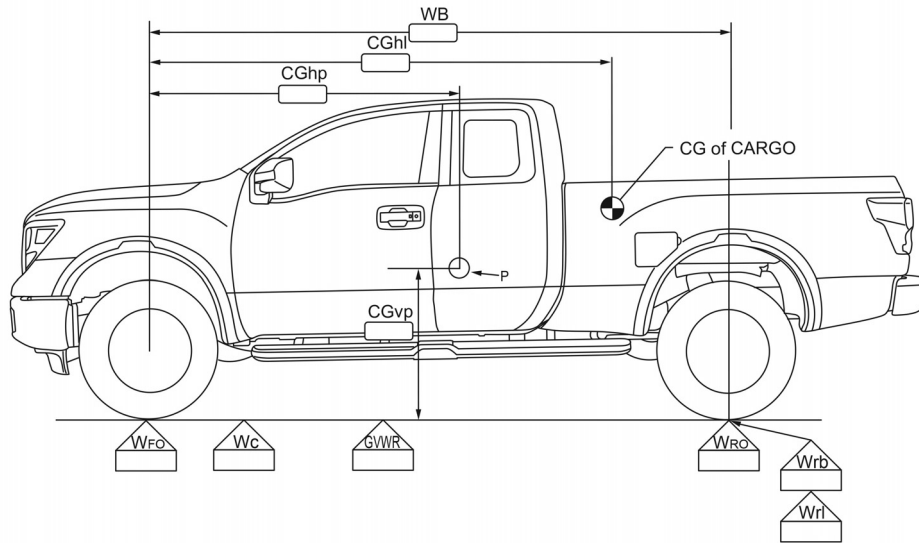
$$(2) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b + CG_{vp} W_p}{W_c + W_b + W_p}$$

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CENTER OF GRAVITY (CG) – KING CAB® (2017-2019 Model Years)

Vehicle Center of Gravity Measurement Process

Introduction



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List of Terms

Term	Definition
CG _h	Horizontal distance from the center line of the front wheels to the center of gravity of the completed vehicle [mm (in)].
CG _{hl}	Horizontal distance from the center line of the front wheels to the center of gravity of the cargo [mm (in)]. If CG _{hl} is not known, it may be estimated as the distance from the center line of the front wheels to the horizontal midpoint of the cargo area.
CG _{hb}	Horizontal distance from the center line of the front wheels to the center of gravity of SUB and/or permanently attached equipment [mm (in)].
CG _{hp}	Horizontal distance from the center line of the front wheels to the center of gravity of the passenger load [mm (in)].
CG _v	Vertical distance from the ground to the center of gravity of the completed vehicle [mm (in)].
CG _{vb}	Vertical distance from the ground to the center of gravity of the SUB and/or permanently attached equipment [mm (in)].
CG _{vc}	Vertical distance from the ground to the center of gravity of the chassis (including cab) [mm (in)].
CG _{vl}	Vertical distance from the ground to the center of gravity of the cargo [mm (in)].
CG _{vp}	Vertical distance from the ground to the center of gravity of the passenger load [mm (in)].
GVW	Actual Gross Vehicle Weight (pounds). $GVW = W_b + W_c + W_l + P$
GVWR	Gross Vehicle Weight Rating of the vehicle [kg (lbs)].
h _f	Vertical distance between the front wheel center to ground line.
h _R	Vertical distance between the rear wheel center to ground line.
P	Two passenger load 136 kg (300 lbs).

Term	Definition
P_f	Passenger front load distribution [kg (lbs)]. $P_f = P - P_r$
P_r	Passenger rear load distribution kg (lbs). $P_r = \frac{P \times CG_{hp}}{WB}$
SUB	A Second Unit Body (SUB) consists of the body structure and/or all the cargo carrying, work performing and/or load bearing components and/or equipment installed by a subsequent stage manufacturer.
W_b	Weight of the SUB and/or permanently attached added equipment [kg (lbs)].
WB	Vehicle wheelbase [mm (in)].
W_c	Weight of the vehicle (chassis and cab with fuel tank full), including options weight [kg (lbs)].
W_F	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{FO}	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].
W_l	Weight of the cargo [kg (lbs)].
W_p	Weight of one passenger 68 kg (150 lbs)
W_R	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{rb}	Weight at the rear wheels of the SUB and/or permanently attached added equipment [kg (lbs)].
W_{rl}	Weight at the cargo on the rear wheels [kg (lbs)].
W_{RO}	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].

This information is being used to assist upfitters in determining the vehicle center of gravity height. This has been prepared for the use of knowledgeable test engineers. It is not a how-to document for people without technical training.

Recommended Procedure

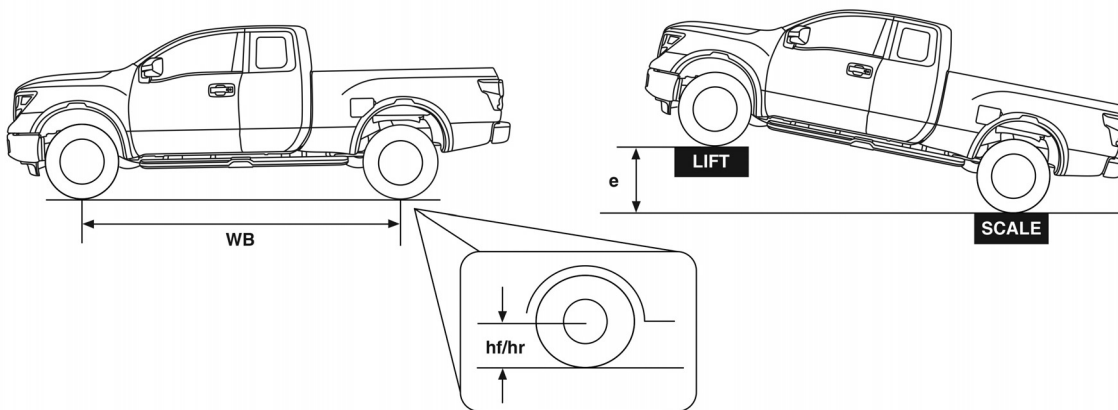
Setup

The following vehicle conditions should be verified prior to the measurement:

- Vehicle Mass: Unloaded Vehicle Condition – Full fluids, spare tire, jack and tire tool.
- Vehicle Posture: Unloaded Vehicle Condition – Adjust fender opening height to design value.
- Tire: Production parts shall be used. Tire pressure should be set to the specified pressure on Tire Placard once the vehicle has cooled.
- Steering Wheel: Set to center of stroke with wheels pointing forward.
- Seats: Adjust to reference position:
 - Longitudinal slide: Center of slide
 - Seat Lifter: Lowermost
 - Back angle: Set to normal driving condition or as close to 23° as possible.
- Window Glass: Fully closed.
- Other Parts: Production parts shall be used.
- Road Surface to be used: Flat load cell.
- Measurement Needed: Wheelbase, height of wheel centers from ground, lift heights, axle loads.
- Shift Position: Neutral. For safety, apply the parking brake.

Measurement Methods

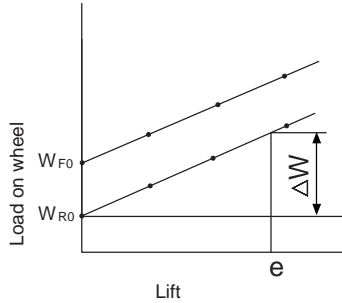
1. The vehicle should be at its unloaded vehicle condition, with full fluids and equipped with spare tire, jack and tools.
2. Measure the wheelbase of the vehicle (WB) on the left-hand and right-hand sides of the vehicle and use the average value for the calculations. Measure the height of the 4 wheel centers from the ground to get h_f and h_r .
3. Replace the shock absorbers with turnbuckles or solid link to avoid suspension travel.
4. Increase the tire air pressure to the maximum recommended level specified in tire placard or Owner's Manual.
5. Once the vehicle is on the scale, set the parking brake to prevent vehicle from rolling.
6. Measure the Rear Wheel Load (W_{RO}) in a horizontal position.
7. Raise the front of the vehicle with a hoist. Lift height should be at 0.5 m (1.6 ft) to start, with additional lift heights used to improve accuracy. (i.e., 0.5 m (1.6 ft) + a, 0.5 m (1.6 ft) + B).
8. Measure the Rear Wheel Load (W_R) with raised vehicle.
9. Change the lift height and measure the load on the rear wheel to find the relationship between lift and load. Measure two times for each lift height.
10. Follow the same procedure from (7) to (9) by raising the rear wheels.



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Analysis Method

1. Plot the relation between the lift height (e) and the load on rear wheels (W_{RO}) for raising the front wheels and the relation between the lift (e) and the load on the front wheels (W_{FO}) for raising the rear wheels. Draw a regression line for both cases with front or rear.
2. Obtain the shifted load (ΔW_{RO} and ΔW_{FO}) for the lift (e) according to the graph. ΔW_{RO} and ΔW_{FO} with e = 0.5 m (1.6 ft.) shall be representative value.
3. Calculate the CG height by using the following equations:



Front wheels raised

$$CG_V = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_F + \frac{W_{RO}}{W} (h_R - h_F)$$

Rear wheels raised

$$CG_V = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_R + \frac{W_{FO}}{W} (h_F - h_R)$$

Where,

- CG_v: Height of gravity center m (ft)
- W: Vehicle weight ($W=W_{FO}+W_{RO}$) kg (lbs)
- W_{FO}: Front wheel load (in horizontal position) kg (lbs)
- W_{RO}: Rear wheel load (in horizontal position) kg (lbs)
- e: Lift m (ft)
- ΔW: shifted load kg (lbs)
- WB: Wheelbase m (ft)
- h_F: Front wheel center height m (ft)
- h_R: Rear wheel center height m (ft)

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Results

The center of gravity height (CG_v) obtained is theoretically the same for both cases with the front or rear wheels raised. The accuracy of the results should be verified by performing several tests and averaging the results.

CENTER OF GRAVITY (CG) – KING CAB® (2017-2019 Model Years)

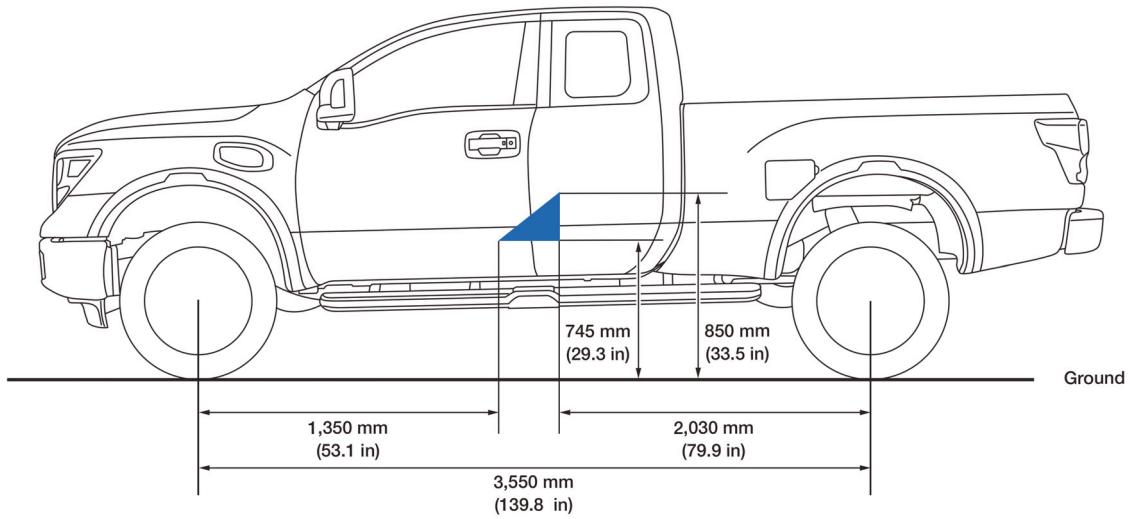
[SAFETY INFORMATION]

Vehicle Center of Gravity Envelope – Unloaded Vehicle Weight (UVW)

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

King Cab® (Diesel)



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Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016-2018 Model Years (Diesel)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S	3,433 (7,568)	3,992 (8,800.8)	1,039 (2,290.6)	481 (1,060.43)	Refer to "Max C"	2,223 (4,900.8)	2,223 (4,900.8)	1,765 (3,891.2)	1,187 (2,616.8)	2,952 (6,508)
	4WD			4,078 (8,990.4)	963 (2,123)	318 (701)				1,919 (4,230.6)	1,197 (2,638.9)	3,115 (6,867.3)
	2WD	SV	3,433 (7,568)	3,992 (8,800.8)	969 (2,136.2)	410 (903.8)		2,223 (4,900.8)	2,223 (4,900.8)	1,779 (3,922)	1,244 (2,742.5)	3,023 (6,664.5)
	4WD			4,078 (8,990.4)	892 (1,966.5)	247 (544.5)				1,933 (4,261.5)	1,252 (2,760.1)	3,186 (7,023.9)
	4WD	Pro-4X	3,433 (7,568)	4,078 (8,990.4)	848 (1,869.5)	203 (447.5)		2,223 (4,900.8)	2,223 (4,900.8)	1,942 (4,281.3)	1,288 (2,839.5)	3,230 (7,120.9)

*1: Wheelbase for all model grades is 3,550 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Diesel)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S With Rear Seating	3,433 (7,568)	3,992 (8,800)	559 (1,232)	466 (1,027)	Refer to "Max C"	2,223 (4,900)	2,223 (4,900)	1,771.9 (3,906.3)	1,195.5 (2,635.6)	2,967.3 (6,541.9)
		S With Rear Seat Delete		3,221 (7,100)	559 (1,232)	507 (1,118)		1,724 (3,800)	1,820 (4,012)	1,754.6 (3,868.1)	1,171.2 (2,582.0)	2,925.7 (6,450.2)
	4WD	S With Rear Seating		4,078 (8,990)	645 (1,422)	303 (667)		2,223 (4,900)	2,223 (4,900)	1,897.7 (4,183.7)	1,232.6 (2,717.3)	3,130.2 (6,901.0)
		S With Rear Seat Delete		3,311 (7,300)	645 (1,422)	344 (759)		1,724 (3,800)	1,820 (4,012)	1,880.4 (4,145.5)	1,208.3 (2,663.8)	3,088.6 (6,809.3)
	2WD	SV With Rear Seating		3,992 (8,800)	559 (1,232)	395 (871)		2,223 (4,900)	2,223 (4,900)	1,785.8 (3,936.9)	1,252.4 (2,761.0)	3,038.1 (6,698.0)
		SV With Rear Seat Delete		3,221 (7,100)	559 (1,232)	436 (962)		1,724 (3,800)	1,820 (4,012)	1,768.5 (3,898.8)	1,228.1 (2,707.5)	2,996.5 (6,606.2)
	4WD	SV With Rear Seating		4,078 (8,990)	645 (1,422)	232 (511)		2,223 (4,900)	2,223 (4,900)	1,912.1 (4,215.4)	1,289.0 (2,841.7)	3,201.0 (7,057.1)
		SV With Rear Seat Delete		3,311 (7,300)	645 (1,422)	274 (603)		1,724 (3,800)	1,820 (4,012)	1,894.8 (4,177.3)	1,264.7 (2,788.1)	3,159.4 (6,965.4)
	4WD	Pro-4X		4,078 (8,990)	645 (1,422)	186 (411)		2,223 (4,900)	2,223 (4,900)	1,922.1 (4,237.5)	1,324.7 (2,920.4)	3,246.7 (7,157.8)

*1: Wheelbase for all model grades is 3,550 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

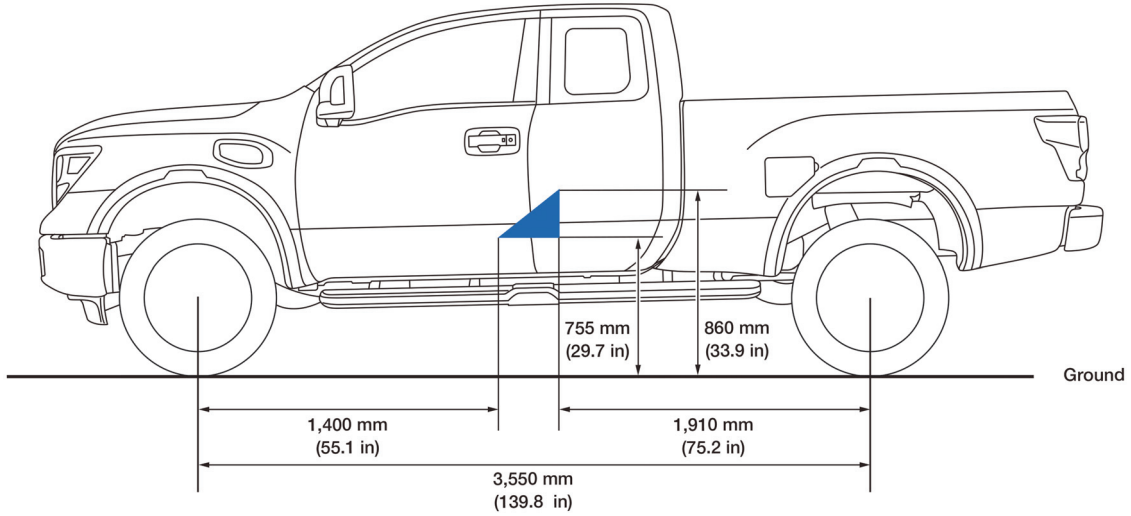
CENTER OF GRAVITY (CG) – KING CAB® (2017-2019 Model Years)

[SAFETY INFORMATION]

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

King Cab® (Gasoline)



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Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016-2018 Model Years(Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433 (7,568.4)	3,901 (8,600.2)	1,231 (2,713.8)	763 (1,682.1)	Refer to "Max C"	1,962 (4,325.4)	2,365 (4,900.8)	1,481 (3,265)	1,190 (2,623.5)	2,670 (5,886.3)
	4WD			3,992 (8,800.8)	1,164 (2,566.1)	606 (1,336)				1,647 (3,361)	1,180 (2,601.4)	2,827 (6,232.4)
	2WD	SV	3,433 (7,568.4)	3,901 (8,600.2)	1,160 (2,557.3)	692 (1,525.6)		1,962 (4,325.4)	2,365 (4,900.8)	1,495 (3,295.9)	1,246 (2,756.9)	2,741 (6,042.8)
	4WD			3,992 (8,800.8)	1,094 (2,411.8)	535 (1,179.4)				1,662 (3,664)	1,236 (2,724.9)	2,898 (6,388.9)
	4WD	Pro-4X	3,433 (7,568.4)	3,992 (8,800.8)	1,049 (2,312.6)	491 (1,082.4)		1,962 (4,325.4)	2,365 (4,900.8)	1,671 (3,683.9)	1,271 (2,802)	2,942 (6,486)

*1: Wheelbase for all model grades is 3,550 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S With Rear Seating	3,433 (7,568)	3,901 (8,600)	468 (1,032)	757 (1,668)	Refer to "Max C"	1,962 (4,325)	2,365 (5,213)	1,523.7 (3,359.1)	1,152.8 (2,541.4)	2,676.5 (5,900.6)
		S With Rear Seat Delete		3,221 (7,100)	468 (1,032)	797 (1,756)		1,724 (3,800)	1,820 (4,012)	1,507.3 (3,323.0)	1,129.1 (2,489.2)	2,636.4 (5,812.2)
	4WD with Standard Suspension	S With Rear Seating		3,992 (8,800)	559 (1,232)	618 (1,361)		1,962 (4,325)	2,365 (5,213)	1,641.5 (3,619.0)	1,173.9 (2,588.0)	2,815.4 (6,207.0)
	4WD with HD Front GAWR Package							2,223 (4,900)				
	4WD with Standard Suspension	S With Rear Seat Delete		3,311 (7,300)	559 (1,232)	660 (1,455)		1,724 (3,800)	1,820 (4,012)	1,623.8 (3,580.0)	1,149.4 (2,534.0)	2,773.2 (6,113.9)
	2WD	SV With Rear Seating		3,901 (8,600)	468 (1,032)	687 (1,515)		1,962 (4,325)	2,365 (5,213)	1,536.7 (3,387.8)	1,209.1 (2,665.6)	2,745.8 (6,053.3)
		SV With Rear Seat Delete						1,724 (3,800)				
	4WD with Standard Suspension	SV With Rear Seating		3,992 (8,800)	559 (1,232)	547 (1,205)		1,962 (4,325)	2,365 (5,213)	1,655.4 (3,649.6)	1,230.8 (2,713.4)	2,886.2 (6,363.1)
	4WD with HD Front GAWR Package							2,223 (4,900)				
	4WD with Standard Suspension	SV With Rear Seat Delete		3,311 (7,300)	559 (1,232)	589 (1,298)		1,724 (3,800)	1,820 (4,012)	1,637.7 (3,610.6)	1,206.3 (2,659.4)	2,844.0 (6,270.0)
	4WD	Pro-4X		3,992 (8,800)	559 (1,232)	501 (1,105)		1,962 (4,325)	2,365 (5,213)	1,665.9 (3,672.8)	1,266.0 (2,791.0)	2,931.9 (6,463.8)

*1: Wheelbase for all model grades is 3,550 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

The CG_{hb} can be approximated using the following formula:

$$CG_{hb} = \frac{W_{rb} \times WB}{W_b}$$

The Max C can be approximated using the following formula:

$$Max\ C = \frac{(FR\ GAWR - W_{FO} - P_f) \times WB}{WB - CG_{hb}}$$

After calculating Max C, GVW can be confirmed using the following formula:

$$GVW = W_c + W_b + Max\ C + P$$

If GVW is greater than GVWR, then Max C **must be reduced**

FMVSS/CMVSS 126 Electronic Stability Control Systems and FMVSS/CMVSS 135 Light Vehicle Brake Systems

For Body Builder's use and applicable to FMVSS/CMVSS 126 (1) and 135 (2), the vertical vehicle center of gravity location can be approximated by following the formula below:

$$(1) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b}{W_c + W_b}$$

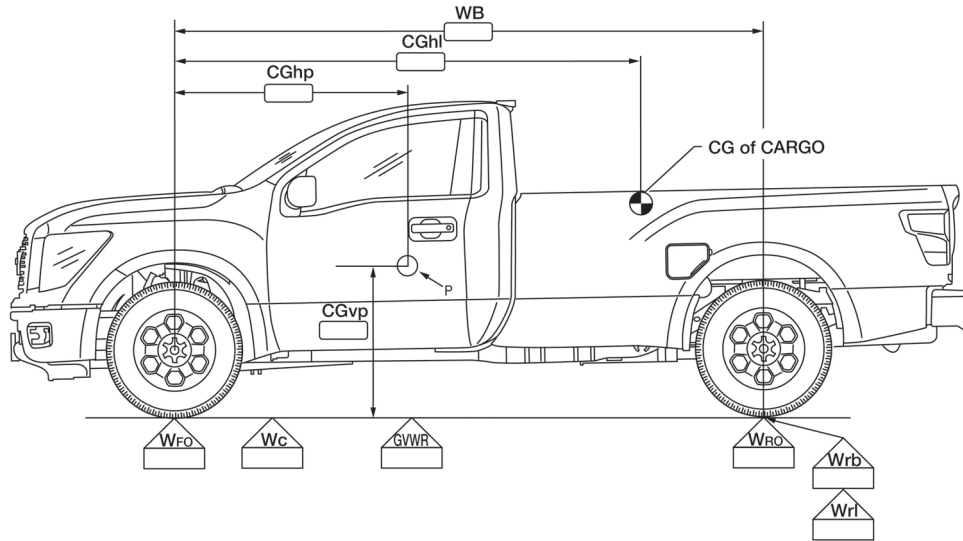
$$(2) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b + CG_{vp} W_p}{W_c + W_b + W_p}$$

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CENTER OF GRAVITY (CG) – SINGLE CAB

Vehicle Center of Gravity Measurement Process

Introduction



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List of Terms

Term	Definition
CG_h	Horizontal distance from the center line of the front wheels to the center of gravity of the completed vehicle [mm (in)].
CG_{hl}	Horizontal distance from the center line of the front wheels to the center of gravity of the cargo [mm (in)]. If CG_{hl} is not known, it may be estimated as the distance from the center line of the front wheels to the horizontal midpoint of the cargo area.
CG_{hb}	Horizontal distance from the center line of the front wheels to the center of gravity of SUB and/or permanently attached equipment [mm (in)].
CG_{hp}	Horizontal distance from the center line of the front wheels to the center of gravity of the passenger load [mm (in)].
CG_v	Vertical distance from the ground to the center of gravity of the completed vehicle [mm (in)].
CG_{vb}	Vertical distance from the ground to the center of gravity of the SUB and/or permanently attached equipment [mm (in)].
CG_{vc}	Vertical distance from the ground to the center of gravity of the chassis (including cab) [mm (in)].
CG_{vl}	Vertical distance from the ground to the center of gravity of the cargo [mm (in)].
CG_{vp}	Vertical distance from the ground to the center of gravity of the passenger load [mm (in)].
GVW	Actual Gross Vehicle Weight (pounds). $GVW = W_b + W_c + W_l + P$
GWR	Gross Vehicle Weight Rating of the vehicle [kg (lbs)].
h_f	Vertical distance between the front wheel center to ground line.
h_R	Vertical distance between the rear wheel center to ground line.
P	Two passenger load 136 kg (300 lbs).

CENTER OF GRAVITY (CG) – SINGLE CAB

[SAFETY INFORMATION]

Term	Definition
P_f	Passenger front load distribution [kg (lbs)]. $P_f = P - P_r$
P_r	Passenger rear load distribution kg (lbs). $P_r = \frac{P \times CG_{hp}}{WB}$
SUB	A Second Unit Body (SUB) consists of the body structure and/or all the cargo carrying, work performing and/or load bearing components and/or equipment installed by a subsequent stage manufacturer.
W_b	Weight of the SUB and/or permanently attached added equipment [kg (lbs)].
WB	Vehicle wheelbase [mm (in)].
W_c	Weight of the vehicle (chassis and cab with fuel tank full), including options weight [kg (lbs)].
W_F	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{FO}	Weight at the front wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].
W_I	Weight of the cargo [kg (lbs)].
W_p	Weight of one passenger 68 kg (150 lbs)
W_R	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at raised position [kg (lbs)].
W_{rb}	Weight at the rear wheels of the SUB and/or permanently attached added equipment [kg (lbs)].
W_{rI}	Weight at the cargo on the rear wheels [kg (lbs)].
W_{RO}	Weight at the rear wheels of the vehicle (chassis and cab with fuel tank full), including options weight at horizontal position [kg (lbs)].

This information is being used to assist upfitters in determining the vehicle center of gravity height. This has been prepared for the use of knowledgeable test engineers. It is not a how-to document for people without technical training.

Recommended Procedure

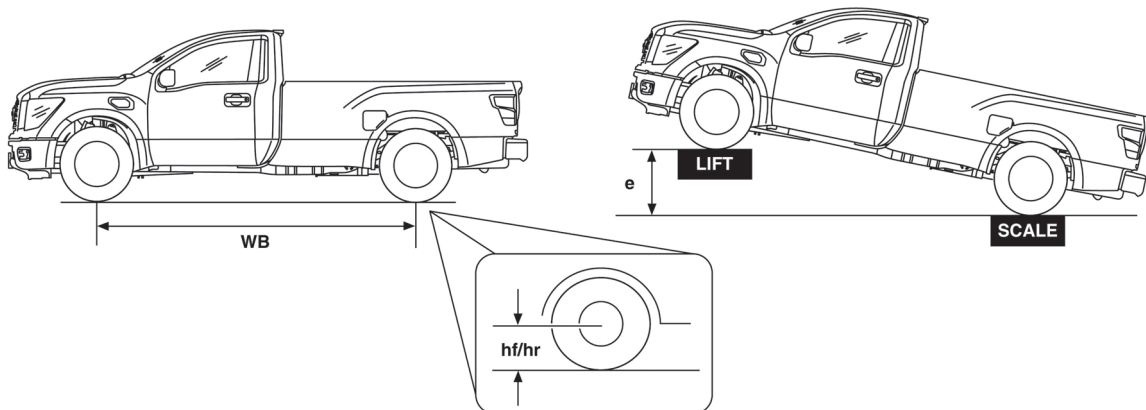
Setup

The following vehicle conditions should be verified prior to the measurement:

- Vehicle Mass: Unloaded Vehicle Condition – Full fluids, spare tire, jack and tire tool.
- Vehicle Posture: Unloaded Vehicle Condition – Adjust fender opening height to design value.
- Tire: Production parts shall be used. Tire pressure should be set to the specified pressure on Tire Placard once the vehicle has cooled.
- Steering Wheel: Set to center of stroke with wheels pointing forward.
- Seats: Adjust to reference position:
 - Longitudinal slide: Center of slide
 - Seat Lifter: Lowermost
 - Back angle: Set to normal driving condition or as close to 23° as possible.
- Window Glass: Fully closed.
- Other Parts: Production parts shall be used.
- Road Surface to be used: Flat load cell.
- Measurement Needed: Wheelbase, height of wheel centers from ground, lift heights, axle loads.
- Shift Position: Neutral. For safety, apply the parking brake.

Measurement Methods

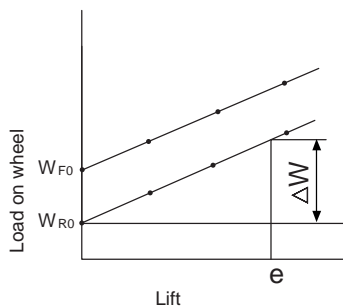
1. The vehicle should be at its unloaded vehicle condition, with full fluids and equipped with spare tire, jack and tools.
2. Measure the wheelbase of the vehicle (WB) on the left-hand and right-hand sides of the vehicle and use the average value for the calculations. Measure the height of the 4 wheel centers from the ground to get h_f and h_r .
3. Replace the shock absorbers with turnbuckles or solid link to avoid suspension travel.
4. Increase the tire air pressure to the maximum recommended level specified in tire placard or Owner's Manual.
5. Once the vehicle is on the scale, set the parking brake to prevent vehicle from rolling.
6. Measure the Rear Wheel Load (W_{RO}) in a horizontal position.
7. Raise the front of the vehicle with a hoist. Lift height should be at 0.5 m (1.6 ft) to start, with additional lift heights used to improve accuracy. (i.e., 0.5 m (1.6 ft) + a, 0.5 m (1.6 ft) + B).
8. Measure the Rear Wheel Load (W_R) with raised vehicle.
9. Change the lift height and measure the load on the rear wheel to find the relationship between lift and load. Measure two times for each lift height.
10. Follow the same procedure from (7) to (9) by raising the rear wheels.



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Analysis Method

1. Plot the relation between the lift height (e) and the load on rear wheels (W_{RO}) for raising the front wheels and the relation between the lift (e) and the load on the front wheels (W_{FO}) for raising the rear wheels. Draw a regression line for both cases with front or rear.
2. Obtain the shifted load (ΔW_{RO} and ΔW_{FO}) for the lift (e) according to the graph. ΔW_{RO} and ΔW_{FO} with e = 0.5 m (1.6 ft.) shall be representative value.
3. Calculate the CG height by using the following equations:



Front wheels raised

$$CG_v = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_F + \frac{W_{RO}}{W} (h_R - h_F)$$

Rear wheels raised

$$CG_v = \frac{\Delta W}{W} WB \frac{\sqrt{WB^2 - e^2}}{e} + h_R + \frac{W_{FO}}{W} (h_F - h_R)$$

Where,

- CG_v: Height of gravity center m (ft)
- W: Vehicle weight ($W=W_{FO}+W_{RO}$) kg (lbs)
- W_{FO}: Front wheel load (in horizontal position) kg (lbs)
- W_{RO}: Rear wheel load (in horizontal position) kg (lbs)
- e: Lift m (ft)
- ΔW: shifted load kg (lbs)
- WB: Wheelbase m (ft)
- h_F: Front wheel center height m (ft)
- h_R: Rear wheel center height m (ft)

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Results

The center of gravity height (CG_v) obtained is theoretically the same for both cases with the front or rear wheels raised. The accuracy of the results should be verified by performing several tests and averaging the results.

CENTER OF GRAVITY (CG) – SINGLE CAB

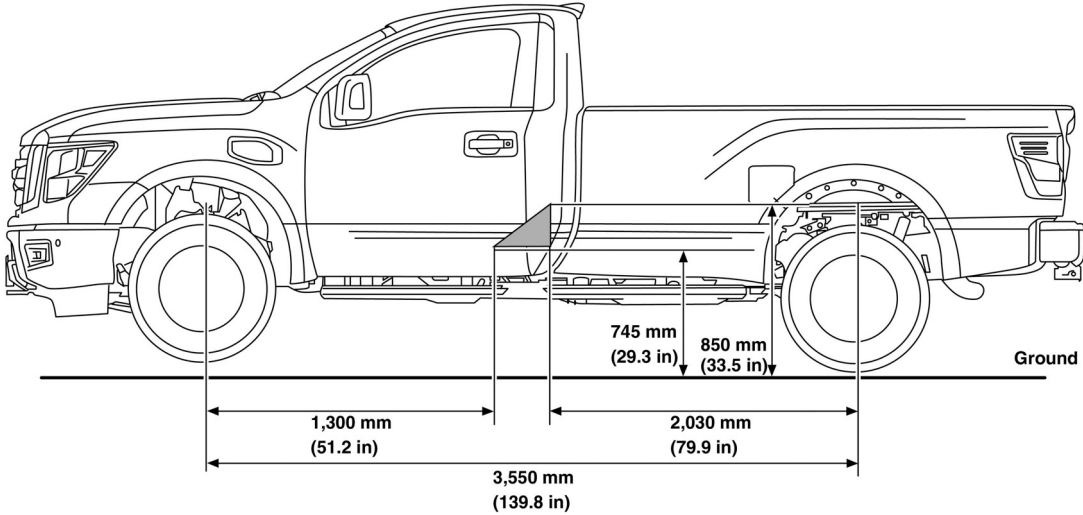
[SAFETY INFORMATION]

Vehicle Center of Gravity Envelope – Unloaded Vehicle Weight (UVW)

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

Single Cab (Diesel)



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Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016-2018 Model Years (Diesel)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S	3,433.0 (7,568.5)	3,992.0 (8,800.9)	559.0 (1,232.4)	540.2 (1,190.9)	Refer to "Max C"	2,223.0 (4,900.9)	2,223.0 (4,900.9)	1,801.0 (3,970.5)	1,091.8 (2,407.0)	2,892.8 (6,377.5)
	4WD			4,078.0 (8,990.5)	645.0 (1,422.0)	414.2 (913.1)				1,872.5 (4,128.2)	1,146.3 (2,527.2)	3,018.8 (6,655.4)
	2WD	SV	3,433.0 (7,568.5)	3,992.0 (8,800.9)	559.0 (1,232.4)	469.9 (1,036.0)		2,223.0 (4,900.9)	2,223.0 (4,900.9)	1,815.1 (4,001.6)	1,148.0 (2,530.9)	2,963.1 (6,532.5)
	4WD			4,078.0 (8,990.5)	645.0 (1,422.0)	343.9 (758.1)				1,886.6 (4,159.2)	1,202.5 (2,651.1)	3,089.1 (6,810.4)

*1: Wheelbase for all model grades is 3,550.0 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Diesel)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
Cummins 5.0L	2WD	S	3,433.0 (7,568.5)	3,992.0 (8,800.9)	559 (1,232)	573 (1,262)	Refer to "Max C"	2,223 (4,900)	2,223.0 (4,900.9)	1,779.1 (3,922.2)	1,081.4 (2,384.0)	2,860.5 (6,306.2)
	4WD			4,078.0 (8,990.5)	645 (1,422)	447 (984)				1,850.7 (4,080.0)	1,135.8 (2,504.1)	2,986.5 (6,584.1)
	2WD	SV		3,992.0 (8,800.9)	559 (1,232)	502 (1,106)				1,793.0 (3,952.8)	1,138.3 (2,509.5)	2,931.3 (6,462.3)
	4WD			4,078.0 (8,990.5)	645 (1,422)	376 (828.0)				1,864.6 (4,110.6)	1,192.7 (2,629.5)	3,057.3 (6,740.2)

*1: Wheelbase for all model grades is 3,550.0 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

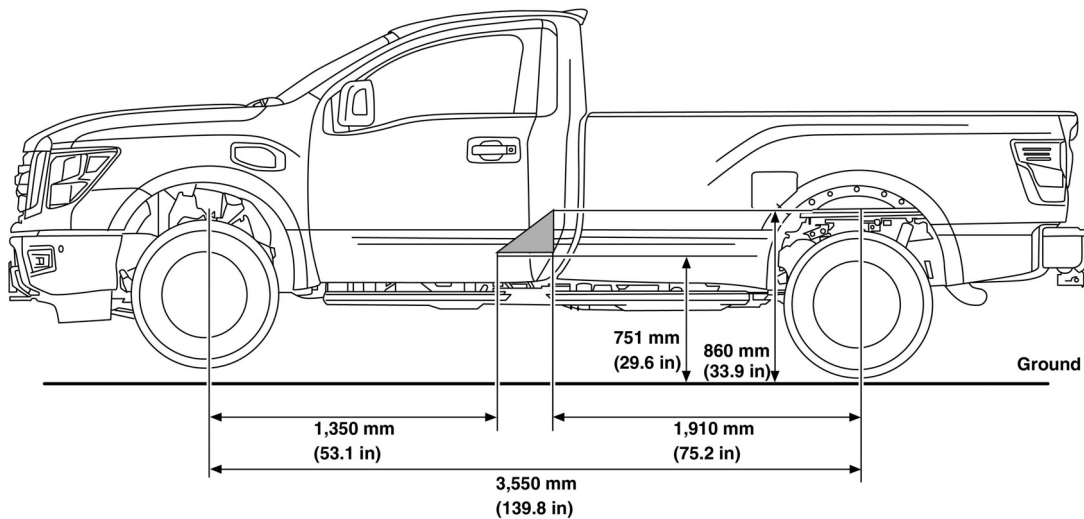
CENTER OF GRAVITY (CG) – SINGLE CAB

[SAFETY INFORMATION]

The diagram below shows the vehicle center of gravity envelope.

The center of gravity zone (CG zone) shall not be exceeded by any upfitter package.

Single Cab (Gasoline)



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Maximum Unloaded Vehicle Weight (UVW) Resource Chart — 2016-2018 Model Years (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433.0 (7,568.5)	3,896.0 (8,589.2)	463.0 (1,020.7)	855.8 (1,886.7)	Refer to "Max C"	1,962.0 (4,325.5)	2,223.0 (4,900.9)	1,575.2 (3,472.7)	1,002.0 (2,209.0)	2,577.2 (5,681.8)
	4WD			3,992.0 (8,800.9)	559.0 (1,232.4)	736.7 (1,624.1)				1,644.6 (3,625.8)	1,051.7 (2,318.6)	2,696.3 (5,944.3)
	2WD	SV	3,433.0 (7,568.5)	3,896.0 (8,589.2)	463.0 (1,020.7)	785.5 (1,731.7)		1,962.0 (4,325.5)	2,223.0 (4,900.9)	1,589.3 (3,503.8)	1,058.2 (2,332.9)	2,647.5 (5,836.7)
	4WD			3,992.0 (8,800.9)	559.0 (1,232.4)	666.4 (1,469.1)				1,658.7 (3,656.9)	1,107.9 (2,442.5)	2,766.6 (6,099.3)

*1: Wheelbase for all model grades is 3,550.0 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

Maximum Unloaded Vehicle Weight (UVW) Resource Chart – 2019 Model Year (Gasoline)

The maximum UVW / ARC values are shown below.

Model			UVW Kg (lbs)	GVWR Kg (lbs)	UVW Payload Kg (lbs) *2	ARC Weight Kg (lbs) *3	Max Cargo Kg (lbs) *4	GAWR Kg (lbs)		Base Curb Weight Kg (lbs)		
Engine	Drive	Model Grade *1						Front	Rear	Front	Rear	Total
VK56VD	2WD	S	3,433 (7,568)	3,901 (8,600)	468 (1,032)	889 (1,959)	Refer to "Max C"	1,962 (4,325)	2,223 (4,900)	1,489.1 (3,282.8)	1,055.1 (2,362.2)	2,544.2 (5,609.0)
	4WD with Standard Suspension			3,992 (8,800)	559 (1,232)	754 (1,662)				1,600.7 (3,528.8)	1,078.4 (2,377.4)	2,679.0 (5,906.2)
	4WD with HD Front GAWR Package			3,869 (8,530)	436 (961)	819 (1,807)		1,502.1 (3,311.5)		1,111.4 (2,450.3)	2,613.5 (5,761.8)	
	2WD	SV		3,992 (8,800)	559 (1,232)	683 (1,506)		1,614.6 (3,559.5)		1,135.3 (2,502.8)	2,749.8 (6,062.3)	
	4WD with Standard Suspension			3,992 (8,800)	559 (1,232)	683 (1,506)		1,614.6 (3,559.5)		1,135.3 (2,502.8)	2,749.8 (6,062.3)	
	4WD with HD Front GAWR Package			3,992 (8,800)	559 (1,232)	683 (1,506)		1,614.6 (3,559.5)		1,135.3 (2,502.8)	2,749.8 (6,062.3)	

*1: Wheelbase for all model grades is 3,550.0 mm (139.8 in).

*2: Load rating representing maximum allowable weight of people and cargo after ARC Weight and options are applied.

*3: ARC aftermarket equipment Accessory Reserve Capacity for models with standard equipment.

*4: When an ARC is installed, the Max Cargo capacity must be considered by the calculation for Max C.

The CG_{hb} can be approximated using the following formula:

$$CG_{hb} = \frac{W_{rb} \times WB}{W_b}$$

The Max C can be approximated using the following formula:

$$Max\ C = \frac{(FR\ GAWR - W_{FO} - P_f) \times WB}{WB - CG_{hb}}$$

After calculating Max C, GVW can be confirmed using the following formula:

$$GVW = W_c + W_b + Max\ C + P$$

If GVW is greater than GVWR, then Max C **must be reduced**

FMVSS/CMVSS 126 Electronic Stability Control Systems and FMVSS/CMVSS 135 Light Vehicle Brake Systems

For Body Builder’s use and applicable to FMVSS/CMVSS 126 (1) and 135 (2), the vertical vehicle center of gravity location can be approximated by following the formula below:

$$(1) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b}{W_c + W_b}$$

$$(2) CG_v = \frac{CG_{vc} W_c + CG_{vb} W_b + CG_{vp} W_p}{W_c + W_b + W_p}$$

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FMVSS AND CMVSS REGULATION LIST

Standards

For FMVSS standards, refer to the following website:

www.nhtsa.gov/staticfiles/rulemaking/pdf/FMVSS-QuickRefGuide-HS811439.pdf

For CMVSS standards, refer to the following website:

www.tc.gc.ca/eng/acts-regulations/regulations-crc-c1038.htm

PRECAUTIONS

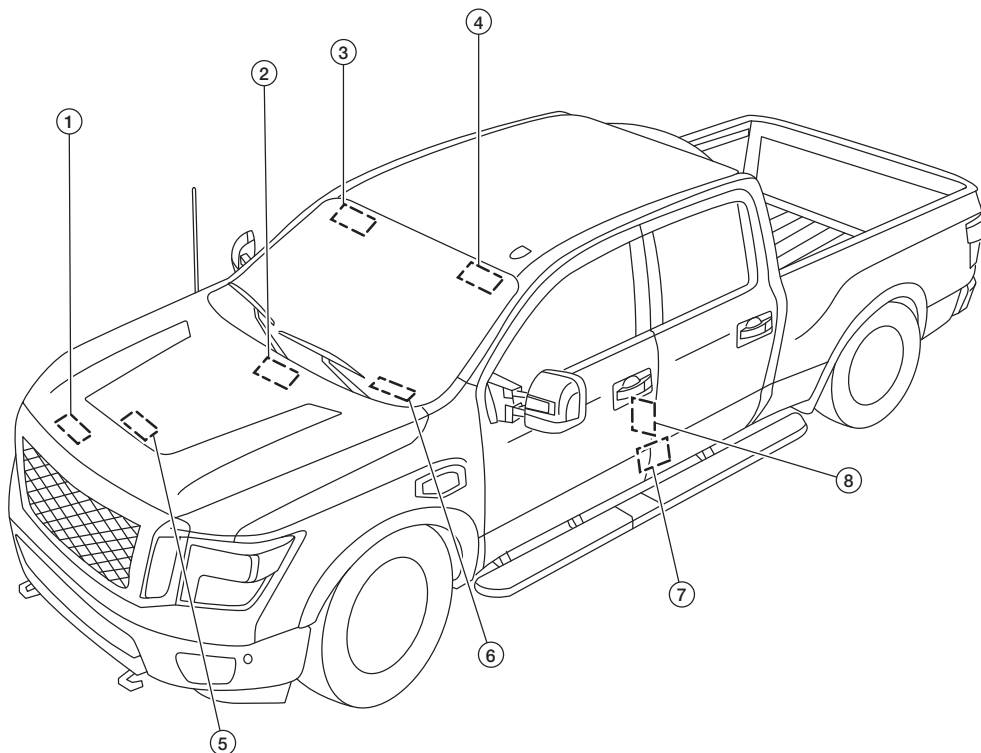
Precautions For Electrical CAN (Controller Area Network) System

- Do not modify the CAN system.
- For additional information and identification of CAN system, refer to the Service Manual or contact Nissan Commercial and Fleet Aftermarket Engineering 1 (855) 651-6655 or by E-mail at Nissan-AET@Nissan-USA.COM.

MODEL INFORMATION

LABEL INFORMATION

Identification Number



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Crew cab shown, single* and King Cab®* locations are the same except as indicated below.

- | | | |
|--|--|--|
| 1. Air conditioning specification label | 2. Vehicle identification number (Chassis number) | 3. SRS air bag warning label |
| 4. SRS air bag warning label | 5. Emission control information label | 6. Vehicle identification number (VIN) plate |
| 7. Single Cab*: Tire and loading information label
Except Single Cab: FMVSS/CMVSS Certification Label | 8. Single Cab*: FMVSS/CMVSS Certification Label
Except Single Cab: Tire and loading information label | |

*: Single Cab and King Cab® are available for 2017-2019 model years only.

VEHICLE CODING INFORMATION

Vehicle Identification

Vehicle Identification Number Arrangement

Position	Character	Qualifier	Definition
1	1N6	Manufacturer	1N6: Nissan Truck (NNA, Inc.)
2			
3			
4	B	Engine type	A: VK56VD (5.6L) B: Cummins 5.0L
5	A1	Vehicle line	A1: A61-TITAN
6			
7	F	Body type	C: King Cab® (medium wheelbase) F: Crew Cab (long wheelbase) R: Single Cab (medium wheelbase)
8* ¹	1	Restraint system	1: 2WD, 4 wheel ABS, Class G + Restraint System. 6 Seating Capacity, (3+3) (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (1st Row Center): 2-Point Manual Lap Belt. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belt.
			2: 2WD, 4 wheel ABS, Class G + Restraint System. 5 Seating Capacity (2+3). (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belt.
			3: 4WD, 4 wheel ABS, Class G + Restraint System. 6 Seating Capacity. (3+3) (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (1st Row Center): 2-Point Manual Lap Belt. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belt.
			4: 4WD, 4 wheel ABS, Class G + Restraint System. 5 Seating Capacity (2+3). (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belt.

VEHICLE CODING INFORMATION

[MODEL INFORMATION]

Position	Character	Qualifier	Definition
8* ¹	1	Restraint system	9: 2WD, 4 wheel ABS, Class G + Restraint System. 3 Seating Capacity (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (1st Row Center): 2-Point Manual Lap Belt.
			A: 4WD, 4 wheel ABS, Class G + Restraint System. 6 Seating Capacity. (3+3) (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags, Curtain Side Air Bags and Knee Air Bags. (1st Row Center): 2-Point Manual Lap Belt. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belts.
			B: 4WD, 4 wheel ABS, Class G + Restraint System. 5 Seating Capacity (2+3). (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags, Curtain Side Air Bags and Knee Air Bags. (2nd Row Outboard): 3-Point Manual Belts and Curtain Side Air Bags. (2nd Row Center): 3-Point Manual Belt.
			P: 4WD, 4 wheel ABS, Class G + Restraint System. 3 Seating Capacity (Driver and Passenger): 3-Point Manual Belts, Frontal Air Bags, Side Air Bags and Curtain Side Air Bags. (1st Row Center): 2-Point Manual Lap Belt.
9	*2	Check digit	*2: (0 to 9 or X) The code for the check digit is determined by a mathematical computation.
10	G	Model year	G: 2016 H: 2017 J: 2018 K: 2019 L: 2020 M: 2021
11	N	Manufacturing plant	N: Canton, Mississippi
12	XXXXXX	Vehicle serial number	Chassis number
13			
14			
15			
16			
17			

*1: 1, 2, 3, 4, 9, A, B or P character in this position indicates a TITAN XD (TXD) vehicle.

CLASS

Model Code Arrangement (2016-2019 Model Years)

Position	Character	Qualifier	Definition
1	C	Body type	A: Single Cab B: King Cab® C: Crew Cab
2	WF	Engine	PK: VK56VD (5.6L)
3			WF: Cummins 5.0L
4	4	Axle	3: 2WD MWB
			4: 2WD LWB
			7: 4WD MWB
			8: 4WD LWB
5	L	Drive	L: LH
6	R	Grade	M: S Base seat delete
			P: SV Base seat delete
			R: S Base
			S: SV Comfort and convenience
			T: SV Base
			U: Pro-4X Base
			V: SL Base
			X: SV Comfort and convenience seat delete
			Y: Platinum
7	H	Transmission	H: 6A/T
			S: 7A/T
8	A61	Model	A61: TITAN
9			
10			
11	K	Intake	D: Gasoline
			K: Diesel
12	U	Zone	U: USA
			N: Canada
13	C	Equipment	A: XD - 2 passenger
			B: XD - 3 passenger
			C: XD - 5 passenger
			D: XD - 6 passenger
			E: XD - 5 passenger
14	XXXXX	Option Codes	Option Codes
15			
16			
17			
18			

CLASS

[MODEL INFORMATION]

Model Variation - 2WD (Cummins 5.0L)

Body	Engine	Transmission	Destination	Grade	Model
Crew Cab	Cummins 5.0L	6 A/T	USA	S	CWF4LRH-KUD
				SV Base	CWF4LTH-KUD
				SV Comfort and convenience	CWF4LSH-KUE (2016-2017 model years only)
				SL	CWF4LVH-KUC
				Platinum	CWF4LYH-KUC
King Cab®				S Base	BWF3LRH-KUD
				S Seat delete	BWF3LMH-KUD (2017 model year only)
				SV Base	BWF3LTH-KUD
				SV Seat delete	BWF3LPH-KUD (2017 model year only)
				SV Comfort and convenience	BWF3LSH-KUE (2017 model year only)
				SV Comfort and convenience seat delete	BWF3LXH-KUE (2017 model year only)
				Single Cab	S
SV Base					AWF3LTH-KUB

CLASS

[MODEL INFORMATION]

Model Variation - 4WD (Cummins 5.0L)

Body	Engine	Transmission	Destination	Grade	Model
Crew Cab	Cummins 5.0L	6 A/T	USA	S	CWF8LRH-KUD
				SV Base	CWF8LTH-KUD
				SV Comfort and convenience	CWF8LSH-KUE
				SL	CWF8LVH-KUC
				Pro-4X	CWF8LUH-KUC
				Platinum	CWF8LYH-KUC
			Canada	S	CWF8LRH-KND
				SV Base	CWF8LTH-KND
				SV Comfort and convenience	CWF8LSH-KNE
				SL	CWF8LVH-KNC
				Pro-4X	CWF8LUH-KNC
				Platinum	CWF8LYH-KNC
King Cab®			USA	S Base	BWF7LRH-KUD
				S Seat delete	BWF7LMH-KUD
				SV Base	BWF7LTH-KUD
				SV Seat delete	BWF7LPH-KUD
				SV Comfort and convenience	BWF7LSH-KUE
				SV Comfort and convenience seat delete	BWF7LXH-KUE
				Pro-4X	BWF7LUH-KUC

CLASS

[MODEL INFORMATION]

Body	Engine	Transmission	Destination	Grade	Model
King Cab®	Cummins 5.0L	6 A/T	Canada	S Base	BWF7LRH-KND
				S Seat delete	BWF7LMH-KND
				SV Base	BWF7LTH-KND
				SV Seat delete	BWF7LPH-KND (2017 model year only)
				SV Comfort and convenience	BWF7LSH-KNE
				SV Comfort and convenience seat delete	BWF7LXH-KNE (2017 model year only)
				Pro-4X	BWF7LUH-KNC
Single Cab			USA	S	AWF7LRH-KUB
				SV Base	AWF7LTH-KUB
			Canada	S	AWF7LRH-KNB
				SV Base	AWF7LTH-KNB

CLASS

[MODEL INFORMATION]

Model Variation - 2WD (VK56VD [5.6L])

Body	Engine	Transmission	Destination	Grade	Model	
Crew Cab	VK56VD (5.6L)	7A/T	USA	S	CPK4LRS-DUD	
				SV Base	CPK4LTS-DUD	
				SV Comfort and convenience	CPK4LSS-DUC (2016-2017 model years only)	
				SL	CPK4LVS-DUC	
				Platinum	CPK4LYS-DUC	
King Cab®				S Base	BPK3LRS-DUD	
					S Seat delete	BPK3LMS-DUD (2017 model year only)
					SV Base	BPK3LTS-DUD
					SV Seat delete	BPK3LPS-DUC (2017 model year only)
					SV Comfort and convenience	BPK3LSS-DUC (2017 model year only)
Single Cab			SV Comfort and convenience seat delete	BPK3LXS-DUC (2017 model year only)		
				USA	S	APK3LRS-DUB
					SV Base	APK3LTS-DUB
	Canada	S		APK3LRS-DNB		

CLASS

[MODEL INFORMATION]

Model Variation - 4WD (VK56VD [5.6L])

Body	Engine	Transmission	Destination	Grade	Model
Crew Cab	VK56VD (5.6L)	7A/T	USA	S	CPK8LRS-DUD
				SV Base	CPK8LTS-DUD
				SV Comfort and convenience	CPK8LSS-DUC
				SL	CPK8LVS-DUC
				Pro-4X	CPK8LUS-DUC
				Platinum	CPK8LYS-DUC
			Canada	S	CPK8LRS-DND
				SV Base	CPK8LTS-DND
				SV Comfort and convenience	CPK8LSS-DNC
				SL	CPK8LVS-DNC
				Pro-4X	CPK8LUS-DNC
				Platinum	CPK8LYS-DNC
King Cab [®]			USA	S Base	BPK7LRS-DUD
				S Seat delete	BPK7LMS-DUD
				SV Base	BPK7LTS-DUD
				SV Seat delete	BPK7LPS-DUD
				SV Comfort and convenience	BPK7LSS-DUC
				SV Comfort and convenience seat delete	BPK7LXS-DUC
				Pro-4X	BPK7LUS-DUC

CLASS

[MODEL INFORMATION]

Body	Engine	Transmission	Destination	Grade	Model
King Cab®	VK56VD (5.6L)	7A/T	Canada	S Base	BPK7LRS-DND
				S Seat delete	BPK7LMS-DND
				SV Base	BPK7LTS-DND
				SV Seat delete	BPK7LPS-DND (2017 model year only)
				SV Comfort and convenience	BPK7LSS-DNC
				SV Comfort and convenience seat delete	BPK7LXS-DNC (2017 model year only)
				Pro-4X	BPK7LUS-DNC
Single Cab			USA	S	APK7LRS-DUB
				SV Base	APK7LTS-DUB
			Canada	S	APK7LRS-DNB
				SV Base	APK7LTS-DNB

CLASS

[MODEL INFORMATION]

Model Code Arrangement (2020 model year)

Position	Character	Qualifier	Definition
1	C	Body type	C: Crew Cab
2	PK	Engine	PK: VK56VD (5.6L)
3			
4	U	Axle	U: 4WD LWB
5	L	Drive	L: LH
6	R	Grade	A: S Base
			B: SV Base
			C: SV Comfort and convenience
			D: Pro-4X Base
			E: SL Base
			F: Platinum
7	2	Transmission	2: 9A/T
8	A61	Model	A61: TITAN
9			
10			
11	D	Intake	D: Gasoline
12	U	Zone	U: USA
			N: Canada
13	C	Equipment	B: XD - 5 passenger
			C: XD - 6 passenger
14	XXXXX	Option Codes	Option Codes
15			
16			
17			
18			

CLASS

[MODEL INFORMATION]

2020 Model Variation - 4WD (VK56VD [5.6L])

Body	Engine	Transmission	Destination	Grade	Model
Crew Cab	VK56VD (5.6L)	9A/T	USA	S Base	CPKULA2-DUC
				SV Base	CPKULB2-DUC
				SV Comfort and convenience	CPKULC2-DUB
				SL Base	CPKULE2-DUB
				Pro-4X	CPKULD2-DUB
				Platinum	CPKULF2-DUB
			Canada	S Base	CPKULA2-DNC
				SV Base	CPKULB2-DNC
				SV Comfort and convenience	CPKULC2-DNB
				SL Base	CPKULE2-DNB
				Pro-4X	CPKULD2-DNB
				Platinum	CPKULF2-DNB

CLASS

[MODEL INFORMATION]

Model Code Arrangement (Starting with 2021 model year)

Position	Character	Qualifier	Definition
1	C	Body type	C: Crew Cab
2	PK	Engine	PK: VK56VD (5.6L)
3			
4	U	Axle	U: 4WD LWB
5	L	Drive	L: LH
6	R	Grade	A: S Base
			B: SV Base
			C: SV Convenience
			D: Pro-4X Base
			E: SL Base
			F: Platinum Reserve
7	2	Transmission	2: 9A/T
8	A61	Model	A61: TITAN
9			
10			
11	D	Intake	D: Gasoline
12	U	Zone	U: USA
			N: Canada
13	C	Equipment	B: XD - 5 passenger
			C: XD - 6 passenger
14	XXXXX	Option Codes	Option Codes
15			
16			
17			
18			

CLASS

[MODEL INFORMATION]

2021 Model Variation - 4WD (VK56VD [5.6L])

Body	Engine	Transmission	Destination	Grade	Model
Crew Cab	VK56VD (5.6L)	9A/T	USA	S Base	CPKULA2-DUC
				SV Base	CPKULB2-DUC
				SV Convenience	CPKULC2-DUB
				SL Base	CPKULE2-DUB
				Pro-4X	CPKULD2-DUB
				Platinum Reserve	CPKULF2-DUB
			Canada	S Base	CPKULA2-DNC
				SV Base	CPKULB2-DNC
				SV Convenience	CPKULC2-DNB
				SL Base	CPKULE2-DNB
				Pro-4X	CPKULD2-DNB
				Platinum Reserve	CPKULF2-DNB

GVWR/TOWING CAPACITY

Gross Vehicle Weight Rating (GVWR) is the weight specified by Nissan as the maximum allowable weight for the loaded vehicle.

The GVW of the towing vehicle must not exceed the Gross Vehicle Weight Rating (GVWR) shown on the FMVSS/CMVSS Certification Label. The GVW equals the combined weight of the unloaded vehicle, passengers, luggage, hitch, trailer tongue load and any other optional equipment. In addition, front or rear GAW must not exceed the Gross Axle Weight Rating (GAWR) shown on the FMVSS/CMVSS Certification Label.

Determining Available Towing Capacity

Towing capacities are calculated assuming a base vehicle with driver and any options, modifications, and additional equipment. Additional passengers, cargo and/or optional equipment, such as the trailer hitch, will add weight to the vehicle and reduce the vehicle's maximum towing capacity and trailer tongue weight.

The vehicle and trailer need to be weighed to confirm the vehicle is within the GVWR, front GAWR, rear GAWR, Gross Combined Weight Rating (GCWR) and towing capacity.

All vehicle and trailer weights can be measured using platform-type scales commonly found at truck stops, highway weigh stations, building supply centers or salvage yards.

To determine the available payload capacity for tongue weight, use the following procedure:

1. Locate the GVWR on the [FMVSS/CMVSS Certification Label](#). (pg. 127)
2. Weigh the vehicle on the scale with all of the passengers and cargo that are normally in the vehicle when towing a trailer.
3. Subtract the actual vehicle weight from the GVWR. The remaining amount is the available maximum tongue weight.

To determine the available towing capacity, use the following procedure:

1. Find the GCWR for the vehicle. Refer to the appropriate Weights chart in the Resource Charts section of this manual:
[RESOURCE CHARTS](#) (pg. 180)
2. Subtract the actual vehicle weight from the GCWR. The remaining amount is the available maximum towing capacity.

To determine the Gross Trailer Weight, weigh the trailer on a scale with all equipment and cargo that are normally in the trailer when it is towed. Make sure the Gross Trailer Weight is not more than the Gross Trailer Weight Rating shown on the trailer and is not more than the calculated available maximum towing capacity.

Also, weigh the front and rear axles on the scale to make sure the Front Gross Axle Weight and Rear Gross Axle Weight are not more than Front Gross Axle Weight and Rear Gross Axle Weight on the FMVSS/CMVSS Certification Label. The cargo in the trailer and vehicle may need to be moved or removed to meet the specified ratings.

Examples:

- Gross Vehicle Weight (GVW) as weighed on a scale - including passengers, cargo and hitch - 3,540 kg (7,804 lbs).
- Gross Vehicle Weight Rating (GVWR) from FMVSS/CMVSS Certification Label - 4,078 kg (8,990 lbs).
- Gross Combined Weight Rating (GCWR) from Resource Chart - 8,822 kg (19,450 lbs).
- Maximum Trailer towing capacity from Resource Chart - 4,173 kg (9,200 lbs).

GVWR	4,078 kg (8,990 lbs)
- GVW	- 3,540 kg (7,804 lbs)
= Available for tongue weight	= 538 kg (1,186 lbs)

GCWR	8,822 kg (19,450 lbs)
- GVW	- 3,540 kg (7,804 lbs)
= Capacity available for towing	= 5,282 kg (11,644 lbs)

Available tongue weight	538 kg (1,186 lbs)
÷ Available capacity	÷ 5,282 kg (11,644 lbs)
Tongue weight = 10%	

The available towing capacity may be less than the maximum towing capacity due to the passenger and cargo load in the vehicle.

Remember to keep trailer tongue weight between 10 - 15% of the trailer weight or within the trailer tongue weight specification recommended by the trailer manufacturer. If the tongue weight becomes excessive, rearrange the cargo to obtain the proper tongue weight. Do not exceed the maximum tongue weight specification shown in the Resource Chart, even if the calculated available tongue weight is greater than 15%. If the calculated tongue weight is less than 10%, shift the trailer load forward until the trailer tongue weight reaches 10% of the trailer weight.

Always verify that available capacities are within the required ratings.

TRUCK OPTION MASS — 2016 MODEL YEAR

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>S Convenience and Utility Package:</p> <ul style="list-style-type: none"> • Front overhead console (map lamp, sunglass, storage) • Spray-in bedliner • Receiver Hitch • 7-pin trailer wiring harness connector (rear bumper) 	22.2 (49)	-1.5 (-3.3)	23.7 (52.4)
<p>SV Tow Convenience Package:</p> <ul style="list-style-type: none"> • Tow mirrors (manual extending with heat and puddle lamps) • Trailer brake controller • Puddle lamps • Trailer light function check (included on key fob) • Receiver hitch • 7-pin wiring harness connector (rear bumper) • Integrated gooseneck hitch • Front tow hooks (black) (2WD) 	68.8 (151.8)	7.7 (17)	61.1 (134.8)
<p>SV Comfort and Convenience Package</p> <ul style="list-style-type: none"> • Nissan Intelligent Key® system (with driver and passenger request switches) • Cloth captains seats with center console • 120-volt and 12-volt outlet in back of center console • 8-way power driver seat • Driver seat power lumbar • Rear HVAC vents • Leather wrapped steering wheel • Parking sensors (front and rear) • Rear view monitor • Power slide rear window with defogger • Auto on/off headlamps • Auto-dimming rearview mirror with universal garage door opener and compass • Blind Spot Warning (BSW) with Rear Cross Traffic Alert and painted rear bumper (Late Availability) • Step rails (accessory) • 20 inch alloy wheels • Full size spare and wheel (alloy) SV option • Auto dual zone HVAC • Fog lamp • Chrome interior door locks • Rain sensing wipers • NissanConnect® 7 inch display with navigation and mobile apps • Front driver and passenger seat heaters 	55.8 (122.9)	27.4 (60.4)	28.4 (62.6)

TRUCK OPTION MASS – 2016 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Utility Package:</p> <ul style="list-style-type: none"> • Utili-track™ channel system with 4 tie down cleats • Tailgate area illumination • 120-volt outlet in bed • LED under rail bed lighting • Spray-in bed liner • Flat floor storage box in 2nd row (accessory) 	41 (90.4)	3.3 (7.2)	377 (83.1)
<p>PRO-4X Towing Package</p> <ul style="list-style-type: none"> • Tow mirrors (manual extending with puddle lamp) • Trailer brake controller • Proximity activation (puddle lamps, LED signature headlamps, cargo lamp) • Trailer light function check (included on key fob) • Integrated gooseneck hitch 	59.5 (131.1)	7.7 (17)	51.7 (114.1)
<p>PRO-4X Utility and Audio Package</p> <ul style="list-style-type: none"> • Parking sensors (front and rear) • Utili-track™ channel system with 4 tie down cleats • Tailgate area illumination • 120-volt outlet in bed • LED under rail bed lighting • Power slide rear window with defogger • Universal garage door opener, auto dimming rearview mirror with compass • Premium audio (12 speakers total) • Rockford Fosgate branding, amplifier, underseat subwoofer, center channel speaker, front tweeters and rear tweeters 	27.4 (60.3)	8.4 (18.5)	18.9 (41.8)
<p>PRO-4X Convenience Package</p> <ul style="list-style-type: none"> • Leather seats with contrasting stitch (unique for Pro-4X) and "Pro-4X" embroidery • 4-way power front passenger seat • Heated steering wheel • Heated rear seats • Power tilt/telescoping steering wheel with memory • Compass on NAVI display • NissanConnect® Services with navigation, mobile apps and services, and remote engine start • Auto dimming outside mirror • Heated driver and passenger seat • Engine and remote start function (included on key fob) • Memory driver seat with auto entry/exit feature and outside mirrors 	6.4 (14.1)	4.2 (9.3)	2.2 (4.8)

TRUCK OPTION MASS – 2016 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Luxury Package</p> <ul style="list-style-type: none"> ▪ Driver and passenger ventilated seats ▪ Around View[®] monitor (with moving object detection and with auto activation in 4LO mode) ▪ 4-way power front passenger seat ▪ Heated rear seats ▪ Power tilt/telescoping steering wheel with memory ▪ Compass on NAVI display ▪ Engine remote start function (included on key fob) ▪ Reverse auto tilt mirrors ▪ Dual wall storage system (accessory) 	32.7 (72.2)	4.5 (9.9)	28.2 (62.2)
<p>SL Towing Convenience Package</p> <ul style="list-style-type: none"> ▪ Tow mirrors (manually extending and fold) ▪ Trailer brake controller ▪ Trailer light function check (included on key fob) ▪ Front tow hooks (black) (2WD) ▪ Integrated gooseneck hitch 	61.2 (134.8)	10.0 (22.0)	51.2 (112.8)
<p>Platinum Reserve Rear DVD Entertainment Package</p> <ul style="list-style-type: none"> ▪ Headrest DVD entertainment system 	3.3 (7.4)	2.0 (4.4)	1.3 (2.9)

TRUCK OPTION MASS – 2017 MODEL YEAR

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Convenience and Utility Package: <ul style="list-style-type: none"> • Front overhead console (map lamp, sunglass, storage) • Spray-in bedliner • Receiver Hitch • 7-pin trailer wiring harness connector (rear bumper) 	Crew Cab 22.24 (49.04) King Cab® 22.24 (49.04) Single Cab 25.24 (55.64)	Crew Cab -1.51 (-3.33) King Cab® -1.71 (-3.77) Single Cab -0.70 (-1.54)	Crew Cab 23.75 (52.37) King Cab® 23.96 (52.82) Single Cab 25.95 (57.21)
SV Tow Convenience Package: <ul style="list-style-type: none"> • Tow mirrors (manual extending with heat and puddle lamps) • Trailer brake controller • Puddle lamps • Trailer light function check (included on key fob) • Receiver hitch • 4-pin/7-pin wiring harness connector (rear bumper) • Integrated gooseneck hitch • Front tow hooks (black) (2WD) 	Crew Cab 63.39 (139.77) King Cab® 64.02 (141.14) Single Cab 63.39 (138.89)	Crew Cab 7.47 (16.47) King Cab® 7.44 (16.40) Single Cab 7.50 (16.53)	Crew Cab 55.92 (123.30) King Cab® 56.58 (124.74) Single Cab 55.89 (123.22)
SV Utility Package: <ul style="list-style-type: none"> • Utili-track™ channel system with 4 tie down cleats • Tailgate area illumination • 120-volt outlet in bed • LED under rail bed lighting • Spray-in bed liner • Flat floor storage box in 2nd row (accessory) (crew cab only) • Molded Plate Keys (x2) 	Crew Cab 41.34 (91.15) King Cab® 38.54 (84.97) Single Cab 35.44 (78.13)	Crew Cab 3.29 (7.25) King Cab® 2.91 (6.41) Single Cab 1.95 (4.30)	Crew Cab 38.05 (83.90) King Cab® 35.63 (78.55) Single Cab 33.49 (78.83)
SV Leather Package (Except Single Cab) <ul style="list-style-type: none"> • Leather Front and Rear Seats • 4-way Power Assist Seat 	2.00 (4.41)	1.21 (2.670)	0.79 (1.74)

TRUCK OPTION MASS – 2017 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Comfort and Convenience Package</p> <ul style="list-style-type: none"> ▪ Nissan Intelligent Key® system (with driver and passenger request switches) ▪ Cloth captains seats with center console (except single cab) ▪ 120-volt and 12-volt outlet in back of center console (except single cab) ▪ 8-way power driver seat (except single cab) ▪ Driver seat power lumbar (except single cab) ▪ Rear HVAC vents (except single cab) ▪ Leather wrapped steering wheel ▪ Parking sensors (front and rear) ▪ Rear view monitor ▪ Power slide rear window with defogger (except single cab) ▪ Auto on/off headlamps ▪ Auto-dimming rearview mirror with universal garage door opener and compass ▪ Blind Spot Warning (BSW) with Rear Cross Traffic Alert and painted rear bumper (Late Availability) ▪ Step rails (accessory) ▪ 20 inch alloy wheels ▪ Full size spare and wheel (alloy) SV option ▪ Auto dual zone HVAC ▪ Fog lamp ▪ Chrome interior door locks ▪ Rain sensing wipers ▪ NissanConnect® with navigation and mobile apps (except single cab) ▪ Nissan Navigation System with Voice Guidance (except single cab) ▪ 7" Color Touch-screen Display (except single cab) ▪ SiriusXM® Traffic™(except single cab) ▪ SiriusXM Travel Link® (Weather, Fuel prices, Movie listings and Stock Info) (except single cab) ▪ Siri® Eyes Free (except single cab) ▪ Nissan Voice Recognition for Navigation and Audio (except single cab) ▪ Front driver and passenger seat heaters (except single cab) ▪ Convex Spotter Mirror ▪ 20" Painted Alloy Wheels (King Cab® only) 	<p>Crew Cab 35.65 (74.20) King Cab® 36.82 (81.19) Single Cab 26.77 (59.02)</p>	<p>Crew Cab 18.93 (41.74) King Cab® 19.15 (42.23) Single Cab 15.17 (33.44)</p>	<p>Crew Cab 16.73 (36.89) King Cab® 17.68 (38.98) Single Cab 11.60 (25.57)</p>
<p>Texas TITAN Edition (Except Single Cab)</p> <ul style="list-style-type: none"> ▪ Texas TITAN Grille ▪ Texas TITAN Wheels ▪ Texas TITAN Kick Plates ▪ Texas TITAN Badging 	<p>King Cab® 3.27 (7.21) Except King Cab® 3.10 (6.84)</p>	<p>King Cab® 1.68 (3.70) Except King Cab® 2.21 (4.87)</p>	<p>King Cab® 1.59 (3.50) Except King Cab® 0.88 (1.94)</p>

TRUCK OPTION MASS – 2017 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Towing Package (Except Single Cab)</p> <ul style="list-style-type: none"> • Tow mirrors (manual extending with puddle lamp) • Cargo light • Trailer brake controller • Proximity activation (puddle lamps, LED signature headlamps, cargo lamp) • Trailer light function check (included on key fob) • Integrated gooseneck hitch 	51.35 (113.23)	King Cab® 4.48 (9.88) Except King Cab® 4.35 (9.59)	King Cab® 46.87 (103.33) Except King Cab® 47.00 (103.64)
<p>PRO-4X Utility and Audio Package (Except Single Cab)</p> <ul style="list-style-type: none"> • Parking sensors (front and rear) • Utili-track™ channel system with 4 tie down cleats • Tailgate area illumination • 120-volt outlet in bed • LED under rail bed lighting • Power slide rear window with defogger • Premium audio (12 speakers total) • Center Speaker, Front and Rear Tweeters • Electronic Locking Tailgate (accessory) • Rear Utility Bed Step (accessory) 	King Cab® 31.84 (70.19) Except King Cab® 26.85 (59.20)	King Cab® 6.43 (14.18) Except King Cab® 7.96 (17.55)	King Cab® 25.41 (56.02) Except King Cab® 18.89 (41.65)
<p>PRO-4X Convenience Package (Except Single Cab)</p> <ul style="list-style-type: none"> • Leather seats with contrasting stitch (unique for Pro-4X) and "Pro-4X" embroidery • 4-way power front passenger seat • Heated steering wheel • Heated rear seats (crew cab only) • Power tilt/telescoping steering wheel with memory • Compass on NAVI display • NissanConnect® Services with navigation, mobile apps and services, and remote engine start • Heated driver and passenger seat • Engine remote start function (included on key fob) • Memory Driver Seat w/Auto Entry/Exit Feature, and Memory Steering Wheel • UGDO, Auto Dimming Rearview Mirror • Memory Outside Mirrors with Driver and Assist Auto Dim 	King Cab® 6.01 (13.25) Except King Cab® 8.06 (17.77)	King Cab® 4.43 (9.77) Except King Cab® 5.71 (12.59)	King Cab® 1.58 (3.48) Except King Cab® 2.36 (5.20)
<p>PRO-4X Luxury Package (Except Single Cab)</p> <ul style="list-style-type: none"> • Driver and passenger ventilated seats • Around View® monitor (with moving object detection and with auto activation in 4LO mode) • Reverse auto tilt mirrors • TITAN box (accessory) • Driver and Assist Auto Dimming Outside Mirrors 	Crew Cab 35.98 (79.34) King Cab® 35.81 (78.95)	Crew Cab 4.5 (9.9) King Cab® 1.90 (4.19)	Crew Cab 28.2 (62.2) King Cab® 33.91 (3.48)

TRUCK OPTION MASS – 2017 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
SL Towing Convenience Package (Crew Cab Only) <ul style="list-style-type: none"> • Trailer brake controller • Trailer light function check (included on key fob) • Front tow hooks (black) (2WD) • Tow Mirrors (Manually Extending/Fold) w/ Memory & Dr/As Auto Dim 	6.77 (14.93)	7.21 (15.90)	-0.43 (-0.095)
SL Chrome Package (Crew Cab Only) SV Chrome Package (King Cab® Only) <ul style="list-style-type: none"> • 20" Chrome Wheels • Metallic Kick Plates (accessory) • Chrome Exhaust Tail Tip • Chrome Front Grille (inner and outer) 	0.09 (0.19)	-0.11 (-0.24)	0.20 (0.44)
Platinum Reserve Rear DVD Entertainment Package (Crew Cab Only) <ul style="list-style-type: none"> • Headrest DVD entertainment system • Wireless Headphones (Pair) 	3.34 (7.36)	2.02 (4.45)	1.32 (2.91)
Platinum Reserve Bed Utility Package (Crew Cab Only) <ul style="list-style-type: none"> • TITAN Box (accessory) • Electronic Locking Tailgate (accessory) • Rear Utility Bed Step (accessory) 	37.18 (81.98)	-1.74 (-3.837)	38.92 (85.82)
Monotone Paint Package (Except Single Cab) <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		
King Cab® Seat Delete Package <ul style="list-style-type: none"> • Delete Rear Seat • Delete Rear Heater Duct • Delete Rear Roof-Mounted Assist Grips (replaced with Coat Hanger) • Delete Under Seat Storage (with SV Utility Package only) • Delete Captains Chairs (Replace with Bench Seat) • Delete Center Console, 110v Outlet, 12v In-Console Outlet, and Rear A/C Vents • Add Rear Flat Load Floor • Add Rear Wall Finisher with Tie-Down Hooks 	-28.36 (-62.52)	-10.22 (-22.53)	-18.14 (-39.99)

TRUCK OPTION MASS — 2018 MODEL YEAR

[MODEL INFORMATION]

TRUCK OPTION MASS — 2018 MODEL YEAR

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Utility Package: <ul style="list-style-type: none"> • Front Overhead Console (Map Lamp, Sunglass, Storage) • Spray-on Bedliner • Receiver Hitch • 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	Single Cab: 25.244 (55.663) Crew Cab and King Cab®: 22.244 (49.048)	Single Cab: -0.658 (-1.45) King Cab®: -1.712 (-3.77) Crew Cab: -1.505 (-3.32)	Single Cab: 25.902 (57.1) King Cab®: 23.956 (52.81) Crew Cab: 23.749 (52.357)
HD Front GAWR Package <ul style="list-style-type: none"> • High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Tow Package: <ul style="list-style-type: none"> • Tow Mirrors (Manually Extending w/Heat and puddle) • Trailer Brake Controller • Puddle Lamps • Trailer Light Function Check (Included on Key Fob) • Receiver Hitch • 4-pin/7-pin Wiring Harness Connector (Rear Bumper) • Integrated Gooseneck Hitch • Front Tow Hooks (black) (2WD) 	All Cabs: 63.391 (139.75)	Single Cab and King Cab®: 7.414 (16.345) Crew Cab: 7.472 (16.472)	Single Cab and King Cab®: 55.977 (123.4) Crew Cab: 55.919 (123.28)
SV Utility Package: <ul style="list-style-type: none"> • Utilitrack System with 4 Tie Down Cleats • Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Spray-on Bedliner • Flat Floor Storage Box in 2nd Row (ACCY) (C/C; K/C Only) • Molded Plate Keys (x2) (C/C; K/C Only) 	Single Cab: 35.439 (78.13) King Cab®: 38.537 (84.959) Crew Cab: 41.337 (91.13)	Single Cab: 1.946 (4.29) King Cab®: 2.914 (6.42) Crew Cab: 3.287 (7.246)	Single Cab: 33.493 (73.839) King Cab®: 35.623 (78.535) Crew Cab: 38.05 (83.88)
SV Leather Package (Crew Cab Only): <ul style="list-style-type: none"> • Leather Front and Rear Seats (C/C Only) • 4-way Power Assist Seat (C/C Only) 	2.00 (4.41)	1.207 (2.66)	0.793 (1.748)

TRUCK OPTION MASS – 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> ▪ Intelligent Key System w/ Driver & Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto On/Off Headlights ▪ Auto-dimming Rearview Mirror w/ Universal Garage Door Opener and Compass ▪ Blind Spot Warning w/ Rear Cross Traffic Alert and Painted Rear Bumper ▪ Auto Dual Zone HVAC ▪ Fog Lamp ▪ Convex Spotter Mirror ▪ 20" Painted Alloy Wheels ▪ Cloth Captains Seats with Center Console (C/C; K/C Only) ▪ 110V in Back of Center Console and 12v in Center Console (C/C; K/C Only) ▪ 8-way Power Driver's Seat (C/C; K/C Only) ▪ Driver Seat Power Lumbar (C/C; K/C Only) ▪ Rear HVAC vents (C/C; K/C Only) ▪ Chrome Interior Door Locks (C/C; K/C Only) ▪ Rain-Sensing Wipers ▪ NissanConnect® with Navigation and Mobile Apps (C/C; K/C Only) <ul style="list-style-type: none"> ▪ Nissan Navigation System with Voice Guidance ▪ 7" Color Touch-screen Display ▪ SiriusXM® Traffic ▪ SiriusXM Travel Link® (Weather, Fuel prices, Movie listings and Stock Info) ▪ Siri® Eyes Free ▪ Nissan Voice Recognition for Navigation and Audio ▪ NissanConnect® Mobile Apps ▪ Front Driver and Passenger Seat Heaters (C/C; K/C Only) ▪ Power Slide Rear Window w/ Defogger (C/C; K/C Only) 	<p>Single Cab: 14.882 (32.81) King Cab®: 4.654 (10.26) Crew Cab: 4.654 (10.26)</p>	<p>Single Cab: 7.87 (17.35) King Cab®: 1.809 (3.99) Crew Cab: 1.53 (3.37)</p>	<p>Single Cab: 6.952 (15.33) King Cab®: 2.845 (6.27) Crew Cab: 3.124 (6.89)</p>

TRUCK OPTION MASS – 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Texas TITAN Edition (SV: Crew Cab; King Cab® only): <ul style="list-style-type: none"> • Chrome Grille (Inner and Outer) • 20" Chrome Wheels • Metallic Kick Plates (ACCY) • Texas TITAN Badging (ACCY) • Texas TITAN Floor Mats (ACCY) • Chrome Exhaust Tail Tip 	King Cab® : 14.476 (31.91) Crew Cab: 15.727 (34.67)	King Cab® : 7.434823 (16.39) Crew Cab: 8.22456 (18.132)	King Cab® : 7.041177 (15.52) Crew Cab: 7.50244 (16.54)
Texas TITAN Edition (SL: Crew Cab Only): <ul style="list-style-type: none"> • Chrome Grille (Inner and Outer) • 20" Chrome Wheels • Metallic Kick Plates (ACCY) • Texas TITAN Badging (ACCY) • Texas TITAN Floor Mats (ACCY) • Chrome Exhaust Tail Tip 	4.727 (10.42)	2.725 (6.01)	2.002 (4.41)
PRO-4X Utility Package: <ul style="list-style-type: none"> • Parking Sensors (Front and Rear) • Utilitrack System with 4 Tie Down Cleats • Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Power Slide Rear Window w/ Defogger • Premium Audio (12 Speakers Total) • Rockford Fosgate Branding, Amplifier, Underseat Subwoofer & Center Channel Speaker & Fr Tweeters & Rr Tweeters • Electronic Locking Tailgate (C/C; K/C Only) (ACCY) • Rear Utility Bed Step (C/C; K/C Only) (ACCY) 	Single Cab: 29.352 (64.71) Crew Cab and King Cab® : 31.429 (69.289)	Single Cab: 9.085 (20.028) King Cab® : 6.151 (13.56) Crew Cab: 6.262 (13.8)	Single Cab: 20.267 (44.68) King Cab® : 25.278 (55.728) Crew Cab: 25.167 (55.48)

TRUCK OPTION MASS — 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Convenience Package:</p> <ul style="list-style-type: none"> Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery 4-way Power Assist Seat Heated Steering Wheel Heated Rear Seats (C/C only) Power Tilt/Telescoping Steering Wheel w/Memory Compass on NAVI Display NissanConnect® Services Powered by SiriusXM® Automatic Collision Notification, Emergency Call and Stolen Vehicle Locator Remote Services including Start/Stop, Lock/Unlock, Flash Lights, Sound Horn, Customizable alerts including Drive Zone, Valet, Curfew and Speed alerts, Maintenance Alerts Auto dimming outside mirror (DR&AS) Heated Driver and Passenger seat Engine Remote Start Function (included on Key Fob) Memory Driver Seat w/Auto Entry/Exit Feature, and Memory Steering Wheel Universal Garage Door Opener, Auto Dimming Rearview Mirror Memory Outside Mirrors with Driver and Assist Auto Dim (C/C; K/C Only) 	<p>King Cab®: 4.967 (10.95) Crew Cab: 6.067 (13.375)</p>	<p>King Cab®: 3.406 (7.508) Crew Cab: 3.938 (8.68)</p>	<p>King Cab®: 1.561 (3.44) Crew Cab: 2.129 (4.69)</p>
<p>Premium Package:</p> <ul style="list-style-type: none"> Driver & Passenger Ventilated Seats Intelligent Around View Monitor (I-AVM) Reverse AutoTilt TITAN Box (ACCY) Driver and Assist Auto Dimming Outside Mirrors (C/C; K/C Only) 	<p>Crew Cab and King Cab®: 35.98 (79.32)</p>	<p>King Cab®: 2.046 (4.51) Crew Cab: 2.12 (4.67)</p>	<p>King Cab®: 33.934 (74.81) Crew Cab: 33.86 (74.648)</p>
<p>SL Tow Package:</p> <ul style="list-style-type: none"> Tow Mirrors (Manually Extending/Fold) w/ Memory & Dr/As Auto Dim Trailer Brake Controller Trailer Light Function Check (included on Key Fob) Front Tow Hooks (black) (2wd) Integrated Gooseneck Hitch 	<p>Crew Cab and King Cab®: 55.709 (122.7)</p>	<p>King Cab®: 8.788 (19.37) Crew Cab: 8.519 (18.78)</p>	<p>King Cab®: 45.091 (99.4) Crew Cab: 45.36 (100)</p>

TRUCK OPTION MASS — 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Chrome Package (SV) (King Cab® and Crew Cab Only) <ul style="list-style-type: none"> • 20" Chrome Wheels • Metallic Kick Plates (ACCY) • Chrome Exhaust Tail Tip • Chrome Front Grille (Inner and Outer) 	Crew Cab and King Cab®: 11.3 (24.9)	Crew Cab and King Cab®: 5.65 (12.45)	Crew Cab and King Cab®: 5.65 (12.45)
Chrome Package (SL) (Crew Cab Only) <ul style="list-style-type: none"> • 20" Chrome Wheels • Metallic Kick Plates (ACCY) • Chrome Exhaust Tail Tip • Chrome Front Grille (Inner and Outer) 	0.3 (0.66)	0.15 (0.33)	0.15 (0.33)
Nissan Mobile Entertainment System Package: <ul style="list-style-type: none"> • Headrest DVD Entertainment System • Wireless Headphones (Pair) • Remote Control 	All Cabs: 3.34 (7.36)	All Cabs: 2.02 (4.44)	All Cabs: 1.32 (2.92)
Platinum Utility Package: <ul style="list-style-type: none"> • TITAN Box (ACCY) • Electronic Locking Tailgate (ACCY) • Rear Utility Bed Step (ACCY) 	Crew Cab: 37.179 (81.965)	Crew Cab: -1.7398 (-3.836)	Crew Cab: 38.919 (85.816)
Monotone Paint Package: <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		
Midnight Edition (SV): <ul style="list-style-type: none"> • Body Color Front Grille w/ Dark Insert • Dark Headlamps • Black Fog Lamp Finisher • Black Exterior Badging • Black Fender Louver • Black Mirrors • Black Door Handles • Body Color Front and Rear Bumper • Black Step Rails • Charcoal Interior Trim • "Midnight Edition" Floor Mats • "Midnight Edition" Exterior Badge 	Crew Cab: 46.427 (102.37)	Crew Cab: 25.4726 (56.17)	Crew Cab: 20.9544 (46.20)

TRUCK OPTION MASS – 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>Midnight Edition (SL):</p> <ul style="list-style-type: none"> • Body Color Front Grille w/ Dark Insert • Dark Headlamps • Black Fog Lamp Finisher • Black Exterior Badging • Black Fender Louver • Black Mirrors • Black Door Handles • 20" Black Painted Wheels • Body Color Front and Rear Bumper • Black Step Rails • Charcoal Interior Trim • "Midnight Edition" Floor Mats • "Midnight Edition" Exterior Badge 	Crew Cab: 4.427 (9.759)	Crew Cab: 2.5746 (5.677)	Crew Cab: 1.8524 (4.085)
<p>PRO-4X Tow Package:</p> <ul style="list-style-type: none"> • Trailer Brake Controller • Trailer Light Check Function (Included on Key Fob) • Tow Mirrors (Manually Extending/folding, with Puddle lamp) • Proximity Activation; Puddle Lamps, LED Signature Headlamps, Cargo Lamp • Integrated Gooseneck Hitch 	All Cabs: 51.35 (113.2)	Single Cab and King Cab®: 4.478 (9.87) Crew Cab: 4.347 (9.58)	Single Cab and King Cab®: 46.872 (103.335) Crew Cab: 47.003 (103.62)
<p>King Cab® Seat Delete:</p> <ul style="list-style-type: none"> • (-) Rear Seat • (-) Rear Heater Duct • (-) Rear Roof-Mounted Assist Grips (replaced with Coat Hanger) • (-) Under Seat Storage (with SV Utility Package Only) • (-) Captains Chairs (Replace with Bench Seat) • (-) Center Console, 110v Outlet, 12v In-Console Outlet, and Rear A/C Vents • (+) Rear Flat Load Floor • (+) Rear Wall Finisher with Tie-Down Hooks 	-41.5 (-91.4)	-1771(-39.04)	-23.79 (-52.447)

TRUCK OPTION MASS – 2018 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package (w/ King Cab® Seat Delete):</p> <ul style="list-style-type: none"> ▪ Intelligent Key System with Driver and Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto On/Off Headlights ▪ Blind Spot Warning with Rear Cross Traffic Alert and Painted Rear Bumper ▪ Step Rails (ACCY) ▪ Auto Dual Zone HVAC ▪ Convex Spotter Mirror ▪ 20" Painted Alloy Wheels ▪ Chrome Interior Door Locks (C/C and K/C Only) ▪ Rain-Sensing Wipers (C/C and K/C only) ▪ NissanConnect® with Navigation and Mobile Apps (C/C and K/C Only) <ul style="list-style-type: none"> ▪ Nissan Navigation System with Voice Guidance ▪ 7" color Touch screen display ▪ SiriusXM® Traffic ▪ SiriusXM® Travel Link (Weather, Fuel prices, movie listings, sports scores and stock info) ▪ Siri® Eyes Free ▪ Nissan Voice Recognition for navigation and audio ▪ NissanConnect® Mobile Apps ▪ Power Slide Rear Window with Defogger (C/C; K/C only) 	48.568 (107092)	25.1261 (55.403)	23.4419 (51.689)

TRUCK OPTION MASS — 2019 MODEL YEAR

US Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Utility Package: <ul style="list-style-type: none"> • Front Overhead Console (Map Lamp, Sunglass, Storage) • Spray-on Bedliner • Receiver Hitch • 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	Single Cab: 32.435 (71.519) King Cab®: 29.44 (64.915) Crew Cab: 28.84 (63.592)	Single Cab: -2.78 (-6.130) King Cab®: -3.834 (-8.454) Crew Cab: -4.344 (-9.579)	Single Cab: 35.214 (77.647) King Cab®: 33.268 (73.356) Crew Cab: 33.178 (73.157)
HD Front GAWR Package <ul style="list-style-type: none"> • High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Utility Package: <ul style="list-style-type: none"> • Utilitrack System with 4 Tie Down Cleats • Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Spray-on Bedliner • Flat Floor Storage Box in 2nd Row (ACCY) (C/C; K/C Only) • Molded Plate Keys (x2) (C/C; K/C Only) 	Single Cab: 35.439 (78.13) King Cab®: 38.537 (84.959) Crew Cab: 39.519 (87.139)	Single Cab: 1.946 (4.29) King Cab®: 2.914 (6.42) Crew Cab: 2.196 (4.842)	Single Cab: 33.493 (73.839) King Cab®: 35.623 (78.535) Crew Cab: 37.323 (82.297)

TRUCK OPTION MASS – 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> Intelligent Key System w/ Driver & Passenger Request Switches Leather Wrapped Steering Wheel Parking Sensors (Front and Rear) Auto On/Off Headlights Auto-dimming Rearview Mirror w/ Universal Garage Door Opener Blind Spot Warning w/ Rear Cross Traffic Alert and Painted Rear Bumper Auto Dual Zone HVAC Convex Spotter Mirror 20" Painted Alloy Wheels Cloth Captains Seats with Center Console (C/C; K/C Only) 110V in Back of Center Console and 12v in Center Console (C/C; K/C Only) 8-way Power Driver's Seat (C/C; K/C Only) Driver Seat Power Lumbar (C/C; K/C Only) Rear HVAC vents (C/C; K/C Only) Chrome Interior Door Locks (C/C; K/C Only) Rain-Sensing Wipers NissanConnect® with Navigation featuring Apple CarPlay™ and Android Auto™ <ul style="list-style-type: none"> Nissan Navigation with 3D building graphics and satellite imagery Connected navigation features including online POI search and online Premium Traffic information HD Radio SiriusXM Traffic™ SiriusXM® Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) Front Driver and Passenger Seat Heaters (C/C; K/C Only) Power Slide Rear Window w/ Defogger (C/C; K/C Only) 	<p>Single Cab: 37.150 (81.916) King Cab®: 38.429 (84.736) Crew Cab: 46.184 (101.836)</p>	<p>Single Cab: 19.958 (44.008) King Cab®: 19.578 (43.169) Crew Cab: 24.118 (53.181)</p>	<p>Single Cab: 17.191 (37.907) King Cab®: 18.851 (41.567) Crew Cab: 22.066 (48.655)</p>
<p>Texas TITAN Edition (SV: Crew Cab; King Cab® only) (SL: Crew Cab Only):</p> <ul style="list-style-type: none"> Chrome Grille (Inner and Outer) 20" Chrome Wheels Metallic Kick Plates (ACCY) Texas TITAN Badging (ACCY) Texas TITAN Floor Mats (ACCY) Chrome Exhaust Tail Tip 	<p>King Cab®: 3.476 (7.665) Crew Cab: 4.727 (10.42)</p>	<p>King Cab®: 1.935 (4.266) Crew Cab: 2.568 (5.662)</p>	<p>King Cab®: 1.541 (3.398) Crew Cab: 2.159 (4.761)</p>

TRUCK OPTION MASS — 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Utility Package:</p> <ul style="list-style-type: none"> ▪ Parking Sensors (Front and Rear) ▪ Utilitrack System with 4 Tie Down Cleats ▪ Tailgate Area Illumination ▪ 110v Outlet in Bed ▪ LED Under Rail Bed Lighting ▪ Power Slide Rear Window w/ Defogger ▪ Premium Audio (12 Speakers C/C, 10 Speakers K/C) ▪ Fender® Branding, Amp, Underseat Subwoofer & Center Spkr & Fr/Rr Tweeters ▪ Electronic Locking Tailgate (C/C; K/C Only) (ACCY) ▪ Rear Utility Bed Step (C/C; K/C Only) (ACCY) 	<p>King Cab®: 31.428 (69.299) Crew Cab: 30.21 (66.613)</p>	<p>King Cab®: 6.151 (13.56) Crew Cab: 5.548 (12.233)</p>	<p>King Cab®: 25.278 (55.728) Crew Cab: 24.66 (54.375)</p>
<p>PRO-4X Convenience Package:</p> <ul style="list-style-type: none"> ▪ Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery ▪ 4-way Power Assist Seat ▪ Heated Steering Wheel ▪ Heated Rear Seats (C/C only) ▪ Power Tilt/Telescoping Steering Wheel w/Memory ▪ Compass on NAVI Display ▪ NissanConnect® Services Powered by SiriusXM® <ul style="list-style-type: none"> ▪ Automatic Collision Notification, Emergency Call and Stolen Vehicle Locator ▪ Remote Services including Lock/Unlock, Engine Start/Stop, Horn/Lights ▪ Customizable Alerts Including Boundary, Curfew, Speed, Valet Alerts, and Maintenance Alerts ▪ UGDO, Auto Dimming Rearview Mirror ▪ Heated Driver and Passenger seat ▪ Engine Remote Start Function (included on Key Fob) ▪ Memory Driver Seat w/Auto Entry/Exit Feature, and Memory Steering Wheel ▪ Memory Outside Mirrors with Driver and Assist Auto Dim (C/C; K/C Only) 	<p>King Cab®: 5.700 (12.569) Crew Cab: 6.800 (14.994)</p>	<p>King Cab®: 3.667 (8.085) Crew Cab: 4.019 (8.861)</p>	<p>King Cab®: 2.033 (4.483) Crew Cab: 2.781 (6.133)</p>

TRUCK OPTION MASS — 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Premium Package: <ul style="list-style-type: none"> • Driver & Passenger Ventilated Seats • Intelligent Around View Monitor (I-AVM) • Reverse AutoTilt • TITAN Box (ACCY) 	US Crew Cab and King Cab®: 33.3 (73.463)	US Crew Cab and King Cab®: 0.363 (0.801)	US Crew Cab and King Cab®: 33.037 (72.846)
Chrome Package (SV) (King Cab® and Crew Cab Only) <ul style="list-style-type: none"> • 20" Chrome Wheels • Metallic Kick Plates (ACCY) • Chrome Exhaust Tail Tip • Chrome Front Grille (Inner and Outer) 	Crew Cab and King Cab®: 0.3 (0.662)	Crew Cab and King Cab®: 0.15 (0.331)	Crew Cab and King Cab®: 0.15 (0.331)
Platinum Utility Package: <ul style="list-style-type: none"> • TITAN Box (ACCY) • Electronic Locking Tailgate (ACCY) • Rear Utility Bed Step (ACCY) 	Crew Cab: 37.2 (82.026)	Crew Cab: -1.7 (-3.749)	Crew Cab: 38.9 (85.775)
Monotone Paint Package: <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		
Midnight Edition (SV): <ul style="list-style-type: none"> • Body Color Front Grille w/ Dark Insert • Dark Headlamps • Black Fog Lamp Finisher • Black Exterior Badging • Black Fender Louver • Black Mirrors • Black Door Handles • 20" Black Painted Wheels • Body Color Front and Rear Bumper • Black Step Rails (ACCY) • Charcoal Interior Trim • "Midnight Edition" Exterior Badge 	Crew Cab: 47.15 (103.966)	Crew Cab: 23.7606 (52.3921)	Crew Cab: 23.2894 (51.3531)
King Cab® Seat Delete: <ul style="list-style-type: none"> • (-) Rear Seat • (-) Rear Heater Duct • (-) Under Seat Storage (with EQIPC Only) • (-) Captains Chairs (Replace with Bench Seat) • (-) Center Console, 110v Outlet, 12v In-Console Outlet, and Rear A/C Vents • (+) Rear Flat Load Floor • (+) Rear Wall Finisher with Tie-Down Hooks 	-41.5 (-91.4)	-17.71(-39.04)	-23.8 (-52.479)

TRUCK OPTION MASS – 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package (w/ King Cab® Seat Delete):</p> <ul style="list-style-type: none"> ▪ Intelligent Key System with Driver and Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto On/Off Headlights ▪ Blind Spot Warning with Rear Cross Traffic Alert and Painted Rear Bumper ▪ Step Rails (ACCY) ▪ Auto Dual Zone HVAC ▪ Convex Spotter Mirror ▪ 20" Painted Alloy Wheels ▪ Chrome Interior Door Locks (C/C and K/C Only) ▪ Rain-Sensing Wipers (C/C and K/C only) ▪ NissanConnect® with Navigation featuring Apple CarPlay™ and Android Auto™ <ul style="list-style-type: none"> ▪ Nissan Navigation with 3D building graphics and satellite imagery ▪ Connected navigation features including online POI search and online Premium Traffic information 	48.568 (107.092)	25.1261 (55.403)	23.4419 (51.689)

TRUCK OPTION MASS — 2019 MODEL YEAR

[MODEL INFORMATION]

Canada Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>S Utility Package:</p> <ul style="list-style-type: none"> • Front Overhead Console (Map Lamp, Sunglass, Storage) • Spray-on Bedliner • Receiver Hitch • 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	<p>Single Cab: 25.244 (55.663)</p> <p>King Cab®: 22.244 (49.048)</p> <p>Crew Cab: 22.244 (49.048)</p>	<p>Single Cab: -0.658 (-1.451)</p> <p>King Cab®: -1.712 (-3.775)</p> <p>Crew Cab: -1.505 (-3.319)</p>	<p>Single Cab: 25.902 (57.114)</p> <p>King Cab®: 23.956 (52.823)</p> <p>Crew Cab: 23.749 (52.367)</p>
<p>HD Front GAWR Package</p> <ul style="list-style-type: none"> • High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
<p>SV Utility Package:</p> <ul style="list-style-type: none"> • Utilitrack System with 4 Tie Down Cleats • Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Spray-on Bedliner • Flat Floor Storage Box in 2nd Row (ACCY) (C/C; K/C Only) • Molded Plate Keys (x2) (C/C; K/C Only) • Universal Garage Door Opener in Rearview Mirror 	<p>Single Cab: 35.439 (78.13)</p> <p>King Cab®: 38.537 (84.959)</p> <p>Crew Cab: 41.337 (91.148)</p>	<p>Single Cab: 1.946 (4.29)</p> <p>King Cab®: 2.914 (6.42)</p> <p>Crew Cab: 3.287 (7.248)</p>	<p>Single Cab: 33.493 (73.839)</p> <p>King Cab®: 35.623 (78.535)</p> <p>Crew Cab: 38.05 (83.900)</p>

TRUCK OPTION MASS – 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> ▪ Intelligent Key System w/ Driver & Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto On/Off Headlights ▪ Auto-dimming Rearview Mirror w/ Universal Garage Door Opener ▪ Blind Spot Warning w/ Rear Cross Traffic Alert and Painted Rear Bumper ▪ Step Rails (ACCY) ▪ Auto Dual Zone HVAC ▪ Convex Spotter Mirror ▪ 20" Painted Alloy Wheels ▪ Cloth Captains Seats with Center Console (C/C; K/C Only) ▪ 110V in Back of Center Console and 12v in Center Console (C/C; K/C Only) ▪ 2 USB-A Ports in Back of Center Console (C/C; K/C Only) ▪ 8-way Power Driver's Seat (C/C; K/C Only) ▪ Driver Seat Power Lumbar (C/C; K/C Only) ▪ Rear HVAC vents (C/C; K/C Only) ▪ Chrome Interior Door Locks (C/C; K/C Only) ▪ Rain-Sensing Wipers ▪ NissanConnect[®] with Navigation featuring Apple CarPlay[™] and Android Auto[™] <ul style="list-style-type: none"> ▪ Nissan Navigation with 3D building graphics and satellite imagery ▪ Connected navigation features including online POI search and online Premium Traffic information ▪ HD Radio ▪ SiriusXM Traffic[™] ▪ SiriusXM[®] Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) ▪ Front Driver and Passenger Seat Heaters (C/C; K/C Only) ▪ Power Slide Rear Window w/ Defogger (C/C; K/C Only) 	<p>Single Cab: 38.752 (85.448) King Cab[®]: 25.894 (57.096) Crew Cab: 33.044 (72.862)</p>	<p>Single Cab: 21.017 (46.343) King Cab[®]: 12.471 (27.499) Crew Cab: 16.365 (36.085)</p>	<p>Single Cab: 17.735 (39.106) King Cab[®]: 13.423 (29.598) Crew Cab: 16.679 (36.777)</p>

TRUCK OPTION MASS — 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Utility Package:</p> <ul style="list-style-type: none"> • Parking Sensors (Front and Rear) • Utilitrack System with 4 Tie Down Cleats • Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Power Slide Rear Window w/ Defogger • Premium Audio (12 Speakers C/C, 10 Speakers K/C) • Fender® Branding, Amp, Underseat Subwoofer & Center Spkr & Fr/Rr Tweeters • Electronic Locking Tailgate (C/C; K/C Only) (ACCY) • Rear Utility Bed Step (C/C; K/C Only) (ACCY) 	<p>King Cab®: 31.429 (69.301) Crew Cab: 31.429 (69.301)</p>	<p>King Cab®: 6.151 (13.56) Crew Cab: 6.262 (13.808)</p>	<p>King Cab®: 25.278 (55.728) Crew Cab: 25.167 (55.493)</p>
<p>PRO-4X Convenience Package:</p> <ul style="list-style-type: none"> • Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery • 4-way Power Assist Seat • Heated Steering Wheel • Heated Rear Seats (C/C only) • Power Tilt/Telescoping Steering Wheel w/Memory • Compass on NAVI Display • NissanConnect® Services Powered by SiriusXM® <ul style="list-style-type: none"> • Automatic Collision Notification, Emergency Call and Stolen Vehicle Locator • Remote Services including Lock/Unlock, Engine Start/Stop, Horn/Lights • Customizable Alerts Including Boundary, Curfew, Speed, Valet Alerts, and Maintenance Alerts • UGDO, Auto Dimming Rearview Mirror • Heated Driver and Passenger seat • Engine Remote Start Function (included on Key Fob) • Memory Driver Seat w/Auto Entry/Exit Feature, and Memory Steering Wheel • Memory Outside Mirrors with Driver and Assist Auto Dim (C/C; K/C Only) 	<p>King Cab®: 4.967 (10.952) Crew Cab: 6.067 (13.378)</p>	<p>King Cab®: 3.406 (7.510) Crew Cab: 3.938 (8.683)</p>	<p>King Cab®: 1.561 (3.442) Crew Cab: 2.129 (4.694)</p>
<p>Leather Package:</p> <ul style="list-style-type: none"> • Leather Front and Rear Seats (C/C Only) • 4-way Power Assist Seat (C/C Only) 	<p>Crew Cab: 2 (4.41)</p>	<p>Crew Cab: 1.207 (2.661)</p>	<p>Crew Cab: 0.793 (1.749)</p>

TRUCK OPTION MASS – 2019 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Premium Package: <ul style="list-style-type: none"> • Driver & Passenger Ventilated Seats • Intelligent Around View Monitor (I-AVM) • Reverse AutoTilt • TITAN Box (ACCY) • Driver and Assist Auto Dimming Outside Mirrors (C/C; K/C Only) 	Crew Cab and King Cab® : 35.98 (79.32)	King Cab® : 2.046 (4.51) Crew Cab: 2.12 (4.67)	King Cab® : 33.934 (74.81) Crew Cab: 33.86 (74.648)
Platinum Utility Package: <ul style="list-style-type: none"> • TITAN Box (ACCY) • Electronic Locking Tailgate (ACCY) • Rear Utility Bed Step (ACCY) 	Crew Cab: 37.179 (81.980)	Crew Cab: -1.740 (-3.836)	Crew Cab: 38.919 (85.816)
Monotone Paint Package: <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		
King Cab® Seat Delete: <ul style="list-style-type: none"> • (-) Rear Seat • (-) Rear Heater Duct • (-) Under Seat Storage (with EQIPC Only) • (-) Captains Chairs (Replace with Bench Seat) • (-) Center Console, 110v Outlet, 12v In-Console Outlet, and Rear A/C Vents • (+) Rear Flat Load Floor • (+) Rear Wall Finisher with Tie-Down Hooks 	-41.5 (-91.4)	-17.71(-39.04)	-23.79 (-52.479)

TRUCK OPTION MASS — 2020 MODEL YEAR

US Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Utility Package: <ul style="list-style-type: none"> ▪ Front Overhead Console (Map Lamp, Sunglass, Storage) ▪ Spray-on Bedliner ▪ Receiver Hitch ▪ 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	24.1 (53.14)	-2.2 (-4.85)	26.14 (57.64)
HD Front GAWR Package <ul style="list-style-type: none"> ▪ High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Utility Package: <ul style="list-style-type: none"> ▪ Utilitrack System with 4 Tie Down Cleats ▪ LED Tailgate Area Illumination ▪ 110v Outlet in Bed ▪ LED Under Rail Bed Lighting ▪ Spray-on Bedliner ▪ Flat Floor Function w/ Tie Down Hooks and Storage Box w/ Removable Divider and Lockable Lid ▪ Molded Plate Keys (x2) ▪ Auto-dimming Rearview Mirror w/ Universal Garage Door Opener ▪ Rain-Sensing Wipers ▪ Electronic Locking Tailgate ▪ Rear Utility Bed Step 	51.6 (113.78)	4.7 (10.36)	46.9 (103.41)

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> • Intelligent Key System w/ Driver & Passenger Request Switches • Leather Wrapped Steering Wheel • Parking Sensors (Front and Rear) • Intelligent Auto Headlights • Auto-dimming Rearview Mirror • Auto Dual Zone HVAC • 20" Painted Alloy Wheels • Cloth Captains Seats with Center Console • 110V & 12V in Back of Center Console and 12v in Center Console • 8-way Power Driver's Seat • Driver Seat Power Lumbar • Rear HVAC vents • Chrome Interior Door Locks • NissanConnect® with Navigation <ul style="list-style-type: none"> • 9" touchscreen display • Nissan Navigation with 3D building graphics and satellite imagery • Connected navigation features including online POI search and online Premium Traffic information • HD Radio • SiriusXM Traffic™ • SiriusXM® Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) • Remote Engine Start (incl on key fob) • Front Driver and Passenger Seat Heaters • Power Slide Rear Window w/ Defogger • 2 Illuminated Charge Only USB-A Ports in Back of Center Console • Dedicated Configurable Cell Phone Holder • Traffic Sign Recognition (TSR) 	15.9 (35.06)	6.9 (15.21)	9.0 (19.85)

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
PRO-4X Utility Package: <ul style="list-style-type: none"> • Parking Sensors (Front and Rear) • Utilitrack System with 4 Tie Down Cleats • LED Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Power Slide Rear Window w/ Defogger • Premium Audio (12 Speakers) • Fender® Branding, Amp, Underseat Subwoofer & Center Spkr & Fr/Rr Tweeters • Electronic Locking Tailgate • Rear Utility Bed Step 	29.8 (65.71)	4.4 (9.70)	25.5 (56.23)
PRO-4X Convenience Package: <ul style="list-style-type: none"> • Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery • 4-way Power Assist Seat • Heated Steering Wheel • Heated Rear Seats • Power Tilt/Telescoping Steering Wheel w/ Memory • Heated Driver and Passenger seat • Engine Remote Start Function (included on Key Fob) • Memory Driver Seat w/ Auto Entry/Exit Feature, and Memory Steering Wheel • Memory Outside Mirrors with Driver and Assist Auto Dim and reverse auto tilt 	4.7 (10.36)	3.0 (6.62)	1.7 (3.75)
Premium Package: <ul style="list-style-type: none"> • Driver & Passenger Ventilated Seats • Intelligent Around View Monitor (I-AVM) w/ Moving Object Detection (MOD) • TITAN Box • Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	66.4 (146.41)	17.2 (37.93)	49.4 (108.93)
Platinum Utility Package: <ul style="list-style-type: none"> • TITAN Box • Electronic Locking Tailgate • Rear Utility Bed Step 	37.2 (82.03)	-1.7 (-3.75)	38.9 (85.77)
Monotone Paint Package: <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Accessory Wheel Package: <ul style="list-style-type: none"> 20" Accessory Wheels 	-5.6 (-12.35)	-2.2 (-4.85)	-3.36 (-7.41)
Moonroof Package: <ul style="list-style-type: none"> Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	29.7 (65.49)	14.9 (32.85)	14.9 (32.85)

Canada Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Utility Package: <ul style="list-style-type: none"> Front Overhead Console (Map Lamp, Sunglass, Storage) Spray-on Bedliner Receiver Hitch 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	24.1 (53.14)	-2.2 (-4.85)	26.1 (57.55)
HD Front GAWR Package <ul style="list-style-type: none"> High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Utility Package: <ul style="list-style-type: none"> Utilitrack System with 4 Tie Down Cleats LED Tailgate Area Illumination 110v Outlet in Bed LED Under Rail Bed Lighting Spray-on Bedliner Flat Floor Function w/ Tie Down Hooks and Storage Box w/ Removable Divider and Lockable Lid Molded Plate Keys (x2) Auto-dimming Rearview Mirror w/ Universal Garage Door Opener Rain-Sensing Wipers Electronic Locking Tailgate Rear Utility Bed Step 	51.6 (113.78)	4.7 (10.36)	46.9 (103.41)

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> ▪ Intelligent Key System w/ Driver & Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto-dimming Rearview Mirror ▪ Auto Dual Zone HVAC ▪ 20" Painted Alloy Wheels ▪ Cloth Captains Seats with Center Console ▪ 110V and 12V in Back of Center Console and 12v in Center Console ▪ 2 Illuminated Charge Only USB-A Ports in Back of Center Console ▪ 8-way Power Driver's Seat ▪ Driver Seat Power Lumbar ▪ Rear HVAC vents ▪ Chrome Interior Door Locks ▪ NissanConnect® with Navigation <ul style="list-style-type: none"> ▪ 9" touchscreen display ▪ Nissan Door to Door Navigation with 3D building graphics and satellite imagery ▪ Connected navigation features including online POI search over-the-air map updates and online Premium Traffic information ▪ HD Radio ▪ SiriusXM Traffic™ ▪ SiriusXM® Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) ▪ TomTom Weather ▪ Remote Engine Start (incl on key fob) ▪ Traffic Sign Recognition (TSR) ▪ Front Driver and Passenger Seat Heaters ▪ Power Slide Rear Window w/ Defogger ▪ Dedicated Configurable Cell Phone Holder 	15.9 (35.06)	6.9 (15.21)	9.0 (19.85)

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
PRO-4X Utility Package: <ul style="list-style-type: none"> • Parking Sensors (Front and Rear) • Utilitrack System with 4 Tie Down Cleats • LED Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Power Slide Rear Window w/ Defogger • Premium Audio • Fender® Branding, Amp, Underseat Subwoofer & Center Spkr & Fr/Rr Tweeters • Electronic Locking Tailgate • Rear Utility Bed Step 	29.8 (65.71)	4.4 (9.70)	25.5 (56.23)
PRO-4X Convenience Package: <ul style="list-style-type: none"> • Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery • 4-way Power Assist Seat • Heated Steering Wheel • Heated Rear Seats • Power Tilt/Telescoping Steering Wheel w/ Memory • Engine Remote Start Function (included on key fob) • Memory Driver Seat w/Auto Entry/Exit Feature and Memory Steering Wheel • Memory Outside Mirrors with Driver and Assist Auto Dim and reverse auto tilt 	4.7 (10.36)	3.0 (6.62)	1.7 (3.75)
Premium Package: <ul style="list-style-type: none"> • Driver & Passenger Ventilated Seats • Intelligent Around View Monitor (I-AVM) w/ Moving Object Detection (MOD) • TITAN Box • Dual Panel Panoramic Moonroof w/ Tilt, Slide (One Touch Open/Close) 	66.4 (146.41)	17.2 (37.93)	49.4 (108.93)
Platinum Utility Package: <ul style="list-style-type: none"> • TITAN Box • Electronic Locking Tailgate • Rear Utility Bed Step 	37.2 (82.03)	-1.7 (-3.75)	38.9 (85.77)
Monotone Paint Package: <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		

TRUCK OPTION MASS — 2020 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Accessory Wheel Package: <ul style="list-style-type: none"> • 20" Accessory Wheels 	-5.6 (-12.35)	-2.2 (-4.85)	-3.36 (7.41)
Moonroof Package: <ul style="list-style-type: none"> • Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	29.7 (65.49)	14.9 (32.85)	14.9 (32.85)

TRUCK OPTION MASS — 2021 MODEL YEAR

US Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
HD Front GAWR Package <ul style="list-style-type: none"> High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Utility Package: <ul style="list-style-type: none"> Utilitrack System with 4 Tie Down Cleats LED Tailgate Area Illumination 110v Outlet in Bed LED Under Rail Bed Lighting Spray-on Bedliner Flat Floor Function w/ Tie Down Hooks and Storage Box w/ Removable Divider and Lockable Lid Molded Plate Keys (x2) Auto-dimming Rearview Mirror w/ Universal Garage Door Opener Rain-Sensing Wipers Electronic Locking Tailgate Rear Utility Bed Step 	51.6 (113.78)	4.7 (10.36)	46.9 (103.41)

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> ▪ Intelligent Key System w/ Driver & Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto-dimming Rearview Mirror ▪ Auto Dual Zone HVAC ▪ 20" Painted Alloy Wheels ▪ Cloth Captains Seats with Center Console ▪ 110V & 12V in Back of Center Console and 12v in Center Console ▪ 8-way Power Driver's Seat ▪ Driver Seat Power Lumbar ▪ Rear HVAC vents ▪ NissanConnect[®] with Navigation <ul style="list-style-type: none"> ▪ 9" touchscreen display ▪ Nissan Navigation with 3D building graphics and satellite imagery ▪ Connected navigation features including online POI search, over-the-air map updates and online Premium Traffic information ▪ SiriusXM Traffic[™] ▪ SiriusXM[®] Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) ▪ TomTom Weather ▪ Remote Engine Start (incl on key fob) ▪ Front Driver and Passenger Seat Heaters ▪ Power Slide Rear Window w/ Defogger ▪ 2 Illuminated Charge Only USB-A Ports in Back of Center Console ▪ Dedicated Configurable Cell Phone Holder ▪ Traffic Sign Recognition (TSR) 	16.2 (35.72)	71 (15.66)	9.1 (20.07)

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
PRO-4X Convenience Package: <ul style="list-style-type: none"> Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery 4-way Power Assist Seat Heated Steering Wheel Heated Rear Seats Power Tilt/Telescoping Steering Wheel w/ Memory Heated Driver and Passenger seat Engine Remote Start Function (included on Key Fob) Memory Driver Seat w/ Auto Entry/Exit Feature, and Memory Steering Wheel Memory Outside Mirrors with Driver and Assist Auto Dim and reverse auto tilt 	4.7 (10.36)	3.0 (6.62)	1.7 (3.75)
Premium Package: <ul style="list-style-type: none"> Driver & Passenger Ventilated Seats Intelligent Around View Monitor (I-AVM) w/ Moving Object Detection (MOD) TITAN Box Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	66.4 (146.41)	17.2 (37.93)	49.4 (108.93)
Platinum Utility Package: <ul style="list-style-type: none"> TITAN Box Electronic Locking Tailgate Rear Utility Bed Step 	37.2 (82.03)	-1.7 (-3.75)	38.9 (85.77)
Monotone Paint Package: <ul style="list-style-type: none"> Body Color Front Bumper Body Color Rear Bumper Body Color Over Fenders 	This option package does not affect vehicle mass.		
Accessory Wheel Package: <ul style="list-style-type: none"> 20" Accessory Wheels 	-5.6 (-12.35)	-2.2 (-4.85)	-3.4 (-7.50)
Moonroof Package: <ul style="list-style-type: none"> Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	29.7 (65.49)	14.9 (32.85)	14.9 (32.85)

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

Canada Models

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
S Utility Package: <ul style="list-style-type: none"> ▪ Front Overhead Console (Map Lamp, Sunglass, Storage) ▪ Spray-on Bedliner ▪ Receiver Hitch ▪ 4-pin/7-pin Wiring Harness Connector (Rear Bumper) 	24.1 (53.14)	-2.2 (-4.85)	26.1 (57.55)
HD Front GAWR Package <ul style="list-style-type: none"> ▪ High Capacity Front Springs (4x4 V8 Gas only) 	This option package does not affect vehicle mass.		
SV Utility Package: <ul style="list-style-type: none"> ▪ Utilitrack System with 4 Tie Down Cleats ▪ LED Tailgate Area Illumination ▪ 110v Outlet in Bed ▪ LED Under Rail Bed Lighting ▪ Spray-on Bedliner ▪ Flat Floor Function w/ Tie Down Hooks and Storage Box w/ Removable Divider and Lockable Lid ▪ Molded Plate Keys (x2) ▪ Auto-dimming Rearview Mirror w/ Universal Garage Door Opener ▪ Rain-Sensing Wipers ▪ Electronic Locking Tailgate ▪ Rear Utility Bed Step 	51.6 (113.78)	4.7 (10.36)	46.9 (103.41)

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>SV Convenience Package:</p> <ul style="list-style-type: none"> ▪ Intelligent Key System w/ Driver & Passenger Request Switches ▪ Leather Wrapped Steering Wheel ▪ Parking Sensors (Front and Rear) ▪ Auto-dimming Rearview Mirror ▪ Auto Dual Zone HVAC ▪ 20" Painted Alloy Wheels ▪ Cloth Captains Seats with Center Console ▪ 110V and 12V in Back of Center Console and 12v in Center Console ▪ 2 Illuminated Charge Only USB-A Ports in Back of Center Console ▪ 8-way Power Driver's Seat ▪ Driver Seat Power Lumbar ▪ Rear HVAC vents ▪ NissanConnect® with Navigation <ul style="list-style-type: none"> ▪ 9" touchscreen display ▪ Nissan Door to Door Navigation with 3D building graphics and satellite imagery ▪ Connected navigation features including online POI search over-the-air map updates and online Premium Traffic information ▪ SiriusXM Traffic™ ▪ SiriusXM® Travel Link (Weather, Fuel prices, Movie listings, Stock info, Sports and Parking) ▪ TomTom Weather ▪ Remote Engine Start (incl on key fob) ▪ Traffic Sign Recognition (TSR) ▪ Front Driver and Passenger Seat Heaters ▪ Power Slide Rear Window w/ Defogger ▪ Dedicated Configurable Cell Phone Holder 	16.2 (35.72)	71 (15.66)	9.1 (20.07)

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
<p>PRO-4X Utility Package:</p> <ul style="list-style-type: none"> • Parking Sensors (Front and Rear) • Utilitrack System with 4 Tie Down Cleats • LED Tailgate Area Illumination • 110v Outlet in Bed • LED Under Rail Bed Lighting • Power Slide Rear Window w/ Defogger • Premium Audio • Fender® Branding, Amp, Underseat Subwoofer & Center Spkr & Fr/Rr Tweeters • Electronic Locking Tailgate • Rear Utility Bed Step 	29.8 (65.71)	4.4 (9.70)	25.5 (56.23)
<p>PRO-4X Convenience Package:</p> <ul style="list-style-type: none"> • Leather Seats w/ Contrasting Stitch (Unique for PRO-4X) and "PRO-4X" Embroidery • 4-way Power Assist Seat • Heated Steering Wheel • Heated Rear Seats • Power Tilt/Telescoping Steering Wheel w/ Memory • Engine Remote Start Function (included on key fob) • Memory Driver Seat w/Auto Entry/Exit Feature and Memory Steering Wheel • Memory Outside Mirrors with Driver and Assist Auto Dim and reverse auto tilt • Trailer Light Check Function (included in key fob) 	4.7 (10.36)	3.0 (6.62)	1.7 (3.75)
<p>Premium Package:</p> <ul style="list-style-type: none"> • Driver & Passenger Ventilated Seats • Intelligent Around View Monitor (I-AVM) w/ Moving Object Detection (MOD) • TITAN Box • Dual Panel Panoramic Moonroof w/ Tilt, Slide (One Touch Open/Close) 	66.4 (146.41)	17.2 (37.93)	49.4 (108.93)
<p>Platinum Utility Package:</p> <ul style="list-style-type: none"> • TITAN Box • Electronic Locking Tailgate • Rear Utility Bed Step 	37.2 (82.03)	-1.7 (-3.75)	38.9 (85.77)
<p>Monotone Paint Package:</p> <ul style="list-style-type: none"> • Body Color Front Bumper • Body Color Rear Bumper • Body Color Over Fenders 	This option package does not affect vehicle mass.		

TRUCK OPTION MASS – 2021 MODEL YEAR

[MODEL INFORMATION]

OPTION PACKAGE DESCRIPTION	kg (lb)		
	Total	Front	Rear
Accessory Wheels: <ul style="list-style-type: none"> 20" Accessory Wheels 	-5.6 (-12.35)	-2.2 (-4.85)	-3.4 (7.50)
Moonroof Package: <ul style="list-style-type: none"> Dual Panel Panoramic Moonroof w/ Tilt, Slide (One-Touch Open/Close) 	29.7 (65.49)	14.9 (32.85)	14.9 (32.85)

RESOURCE CHARTS

WEIGHTS — 2016–2017 MODEL YEARS, 2WD VEHICLES (Diesel)

NOTE:

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2016–2017 Model Years

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Final Drive Ratio	—	3.916 : 1			
Base Curb Weight - Total	Kg (lbs)	3,043.8 (6,710.5)	3,113.4 (6,863.9)	3,221.1 (7,101.3)	3,229.6 (7,120.1)
Base Curb Weight - Rear	Kg (lbs)	1,202.4 (2,650.8)	1,258.4 (2,774.2)	1,324.1 (2,919.1)	1,328.3 (2,928.3)
Base Curb Weight - Front	Kg (lbs)	1,841.4 (4,059.7)	1,855.0 (4,089.7)	1,897.0 (4,182.3)	1,901.3 (4,191.7)
Maximum GCWR	Kg (lbs)	8,822 (19,450)			
Maximum GVWR	Kg (lbs)	3,992 (8,800)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	943.5 (2,080)	875.4 (1,930)	766.6 (1,690)	757.5 (1,670)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)				
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES			
Item	Model→	King Cab®	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	2,952.8 (6,509.8)	3,023.1 (6,664.8)
Base Curb Weight - Rear	Kg (lbs)	1,187.6 (2,618.2)	1,243.8 (2,742.1)
Base Curb Weight - Front	Kg (lbs)	1,765.2 (3,891.6)	1,779.3 (3,922.7)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	3,992 (8,800)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,038.8 (2,290)	968.5 (2,130)
Rear GAWR	Kg (lbs)	2,223 (4,900)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	

Single Cab — 2017 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	2,892.8 (6,377.5)	2,963.1 (6,532.5)
Base Curb Weight - Rear	Kg (lbs)	1,091.8 (2,407.0)	1,148.0 (2,530.9)
Base Curb Weight - Front	Kg (lbs)	1,801.0 (3,970.5)	1,815.1 (4,001.6)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	3,992.0 (8,800.9)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,097.7 (2,420)	1,025.1 (2,260)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.9)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2016–2017 MODEL YEARS, 4WD VEHICLES (Diesel)

NOTE:

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2016–2017 Model Years

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Final Drive Ratio	—	3.916 : 1				
Base Curb Weight - Total	USA Kg (lbs)	3,169.2 (6,986.8)	3,238.8 (7,140.3)	3,346.5 (7,377.7)	3,286.9 (7,246.3)	3,355.0 (7,396.5)
	CANADA Kg (lbs)	3,174.6 (6,998.8)	3,244.8 (7,153.5)	3,351.8 (7,389.4)	3,292.2 (7,258.0)	3,360.3 (7,408.2)
Base Curb Weight - Rear	USA Kg (lbs)	1,227.2 (2,705.6)	1,283.2 (2,829.0)	1,348.9 (2,973.9)	1,321.3 (2,913.0)	1,353.1 (2,983.1)
	CANADA Kg (lbs)	1,232.4 (2,717.0)	1,288.6 (2,840.9)	1,354.1 (2,985.3)	1,326.5 (2,924.5)	1,358.3 (2,994.6)
Base Curb Weight - Front	USA Kg (lbs)	1,942.0 (4,281.3)	1,955.6 (4,311.3)	1,997.6 (4,403.9)	1,965.6 (4,333.3)	2,001.9 (4,413.3)
	CANADA Kg (lbs)	1,942.0 (4,281.3)	1,956.2 (4,312.6)	1,997.7 (4,404.1)	1,965.7 (4,333.5)	2,002.0 (4,413.6)
Maximum GCWR	Kg (lbs)	8,822 (19,450)				
Maximum GVWR	Kg (lbs)	4,078 (8,990)				
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/60R20 1,285 (2,835)
Standard Payload	Kg (lbs)	907.2 (2,000)	834.6 (1,840)	730.3 (1,610)	789.3 (1,740)	721.2 (1,590)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)					
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

WEIGHTS — 4WD VEHICLES					
Item	Model →	King Cab®			
	Grade →	S	SV	Pro-4X	
	Engine →	Cummins 5.0L			
Final Drive Ratio	—	3.916 : 1			
Base Curb Weight - Total	USA Kg (lbs)	3,115.7 (6,868.8)	3,186.0 (7,023.8)	3,230.2 (7,121.3)	
	Canada Kg (lbs)	3,111.6 (6,859.9)	3,181.9 (7,014.9)	3,227.5 (7,115.4)	
Base Curb Weight - Rear	USA Kg (lbs)	1,196.8 (2,638.6)	1,252.5 (2,761.4)	1,287.8 (2,839.2)	
	Canada Kg (lbs)	1,196.8 (2,638.60)	1,252.5 (2,761.4)	1,288.0 (2,839.6)	
Base Curb Weight - Front	USA Kg (lbs)	1,918.8 (4,230.3)	1,933.4 (4,262.5)	1,942.3 (4,282.1)	
	Canada Kg (lbs)	1,918.8 (4,230.3)	1,933.4 (4,262.5)	1,942.5 (4,282.5)	
Maximum GCWR	Kg (lbs)	8,822 (19,450)			
Maximum GVWR	Kg (lbs)	4,078 (8,990)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—		LT275/65R18 1,360 (3,000)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)	
Standard Payload	With Rear Seating	USA Kg (lbs)	966.2 (2,130)	895.9 (1,970)	851.3 (1,870)
		Canada Kg (lbs)	966.2 (2,130)	895.9 (1,970)	850.3 (1,870)
	With Rear Seat Delete	USA Kg (lbs)	1,002.4 (2,210)	929.9 (2,050)	—
		Canada Kg (lbs)	1,002.4 (2,210)	—	

WEIGHTS — 4WD VEHICLES				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	Cummins 5.0L		
Rear GAWR	Kg (lbs)	2,223 (4,900)		
Front GAWR	Kg (lbs)			
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)		
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Bed Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)		
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		

WEIGHTS — 4WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	3,018.8 (6,655.4)	3,089.1 (6,810.4)
Base Curb Weight - Rear	Kg (lbs)	1,146.3 (2,527.2)	1,202.5 (2,651.1)
Base Curb Weight - Front	Kg (lbs)	1,872.5 (4,128.2)	1,886.6 (4,159.2)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	4,078.0 (8,990.5)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,056.9 (2,330)	984.3 (2,170)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.9)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2018 MODEL YEAR, 2WD VEHICLES (Diesel)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2018 Model Year

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Final Drive Ratio	—	3.916 : 1			
Base Curb Weight - Total	Kg (lbs)	3,044.2 (6,711.3)	3,113.8 (6,864.8)	3,220.5 (7,100.0)	3,229.0 (7,118.8)
Base Curb Weight - Rear	Kg (lbs)	1,202.6 (2,651.2)	1,258.6 (2,774.7)	1,323.3 (2,917.3)	1,327.5 (2,926.6)
Base Curb Weight - Front	Kg (lbs)	1,841.6 (4,060.1)	1,855.2 (4,090.1)	1,897.2 (4,182.7)	1,901.5 (4,192.2)
Maximum GCWR	Kg (lbs)	8,822 (19,450)			
Maximum GVWR	Kg (lbs)	3,992 (8,800)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	943.5 (2,080)	875.4 (1,930)	766.6 (1,690)	762 (1,680)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)				
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

King Cab® — 2018 Model Year

WEIGHTS — 2WD VEHICLES				
Item		Model→	King Cab®	
		Grade→	S	SV
		Engine→	Cummins 5.0L	
Final Drive Ratio		—	3.916 : 1	
Base Curb Weight - Total	With Rear Seating	Kg (lbs)	2,952.8 (6,509.7)	3,023.1 (6,664.7)
	With Seat Delete	Kg (lbs)	2,910.9 (6,417.3)	2,981.2 (6,572.3)
Base Curb Weight - Rear	With Rear Seating	Kg (lbs)	1,187.6 (2,618.2)	1,243.8 (2,742.1)
	With Seat Delete	Kg (lbs)	1,163.6 (2,565.3)	1,219.8 (2,689.2)
Base Curb Weight - Front	With Rear Seating	Kg (lbs)	1,765.1 (3,891.5)	1,779.2 (3,922.5)
	With Seat Delete	Kg (lbs)	1,747.2 (3,852.0)	1,761.3 (3,883.1)
Maximum GCWR		Kg (lbs)	8,822 (19,450)	
Maximum GVWR		Kg (lbs)	3,992 (8,800)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload		Kg (lbs)	1,038.7 (2,290)	966.2 (2,130)
Rear GAWR		Kg (lbs)	2,223 (4,900)	
Front GAWR		Kg (lbs)		
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	

Single Cab — 2018 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	2,893.2 (6,378.4)	2,963.5 (6,533.4)
Base Curb Weight - Rear	Kg (lbs)	1,092.0 (2,407.4)	1,148.2 (2,531.3)
Base Curb Weight - Front	Kg (lbs)	1,801.2 (3,971.0)	1,815.3 (4,002.1)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	3,992.0 (8,800.0)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,097.7 (2,420)	1,025.1 (2,260)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2018 MODEL YEAR, 4WD VEHICLES (Diesel)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2018 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	Cummins 5.0L				
Final Drive Ratio	—	3.916 : 1				
Base Curb Weight - Total	USA Kg (lbs)	3,169.6 (6,987.7)	3,239.2 (7,141.2)	3,345.9 (7,376.4)	3,286.3 (7,245.0)	3,354.4 (7,395.1)
	CANADA Kg (lbs)	3,169.6 (6,987.7)	3,239.2 (7,141.2)	3,346.3 (7,377.3)	3,286.7 (7,245.9)	3,354.8 (7,396.0)
Base Curb Weight - Rear	USA Kg (lbs)	1,227.4 (2,706.0)	1,283.4 (2,829.5)	1,348.1 (2,972.1)	1,320.5 (2,911.3)	1,352.3 (2,981.4)
	CANADA Kg (lbs)	1, 227.4 (2,706.0)	1,283.4 (2,829.5)	1,348.3 (2,972.5)	1,320.7 (2,911.7)	1,352.5 (2,981.8)
Base Curb Weight - Front	USA Kg (lbs)	1,942.2 (4,281.7)	1,955.8 (4,311.7)	1,997.8 (4,404.3)	1,965.8 (4,333.8)	2,002.1 (4,413.8)
	CANADA Kg (lbs)	1,942.2 (4,281.7)	1,955.8 (4,311.7)	1,998.0 (4,404.7)	1,966.0 (4,334.2)	2,002.3 (4,414.2)
Maximum GCWR	Kg (lbs)	8,822 (19,450)				
Maximum GVWR	Kg (lbs)	4,078 (8,990)				
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/60R20 1,285 (2,835)
Standard Payload	Kg (lbs)	907.2 (2,000)	834.6 (1,840)	730.3 (1,610)	789.3 (1,740)	721.2 (1,590)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)					
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

King Cab® — 2018 Model Year

WEIGHTS — 4WD VEHICLES					
Item		Model →	King Cab®		
		Grade →	S	SV	Pro-4X
		Engine →	Cummins 5.0L		
Final Drive Ratio		—	3.916 : 1		
Base Curb Weight - Total	With Rear Seating	USA Kg (lbs)	3,115.7 (6,868.8)	3,186.0 (7,023.8)	3,230.2 (7,121.3)
		Canada Kg (lbs)	3,111.6 (6,859.9)	3,181.9 (7,014.9)	3,227.5 (7,115.4)
	With Rear Seat Delete	USA Kg (lbs)	3,073.8 (6,776.5)	3,144.1 (6,931.5)	—
		Canada Kg (lbs)	3,074.2 (6,777.4)	—	
Base Curb Weight - Rear	With Rear Seating	USA Kg (lbs)	1,196.8 (2,638.6)	1,252.5 (2,761.4)	1,287.8 (2,839.2)
		Canada Kg (lbs)	1,196.8 (2,638.6)	1,252.5 (2,761.4)	1,288.0 (2,839.6)
	With Rear Seat Delete	USA Kg (lbs)	1,172.8 (2,585.7)	1,228.5 (2,708.5)	—
		Canada Kg (lbs)	1,173.0 (2,586.1)	—	
Base Curb Weight - Front	With Rear Seating	USA Kg (lbs)	1,918.8 (4,230.3)	1,933.4 (4,262.5)	1,942.3 (4,282.1)
		Canada Kg (lbs)	1,918.8 (4,230.3)	1,933.4 (4,262.5)	1,942.5 (4,282.5)
	With Rear Seat Delete	USA Kg (lbs)	1,900.9 (4,190.8)	1,915.5 (4,223.0)	—
		Canada Kg (lbs)	1,901.1 (4,191.2)	—	
Maximum GCWR		Kg (lbs)	8,822 (19,450)		
Maximum GVWR		Kg (lbs)	4,078 (8,990)		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)		—
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear		Kg (lbs)	—		LT275/65R18 1,360 (3,000)

WEIGHTS — 4WD VEHICLES				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	Cummins 5.0L		
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)
Standard Payload	Kg (lbs)	961.6 (2,120)	889 (1,960)	843.7(1,860)
Rear GAWR	Kg (lbs)	2,223 (4,900)		
Front GAWR	Kg (lbs)			
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)		
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Bed Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)		
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		

Single Cab — 2018 Model Year

WEIGHTS — 4WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	3,019.2 (6,656.3)	3,089.5 (6,811.2)
Base Curb Weight - Rear	Kg (lbs)	1,146.5 (2,527.7)	1,202.7 (2,651.6)
Base Curb Weight - Front	Kg (lbs)	1,872.7 (4,128.6)	1,886.8 (4,159.7)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	4,078.0 (8,990.0)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,056.9 (2,330)	984.3 (2,170)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2019 MODEL YEAR, 2WD VEHICLES (Diesel)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2019 Model Year

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Final Drive Ratio	—	3.916 : 1			
Base Curb Weight - Total	Kg (lbs)	3,093.2 (6,819.3)	3,163.3 (6,973.9)	3,270.5 (7,210.2)	3,278.3 (7,227.4)
Base Curb Weight - Rear	Kg (lbs)	1,224.2 (2,698.9)	1,280.9 (2,823.9)	1,345.9 (2,967.2)	1,340.2 (2,976.9)
Base Curb Weight - Front	Kg (lbs)	1,869.0 (4,120.4)	1,882.4 (4,149.9)	1,924.6 (4,243.0)	1,928.0 (4,250.5)
Maximum GCWR	Kg (lbs)	8,822 (19,450)			
Maximum GVWR	Kg (lbs)	3,992 (8,800)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	898.1 (1,980)	825.5 (1,820)	716.7 (1,580)	712.1 (1,570)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)				
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	Cummins 5.0L			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES				
Item		Model →	King Cab®	
		Grade →	S	SV
		Engine →	Cummins 5.0L	
Final Drive Ratio		—	3.916 : 1	
Base Curb Weight - Total	With Rear Seating	Kg (lbs)	2,967.3 (6,541.9)	3,038.1 (6,698.0)
	With Seat Delete	Kg (lbs)	2,925.7 (6,450.2)	2,996.5 (6,606.2)
Base Curb Weight - Rear	With Rear Seating	Kg (lbs)	1,195.5 (2,635.6)	1,252.4 (2,761.0)
	With Seat Delete	Kg (lbs)	1,171.2 (2,582.0)	1,228.1 (2,707.5)
Base Curb Weight - Front	With Rear Seating	Kg (lbs)	1,771.9 (3,906.3)	1,785.8 (3,936.9)
	With Seat Delete	Kg (lbs)	1,754.6 (3,868.1)	1,768.5 (3,898.8)
Maximum GCWR	With Rear Seating	Kg (lbs)	8,822 (19,450)	
	With Seat Delete	Kg (lbs)	6,940 (15,300)	
Maximum GVWR	With Rear Seating	Kg (lbs)	3,992 (8,800)	
	With Seat Delete	Kg (lbs)	3,221 (7,100)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	With Rear Seating	Kg (lbs)	1,020.6 (2,250)	952.5 (2,100)
	With Seat Delete	Kg (lbs)	1,061.4 (2,340)	993.4 (2,190)
Rear GAWR	With Rear Seating	Kg (lbs)	2,223 (4,900)	
	With Seat Delete	Kg (lbs)	1,820 (4,012)	
Front GAWR	With Rear Seating	Kg (lbs)	2,223 (4,900)	
	With Seat Delete	Kg (lbs)	1,724 (3,800)	
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	

Single Cab — 2019 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	Kg (lbs)	2,860.5 (6,306.2)	2,931.3 (6,462.3)
Base Curb Weight - Rear	Kg (lbs)	1,081.4 (2,384.0)	1,138.3 (2,509.5)
Base Curb Weight - Front	Kg (lbs)	1,779.1 (3,922.2)	1,793.0 (3,952.8)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	3,992 (8,800)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,129.4 (2,490)	1,056.9 (2,330)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2019 MODEL YEAR, 4WD VEHICLES (Diesel)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2019 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	Cummins 5.0L				
Final Drive Ratio	—	3.916 : 1				
Base Curb Weight - Total	USA Kg (lbs)	3,202.8 (7,060.9)	3,272.9 (7,215.5)	3,380.1 (7,451.8)	3,321.5 (7,322.6)	3,388.6 (7,470.5)
	CANADA Kg (lbs)	3,202.8 (7,060.9)	3,272.4 (7,214.4)	3,379.5 (7,450.5)	3,319.9 (7,319.1)	3,388.0 (7,469.2)
Base Curb Weight - Rear	USA Kg (lbs)	1,264.5 (2,787.7)	1,321.2 (2,912.7)	1,386.2 (3,056.0)	1,358.7 (2,995.3)	1,390.4 (3,065.2)
	CANADA Kg (lbs)	1,264.5 (2,787.7)	1,320.5 (2,911.1)	1,385.4 (3,054.2)	1,357.8 (2,993.4)	1,389.6 (3,063.5)
Base Curb Weight - Front	USA Kg (lbs)	1,938.3 (4,273.3)	1,951.7 (4,302.8)	1,993.9 (4,395.8)	1,962.8 (4,327.3)	1,998.2 (4,405.3)
	CANADA Kg (lbs)	1,938.3 (4,273.3)	1,951.9 (4,303.2)	1,994.1 (4,396.3)	1,962.1 (4,325.7)	1,998.4 (4,405.8)
Maximum GCWR	Kg (lbs)	8,822 (19,450)				
Maximum GVWR	Kg (lbs)	4,078 (8,990)				
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/60R20 1,285 (2,835)
Standard Payload	USA Kg (lbs)	870.9 (1,920)	802.9 (1,770)	694.0 (1,530)	753.0 (1,660)	684.9 (1,510)
	CANADA Kg (lbs)				757.5 (1,670)	689.5 (1,520)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)					
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

WEIGHTS — 4WD VEHICLES					
Item		Model→	King Cab®		
		Grade→	S	SV	Pro-4X
		Engine→	Cummins 5.0L		
Final Drive Ratio		—	3.916 : 1		
Base Curb Weight - Total	With Rear Seating	USA Kg (lbs)	3,130.2 (6,901.0)	3,201.0 (7,057.1)	3,246.7 (7,157.8)
		Canada Kg (lbs)	3,130.2 (6,901.0)	3,200.5 (7,056.0)	3,245.1 (7,154.3)
	With Rear Seat Delete	USA Kg (lbs)	3,088.6 (6,809.3)	3,159.4 (6,965.4)	—
		Canada Kg (lbs)	3,089.2 (6,810.6)	—	
Base Curb Weight - Rear	With Rear Seating	USA Kg (lbs)	1,232.6 (2,717.3)	1,289.0 (2,841.7)	1,324.7 (2,920.4)
		Canada Kg (lbs)	1,232.6 (2,717.3)	1,288.3 (2,840.1)	1,323.8 (2,918.4)
	With Rear Seat Delete	USA Kg (lbs)	1,208.3 (2,663.8)	1,264.7 (2,788.1)	—
		Canada Kg (lbs)	1,209.5 (2,666.4)	—	
Base Curb Weight - Front	With Rear Seating	USA Kg (lbs)	1,897.7 (4,183.7)	1,912.1 (4,215.4)	1,922.1 (4,237.5)
		Canada Kg (lbs)	1,897.7 (4,183.7)	1,912.3 (4,215.8)	1,921.4 (4,235.9)
	With Rear Seat Delete	USA Kg (lbs)	1,880.4 (4,145.5)	1,894.8 (4,177.3)	—
		Canada Kg (lbs)	1,879.8 (4,144.2)	—	

WEIGHTS — 4WD VEHICLES

Item		Model→	King Cab®			
		Grade→	S	SV	Pro-4X	
		Engine→	Cummins 5.0L			
Maximum GCWR	With Rear Seating	USA Kg (lbs)	8,822 (19,450)			
		Canada Kg (lbs)				
	With Rear Seat Delete	USA Kg (lbs)	6,940 (15,300)	—		
		Canada Kg (lbs)	8,822 (19,450)	—		
Maximum GVWR	With Rear Seating	USA Kg (lbs)	4,078 (8,990)			
		Canada Kg (lbs)				
	With Rear Seat Delete	USA Kg (lbs)	3,311 (7,300)	—		
		Canada Kg (lbs)	4,078 (8,990)	—		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear		Kg (lbs)	—		LT275/65R18 1,360 (3,000)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)	
Standard Payload	With Rear Seating	USA Kg (lbs)	943.5 (2,080)	875.4 (1,930)	830.1 (1,830)	
		Canada Kg (lbs)				
	With Rear Seat Delete	USA Kg (lbs)	988.8 (2,180)	916.3 (2,020)	—	
		Canada Kg (lbs)	984.3 (2,170)	—		

WEIGHTS — 4WD VEHICLES

Item	Model→	King Cab®			
		Grade→	S	SV	Pro-4X
		Engine→	Cummins 5.0L		
Rear GAWR	With Rear Seating	USA Kg (lbs)	2,223 (4,900)		
		Canada Kg (lbs)			
	With Rear Seat Delete	USA Kg (lbs)	1,820 (4,012)	—	
		Canada Kg (lbs)	2,223 (4,900)	—	
Front GAWR	With Rear Seating	USA Kg (lbs)	2,223 (4,900)		
		Canada Kg (lbs)			
	With Rear Seat Delete	USA Kg (lbs)	1,724 (3,800)	—	
		Canada Kg (lbs)	2,223 (4,900)	—	
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)		
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)		
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)		
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)		
Bed Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)		
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)		
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)		

Single Cab — 2019 Model Year

WEIGHTS — 4WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Final Drive Ratio	—	3.916 : 1	
Base Curb Weight - Total	USA Kg (lbs)	2,986.5 (6,584.1)	3,057.3 (6,740.2)
	Canada Kg (lbs)		3,056.8 (6,739.1)
Base Curb Weight - Rear	USA Kg (lbs)	1,135.8 (2,504.1)	1,192.7 (2,629.5)
	Canada Kg (lbs)		1,192.0 (2,628.0)
Base Curb Weight - Front	USA Kg (lbs)	1,850.7 (4,080.0)	1,864.6 (4,110.6)
	Canada Kg (lbs)		1,864.8 (4,111.1)
Maximum GCWR	Kg (lbs)	8,822 (19,450)	
Maximum GVWR	Kg (lbs)	4,078.0 (8,990.0)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,088.6 (2,400)	1,016.0 (2,240)
	Canada Kg (lbs)		1,020.6 (2,250)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 4WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2016-2017 MODEL YEARS, 2WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG)** (pg. 88).

Crew Cab — 2016-2017 Model Years

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	VK56VD (5.6L)			
Final Drive Ratio	—	3.357 : 1			
Base Curb Weight - Total	Kg (lbs)	2,724.1 (6,005.5)	2,793.7 (6,158.9)	2,901.4 (6,396.4)	2,909.9 (6,415.1)
Base Curb Weight - Rear	Kg (lbs)	1,162.6 (2,563.2)	1,218.6 (2,686.7)	1,284.3 (2,831.5)	1,288.5 (2,840.8)
Base Curb Weight - Front	Kg (lbs)	1,561.4 (3,442.3)	1,575.0 (3,472.3)	1,617.0 (3,564.9)	1,621.3 (3,574.4)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	
Maximum GVWR	Kg (lbs)	3,901 (8,600)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	1,174.8 (2,590)	1,106.8 (2,440)	997.9 (2,200)	988.8 (2,180)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)	1,962 (4,325)			
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES			
Item	Model→	King Cab®	
	Grade→	S	SV
	Engine→	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	Kg (lbs)	2,669.6 (5,885.5)	2,739.9 (6,040.4)
Base Curb Weight - Rear	Kg (lbs)	1,189.3 (2,622.0)	1,245.5 (2,745.9)
Base Curb Weight - Front	Kg (lbs)	1,480.3 (3,263.5)	1,494.4 (3,294.6)
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	Kg (lbs)	3,901 (8,600)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	Kg (lbs)	1,231.3 (2,710)	1,161.0 (2,550)
Rear GAWR	Kg (lbs)	2,223 (4,900)	
Front GAWR	Kg (lbs)	1,962 (4,325)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	

Single Cab — 2017 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	USA Kg (lbs)	2,577.2 (5,681.8)	2,647.5 (5,836.7)
	Canada Kg (lbs)	2,577.8 (5,683.1)	—
Base Curb Weight - Rear	USA Kg (lbs)	1,002.0 (2,209.0)	1,058.2 (2,332.9)
	Canada Kg (lbs)	1,002.0 (2,209.0)	—
Base Curb Weight - Front	USA Kg (lbs)	1,575.2 (3,472.7)	1,589.3 (3,503.8)
	Canada Kg (lbs)	1,575.8 (3,474.0)	—
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	USA Kg (lbs)	3,896.0 (8,589.2)	
	Canada Kg (lbs)	3,901 (8,600)	—
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,320 (2,910)	1,220.2 (2,690)
	Canada Kg (lbs)	1,320 (2,910)	—
Rear GAWR	Kg (lbs)	2,223.0 (4,900.9)	
Front GAWR	Kg (lbs)	1,962.0 (4,325.5)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	

WEIGHTS — 2WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	VK56VD (5.6L)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2016–2017 MODEL YEARS, 4WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG)** (pg. 88).

Crew Cab — 2016–2017 Model Years

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	VK56VD (5.6L)				
Final Drive Ratio	—	3.357 : 1				
Base Curb Weight - Total	USA Kg (lbs)	2,847.0 (6,276.6)	2,916.6 (6,430.1)	3,024.3 (6,667.5)	2,964.7 (6,536.1)	3,032.8 (6,686.2)
	CANADA Kg (lbs)	2,852.8 (6,289.4)	2,922.4 (6,442.8)	3,032.0 (6,684.5)	2,969.7 (6,547.1)	3,038.5 (6,698.8)
Base Curb Weight - Rear	USA Kg (lbs)	1,166.6 (2,572.0)	1,222.6 (2,695.5)	1,288.3 (2,840.3)	1,260.7 (2,779.5)	1,292.5 (2,849.6)
	CANADA Kg (lbs)	1,171.8 (2,583.5)	1,227.8 (2,706.9)	1,294.3 (2,853.5)	1,265.9 (2,790.9)	1,297.7 (2,861.0)
Base Curb Weight - Front	USA Kg (lbs)	1,680.4 (3,704.6)	1,694.0 (3,734.6)	1,736.0 (3,827.2)	1,704.0 (3,756.6)	1,740.3 (3,836.7)
	CANADA Kg (lbs)	1,681.0 (3,705.9)	1,694.6 (3,735.9)	1,737.7 (3,830.9)	1,703.8 (3,756.2)	1,740.8 (3,837.8)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	8,029 (17,700)	7,666 (16,900)
Maximum GVWR	Kg (lbs)	3,992 (8,800)	3,969 (8,750)	3,960 (8,730)	3,992 (8,800)	3,924 (8,650)
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/ 60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/ 60R20 1,285 (2,835)
Standard Payload	Kg (lbs)	1,143.1 (2,250)	1,047.8 (2,310)	934.4 (2,060)	1,025.1 (2,260)	889.0 (1,960)

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)	1,962 (4,325)				
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

King Cab® — 2017 Model Year

WEIGHTS — 4WD VEHICLES				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	VK56VD (5.6L)		
Final Drive Ratio	—	3.357 : 1		
Base Curb Weight - Total	USA Kg (lbs)	2,815.2 (6,206.5)	2,885.5 (6,361.4)	2,930.1 (6,459.8)
	CANADA Kg (lbs)	2,815.6 (6,207.3)	2,885.9 (6,362.3)	2,956.0 (6,516.9)
Base Curb Weight - Rear	USA Kg (lbs)	1,174.8 (2,590.0)	1,231.0 (2,713.9)	1,266.0 (2,791.1)
	CANADA Kg (lbs)	1,174.8 (2,590.0)	1,231.0 (2,713.9)	1,283.1 (2,828.8)
Base Curb Weight - Front	USA Kg (lbs)	1,640.4 (3,616.5)	1,654.5 (3,647.5)	1,664.1 (3,668.7)
	CANADA Kg (lbs)	1,640.8 (3,617.3)	1,654.9 (3,648.4)	1,672.9 (3,688.1)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		
Maximum GVWR	Kg (lbs)	3,992 (8,800)		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—		LT275/65R18 1,360 (3,000)
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)
Standard Payload	USA Kg (lbs)	1,176.4 (2,590)	1,106.1 (2,430)	1,061.5 (2,340)
	CANADA Kg (lbs)	1,176.0 (2,590.0)	1,105.7 (2,430.0)	1,035.6 (2,280.0)
Rear GAWR	USA Kg (lbs)	2,223 (4,900)		
	CANADA Kg (lbs)	2,365 (5,213)		
Front GAWR	Kg (lbs)	1,962 (4,325)		

WEIGHTS — 4WD VEHICLES				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	VK56VD (5.6L)		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)		
Bed Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)		
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)		

Single Cab — 2017 Model Year

WEIGHTS — 4WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	USA Kg (lbs)	2,696.3 (5,944.3)	2,766.6 (6,099.3)
	CANADA Kg (lbs)	2,696.7 (5,945.2)	2,767.0 (6,100.2)
Base Curb Weight - Rear	USA Kg (lbs)	1,051.7 (2,318.6)	1,107.9 (2,442.5)
	CANADA Kg (lbs)		
Base Curb Weight - Front	USA Kg (lbs)	1,644.6 (3,625.8)	1,658.7 (3,656.9)
	CANADA Kg (lbs)	1,645.0 (3,626.6)	1,659.1 (3,657.7)
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	Kg (lbs)	3,992.0 (8,800.9)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,292.7 (2,850)	1,224.7 (2,700)
	CANADA Kg (lbs)	1,292.7 (2,850)	1,220.2 (2,690.0)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.9)	
Front GAWR	Kg (lbs)	1,962.0 (4,325.5)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2018 MODEL YEAR, 2WD VEHICLES (Gasoline)

NOTE:

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2018 Model Year

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	VK56VD (5.6L)			
Final Drive Ratio	—	3.357 : 1			
Base Curb Weight - Total	Kg (lbs)	2,723.9 (6,005.1)	2,794.1 (6,159.8)	2,902.2 (6,398.1)	2,910.3 (6,416.0)
Base Curb Weight - Rear	Kg (lbs)	1,162.6 (2,563.2)	1,218.8 (2,687.1)	1,284.7 (2,832.4)	1,288.7 (2,841.2)
Base Curb Weight - Front	Kg (lbs)	1,561.2 (3,441.9)	1,575.2 (3,472.7)	1,617.4 (3,565.8)	1,621.5 (3,574.8)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	
Maximum GVWR	Kg (lbs)	3,901 (8,600)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	1,174.8 (2,590)	1,106.8 (2,440)	997.9 (2,200)	988.8 (2,180)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)	1,962 (4,325)			
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

King Cab® — 2018 Model Year

WEIGHTS — 2WD VEHICLES				
Item		Model→	King Cab®	
		Grade→	S	SV
		Engine→	VK56VD (5.6L)	
Final Drive Ratio		—	3.357 : 1	
Base Curb Weight - Total	With Rear Seating	Kg (lbs)	2,670.2 (5,886.7)	2,740.5 (6,041.7)
	With Seat Delete	Kg (lbs)	2,628.9 (5,795.6)	2,699.2 (5,950.6)
Base Curb Weight - Rear	With Rear Seating	Kg (lbs)	1,189.6 (2,622.7)	1,245.8 (2,746.6)
	With Seat Delete	Kg (lbs)	1,165.8 (2,570.2)	1,222.0 (2,694.0)
Base Curb Weight - Front	With Rear Seating	Kg (lbs)	1,480.5 (3,264.0)	1,494.6 (3,295.0)
	With Seat Delete	Kg (lbs)	1,463.0 (3,225.4)	1,477.1 (3,256.5)
Maximum GCWR		Kg (lbs)	8,029 (17,700)	
Maximum GVWR		Kg (lbs)	3,901 (8,600)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload		Kg (lbs)	1,229.2 (2,710)	1,156.7 (2,550)
Rear GAWR		Kg (lbs)	2,365 (5,213)	
Front GAWR		Kg (lbs)	1,962 (4,325)	
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	

Single Cab — 2018 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	USA Kg (lbs)	2,577.6 (5,682.6)	2,647.9 (5,837.6)
	Canada Kg (lbs)	2,577.6 (5,682.6)	—
Base Curb Weight - Rear	USA Kg (lbs)	1,002.2 (2,209.5)	1,058.4 (2,333.4)
	Canada Kg (lbs)	1,002.2 (2,209.5)	—
Base Curb Weight - Front	USA Kg (lbs)	1,575.4 (3,473.2)	1,589.5 (3,504.2)
	Canada Kg (lbs)	1,575.4 (3,473.2)	—
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	USA Kg (lbs)	3,901 (8,600)	3,869.0 (8,530.2)
	Canada Kg (lbs)	3,901 (8,600)	—
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,320 (2,910)	1,220.2 (2,690)
	Canada Kg (lbs)	1,320 (2,910)	—
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)	1,962.0 (4,325.0)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	

WEIGHTS — 2WD VEHICLES			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	VK56VD (5.6L)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2018 MODEL YEAR, 4WD VEHICLES (Gasoline)

NOTE:

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#).

Crew Cab — 2018 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Final Drive Ratio	—	3.357 : 1				
Base Curb Weight - Total	USA Kg (lbs)	2,846.8 (6,276.2)	2,917.0 (6,430.9)	3,024.3 (6,668.4)	2,964.9 (6,536.5)	3,032.8 (6,686.2)
	CANADA Kg (lbs)	2,847.4 (6,277.5)	2,917.0 (6,430.9)	3,025.1 (6,669.3)	2,974.1 (6,556.8)	3,033.2 (6,687.1)
Base Curb Weight - Rear	USA Kg (lbs)	1,166.6 (2,572.0)	1,222.8 (2,695.9)	1,288.5 (2,840.7)	1,260.8 (2,779.7)	1,292.5 (2,849.6)
	CANADA Kg (lbs)	1,166.8 (2,572.4)	1,222.8 (2,695.9)	1,288.7 (2,841.2)	1,262.0 (2,782.3)	1,292.7 (2,850.0)
Base Curb Weight - Front	USA Kg (lbs)	1,680.2 (3,704.2)	1,694.2 (3,735.0)	1,736.2 (3,827.6)	1,704.1 (3,756.9)	1,740.3 (3,836.7)
	CANADA Kg (lbs)	1,680.6 (3,705.1)	1,694.2 (3,735.0)	1,736.4 (3,828.1)	1,712.1 (3,774.5)	1,740.5 (3,837.1)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	8,029 (17,700)	7,666 (16,900)
Maximum GVWR	Kg (lbs)	3,992 (8,800)	3,969 (8,750)	3,960 (8,730)	3,992 (8,800)	3,924 (8,650)
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/ 60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/ 60R20 1,285 (2,835)

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Standard Payload	USA Kg (lbs)	1,143.1 (2,250)	1,047.8 (2,310)	934.4 (2,060)	1,025.1 (2,260)	889.0 (1,960)
	CANADA Kg (lbs)	—	—	—	1,016 (2,240)	—
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	With Standard Suspension	Kg (lbs)	1,962 (4,325)			
	With HD Front GAWR Package		2,223 (4,900)	—		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

WEIGHTS — 4WD VEHICLES					
Item		Model →	King Cab®		
		Grade →	S	SV	Pro-4X
		Engine →	VK56VD (5.6L)		
Final Drive Ratio		—	3.357 : 1		
Base Curb Weight - Total	With Rear Seating	USA Kg (lbs)	2,827.3 (6,233.0)	2,897.6 (6,388.0)	2,942.9 (6,487.9)
		CANADA Kg (lbs)	2,827.3 (6,233.0)	2,897.6 (6,388.0)	2,970.7 (6,549.2)
	With Seat Delete	USA Kg (lbs)	2,786.0 (6,142.0)	2,856.3 (6,297.0)	—
		CANADA Kg (lbs)	2,785.8 (6,141.5)	—	—
Base Curb Weight - Rear	With Rear Seating	USA Kg (lbs)	1,180.0 (2,601.5)	1,236.2 (2,725.4)	1,271.3 (2,802.8)
		CANADA Kg (lbs)	1,180.0 (2,601.5)	1,236.2 (2,725.4)	1,290.8 (2,845.8)
	With Seat Delete	USA Kg (lbs)	1,156.2 (2,549.0)	1,212.4 (2,672.9)	—
		CANADA Kg (lbs)	1,156.2 (2,549.0)	—	—
Base Curb Weight - Front	With Rear Seating	USA Kg (lbs)	1,647.2 (3,631.5)	1,661.3 (3,662.6)	1,671.5 (3,685.1)
		CANADA Kg (lbs)	1,647.2 (3,631.5)	1,661.3 (3,662.6)	1,679.8 (3,703.4)
	With Seat Delete	USA Kg (lbs)	1,629.7 (3,592.9)	1,643.8 (3,624.0)	—
		CANADA Kg (lbs)	1,629.5 (3,592.5)	—	—
Maximum GCWR		Kg (lbs)	8,029 (17,700)		
Maximum GVWR		Kg (lbs)	3,992 (8,800)		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)		—
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear		Kg (lbs)	—		LT275/65R18 1,360 (3,000)

WEIGHTS — 4WD VEHICLES					
Item		Model→	King Cab®		
		Grade→	S	SV	Pro-4X
		Engine→	VK56VD (5.6L)		
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)
Standard Payload	With Rear Seating	USA Kg (lbs)	1,161.2 (2,560)	1,093.2 (2,410)	1,047.8 (2,310)
		CANADA Kg (lbs)	1,161.2 (2,560)	1,093.2 (2,410)	1,020.6 (2,250)
	With Seat Delete	USA Kg (lbs)	1,202.0 (2,650)	1,134 (2,500)	—
		CANADA Kg (lbs)	1,202.0 (2,650)	—	—
Rear GAWR		Kg (lbs)	2,365 (5,213)		
Front GAWR	With Standard Suspension	Kg (lbs)	1,962 (4,325)		
	With HD Front GAWR Package		2,223 (4,900)		—
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)		
Bed Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)		
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)		
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)		

WEIGHTS — 4WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	Kg (lbs)	2,696.7 (5,945.2)	2,767.0 (6,100.2)
Base Curb Weight - Rear	Kg (lbs)	1,051.9 (2,319.0)	1,108.1 (2,442.9)
Base Curb Weight - Front	Kg (lbs)	1,644.8 (3,626.2)	1,658.9 (3,657.3)
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	Kg (lbs)	3,992.0 (8,800.0)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,292.7 (2,850)	1,220.2 (2,690)
	CANADA Kg (lbs)	1,292.7 (2,850)	1,220.2 (2,690.0)
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	With Standard Suspension	1,962.0 (4,325.0)	
	With HD Front GAWR Package	2,223.0 (4,900.0)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2019 MODEL YEAR, 2WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2019 Model Year

WEIGHTS — 2WD VEHICLES					
Item	Model→	Crew Cab			
	Grade→	S	SV	SL	Platinum
	Engine→	VK56VD (5.6L)			
Final Drive Ratio	—	3.357 : 1			
Base Curb Weight - Total	Kg (lbs)	2,739.8 (6,040.3)	2,809.0 (6,192.9)	2,918.3 (6,433.9)	2,926.8 (6,452.6)
Base Curb Weight - Rear	Kg (lbs)	1,168.6 (2,576.4)	1,224.9 (2,700.5)	1,291.3 (2,846.9)	1,295.5 (2,856.2)
Base Curb Weight - Front	Kg (lbs)	1,571.2 (3,463.9)	1,584.1 (3,492.4)	1,627.0 (3,587.0)	1,631.3 (3,596.4)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	
Maximum GVWR	Kg (lbs)	3,901 (8,600)			
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—	
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	
Standard Payload	Kg (lbs)	1,156.7 (2,550)	1,088.6 (2,400)	979.8 (2,160)	970.7 (2,140)
Rear GAWR	Kg (lbs)	2,223 (4,900)			
Front GAWR	Kg (lbs)	1,962 (4,325)			
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)			
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)			
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)			
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)			

WEIGHTS — 2WD VEHICLES				
Item		Model →	King Cab[®]	
		Grade →	S	SV
		Engine →	VK56VD (5.6L)	
Final Drive Ratio		—	3.357 : 1	
Base Curb Weight - Total	With Rear Seating	Kg (lbs)	2,676.5 (5,900.6)	2,745.8 (6,053.3)
	With Seat Delete	Kg (lbs)	2,636.4 (5,812.2)	2,705.7 (5,964.9)
Base Curb Weight - Rear	With Rear Seating	Kg (lbs)	1,152.8 (2,541.4)	1,209.1 (2,665.6)
	With Seat Delete	Kg (lbs)	1,129.1 (2,489.2)	1,185.4 (2,613.3)
Base Curb Weight - Front	With Rear Seating	Kg (lbs)	1,523.7 (3,359.1)	1,536.7 (3,387.8)
	With Seat Delete	Kg (lbs)	1,507.3 (3,323.0)	1,520.3 (3,351.6)
Maximum GCWR	With Rear Seating	Kg (lbs)	8,029 (17,700)	
	With Seat Delete	Kg (lbs)	6,940 (15,300)	
Maximum GVWR	With Rear Seating	Kg (lbs)	3,901 (8,600)	
	With Seat Delete	Kg (lbs)	3,221 (7,100)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	With Rear Seating	Kg (lbs)	1,220.2 (2,690)	1,152.1 (2,540)
	With Seat Delete	Kg (lbs)	1,261.0 (2,780)	1,192.9 (2,630)
Rear GAWR	With Rear Seating	Kg (lbs)	2,365 (5,213)	
	With Seat Delete	Kg (lbs)	1,820 (4,012)	
Front GAWR	With Rear Seating	Kg (lbs)	1,962 (4,325)	
	With Seat Delete	Kg (lbs)	1,724 (3,800)	
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load		N (lbs)	490 (110.15)	

Single Cab — 2019 Model Year

WEIGHTS — 2WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Final Drive Ratio	—	3.357 : 1	
Base Curb Weight - Total	USA Kg (lbs)	2,544.2 (5,609.0)	2,613.5 (5,761.8)
	Canada Kg (lbs)		—
Base Curb Weight - Rear	USA Kg (lbs)	1,055.1 (2,326.2)	1,111.4 (2,450.3)
	Canada Kg (lbs)		—
Base Curb Weight - Front	USA Kg (lbs)	1,489.1 (3,282.8)	1,502.1 (3,311.5)
	Canada Kg (lbs)		—
Maximum GCWR	Kg (lbs)	8,029 (17,700)	
Maximum GVWR	USA Kg (lbs)	3,901 (8,600)	3,869 (8,530)
	Canada Kg (lbs)		—
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload	USA Kg (lbs)	1,356.2 (2,990)	1,251.9 (2,760)
	Canada Kg (lbs)	1,356.2 (2,990)	—
Rear GAWR	Kg (lbs)	2,223.0 (4,900.0)	
Front GAWR	Kg (lbs)	1,962.0 (4,325.0)	
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)	

WEIGHTS — 2WD VEHICLES			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	VK56VD (5.6L)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)	

WEIGHTS — 2019 MODEL YEAR, 4WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2019 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	VK56VD (5.6L)				
Final Drive Ratio	—	3.357 : 1				
Base Curb Weight - Total	USA Kg (lbs)	2,866.9 (6,320.4)	2,937.0 (6,474.9)	3,044.8 (6,712.6)	2,984.2 (6,579.0)	3,053.3 (6,731.3)
	CANADA Kg (lbs)	2,866.9 (6,320.4)	2,936.5 (6,473.8)	3,044.2 (6,711.2)	2,983.7 (6,577.9)	3,052.7 (6,730.0)
Base Curb Weight - Rear	USA Kg (lbs)	1,192.6 (2,629.1)	1,249.3 (2,754.1)	1,315.1 (2,899.2)	1,286.6 (2,836.4)	1,319.3 (2,908.5)
	CANADA Kg (lbs)	1,192.6 (2,629.1)	1,248.6 (2,752.6)	1,314.3 (2,897.4)	1,285.9 (2,834.8)	1,318.5 (2,906.7)
Base Curb Weight - Front	USA Kg (lbs)	1,674.3 (3,691.2)	1,687.7 (3,720.8)	1,729.7 (3,813.4)	1,697.6 (3,742.6)	1,734.0 (3,822.8)
	CANADA Kg (lbs)	1,674.3 (3,691.2)	1,687.9 (3,721.2)	1,729.9 (3,813.8)	1,697.8 (3,743.0)	1,734.2 (3,823.3)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	8,029 (17,700)	7,666 (16,900)
Maximum GVWR	Kg (lbs)	3,992 (8,800)	3,969 (8,750)	3,960 (8,730)	3,992 (8,800)	3,924 (8,650)
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/ 60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/ 60R20 1,285 (2,835)

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Standard Payload	USA Kg (lbs)	1,120.4 (2,470)	1,029.7 (2,270)	911.7 (2,010)	1,007.0 (2,220)	866.4 (1,910)
	CANADA Kg (lbs)					870.9 (1,920)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	With Standard Suspension	Kg (lbs)	1,962 (4,325)			
	With HD Front GAWR Package		2,223 (4,900)	—		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

WEIGHTS — 4WD VEHICLES					
Item		Model→	King Cab®		
		Grade→	S	SV	Pro-4X
		Engine→	VK56VD (5.6L)		
Final Drive Ratio		—	3.357 : 1		
Base Curb Weight - Total	With Rear Seating	USA Kg (lbs)	2,815.4 (6,207.0)	2,886.2 (6,363.1)	2,931.9 (6,463.8)
		CANADA Kg (lbs)		2,885.7 (6,362.0)	2,930.3 (6,460.3)
	With Seat Delete	USA Kg (lbs)	2,773.2 (6,113.9)	2,844.0 (6,270.0)	—
		CANADA Kg (lbs)	2,774.4 (6,116.6)	2,844.7 (6,271.6)	
Base Curb Weight - Rear	With Rear Seating	USA Kg (lbs)	1,173.9 (2,588.0)	1,230.8 (2,713.4)	1,266.0 (2,791.0)
		CANADA Kg (lbs)		1,230.1 (2,711.9)	1,265.1 (2,789.1)
	With Seat Delete	USA Kg (lbs)	1,149.4 (2,534.0)	1,206.3 (2,659.4)	—
		CANADA Kg (lbs)	1,150.8 (2,537.1)	1,207.0 (2,661.0)	
Base Curb Weight - Front	With Rear Seating	USA Kg (lbs)	1,641.5 (3,619.0)	1,655.4 (3,649.6)	1,665.9 (3,672.8)
		CANADA Kg (lbs)		1,655.6 (3,650.1)	1,665.2 (3,671.2)
	With Seat Delete	USA Kg (lbs)	1,623.8 (3,580.0)	1,637.7 (3,610.6)	—
		CANADA Kg (lbs)	1,623.6 (3,579.5)		
Maximum GCWR	With Rear Seating	Kg (lbs)	8,029 (17,700)		
	With Seat Delete	USA Kg (lbs)	6,940 (15,300)		—
		CANADA Kg (lbs)	8,029 (17,700)		

WEIGHTS — 4WD VEHICLES					
Item		Model →	King Cab®		
		Grade →	S	SV	Pro-4X
		Engine →	VK56VD (5.6L)		
Maximum GVWR	With Rear Seating	Kg (lbs)	3,992 (8,800)		
	With Seat Delete	USA Kg (lbs)	3,311 (7,300)		—
		CANADA Kg (lbs)	3,992 (8,800)		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)		—
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear		Kg (lbs)	—		LT275/65R18 1,360 (3,000)
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)		LT275/65R18 1,360 (3,000)
Standard Payload	With Rear Seating	Kg (lbs)	1,174.8 (2,590)	1,102.2 (2,430)	1,056.9 (2,330)
	With Seat Delete	Kg (lbs)	1,215.6 (2,680)	1,143.1 (2,520)	—
Rear GAWR	With Rear Seating	Kg (lbs)	2,365 (5,213)		
	With Seat Delete	USA Kg (lbs)	1,820 (4,012)		—
		CANADA Kg (lbs)	2,365 (5,213)		
Front GAWR	With Standard Suspension With Rear Seating	Kg (lbs)	1,962 (4,325)		
	With Standard Suspension With Seat Delete	USA Kg (lbs)	1,724 (3,800)		—
		CANADA Kg (lbs)	1,962 (4,325)		
	With HD Front GAWR Package With Rear Seating	Kg (lbs)	2,223 (4,900)		—
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)		
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)		
Bed Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)		

WEIGHTS — 4WD VEHICLES			
Item	Model→	King Cab®	
	Grade→	S	SV
	Engine→	VK56VD (5.6L)	
Cab Cargo Tie Down Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	
Cab Rear Wall Track Weld Nut Pull Strength Practical Load	N (lbs)	490 (110.15)	

WEIGHTS — 4WD VEHICLES				
Item		Model →	Single Cab	
		Grade →	S	SV
		Engine →	VK56VD (5.6L)	
Final Drive Ratio		—	3.357 : 1	
Base Curb Weight - Total		USA Kg (lbs)	2,679.0 (5,906.2)	2,749.8 (6,062.3)
		CANADA Kg (lbs)		2,749.3 (6,061.2)
Base Curb Weight - Rear		USA Kg (lbs)	1,078.4 (2,377.4)	1,135.3 (2,502.8)
		CANADA Kg (lbs)		1,134.6 (2,501.3)
Base Curb Weight - Front		USA Kg (lbs)	1,600.7 (3,528.8)	1,614.6 (3,559.5)
		CANADA Kg (lbs)		1,614.8 (3,559.9)
Maximum GCWR		Kg (lbs)	8,029 (17,700)	
Maximum GVWR		Kg (lbs)	3,992 (8,800)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear		Kg (lbs)	LT245/75R17 1,270 (2,800)	
Max. Tires and Load Rating @ 450kPa (65 psi) - Front		Kg (lbs)	LT245/75R17 1,180 (2,600)	
Standard Payload		Kg (lbs)	1,310.9 (2,890)	1,238.3 (2,730)
Rear GAWR		Kg (lbs)	2,223 (4,900)	
Front GAWR		With Standard Suspension		1,962 (4,325)
		With HD Front GAWR Package		2,223 (4,900)
Bed Wall Side — Maximum Individual Load		KN (lbs)	2.2 (494.8)	
Bed Wall Side — Maximum Distributed Load		N (lbs)	11,850 (2,663.9)	
Upper Front Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Upper Side Bed Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Bed Floor Track Weld Nut Pull Strength Practical Load		N (lbs)	1,122 (250)	
Cargo Tie Down Pull Strength Practical Load		N (lbs)	1,122 (250)	

WEIGHTS — 2020 MODEL YEAR, 4WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2020 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	VK56VD (5.6L)				
Final Drive Ratio	—	3.357 : 1				
Base Curb Weight - Total	USA Kg (lbs)	2,906.4 (6,407.4)	2,972.3 (6,552.7)	3,063.8 (6,754.4)	3,033.7 (6,688.1)	3,105.0 (6,845.3)
	CANADA Kg (lbs)	2,883.2 (6,356.3)	2,949.0 (6,501.4)	3,057.1 (6,739.7)	3,034.0 (6,688.7)	3,069.0 (6,765.9)
Base Curb Weight - Rear	USA Kg (lbs)	1,218.6 (2,686.5)	1,266.3 (2,791.6)	1,318.5 (2,906.7)	1,311.9 (2,892.1)	1,359.2 (2,996.4)
	CANADA Kg (lbs)	1,192.8 (2,629.6)	1,251.0 (2,757.9)	1,314.7 (2,898.3)	1,312.3 (2,893.0)	1,320.6 (2,911.3)
Base Curb Weight - Front	USA Kg (lbs)	1,687.8 (3,721.0)	1,706.0 (3,761.1)	1,745.3 (3,847.8)	1,721.8 (3,795.9)	1,745.8 (3,848.9)
	CANADA Kg (lbs)	1,690.4 (3,726.7)	1,698.0 (3,743.5)	1,742.4 (3,841.4)	1,721.7 (3,795.7)	1,748.4 (3,854.6)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	8,029 (17,700)	7,666 (16,900)
Maximum GVWR	USA Kg (lbs)	3,992 (8,800)	3,969 (8,750)	3,960 (8,730)	3,992 (8,800)	3,924 (8,650)
	CANADA Kg (lbs)	3,969 (8,750)		3,992 (8,800)		
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/ 60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/ 60R20 1,285 (2,835)
Standard Payload	USA Kg (lbs)	1,084.1 (2,390)	1,011.5 (2,230)	893.6 (1,970)	957.1 (2,110)	816.5 (1,800)
	CANADA Kg (lbs)	1,106.8 (2,440)	1,016.0 (2,240)	902.6 (1,990)	957.1 (2,110)	852.8 (1,880)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)	1,962 (4,325)				
		With Standard Suspension	2,223 (4,900)		—	
With HD Front GAWR Package (USA only)						
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

WEIGHTS — 2021 MODEL YEAR, 4WD VEHICLES (Gasoline)**NOTE:**

For Accessory Reserve Capacity (ARC), Center of Gravity (CG) or Unloaded Vehicle Weight (UVW) information, refer to **CENTER OF GRAVITY (CG) (pg. 88)**.

Crew Cab — 2021 Model Year

WEIGHTS — 4WD VEHICLES						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	VK56VD (5.6L)				
Final Drive Ratio	—	3.357 : 1				
Base Curb Weight - Total	USA Kg (lbs)	2,904.0 (6,402.1)	2,951.6 (6,507.1)	3,057.9 (6,741.4)	3,031.3 (6,682.8)	3,103.0 (6,840.9)
	CANADA Kg (lbs)	2,881.4 (6,352.3)	2,950.1 (6,503.8)	—	3,035.0 (6,691.0)	3,104.3 (6,843.7)
Base Curb Weight - Rear	USA Kg (lbs)	1,217.5 (2,684.0)	1,254.1 (2,764.7)	1,315.9 (2,901.0)	1,310.8 (2,889.7)	1,358.3 (2,994.4)
	CANADA Kg (lbs)	1,191.6 (2,626.9)	1,250.1 (2,755.9)	—	1,312.0 (2,892.4)	1,358.9 (2,995.8)
Base Curb Weight - Front	USA Kg (lbs)	1,686.5 (3,718.1)	1,697.5 (3,742.4)	1,742.0 (3,840.5)	1,720.5 (3,793.1)	1,744.7 (3,846.4)
	CANADA Kg (lbs)	1,689.8 (3,725.4)	1,700.0 (3,747.9)	—	1,723.0 (3,798.6)	1,745.4 (3,848.0)
Maximum GCWR	Kg (lbs)	8,029 (17,700)		7,666 (16,900)	8,029 (17,700)	7,666 (16,900)
Maximum GVWR	USA Kg (lbs)	3,992 (8,800)	3,969 (8,750)	3,960 (8,730)	3,960 (8,730)	3,924 (8,650)
	CANADA Kg (lbs)			—	3,992 (8,800)	
Max. Tires and Load Rating @ 500kPa (72 psi) - Rear	Kg (lbs)	LT245/75R17 1,270 (2,800)		—		
Max. Tires and Load Rating @ 480kPa (70 psi) - Rear	Kg (lbs)	—		LT265/60R20 1,338 (2,950)	—	LT265/ 60R20 1,338 (2,950)
Max. Tires and Load Rating @ 450kPa (65 psi) - Rear	Kg (lbs)	—			LT275/65R18 1,360 (3,000)	—

WEIGHTS — 4WD VEHICLES						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Max. Tires and Load Rating @ 450kPa (65 psi) - Front	Kg (lbs)	LT245/75R17 1,180 (2,600)		LT265/60R20 1,285 (2,835)	LT275/65R18 1,360 (3,000)	LT265/ 60R20 1,285 (2,835)
Standard Payload	USA Kg (lbs)	1,084.1 (2,390)	1,016.0 (2,240)	898.1 (1,980)	925.3 (2,040)	816.5 (1,800)
	CANADA Kg (lbs)	1,106.8 (2,440)	1,016.0 (2,240)	—	952.5 (2,100)	816.5 (1,800)
Rear GAWR	Kg (lbs)	2,223 (4,900)				
Front GAWR	Kg (lbs)	With Standard Suspension 1,962 (4,325)				
		With HD Front GAWR Package (USA only) 2,223 (4,900)		—		
Bed Wall Side — Maximum Individual Load	KN (lbs)	2.2 (494.8)				
Bed Wall Side — Maximum Distributed Load	N (lbs)	11,850 (2,663.9)				
Upper Front Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Upper Side Bed Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Bed Floor Track Weld Nut Pull Strength Practical Load	N (lbs)	1,122 (250)				
Cargo Tie Down Pull Strength Practical Load	N (lbs)	1,122 (250)				

INTERIOR MEASUREMENTS

NOTE:

All specifications are the same for USA and Canada except where indicated.

Crew Cab

CAB INTERIOR MEASUREMENTS						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	Cummins 5.0L and VK56VD (5.6L)				
Maximum Interior Length at Floor - Behind Center Console at Vehicle Center	mm (in)	—	995 (39.17)	995 (39.17)	995 (39.17)	995 (39.17)
Maximum Interior Width	mm (in)	1,548 (60.94)	1,548 (60.94)	1,548 (60.94)	1,548 (60.94)	1,548 (60.94)
Maximum Interior Length at Floor - Behind Seat (pg. 277)	mm (in)	680 (26.77)	680 (26.77)	680 (26.77)	680 (26.77)	680 (26.77)
Maximum Interior Length Behind Seat Back (pg. 277)	mm (in)	1,280 (50.39)	1,280 (50.39)	1,280 (50.39)	1,280 (50.39)	1,280 (50.39)
Maximum Interior Height	mm (in)	1,260 (49.61)	1,260 (49.61)	1,260 (49.61)	1,260 (49.61)	1,260 (49.61)
Passenger Cab Volume (SAE)	m ³ (ft ³)	3.39 (119.7)				

King Cab® (2017-2019 Model Years)

CAB INTERIOR MEASUREMENTS				
Item	Model →	King Cab®		
	Grade →	S	SV	Pro-4X
	Engine →	Cummins 5.0L and VK56VD (5.6L)		
Maximum Interior Length at Floor - Behind Center Console at Vehicle Center	mm (in)	—	710 (27.95)	710 (27.95)
Maximum Interior Width	mm (in)	1,526 (60.08)	1,526 (60.08)	1,526 (60.08)
Maximum Interior Length at Floor - Behind Seat (pg. 280)	mm (in)	440 (17.32)	440 (17.32)	440 (17.32)
Maximum Interior Length Behind Seat Back (pg. 280)	mm (in)	710 (27.95)	710 (27.95)	710 (27.95)
Maximum Interior Height	mm (in)	1,064 (41.89)	1,064 (41.89)	1,064 (41.89)
Passenger Cab Volume (SAE)	m ³ (ft ³)	2.76 (97.7)		
Passenger Cab Cargo Volume (SAE) Behind Front Seat with Rear Seat Delete	m ³ (ft ³)	0.84 (29.6)		

Crew Cab

BED INTERIOR MEASUREMENTS						
Item	Model →	Crew Cab				
	Grade →	S	SV	SL	Pro-4X	Platinum
	Engine →	Cummins 5.0L and VK56VD (5.6L)				
Maximum Cargo Width at Wheel Wells (pg. 311)	mm (in)	1,271 (50.0)				
Maximum Cargo Width at Floor	mm (in)	1,620.0 (63.8)				
Maximum Cargo Length (pg. 311)	mm (in)	2,000 (78.7)				
Height of Bed (pg. 311)	mm (in)	5279 (20.8)				
Cargo Volume – Bed (without dual wall storage box) (SAE)	m ³ (ft ³)	1.65 (58.4)				
Cargo Volume – Bed (with dual wall storage box) (SAE)	m ³ (ft ³)	1.31 (46.50)				

King Cab® (2017-2019 Model Years)

BED INTERIOR MEASUREMENTS				
Item	Model →	King Cab®		
	Grade →	S	SV	Pro-4X
	Engine →	Cummins 5.0L and VK56VD (5.6L)		
Maximum Cargo Width at Wheel Wells (pg. 324)	mm (in)	1,271 (50.0)		
Maximum Cargo Width at Floor	mm (in)	1,620.0 (63.8)		
Maximum Cargo Length (pg. 324)	mm (in)	2,001.8 (78.8)		
Height of Bed (pg. 324)	mm (in)	5279 (20.8)		
Cargo Volume — Bed (without dual wall storage box) (SAE)	m ³ (ft ³)	1.68 (59.40)		
Cargo Volume — Bed (with dual wall storage box) (SAE)	m ³ (ft ³)	1.31 (46.50)		

Single Cab (2017-2019 Model Years)

BED INTERIOR MEASUREMENTS			
Item	Model →	Single Cab	
	Grade →	S	SV
	Engine →	Cummins 5.0L and VK56VD (5.6L)	
Maximum Cargo Width at Wheel Wells (pg. 335)	mm (in)	1,271 (50.0)	
Maximum Cargo Width at Floor	mm (in)	1,620.0 (63.8)	
Maximum Cargo Length (pg. 335)	mm (in)	2,462.2 (96.94)	
Height of Bed (pg. 335)	mm (in)	527.9 (20.8)	
Cargo Volume – Bed	m ³ (ft ³)	2.10 (74.36)	

EXTERIOR MEASUREMENTS (DIESEL)

NOTE:

All specifications are the same for USA and Canada except where indicated.

Crew Cab (2016–2019 Model Years)

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Vehicle Height (pg. 305)	2WD mm (in)	1,981.2 (78.0)		2,002.4 (78.8)	—	2,002.4 (78.8)
	4WD mm (in)	1,980.4 (78.0)		2,002 (78.8)	1,991.4 (78.4)	2,002 (78.8)
Wheel Type (pg. 584)	2WD mm (in)	17 X 7.5J Styled Steel		20 X 7.5J Alloy - Machined	—	20 X 7.5J Alloy - Dark Chrome
	4WD mm (in)				18 X 7.5J Alloy - Machined	
Wheelbase (pg. 305)	mm (in)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)
Front Track Width	mm (in)	1,738 (68.4)		1,743 (68.6)		
Rear Track Width	mm (in)	1,737 (68.4)		1,742 (68.6)		
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	16.4 (53.8)			—	16.4 (53.8)
	4WD m (ft)	16.4 (53.8)				
Vehicle Length (pg. 305)	mm (in)	6,172.6 (243.0)			6,194.6 (243.6)	6,172.6 (243.0)
Front Overhang (pg. 305)	mm (in)	1,063.6 (41.9)			1,085.6 (42.7)	1,063.6 (41.9)
Rear Overhang (pg. 305)	mm (in)	1,259.0 (49.6)				
Rear Door Opening Height - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)
	With Door Seal mm (in)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	Cummins 5.0L				
Rear Door Opening Width - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)
	With Door Seal mm (in)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)
Height of Bed (pg. 311)	mm (in)	527.9 (20.8)				
Tailgate Opening Width - Maximum Clearance (pg. 311)	mm (in)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)
Vehicle Width - Without Mirrors (pg. 305)	mm (in)	2,019.9 (79.5)			2,048.9 (80.7)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 304)	mm (in)	2,447.19 (96.35)				
Vehicle Width - With Tow Mirrors Extended (pg. 304)	mm (in)	2,607.19 (102.65)				
Ground Clearance at Rear Axle	2WD mm (in)	220.1 (8.7)		240.0 (9.5)	—	240.0 (9.5)
	4WD mm (in)	220.1 (8.7)		240.1 (9.5)	229.0 (9.0)	240.1 (9.5)
Step-in Height - Front	2WD mm (in)	608.2 (23.9)		630.2 (24.8)	—	630.2 (24.8)
	4WD mm (in)	606.8 (23.9)		629.6 (24.8)	619.2 (24.4)	629.6 (24.8)
Step-in Height - Rear	2WD mm (in)	653.9 (25.7)		675.2 (26.6)	—	675.2 (26.6)
	4WD mm (in)	653.0 (25.7)		674.8 (26.6)	664.2 (26.2)	674.8 (26.6)

King Cab® (2017-2019 Model Years)

EXTERIOR MEASUREMENTS				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	Cummins 5.0L		
Vehicle Height (pg. 320)	2WD mm (in)	1,974.3 (77.73)		—
	4WD mm (in)	1,973.4 (77.69)		1,983.5 (78.09)
Wheel Type (pg. 584)	2WD mm (in)	17 X 7.5J Styled Steel		—
	4WD mm (in)			18 X 7.5J Alloy - Machined
Wheelbase (pg. 320)	mm (in)	3,550 (139.8)		
Front Track Width	mm (in)	1,738 (68.4)		1,743 (68.6)
Rear Track Width	mm (in)	1,737 (68.4)		1,742 (68.6)
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	14.6 (48.0)		—
	4WD m (ft)	14.6 (48.0)		
Vehicle Length (pg. 320)	mm (in)	5,866.5 (231.0)		5,887.9 (231.81)
Front Overhang (pg. 320)	mm (in)	1,057.0 (41.61)		
Rear Overhang (pg. 320)	mm (in)	1,259.0 (49.6)		
Rear Door Opening Height - Maximum Clearance (pg. 318)	Without Door Seal mm (in)	1,222 (48.11)		
	With Door Seal mm (in)	1,212 (47.72)		
Rear Door Opening Width - Maximum Clearance (pg. 318)	Without Door Seal mm (in)	1,632 (64.25)		
	With Door Seal mm (in)	1,630 (64.17)		
Height of Bed (pg. 324)	mm (in)	5279 (20.8)		

EXTERIOR MEASUREMENTS				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	Cummins 5.0L		
Tailgate Opening Width - Maximum Clearance (pg. 324)	mm (in)	1,528 (60.16)		
Vehicle Width - Without Mirrors (pg. 320)	mm (in)	2,020 (79.53)	2,049 (80.67)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 319)	mm (in)	2,496 (98.27)		
Vehicle Width - With Tow Mirrors Extended (pg. 319)	mm (in)	2,645 (104.13)		
Ground Clearance at Rear Axle	2WD mm (in)	222.1 (8.74)	—	
	4WD mm (in)	222.1 (8.74)	230.1 (9.06)	
Step-in Height - Front	2WD mm (in)	645.9 (25.43)	—	
	4WD mm (in)	644.5 (25.37)	655.2 (25.80)	
Step-in Height - Rear	2WD mm (in)	720.9 (28.40)	—	
	4WD mm (in)	719.9 (28.30)	730.2 (28.70)	

Single Cab (2017-2019 Model Years)

EXTERIOR MEASUREMENTS			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	Cummins 5.0L	
Vehicle Height (pg. 333)	2WD mm (in)	1,960.5 (77.5)	
	4WD mm (in)	1,959.5 (77.1)	
Wheel Type (pg. 584)	2WD mm (in)	Standard: 17 X 7.5J Styled Steel	Optional: 20 X 7.5J Machined Finish
	4WD mm (in)		
Wheelbase (pg. 333)	mm (in)	3,550.0 (139.8)	
Front Track Width	mm (in)	1,738 (68.4)	
Rear Track Width	mm (in)	1,737 (68.4)	
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	14.6 (48.0)	
	4WD m (ft)		
Vehicle Length (pg. 333)	mm (in)	5,866.5 (231.0)	
Front Overhang (pg. 333)	mm (in)	1,057.9 (41.6)	
Rear Overhang (pg. 333)	mm (in)	1,259.0 (49.6)	
Height of Bed (pg. 335)	mm (in)	527.9 (20.8)	
Tailgate Opening Width - Maximum Clearance (pg. 335)	mm (in)	1,525 (60.04)	
Vehicle Width - Without Mirrors (pg. 333)	mm (in)	2,020.0 (79.5)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 332)	mm (in)	2,447.19 (96.35)	
Vehicle Width - With Tow Mirrors Extended (pg. 332)	mm (in)	2,607.19 (102.65)	
Ground Clearance at Rear Axle	2WD mm (in)	222.1 (8.7)	
	4WD mm (in)		

EXTERIOR MEASUREMENTS		
Item	Model →	Single Cab
	Grade →	S SV
	Engine →	Cummins 5.0L
Step-in Height - Front	2WD mm (in)	611.7 (24.1)
	4WD mm (in)	610.4 (24.0)

252 **EXTERIOR MEASUREMENTS — (GASOLINE)**

NOTE:

All specifications are the same for USA and Canada except where indicated.

Crew Cab (2016–2019 Model Years)

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Vehicle Height (pg. 307)	2WD mm (in)	1,982.4 (78.0)		2,003.7 (78.9)	—	2,003.6 (78.9)
	4WD mm (in)	1,981.6 (78.0)		2,002.8 (78.9)	1,992.3 (78.4)	2,002.8 (78.9)
Wheel Type (pg. 584)	2WD mm (in)	17 X 7.5J Styled Steel		20 X 7.5J Alloy - Dark Chrome	—	20 X 7.5J Alloy - Dark Chrome
	4WD mm (in)				18 X 7.5J Alloy - Machined	
Wheelbase (pg. 307)	mm (in)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)
Front Track Width	mm (in)	1,738 (68.4)		1,743 (68.6)		
Rear Track Width	mm (in)	1,737 (68.4)		1,742 (68.6)		
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	16.4 (53.8)			—	16.4 (53.8)
	4WD m (ft)	16.4 (53.8)				
Vehicle Length (pg. 307)	mm (in)	6,172.6 (243.0)			6,194.6 (243.9)	6,172.6 (243.0)
Front Overhang (pg. 307)	mm (in)	1,063.6 (41.9)			1,085.6 (42.7)	1,063.6 (41.9)
Rear Overhang (pg. 307)	mm (in)	1,259.0 (49.6)				
Rear Door Opening Height - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)
	With Door Seal mm (in)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Rear Door Opening Width - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)
	With Door Seal mm (in)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)
Height of Bed (pg. 311)	mm (in)	527.9 (20.8)				
Tailgate Opening Width - Maximum Clearance (pg. 311)	mm (in)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)
Vehicle Width - Without Mirrors (pg. 307)	mm (in)	2,019.9 (79.5)			2,048.9 (80.7)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 304)	mm (in)	2,447.19 (96.35)				
Vehicle Width - With Tow Mirrors Extended (pg. 304)	mm (in)	2,607.19 (102.65)				
Ground Clearance at Rear Axle	2WD mm (in)	220.0 (8.7)		240.0 (9.4)	—	240.0 (9.4)
	4WD mm (in)	220.1 (8.7)		240.0 (9.5)	229.0 (9.0)	240.0 (9.5)
Step-in Height - Front	2WD mm (in)	610.2 (24.0)		632.3 (24.9)	—	632.3 (24.9)
	4WD mm (in)	608.9 (24.0)		630.9 (24.8)	620.6 (24.4)	630.9 (24.8)
Step-in Height - Rear	2WD mm (in)	655.2 (25.8)		676.6 (26.6)	—	676.6 (26.6)
	4WD mm (in)	654.3 (25.8)		675.7 (26.6)	665.5 (26.2)	675.7 (26.6)

King Cab® (2017-2019 Model Years)

EXTERIOR MEASUREMENTS				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	VK56VD (5.6L)		
Vehicle Height (pg. 322)	2WD mm (in)	1,974.3 (77.73)		—
	4WD mm (in)	1,973.4 (77.69)		1,983.5 (78.09)
Wheel Type (pg. 584)	2WD mm (in)	17 X 7.5J Styled Steel		—
	4WD mm (in)			18 X 7.5J Alloy - Machined
Wheelbase (pg. 322)	mm (in)	3,550 (139.76)		
Front Track Width	mm (in)	1,738 (68.4)		1,743 (68.6)
Rear Track Width	mm (in)	1,737 (68.4)		1,742 (68.6)
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	14.6 (48.0)		—
	4WD m (ft)	14.6 (48.0)		
Vehicle Length (pg. 322)	mm (in)	5,866.5 (230.96)		5,867.9 (231.81)
Front Overhang (pg. 322)	mm (in)	1,057.0 (41.61)		1,078. (42.4)
Rear Overhang (pg. 322)	mm (in)	1,259.0 (49.6)		
Rear Door Opening Height - Maximum Clearance (pg. 318)	Without Door Seal mm (in)	1,222 (48.11)		
	With Door Seal mm (in)	1,212 (47.72)		
Rear Door Opening Width - Maximum Clearance (pg. 318)	Without Door Seal mm (in)	1,632 (64.25)		
	With Door Seal mm (in)	1,630 (64.17)		
Height of Bed (pg. 324)	mm (in)	5279 (20.8)		

EXTERIOR MEASUREMENTS				
Item	Model→	King Cab®		
	Grade→	S	SV	Pro-4X
	Engine→	VK56VD (5.6L)		
Tailgate Opening Width - Maximum Clearance (pg. 324)	mm (in)	1,525 (60.04)		
Vehicle Width - Without Mirrors (pg. 322)	mm (in)	2,019.9 (79.5)	2,048.9 (80.7)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 319)	mm (in)	2,447.19 (96.35)		
Vehicle Width - With Tow Mirrors Extended (pg. 319)	mm (in)	2,607.19 (102.65)		
Ground Clearance at Rear Axle	2WD mm (in)	222.1 (8.74)	—	
	4WD mm (in)	222.2 (8.75)	230.1 (9.06)	
Step-in Height - Front	2WD mm (in)	645.9 (25.43)	—	
	4WD mm (in)	644.5 (25.37)	655.2 (25.80)	
Step-in Height - Rear	2WD mm (in)	722.7 (28.50)	—	
	4WD mm (in)	721.8 (28.40)	731.8 (28.80)	

Single Cab (2017-2019 Model Years)

EXTERIOR MEASUREMENTS			
Item	Model→	Single Cab	
	Grade→	S	SV
	Engine→	VK56VD (5.6L)	
Vehicle Height (pg. 334)	2WD mm (in)	1,962.5 (77.3)	
	4WD mm (in)	1,962.0 (77.2)	
Wheel Type (pg. 584)	2WD mm (in)	Standard: 17 X 7.5J Styled Steel	Optional: 20X 7.5J Machined Finish
	4WD mm (in)		
Wheelbase (pg. 334)	mm (in)	3,550 (139.5)	
Front Track Width	mm (in)	1,738 (68.4)	
Rear Track Width	mm (in)	1,737 (68.4)	
Turning Diameter – Wall-to-Wall (pg. 583)	2WD m (ft)	14.6 (48.0)	
	4WD m (ft)		
Vehicle Length (pg. 334)	mm (in)	5,866.5 (231.0)	
Front Overhang (pg. 334)	mm (in)	1,057.9 (41.6)	
Rear Overhang (pg. 334)	mm (in)	1,259 (49.6)	
Height of Bed (pg. 335)	mm (in)	527.9 (20.8)	
Tailgate Opening Width - Maximum Clearance (pg. 335)	mm (in)	1,525 (60.04)	
Vehicle Width - Without Mirrors (pg. 334)	mm (in)	2,020 (79.5)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 332)	mm (in)	2,447.19 (96.35)	
Vehicle Width - With Tow Mirrors Extended (pg. 332)	mm (in)	2,607.19 (102.65)	
Ground Clearance at Rear Axle	2WD mm (in)	222.1 (8.7)	
	4WD mm (in)	223.1 (8.8)	

EXTERIOR MEASUREMENTS – (GASOLINE)

[RESOURCE CHARTS]

EXTERIOR MEASUREMENTS		
Item	Model →	Single Cab
	Grade →	S SV
	Engine →	VK56VD (5.6L)
Step-in Height - Front	2WD mm (in)	614.4 (24.2)
	4WD mm (in)	613.4 (24.1)

EXTERIOR MEASUREMENTS — Starting with 2020 Model Year (GASOLINE)

NOTE:

All specifications are the same for USA and Canada except where indicated.

Crew Cab

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Vehicle Height (pg. 307)	4WD mm (in)	1,981.6 (78.0)	1,982.4 (78.0)	2,002 (78.8)	1,991 (78.4)	2,002 (78.8)
Wheel Type (pg. 585)	4WD mm (in)	17 X 7.5J Styled Steel	Standard: 17 X 7.5J Styled Steel Optional: 20 X 7.5J Alloy - Machined	20 X 7.5J Alloy - Chrome	18 X 7.5J Alloy -Painted	20 X 7.5J Alloy - Machined over paint
Wheelbase (pg. 307)	mm (in)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)	3,850 (151.57)
Front Track Width	mm (in)	1,738 (68.4)		1,743 (68.6)		
Rear Track Width	mm (in)	1,737 (68.4)		1,742 (68.6)		
Turning Diameter - Wall-to-Wall (pg. 583)	4WD m (ft)	16.4 (53.8)				
Vehicle Length (pg. 307)	mm (in)	6,182 (243.4)			6,209 (244.4)	6,182 (243.4)
Front Overhang (pg. 307)	mm (in)	1,059 (41.7)		1,086 (42.7)	1,059 (41.7)	
Rear Overhang (pg. 307)	mm (in)	1,259 (49.6)				
Rear Door Opening Height - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)	1,245 (49.02)
	With Door Seal mm (in)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)	1,235 (48.62)

EXTERIOR MEASUREMENTS						
Item	Model→	Crew Cab				
	Grade→	S	SV	SL	Pro-4X	Platinum
	Engine→	VK56VD (5.6L)				
Rear Door Opening Width - Maximum Clearance (pg. 303)	Without Door Seal mm (in)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)	806 (31.73)
	With Door Seal mm (in)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)	799 (31.46)
Height of Bed (pg. 311)	mm (in)	527.9 (20.8)				
Tailgate Opening Width - Maximum Clearance (pg. 311)	mm (in)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)	1,525 (60.04)
Vehicle Width - Without Mirrors (pg. 307)	mm (in)	2,018.5 (79.47)			2,049.69 (80.70)	
Vehicle Width - With Tow Mirrors Non-Extended (pg. 307)	mm (in)	2,447.19 (96.35)				
Vehicle Width - With Tow Mirrors Extended (pg. 307)	mm (in)	2,607.19 (102.65)				
Ground Clearance at Rear Axle	4WD mm (in)	220.1 (8.7)		240.0 (9.5)	229.0 (9.0)	240.0 (9.5)
Step-in Height - Front	4WD mm (in)	608.9 (24.0)		630.9 (24.8)	620.6 (24.4)	630.9 (24.8)
Step-in Height - Rear	4WD mm (in)	654.3 (25.8)		675.7 (26.6)	665.5 (26.2)	675.7 (26.6)

BODY DIMENSIONS

PASSENGER COMPARTMENT

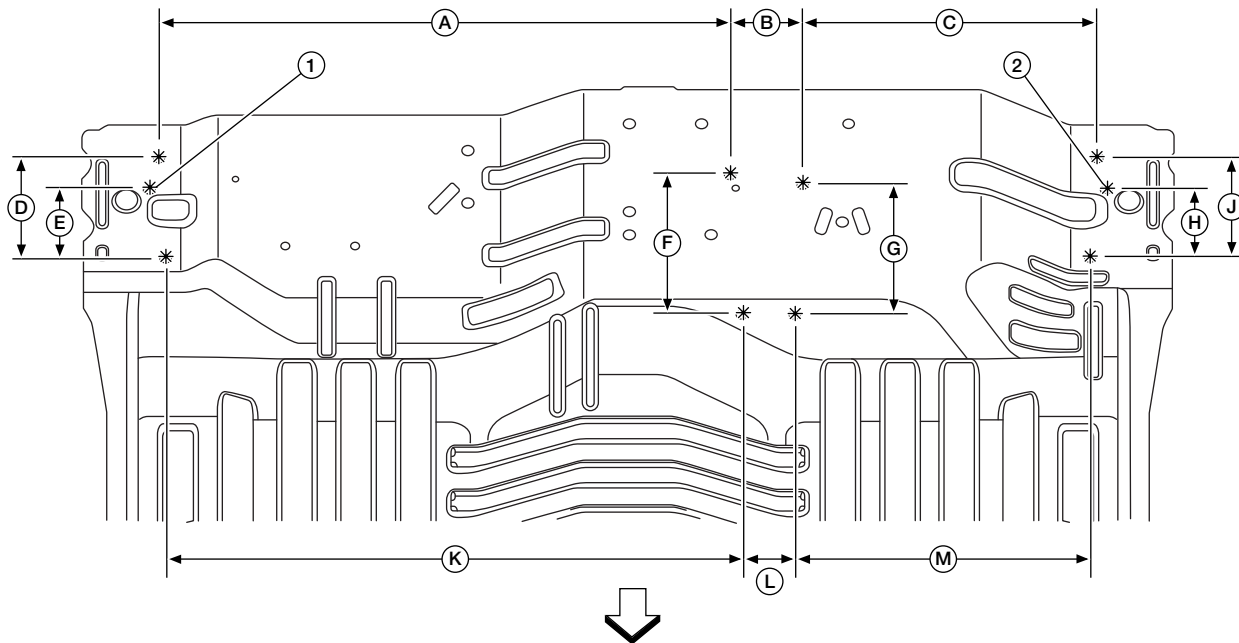
Rear Seat Mounting Holes



WARNING:

Do not modify the LATCH (Lower Anchors and Tethers for Children) system or make any other modifications to the vehicle or seats that would interfere with the proper operation of the LATCH system. Doing so may result in serious injury or death of a child in a collision.

Rear Seat Mounting Hole Dimensions — Crew Cab (Starting with 2016 Model Year)



AAZIA0484ZZ

↔: Front of vehicle.

1. Locator pin hole, RH seat

2. Locator pin hole, LH seat

B. 103 mm (4.06 in)

C. 421 mm (16.57 in)

A. 816 mm (32.13 in)

D. 165 mm (6.50 in)

E. 112 mm (4.41 in)

F. 193 mm (7.60 in)

G. 177 mm (6.97 in)

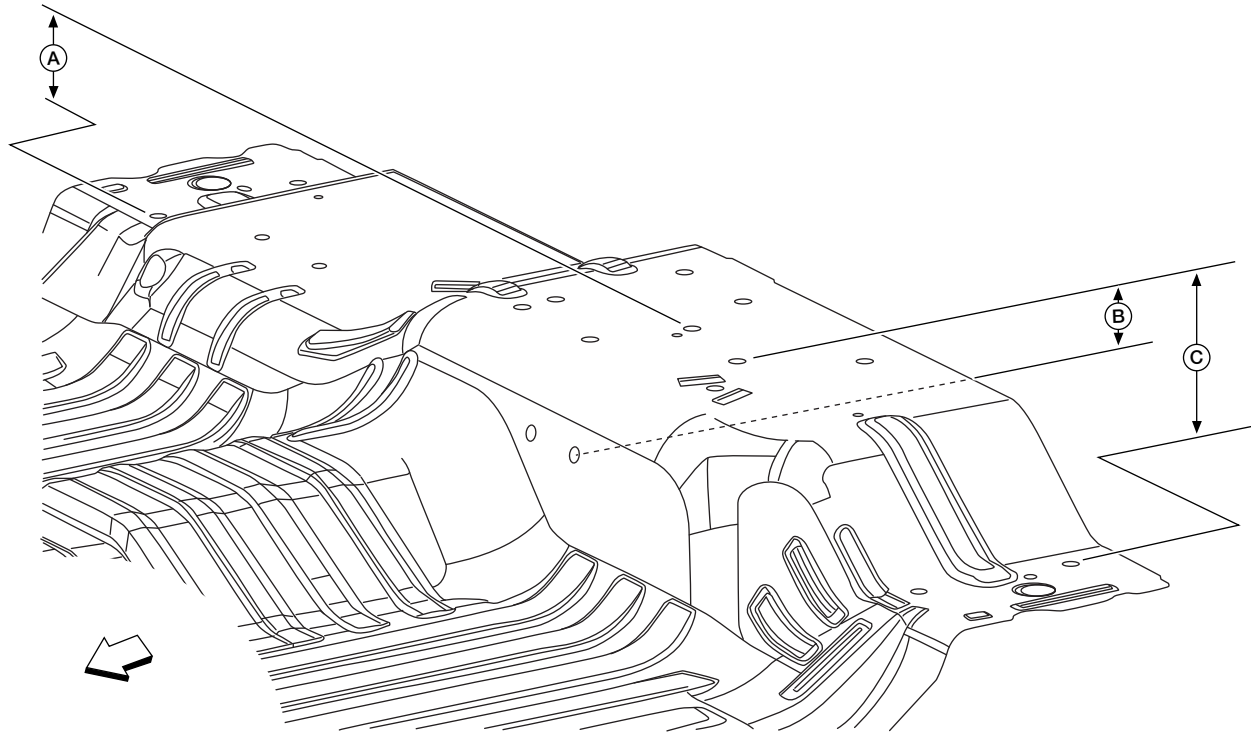
H. 112 mm (4.41 in)

J. 165 mm (6.5 in)

K. 822 mm (32.36 in)

L. 76 mm (2.99 in)

M. 422 mm (16.61 in)



AAZIA0489ZZ

↖: Front of vehicle.

A. 102 mm (4.02 in)

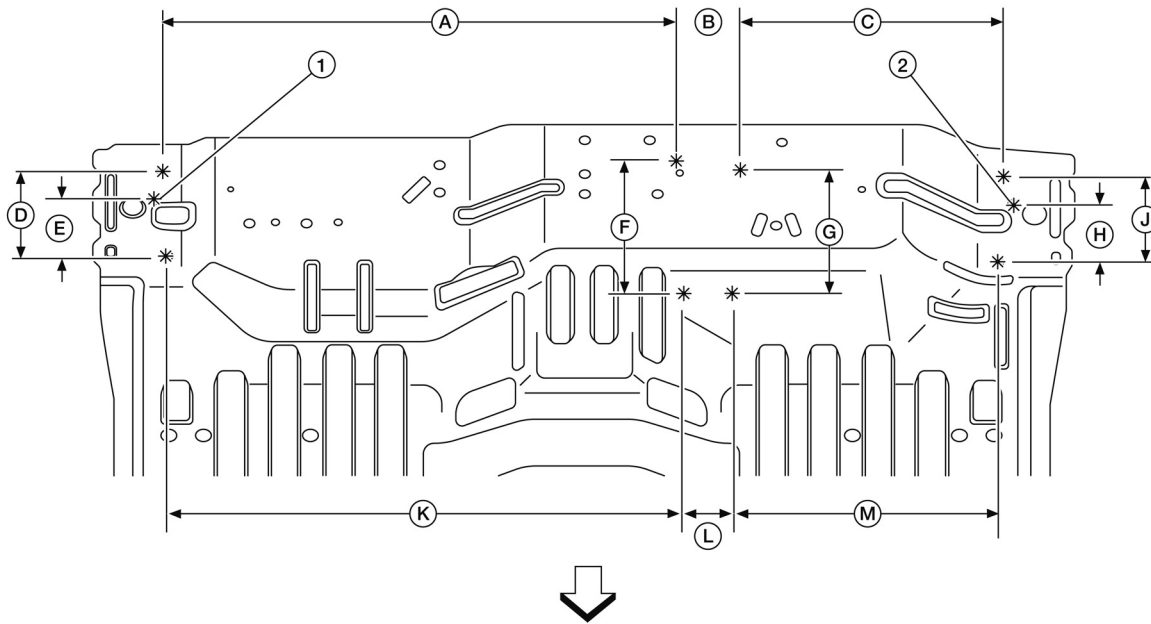
B. 64 mm (2.52 in)

C. 102 mm (4.02 in)

NOTE:

For complete removal and installation procedure of the rear seats, refer to the SE section in the service manual.

Rear Seat Mounting Hole Dimensions — King Cab® (2017-2019 Model Years)



AAZIA0921ZZ

↔: Front of vehicle.

1. Locator pin hole, RH seat

2. Locator pin hole, LH seat

A. 816 mm (32.13 in)

B. 103 mm (4.06 in)

C. 421 mm (16.57 in)

D. 165 mm (6.50 in)

E. 112 mm (4.41 in)

F. 211 mm (8.31 in)

G. 195 mm (7.68 in)

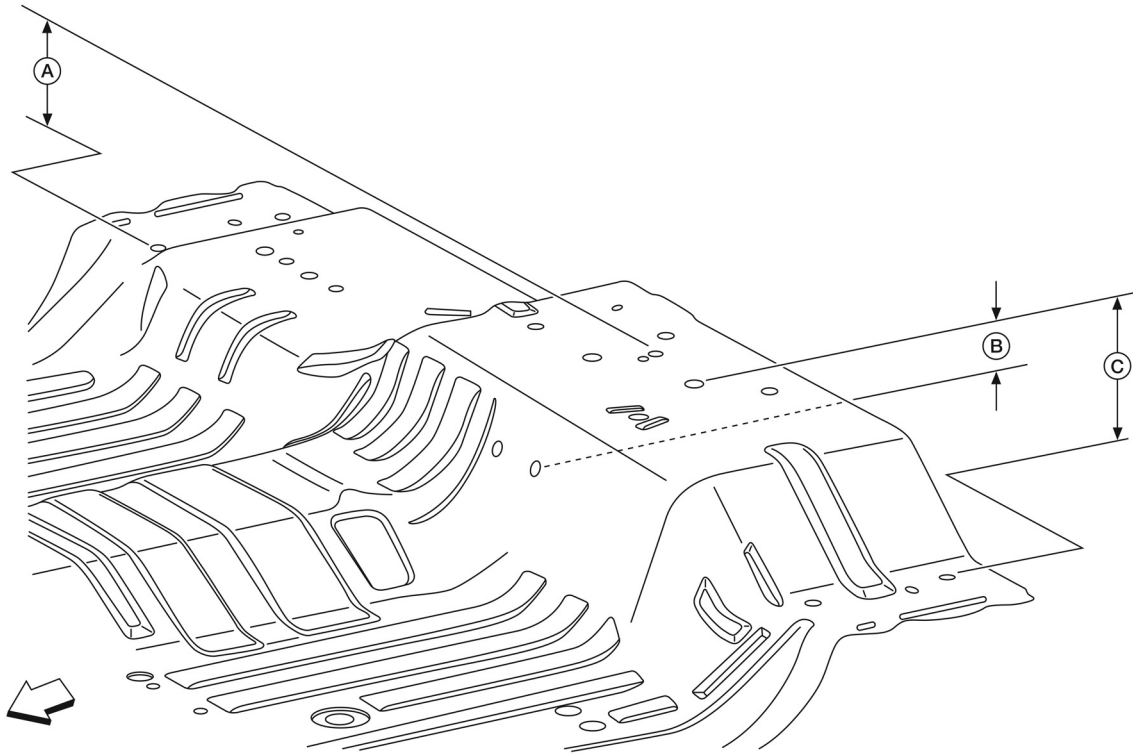
H. 112 mm (4.41 in)

J. 165 mm (6.50 in)

K. 822 mm (32.36 in)

L. 76 mm (2.99 in)

M. 422 mm (16.61 in)



AAZIA0922ZZ

↖: Front of vehicle.

A. 102 mm (4.02 in)

B. 62 mm (2.44 in)

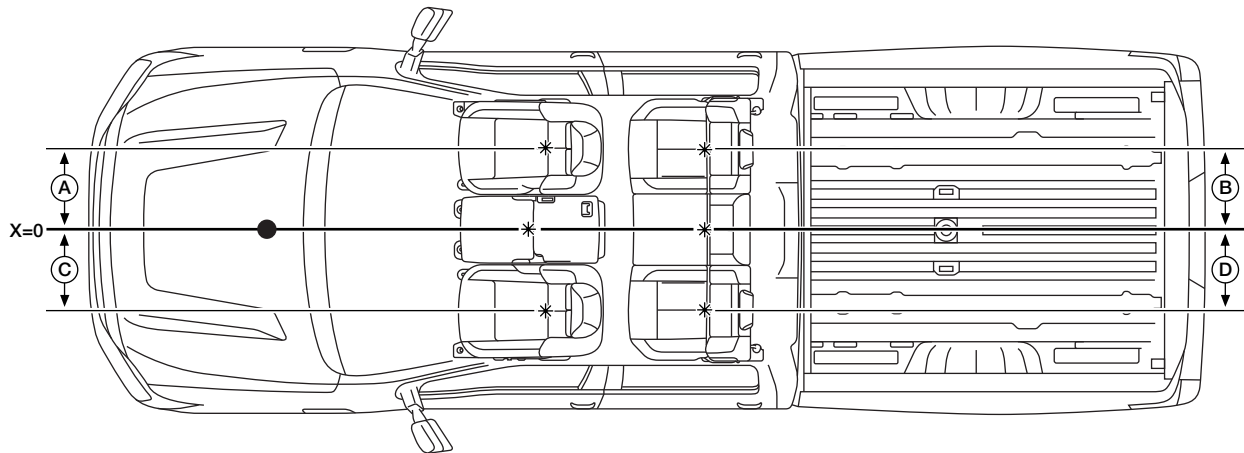
C. 102 mm (4.02 in)

NOTE:

For complete removal and installation procedure of the rear seats, refer to the SE section in the service manual.

Seat Position Diagrams

SgRP Seat Dimensions — Crew Cab



AAZIA0490ZZ

NOTE:

Bench seating is shown. Front captain seating does not include center folding seat.

* = SgRP

A. -455 mm (-17.91 in)

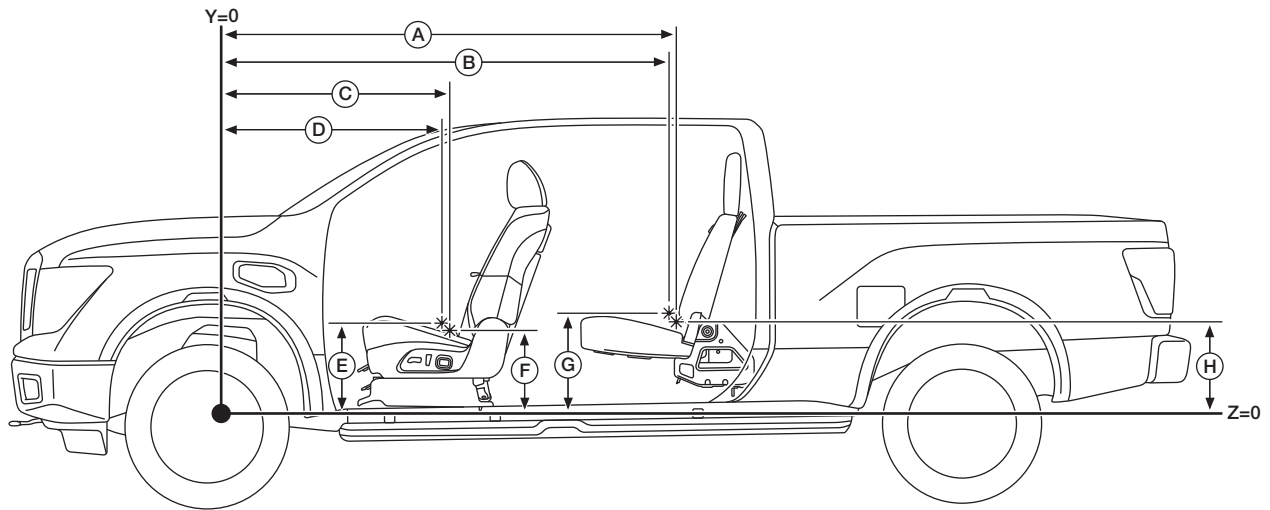
B. -450 mm (-17.72 in)

C. 455 mm (17.91 in)

D. 450 mm (17.72 in)

PASSENGER COMPARTMENT

[BODY DIMENSIONS]



AAZIA0491ZZ

* = SgRP

A. 2,428 mm (95.59 in),
LH and RH seats

D. 1,442 mm (56.77 in),
Center folding seat
(Bench seating only)

G. 417 mm (16.42 in),
Center seat

B. 2,418 mm (95.2 in),
Center seat

E. 420 mm (16.54 in),
Center folding seat
(Bench seating only)

H. 410 mm (16.14 in),
LH and RH seats

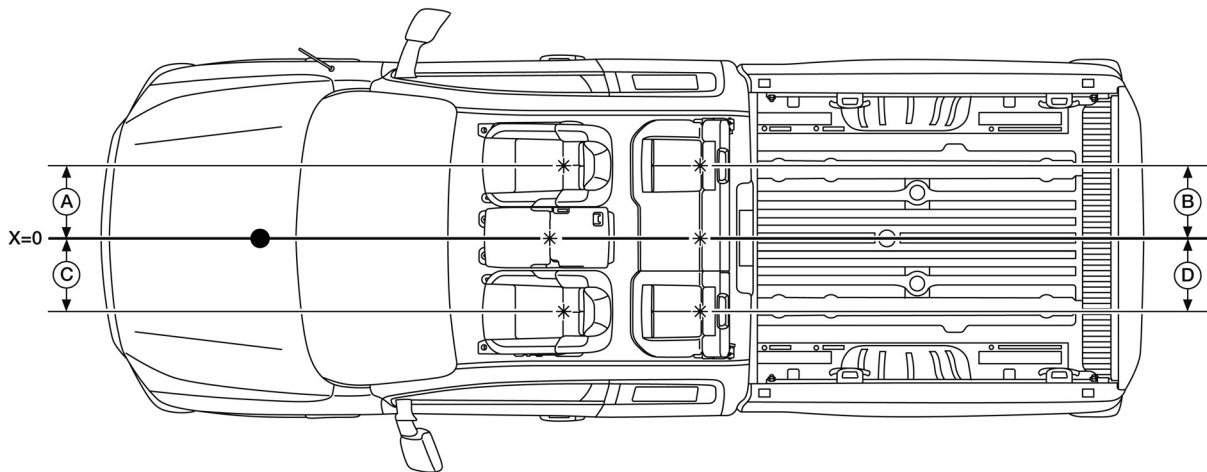
C. 1,527 mm (60.12 in),
LH and RH seats

F. 380 mm (14.96 in),
LH and RH seats

PASSENGER COMPARTMENT

[BODY DIMENSIONS]

SgRP Seat Dimensions — King Cab® (2017-2019 Model Years)



AAZIA0912ZZ

NOTE:

Bench seating is shown. Front captain seating does not include center folding seat.

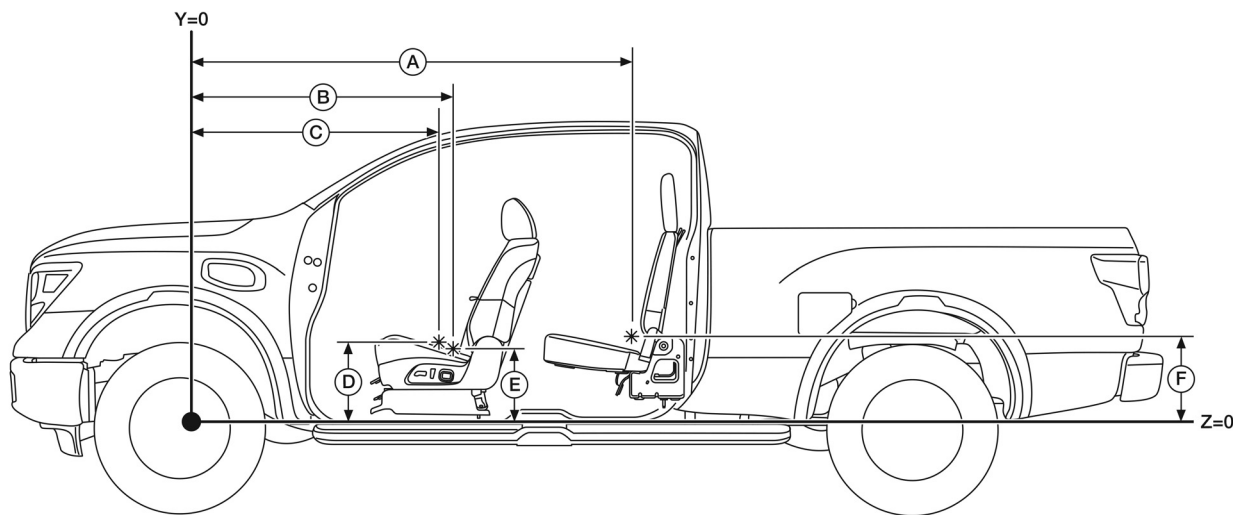
* = SgRP

A. -455 mm (-17.91 in)

B. -450 mm (-17.72 in)

C. 455 mm (17.91 in)

D. 450 mm (17.72 in)



AAZIA0913ZZ

* = SgRP

A. 2,220 mm (87.4 in),
LH, RH and center seats

B. 1,527 mm (60.12 in),
LH and RH seats

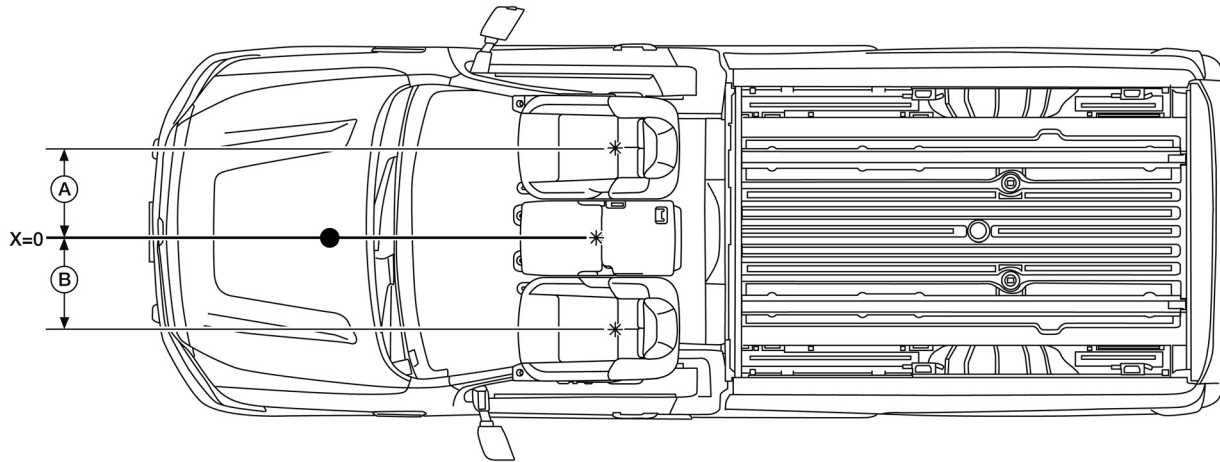
C. 1,442 mm (56.77 in),
Center folding seat
(Bench seating only)

D. 420 mm (16.54 in),
Center folding seat
(Bench seating only)

E. 380 mm (14.96 in),
LH and RH seats

F. 410 mm (16.14 in),
LH, RH and center seats

SgRP Seat Dimensions — Single Cab (2017-2019 Model Years)



AAZIA0842ZZ

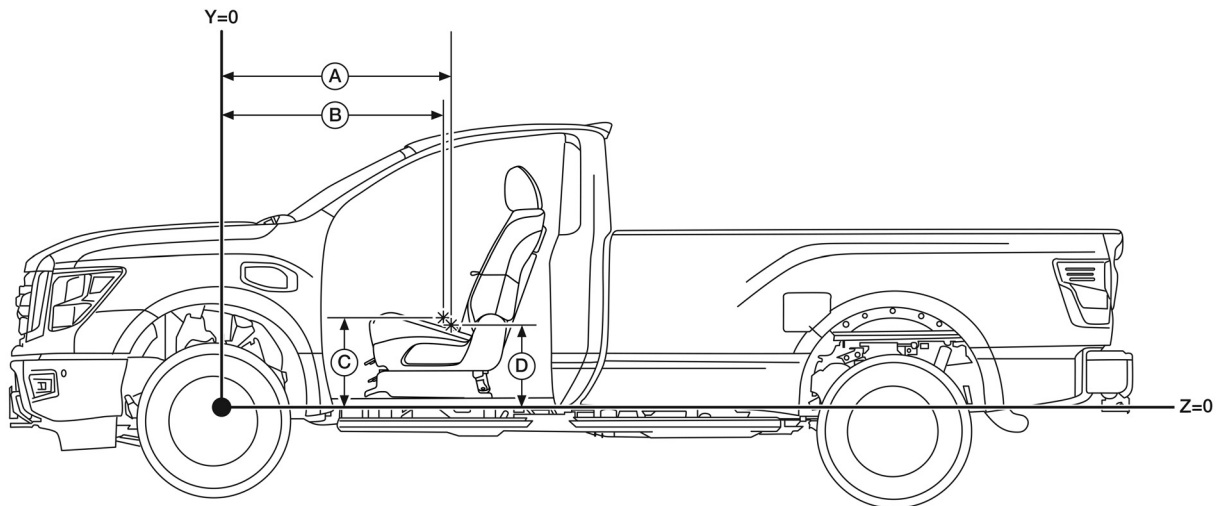
NOTE:

Bench seating is shown. Front captain seating does not include center folding seat.

* = SgRP

A. -455 mm (-17.91 in)

B. 455 mm (17.91 in)



AAZIA0880ZZ

* = SgRP

A. 1,527 mm (60.12 in),
LH and RH seats

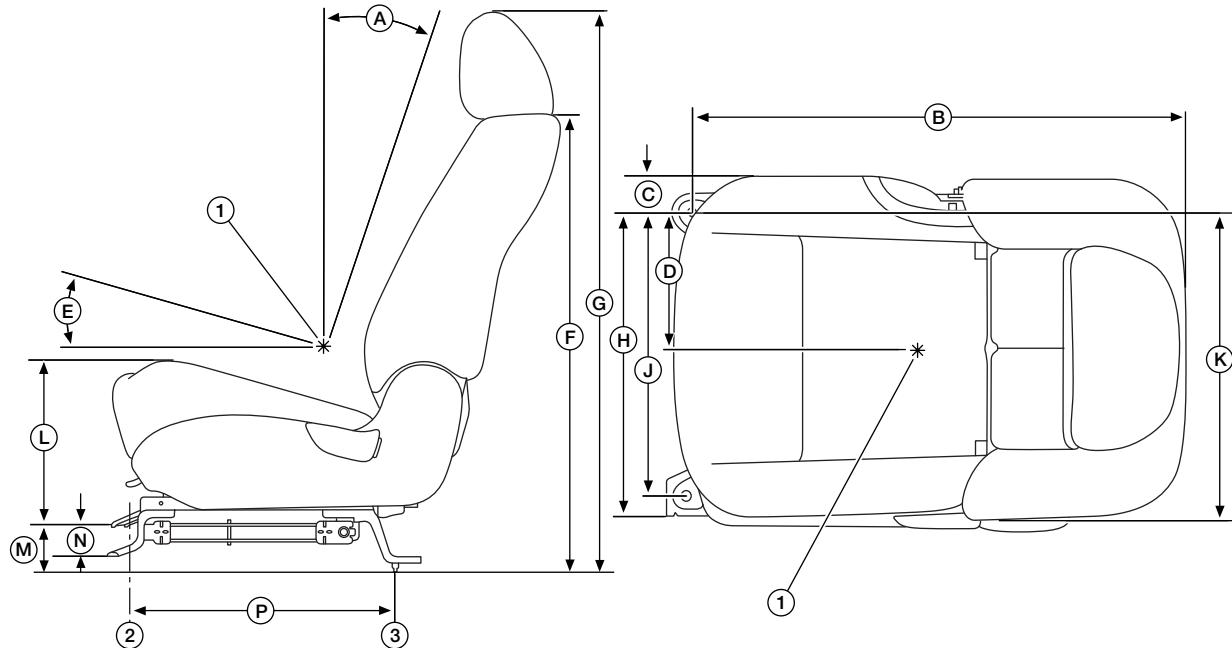
B. 1,442 mm (56.77 in),
Center folding seat

C. 420 mm (16.54 in),
Center folding seat

E. 380 mm (14.96 in),
LH and RH seats

All Cab Styles

LH Manual Track Front Seat



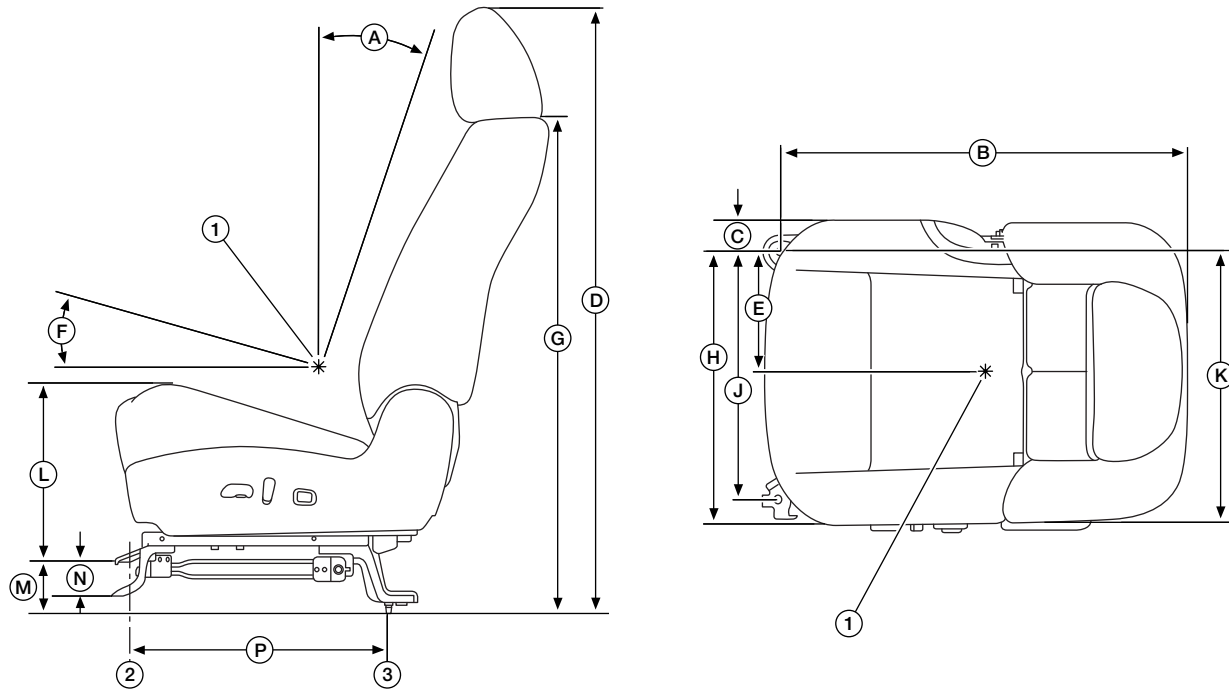
AAZIA0492ZZ

NOTE:

Seat is in full down and back position.

- | | | |
|--|---|-------------------------|
| 1. SgRP
X = 455 mm (17.91 in)
Y = 1,527 mm (60.12 in)
Z = 380 mm (14.96 in) | 2. Center of inboard front mounting bolt hole | 3. Mounting locator pin |
| A. Torso angle = 21° | B. 784.6 mm (30.89 in) | C. 54.2 mm (2.13 in) |
| D. 205 mm (8.07 in) | E. Cushion angle = 15° | F. 892.3 mm (35.13 in) |
| G. 1,088.5 mm (42.85 in) | H. 465.7 mm (18.33 in) | J. 425 mm (16.73 in) |
| K. 460.6 mm (18.13 in) | L. 314.5 mm (12.38 in) | M. 95.5 mm (3.76 in) |
| N. 61.2 mm (2.41 in) | P. 483.4 mm (19.03 in) | |

LH Power Track Front Seat



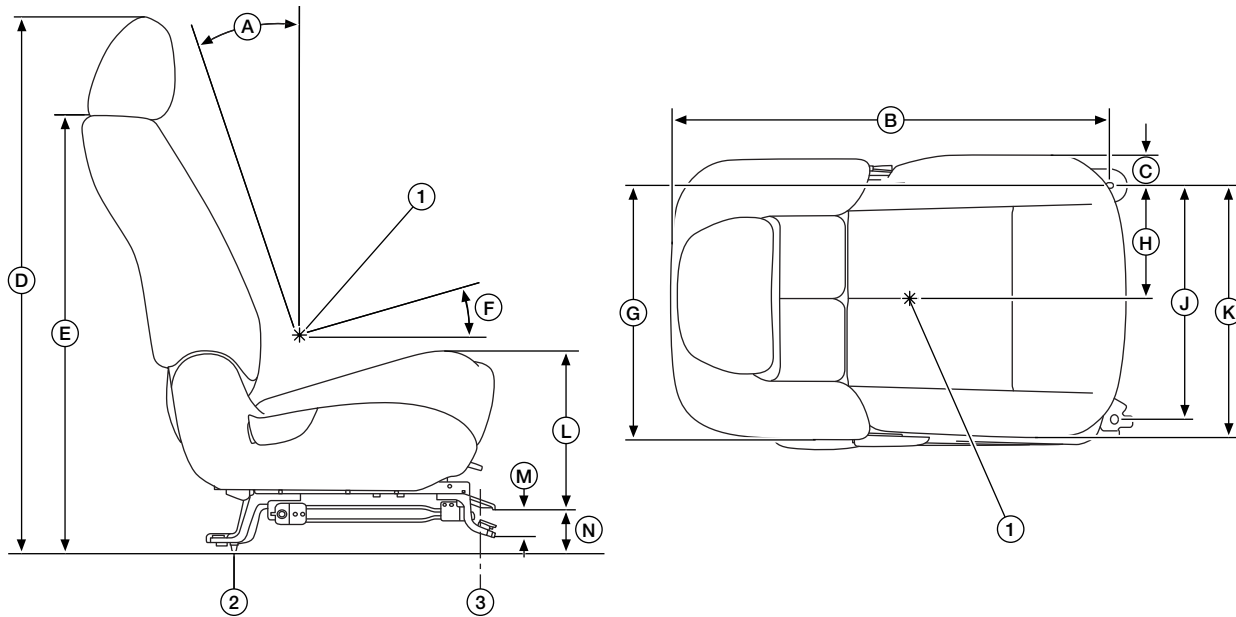
AAZIA0493ZZ

NOTE:

Seat is in full down and back position.

- | | | |
|--|--|-------------------------|
| 1. SgRP
X = 455 mm (17.91 in)
Y = 1,527 mm (60.12 in)
Z = 380 mm (14.96 in) | 2. Center of inboard front
mounting bolt hole | 3. Mounting locator pin |
| A. Torso angle = 21° | B. 784.6 mm (30.89 in) | C. 54.2 mm (2.13 in) |
| D. 1,091.9 mm (42.99 in) | E. 205 mm (8.07 in) | F. Cushion angle = 15° |
| G. 892 mm (35.12 in) | H. 466.7 mm (18.37 in) | J. 425 mm (16.73 in) |
| K. 460.6 mm (18.13 in) | L. 318.1 mm (12.52 in) | M. 95 mm (3.74 in) |
| N. 61.2 mm (2.41 in) | P. 483.5 mm (19.04 in) | |

RH Manual Track Front Seat



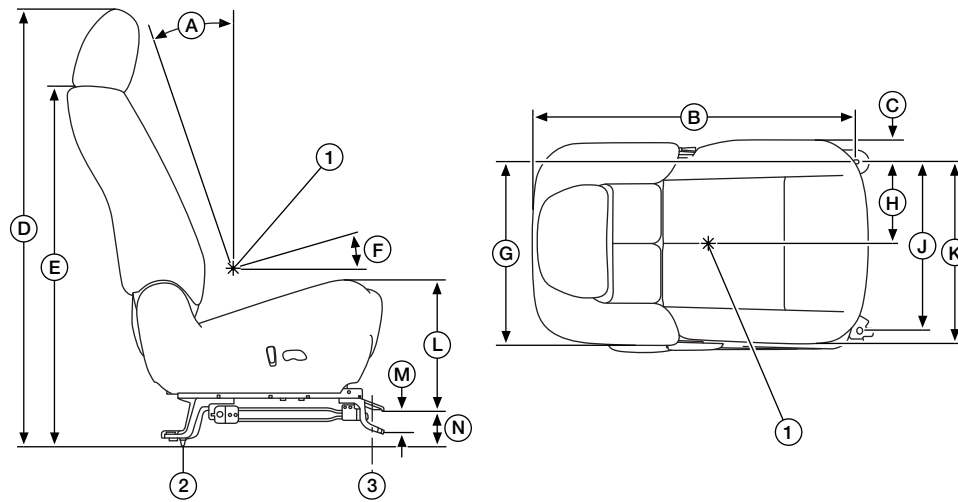
AAZIA0494ZZ

NOTE:

Seat is in full down and back position.

- | | | |
|--|-------------------------|---|
| 1. SgRP
X = -455 mm (-17.91 in)
Y = 1,527 mm (60.12 in)
Z = 380 mm (14.96 in) | 2. Mounting locator pin | 3. Center of inboard front mounting bolt hole |
| A. Torso angle = 21° | B. 784.6 mm (30.89 in) | C. 54.2 mm (2.13 in) |
| D. 1,088.5 mm (42.85 in) | E. 892.3 mm (35.13 in) | F. Cushion angle = 15° |
| G. 460.6 mm (18.13 in) | H. 205 mm (8.07 in) | J. 425 mm (16.73 in) |
| K. 456.7 mm (17.98 in) | L. 314.5 mm (12.38 in) | M. 61.2 mm (2.41 in) |
| N. 95.5 mm (3.76 in) | | |

RH Power Track Front Seat



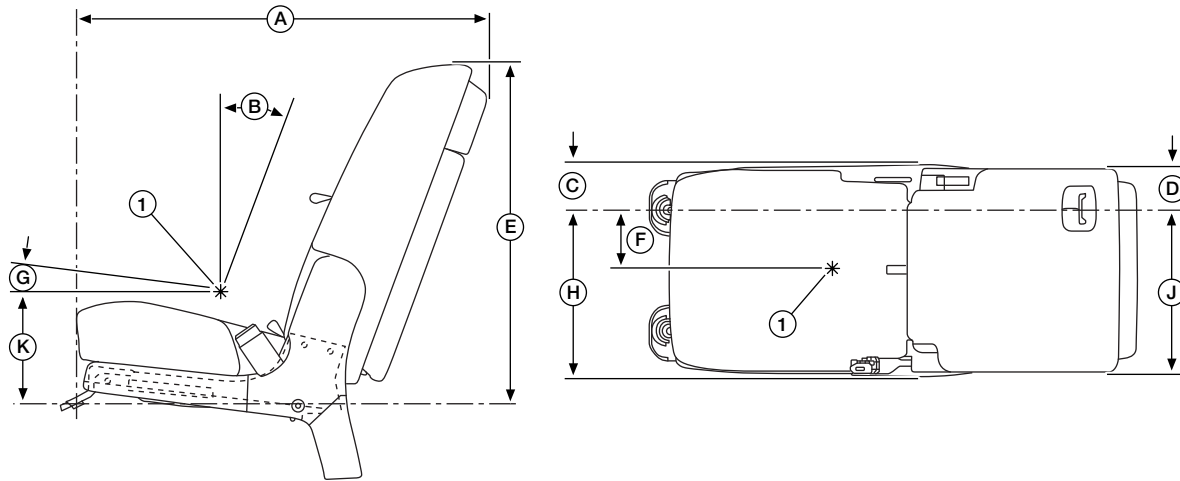
AAZIA0495ZZ

NOTE:

Seat is in full down and back position.

- | | | |
|--|-------------------------|---|
| 1. SgRP
X = -455 mm (-17.91 in)
Y = 1,527 mm (60.12 in)
Z = 380 mm (14.96 in) | 2. Mounting locator pin | 3. Center of inboard front mounting bolt hole |
| A. Torso angle = 21° | B. 784.6 mm (30.89 in) | C. 54.2 mm (2.13 in) |
| D. 1,083.7 mm (42.67 in) | E. 891.8 mm (35.11 in) | F. Cushion angle = 15° |
| G. 460.6 mm (18.13 in) | H. 205 mm (8.07 in) | J. 425 mm (16.73 in) |
| K. 456.7 mm (17.98 in) | L. 316.4 mm (12.46 in) | M. 61.2 mm (2.41 in) |
| N. 95 mm (3.74 in) | | |

Center Folding Front Seat (Bench seating only)



AAZIA0496ZZ

1. SgRP

X = 0 mm (0 in)
 Y = 1,442 mm (56.77 in)
 Z = 420 mm (16.54 in)

A. 8071 mm (31.78 in)

B. Torso angle = 21°

C. 86 mm (3.39 in)

D. 79 mm (3.11 in)

E. 688 mm (27.09 in)

F. 113 mm (4.45 in)

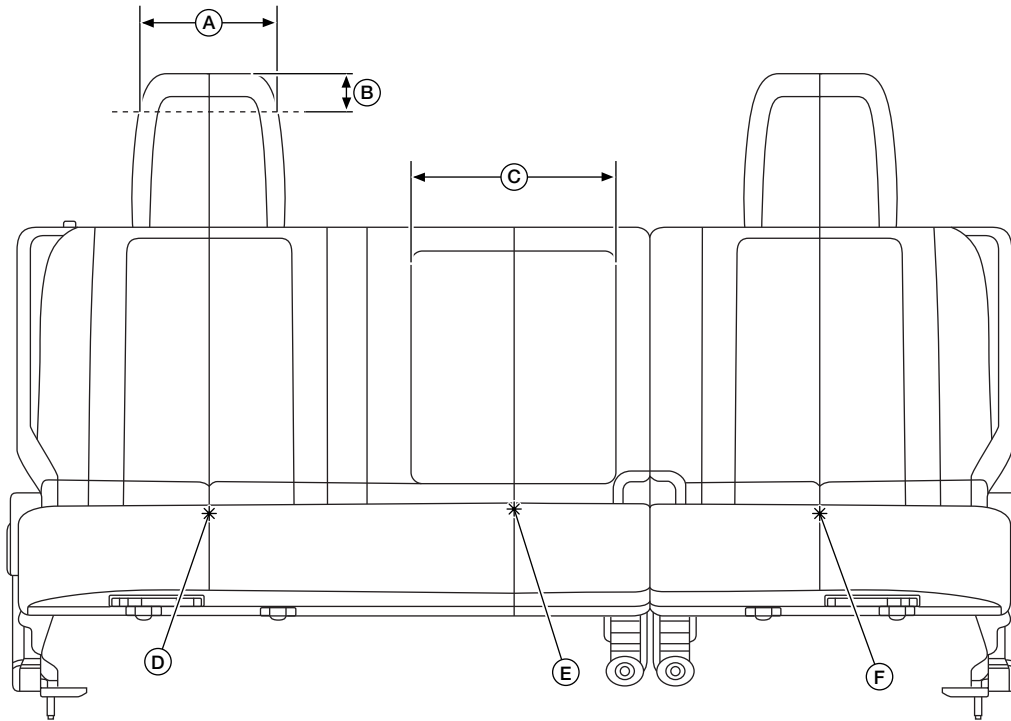
G. Cushion angle = 15°

H. 311 mm (12.24 in)

J. 304 mm (11.97 in)

K. 228.5 mm (9.0 in)

SgRP Rear Seat Dimensions – Crew Cab



AAZIA0485ZZ

A. 200 mm (7.87 in)

B. 65 mm (2.56 in)

C. X = -450 mm (-17.72 in)

D. X = 0 mm (0 in)

E. X = 450 mm (17.72 in)

Y = 2,220 mm (87.4 in)

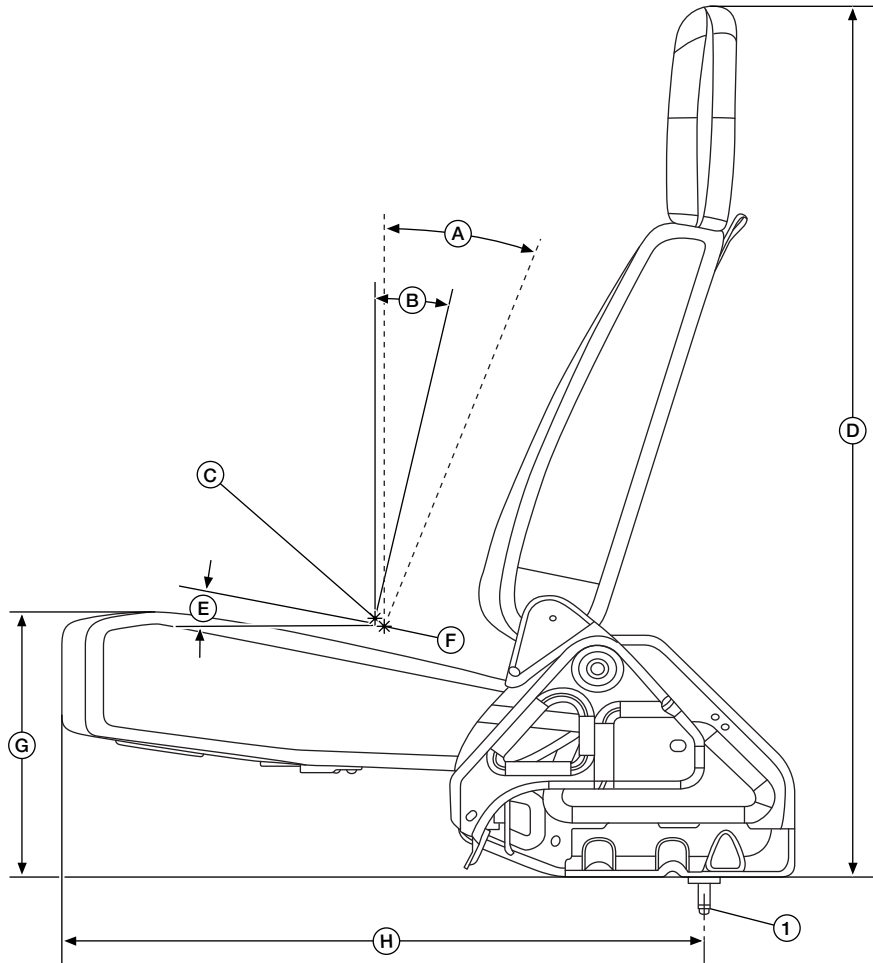
Y = 2,220 mm (87.4 in)

Y = 2,220 mm (87.4 in)

Z = 410 mm (16.14 in)

Z = 417 mm (16.42 in)

Z = 410 mm (16.14 in)



AAZIA0486ZZ

1. Mounting locator pin

A. Torso angle = 20°
(LH and RH seats)

B. Torso angle = 12°
(center seat)

C. X = 0 mm (0 in)
Y = 2,418 mm (95.2 in)
Z = 417 mm (16.42 in)
(Center seat)

D. 1,004.1 mm (39.53 in)

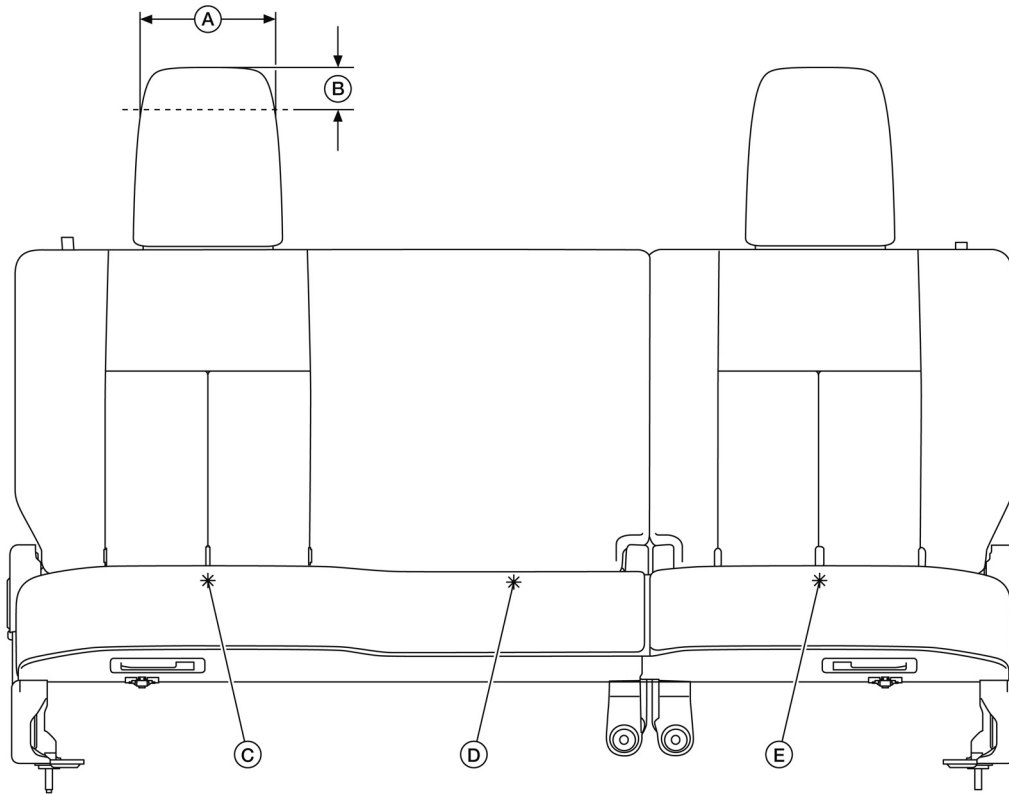
E. Cushion angle = 12°

F. X: 450 mm (17.72 in) (LH),
-450 mm (-17.72 in) (RH)
Y: 2,428 mm (95.59 in)
Z: 410 mm (16.14 in)

G. 309.4 mm (12.18 in)

H. 661.2 mm (26.03 in)

SgRP Rear Seat Dimensions — King Cab® (2017-2019 Model Years)



AAZIA0930ZZ

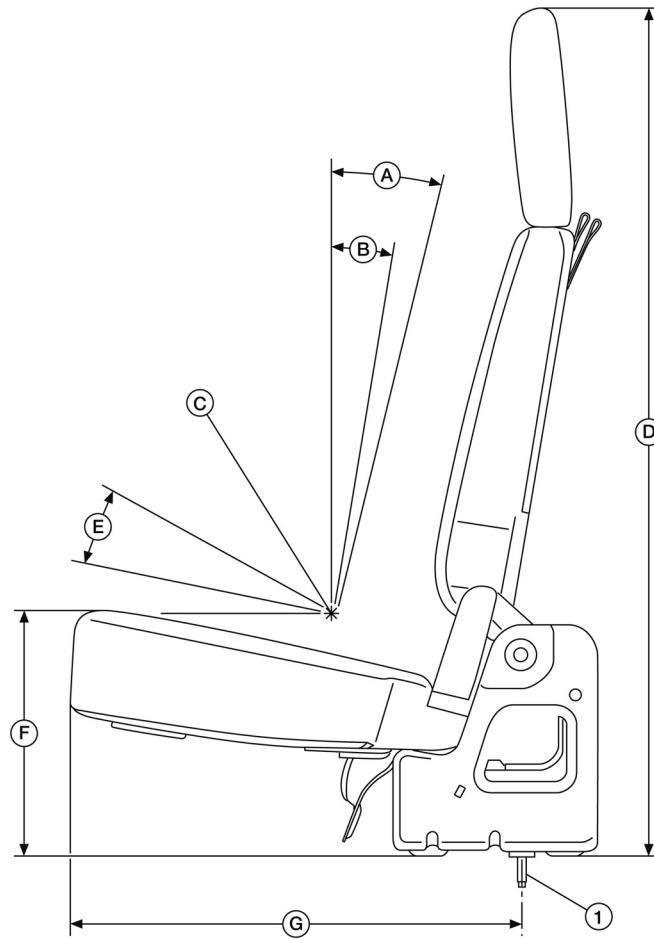
A. 200 mm (7.87 in)

B. 65 mm (2.56 in)

C. X = -450 mm (-17.72 in)
Y = 2,220 mm (87.4 in)
Z = 410 mm (16.14 in)

D. X = 0 mm (0 in)
Y = 2,220 mm (87.4 in)
Z = 417 mm (16.42 in)

E. X = 450 mm (17.72 in)
Y = 2,220 mm (87.4 in)
Z = 410 mm (16.14 in)



AAZIA0931ZZ

1. Mounting locator pin

A. Torso angle = 18°
(LH and RH seats)

B. Torso angle = 9°
(center seat)

C. X: 450 mm (17.72 in) (LH),
-450 mm (-17.72 in) (RH)
0 mm (0 in) (center)

D. 1,032.5 mm (40.65 in)

E. Cushion angle = 12°

Y: 2,220 mm (87.4 in)
Z: 410 mm (16.14 in)

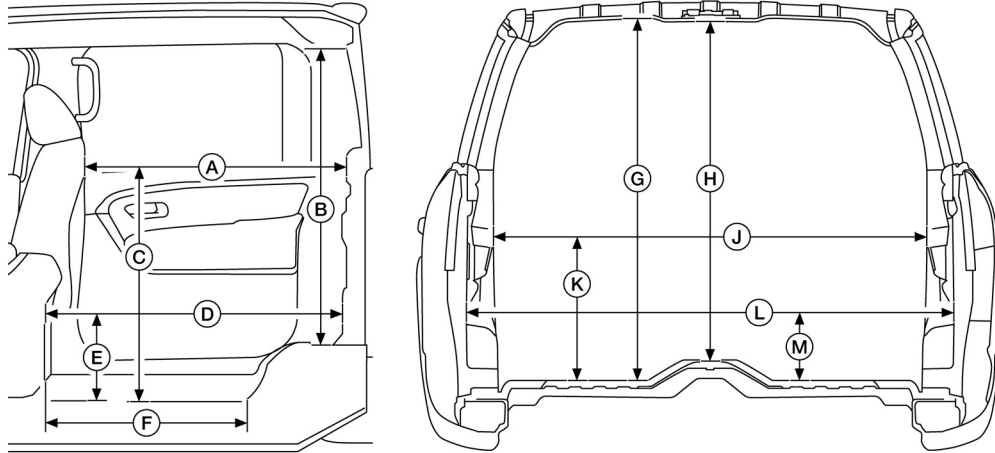
F. 296.3 mm (11.67 in)

G. 547.5 mm (21.56 in)

CARGO AREA

Interior Dimensions—Crew Cab

Overall (Without Moonroof)



AAZIA0506ZZ

A. Maximum cargo length behind front seat back (full upright position):

- Rear-most seat position: 1,030 mm (40.55 in)
- Front-most seat position: 1,280 mm (50.39 in)

D. Maximum cargo length behind center console: 995 mm (39.17 in)

G. Maximum cargo height: 1,260 mm (49.61 in)

K. Reference height from floor: 570 mm (22.44 in)

B. Height at rear: 1,064 mm (41.89 in)

E. Reference height from floor: 380 mm (14.96 in)

H. Maximum cargo height : 1,174 mm (46.22 in)

L. Maximum cargo width between C-pillars: 1,548 mm (60.94 in)

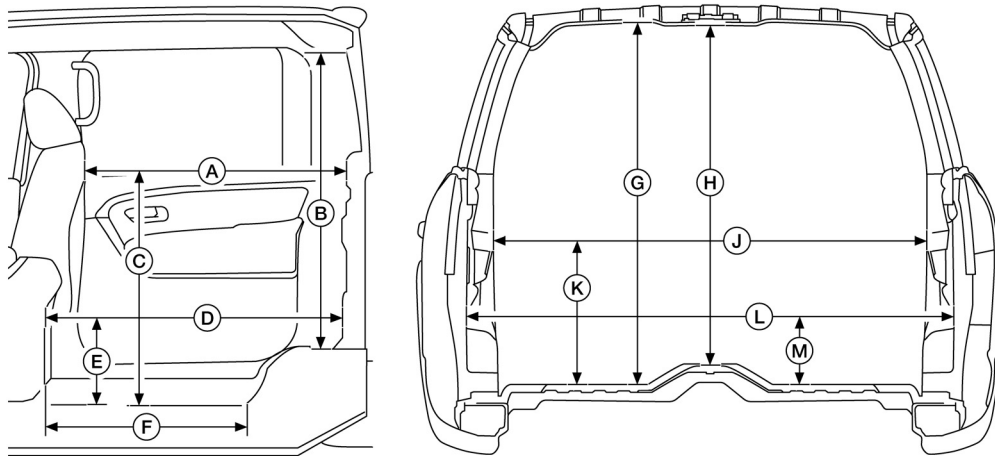
C. Reference height from floor: 830 mm (32.68 in)

F. Maximum cargo length at floor behind seat: 680 mm (26.77 in)

J. Maximum cargo width between rear door arm rests: 1,496 mm (58.90 in)

M. Reference height from floor: 480 mm (18.9 in)

Overall (With Moonroof)



AAZIA0506ZZ

A. Maximum cargo length behind front seat back (full upright position):

- Rear-most seat position: 1,030 mm (40.55 in)
- Front-most seat position: 1,280 mm (50.39 in)

D. Maximum cargo length behind center console: 995 mm (39.17 in)

G. Maximum cargo height: 1,220 mm (48.03 in)

K. Reference height from floor: 570 mm (22.44 in)

B. Height at rear: 1,016 mm (40 in)

E. Reference height from floor: 380 mm (14.96 in)

H. Maximum cargo height : 1,151 mm (45.31 in)

L. Maximum cargo width between C-pillars: 1,548 mm (60.94 in)

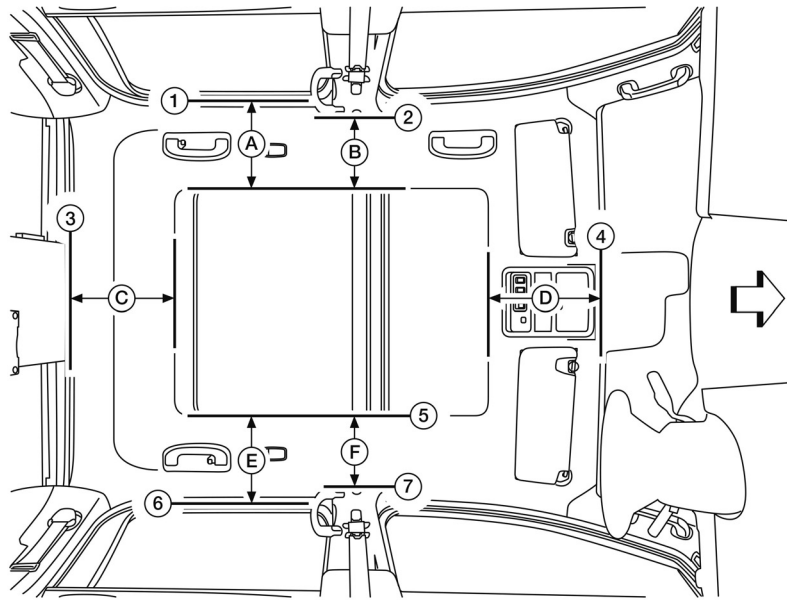
C. Reference height from floor: 830 mm (32.68 in)

F. Maximum cargo length at floor behind seat: 680 mm (26.77 in)

J. Maximum cargo width between rear door arm rests: 1,496 mm (58.90 in)

M. Reference height from floor: 480 mm (18.9 in)

Moonroof



TGAAZIA0105ZZ

↔: Front of vehicle.

1. Reference point: Door glass trim edge

2. Reference point: Inside edge of center pillar upper finisher at headlining

3. Reference point: Rear window glass trim edge

4. Reference point: Headlining edge at windshield

5. Reference point: headlining edge at moonroof

6. Reference point: Door glass trim edge

7. Reference point: Inside edge of center pillar upper finisher at headlining

A. 266.7 mm (10.5 in)

B. 228.6 mm (9.0 in)

C. 336.55 mm (13.25 in)

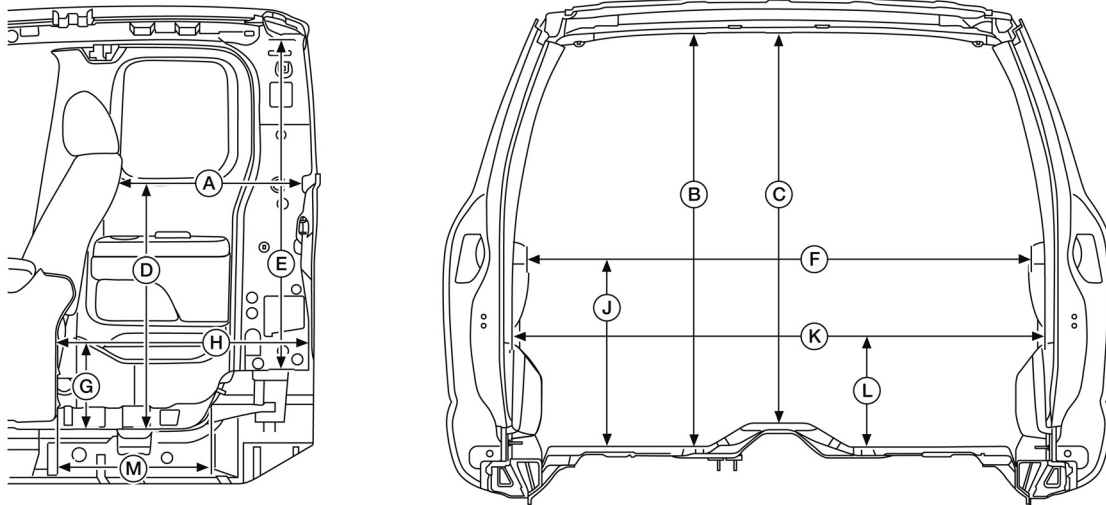
D. 393.7 mm (15.5 in)

E. 266.7 mm (10.5 in)

F. 228.6 mm (9.0 in)

Interior Dimensions—King Cab® (2017-2019 Model Years)

Overall



AAZIA0920ZZ

A. Maximum cargo length behind front seat back (full upright position):

- Rear-most seat position: 710 mm (27.95 in)
- Front-most seat position: 960 mm (37.8 in)

D. Reference height from floor: 830 mm (32.68 in)

G. Reference height from floor: 380 mm (14.96 in)

K. Maximum cargo width between rear pillars: 1,526 mm (60.08 in)

B. Maximum cargo height: 1,260 mm (49.61 in)

E. Height at rear: 1,064 mm (41.89 in)

H. Maximum cargo length behind center console: 710 mm (27.95 in)

L. Reference height from floor: 480 mm (18.9 in)

C. Maximum cargo height: 1,174 mm (46.22 in)

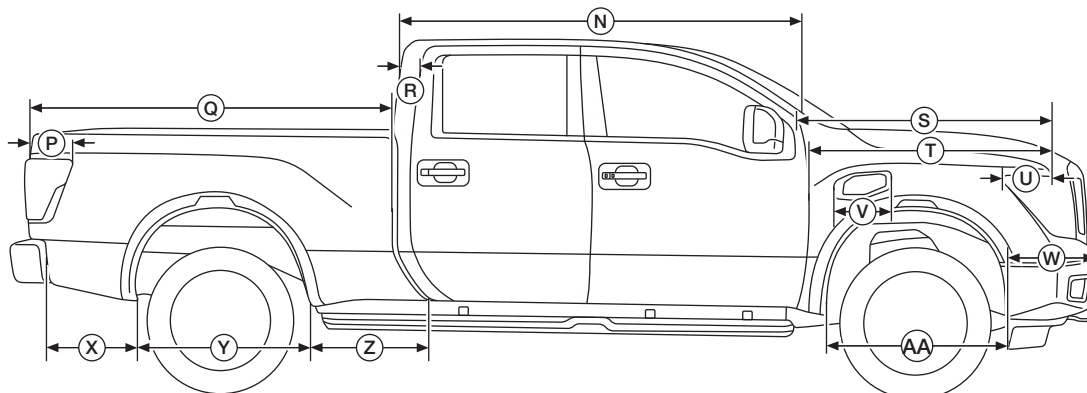
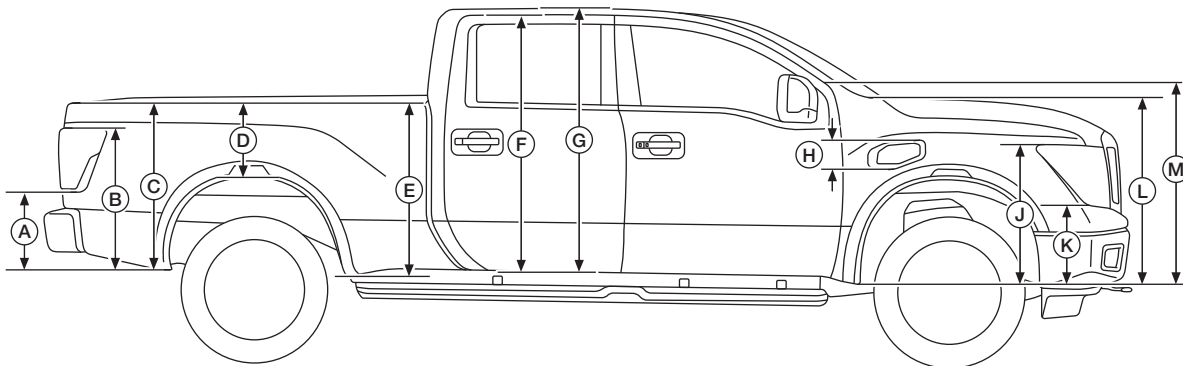
F. Maximum cargo width between rear door arm rests: 1,496 mm (58.90 in)

J. Reference height from floor: 570 mm (22.44 in)

M. Maximum cargo length at floor behind seat: 440 mm (17.32 in)

SIGN AREA – CREW CAB

RH Exterior Dimensions



AAZIA0498ZZ

A. 457 mm (17.99 in)

B. 804 mm (31.65 in)

C. 933 mm (36.73 in)

D. 401 mm (15.79 in)

E. 959 mm (37.76 in)

F. 1,439 mm (56.65 in)

G. 1,468 mm (57.80 in)

H. 170 mm (6.69 in)

J. 799 mm (31.46 in)

K. 577 mm (22.72 in)

L. 1,024 mm (40.31 in)

M. 1,098 mm (43.23 in)

N. 2,314 mm (91.10 in)

P. 300 mm (11.81 in)

Q. 2,107 mm (82.95 in)

R. 127 mm (5.0 in)

S. 1,351 mm (53.19 in)

T. 1,291 mm (50.83 in)

U. 281 mm (11.06 in)

V. 326 mm (12.83 in)

W. 600 mm (23.62 in) (2016-2019 Model Years)

588 mm (23.1 in) (Starting with 2020 model year)

X. 597 mm (23.50 in) (2016-2019 Model Years)

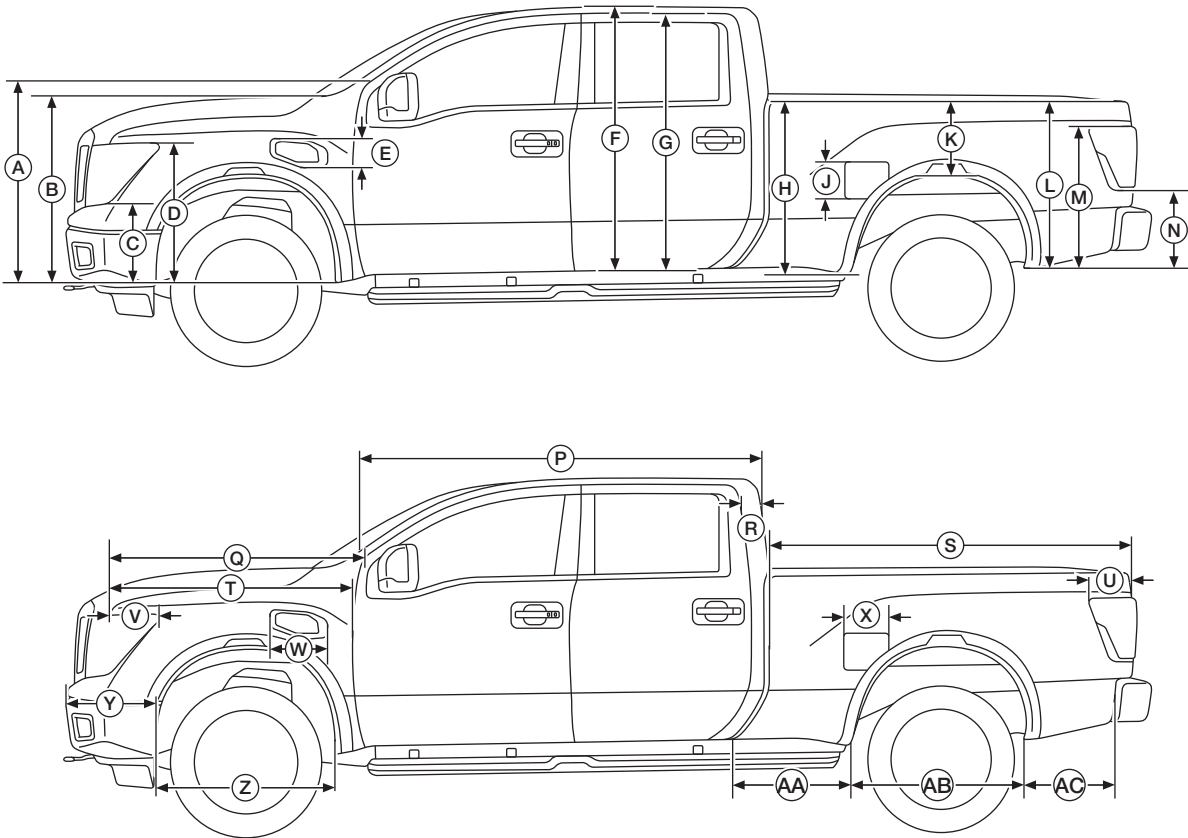
Y. 973 mm (38.31 in)

Z. 641 mm (25.24 in)

788 mm (31.0 in) (Starting with 2020 model year)

AA. 1,123 mm (44.21 in)

LH Exterior Dimensions



AAZIA0499ZZ

A. 1,098 mm (43.23 in)

D. 799 mm (31.46 in)

G. 1,439 mm (56.65 in)

K. 401 mm (15.79 in)

N. 457 mm (17.99 in)

R. 127 mm (5.0 in)

U. 300 mm (11.81 in)

X. 254 mm (10.0 in)

AA. 641 mm (25.24 in)

B. 1,024 mm (40.31 in)

E. 170 mm (6.69 in)

H. 959 mm (37.76 in)

L. 933 mm (36.73 in)

P. 2,314 mm (91.10 in)

S. 2,107 mm (82.95 in)

V. 281 mm (11.06 in)

Y. 600 mm (23.62 in) (2016–2019
Model Years)588 mm (23.1 in) (Starting with
2020 model year)

AB. 973 mm (38.31 in)

C. 577 mm (22.72 in)

F. 1,468 mm (57.80 in)

J. 211 mm (8.31 in)

M. 804 mm (31.65 in)

Q. 1,351 mm (53.19 in)

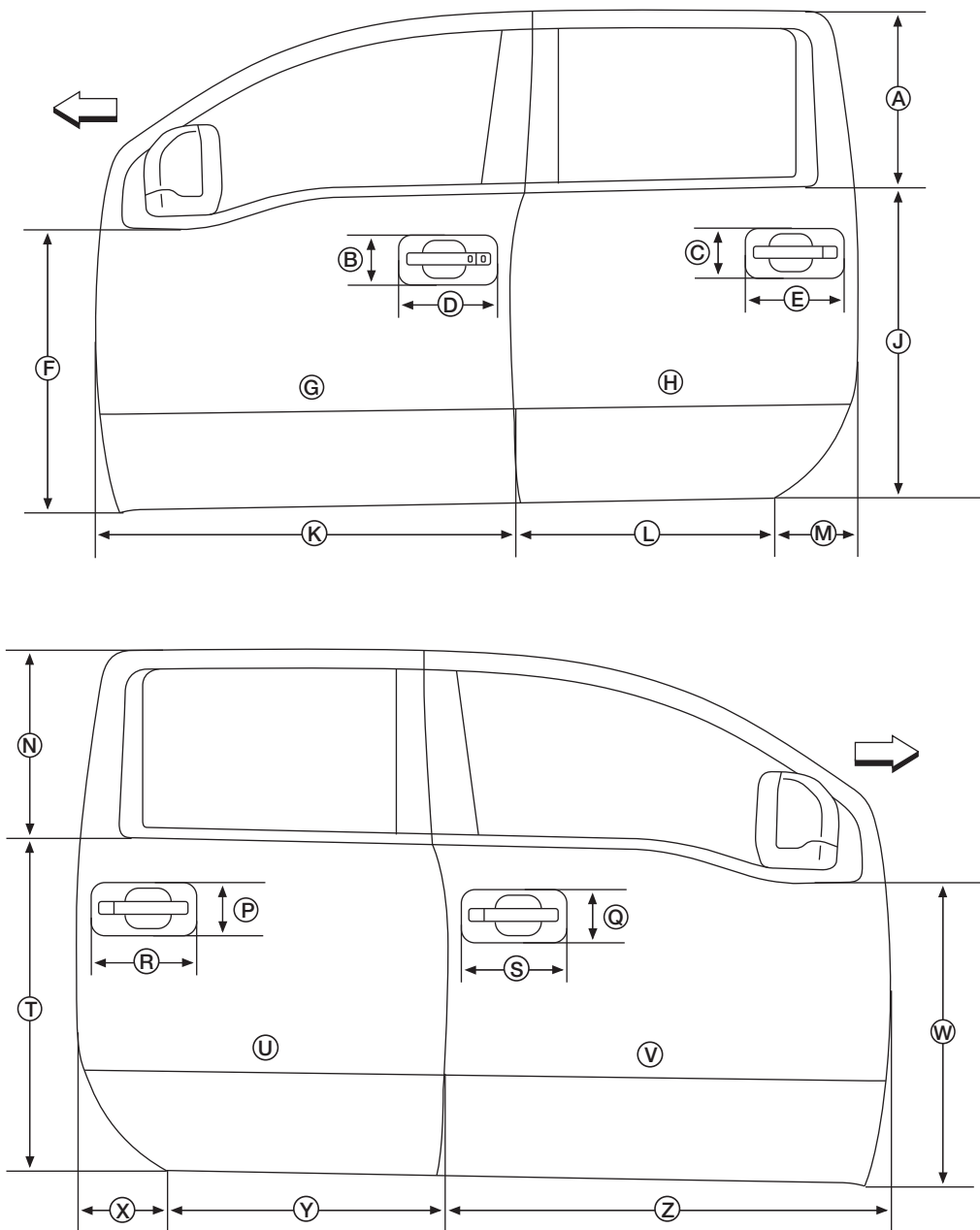
T. 1,291 mm (50.83 in)

W. 326 mm (12.83 in)

Z. 1,123 mm (44.21 in)

AC. 597 mm (23.50 in) (2016–2019
Model Years)788 mm (31.0 in) (Starting with
2020 model year)

Door Sign Area



AAZIA0500ZZ

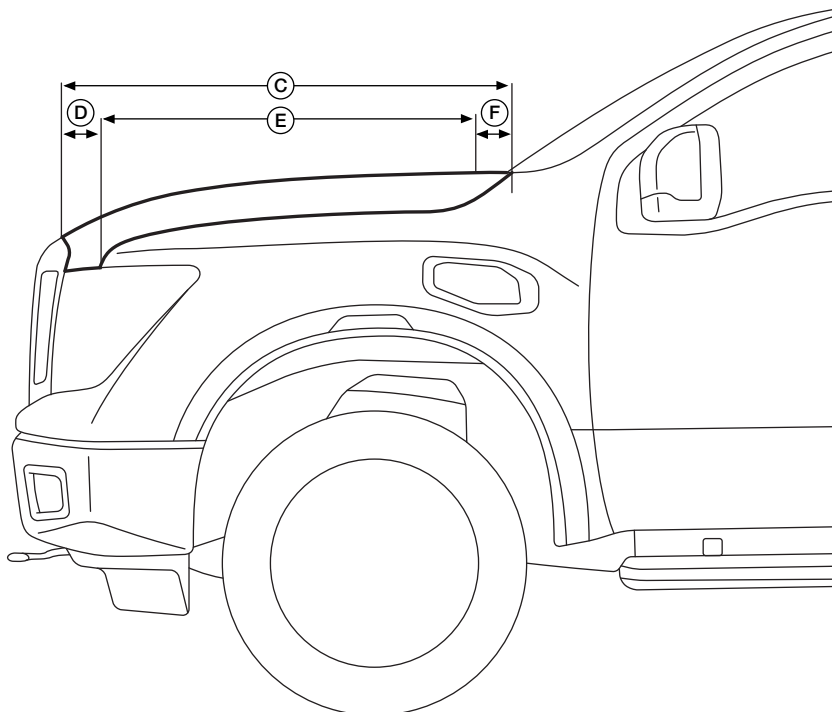
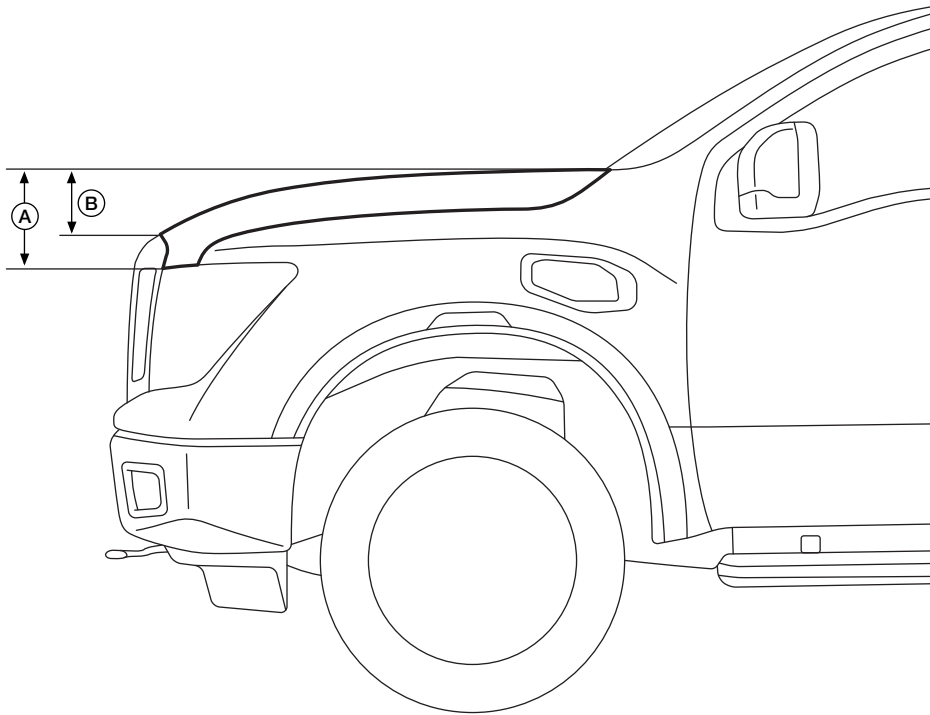
↔: Front of vehicle.

- A. 505 mm (19.88 in)
- D. 286 mm (11.26 in)
- G. 1.27 m² (13.67 ft²)
- K. 1,203 mm (47.36 in)
- N. 505 mm (19.88 in)
- R. 286 mm (11.26 in)
- U. 1.15 m² (12.38 ft²)
- X. 223 mm (8.78 in)

- B. 149 mm (5.87 in)
- E. 286 mm (11.26 in)
- H. 1.15 m² (12.38 ft²)
- L. 768 mm (30.24 in)
- P. 149 mm (5.87 in)
- S. 286 mm (11.26 in)
- V. 1.27 m² (13.67 ft²)
- Y. 768 mm (30.24 in)

- C. 149 mm (5.87 in)
- F. 807 mm (31.77 in)
- J. 888 mm (34.96 in)
- M. 223 mm (8.78 in)
- Q. 149 mm (5.87 in)
- T. 888 mm (34.96 in)
- W. 807 mm (31.77 in)
- Z. 1,203 mm (47.36 in)

Hood Surface Exterior Dimensions



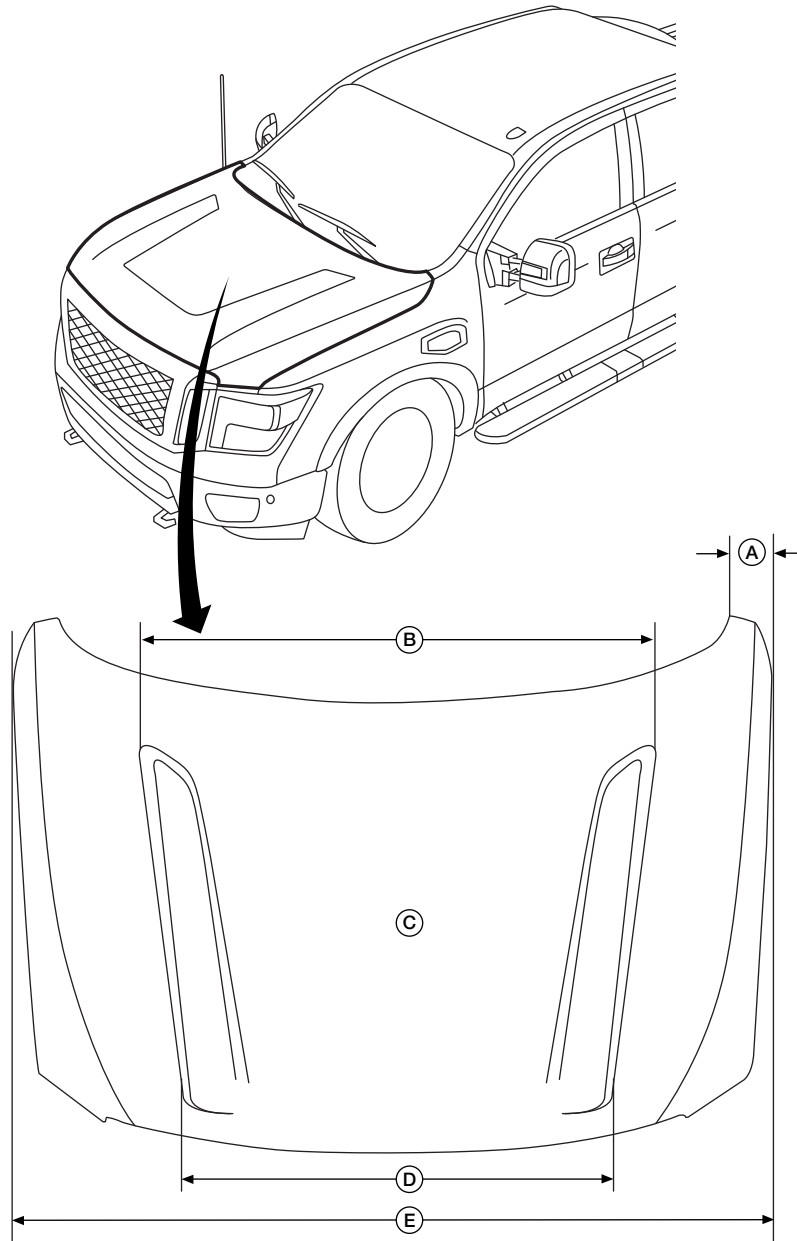
AAZIA0501ZZ

A. 230 mm (9.06 in)
D. 186 mm (7.32 in)

B. 161 mm (6.34 in)
E. 881 mm (34.68 in)

C. 1,265 mm (49.80 in)
F. 198 mm (7.8 in)

Hood Area



AAZIA0502ZZ

A. 100 mm (3.64 in)

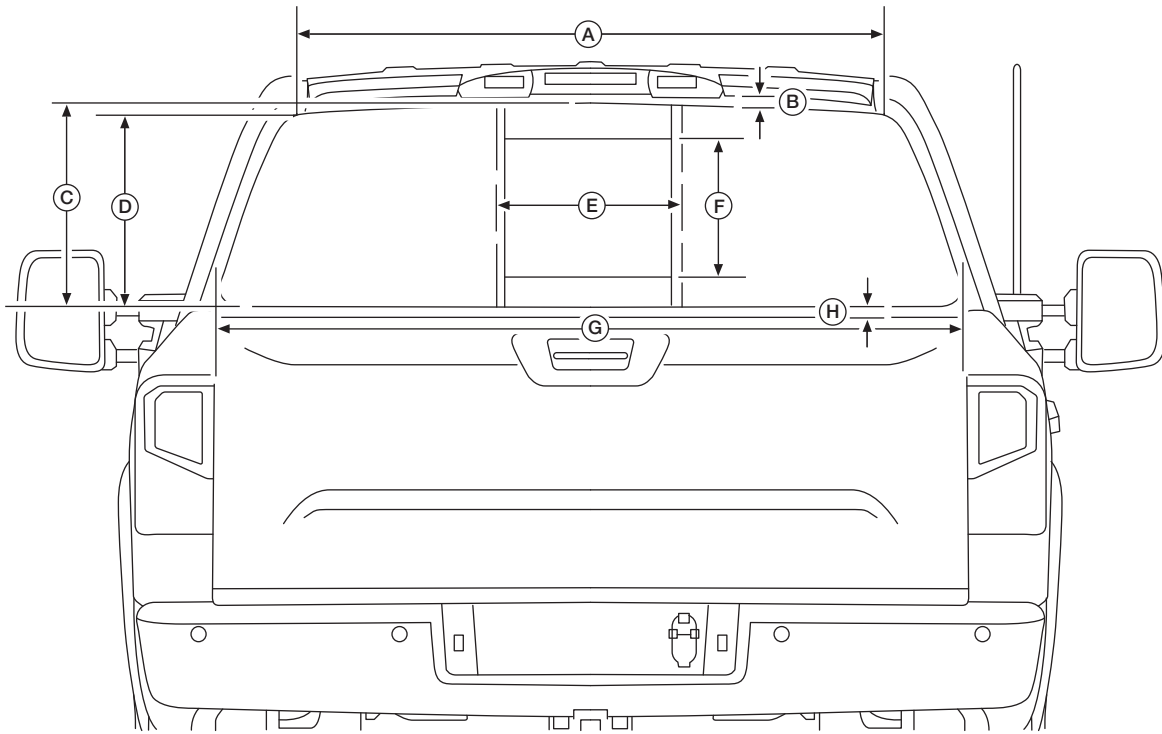
B. 1,212 mm (47.72 in)

C. Flat surface area: 1.98 m²
(3,069 in²)

D. 1,034 mm (40.71 in)

E. 1,780 mm (70.08 in)

Back Window Opening Sign Area



AAZIA0504ZZ

A. 1,323 mm (52.09 in)

D. 400 mm (15.75 in)

G. 1,603 mm (63.11 in)

B. 27 mm (1.06 in)

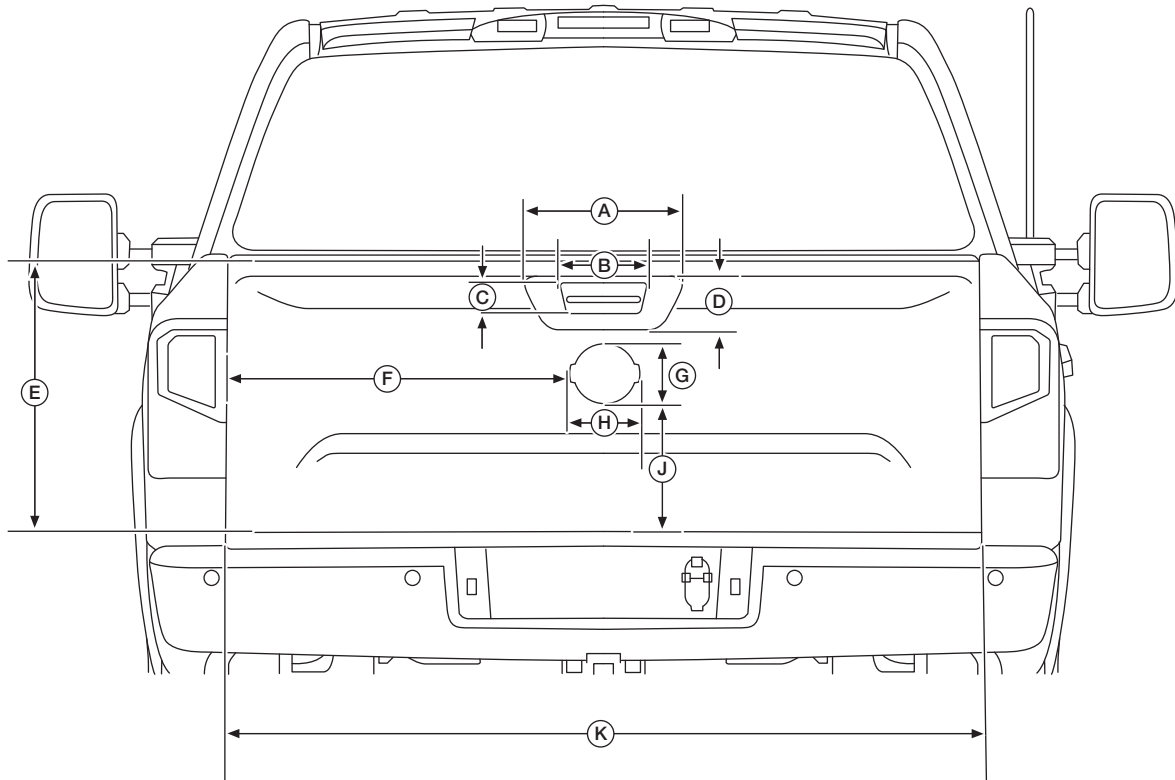
E. 358 mm (14.09 in)

H. 43 mm (1.69 in)

C. 430 mm (16.93 in)

F. 281 mm (11.06 in)

Tailgate Sign Area



AAZIA0503ZZ

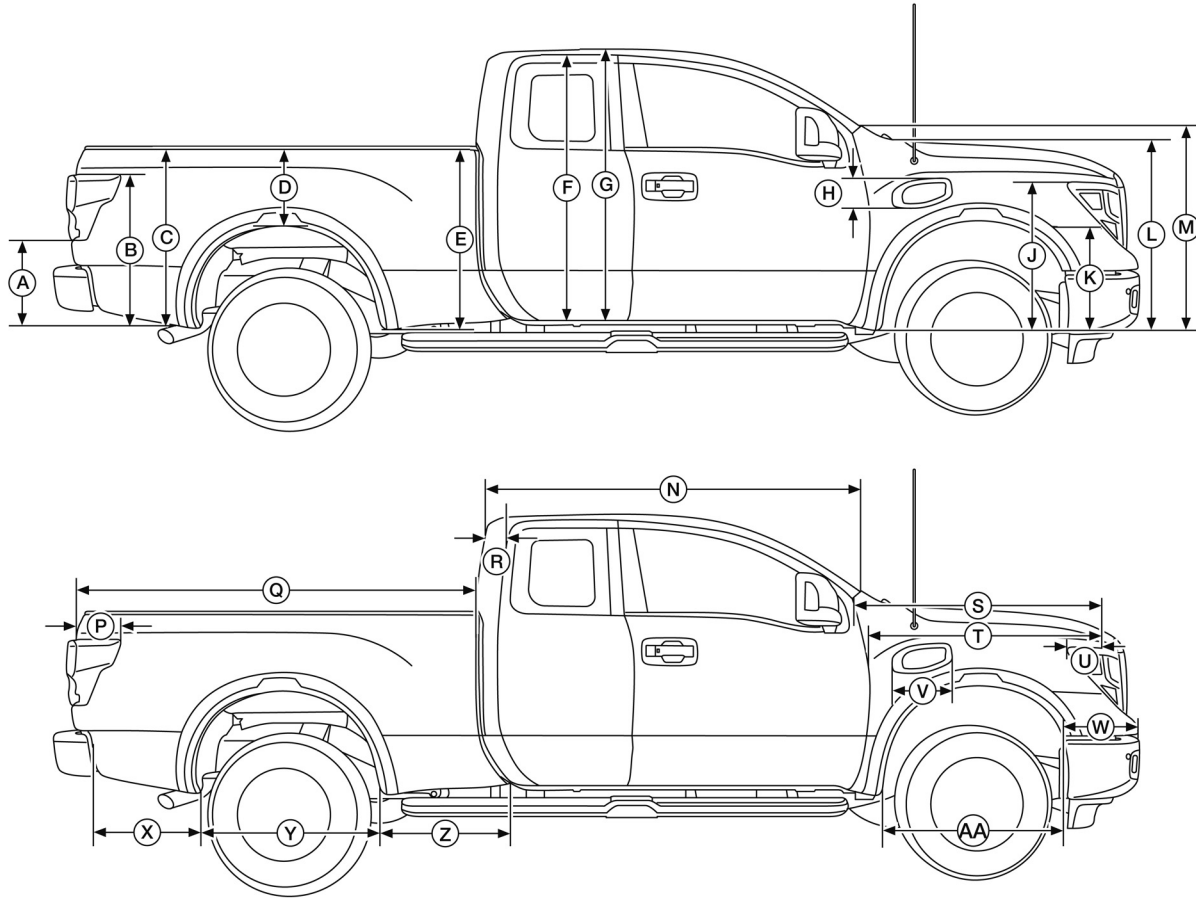
A. 346 mm (13.62 in)
 D. 113 mm (4.45 in)
 G. 139 mm (5.47 in)
 K. 1,636 mm (64.41 in)

B. 196 mm (7.72 in)
 E. 586 mm (23.07 in)
 H. 159 mm (6.26 in)

C. 72 mm (2.83 in)
 F. 738 mm (29.06 in)
 J. 290 mm (11.42 in)

SIGN AREA – KING CAB® (2017-2019 Model Years)

RH Exterior Dimensions



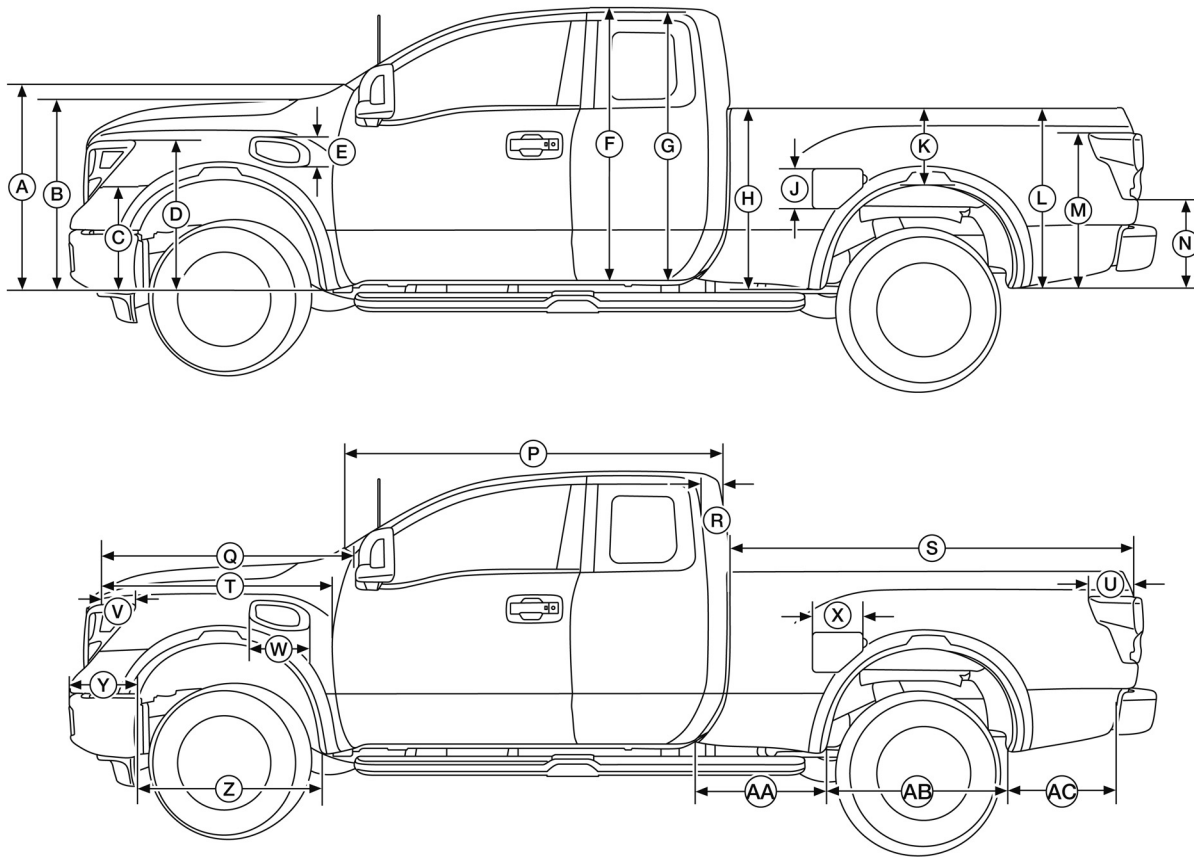
AAZIA0905ZZ

A. 457 mm (17.99 in)	B. 804 mm (31.65 in)	C. 933 mm (36.73 in)
D. 401 mm (15.79 in)	E. 959 mm (37.76 in)	F. 1,439 mm (56.65 in)
G. 1,468 mm (57.80 in)	H. 170 mm (6.69 in)	J. 799 mm (31.46 in)
K. 577 mm (22.72 in)	L. 1,024 mm (40.31 in)	M. 1,098 mm (43.23 in)
N. 1,950 mm (76.77 in)	P. 300 mm (11.81 in)	Q. 2,107 mm (82.95 in)
R. 142 mm (5.59 in)	S. 1,351 mm (53.19 in)	T. 1,291 mm (50.83 in)
U. 281 mm (11.06 in)	V. 326 mm (12.83 in)	W. 600 mm (23.62 in)
X. 597 mm (23.50 in)	Y. 973 mm (38.31 in)	Z. 641 mm (25.24 in)
AA. 1,123 mm (44.21 in)		

SIGN AREA – KING CAB® (2017-2019 Model Years)

[BODY DIMENSIONS]

LH Exterior Dimensions



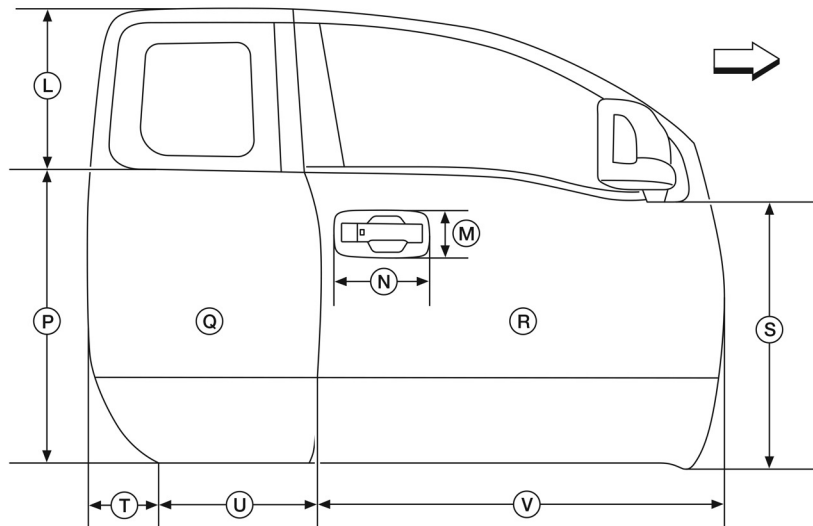
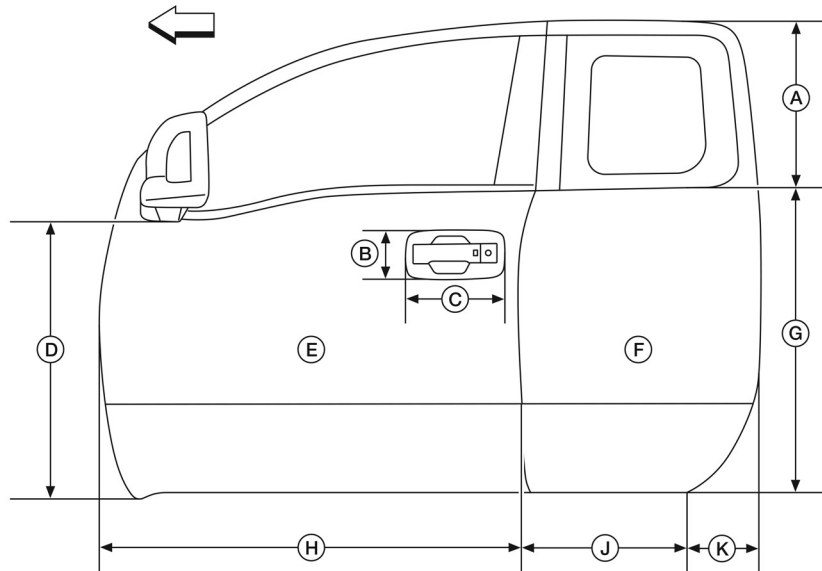
AAZIA0906ZZ

A. 1,098 mm (43.23 in)
 D. 799 mm (31.46 in)
 G. 1,439 mm (56.65 in)
 K. 401 mm (15.79 in)
 N. 457 mm (17.99 in)
 R. 142 mm (5.59 in)
 U. 300 mm (11.81 in)
 X. 254 mm (10.0 in)
 AA. 641 mm (25.24 in)

B. 1,024 mm (40.31 in)
 E. 170 mm (6.69 in)
 H. 959 mm (37.76 in)
 L. 933 mm (36.73 in)
 P. 1,950 mm (76.77 in)
 S. 2,107 mm (82.95 in)
 V. 281 mm (11.06 in)
 Y. 600 mm (23.62 in)
 AB. 973 mm (38.31 in)

C. 577 mm (22.72 in)
 F. 1,468 mm (57.80 in)
 J. 211 mm (8.31 in)
 M. 804 mm (31.65 in)
 Q. 1,351 mm (53.19 in)
 T. 1,291 mm (50.83 in)
 W. 326 mm (12.83 in)
 Z. 1,123 mm (44.21 in)
 AC. 597 mm (23.50 in)

Door Sign Area



AAZIA0908ZZ

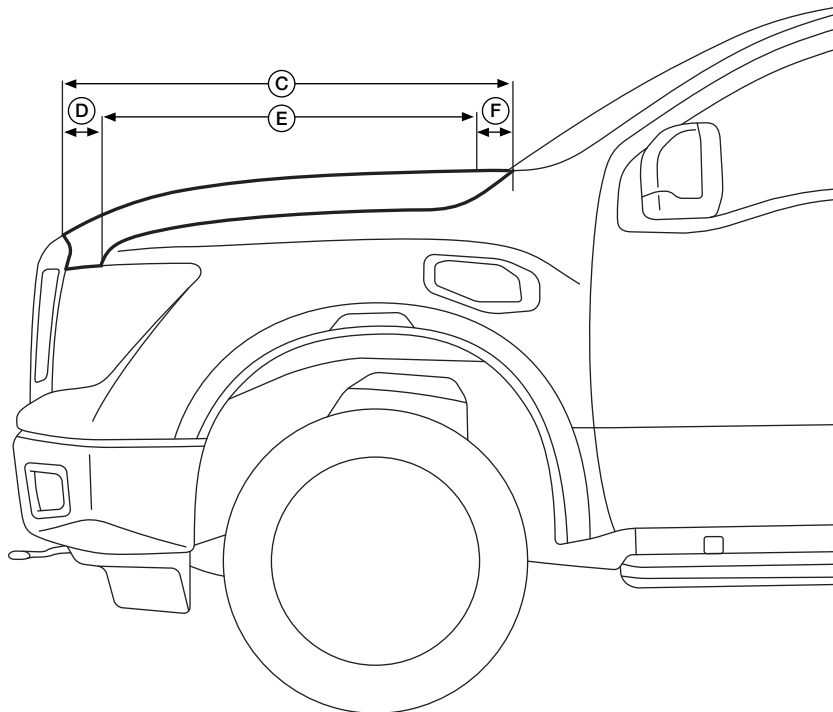
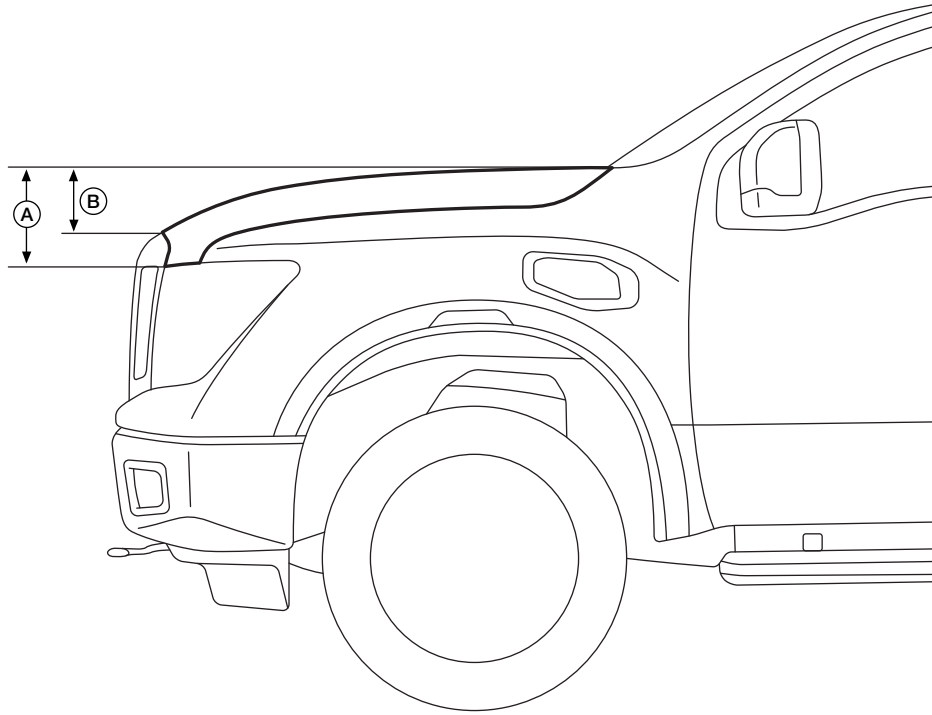
↖: Front of vehicle.

- A. 505 mm (19.88 in)
- D. 807 mm (31.77 in)
- G. 888 mm (34.96 in)
- K. 223 mm (8.78 in)
- N. 286 mm (11.26 in)
- R. 1.27 m² (13.67 ft²)
- U. 492 mm (19.37 in)

- B. 149 mm (5.87 in)
- E. 1.27 m² (13.67 ft²)
- H. 1,203 mm (47.36 in)
- L. 505 mm (19.88 in)
- P. 888 mm (34.96 in)
- S. 807 mm (31.77 in)
- V. 1,203 mm (47.36 in)

- C. 286 mm (11.26 in)
- F. 0.67 m² (7.21 ft²)
- J. 768 mm (30.24 in)
- M. 149 mm (5.87 in)
- Q. 0.67 m² (7.21 ft²)
- T. 223 mm (8.78 in)

Hood Surface Exterior Dimensions



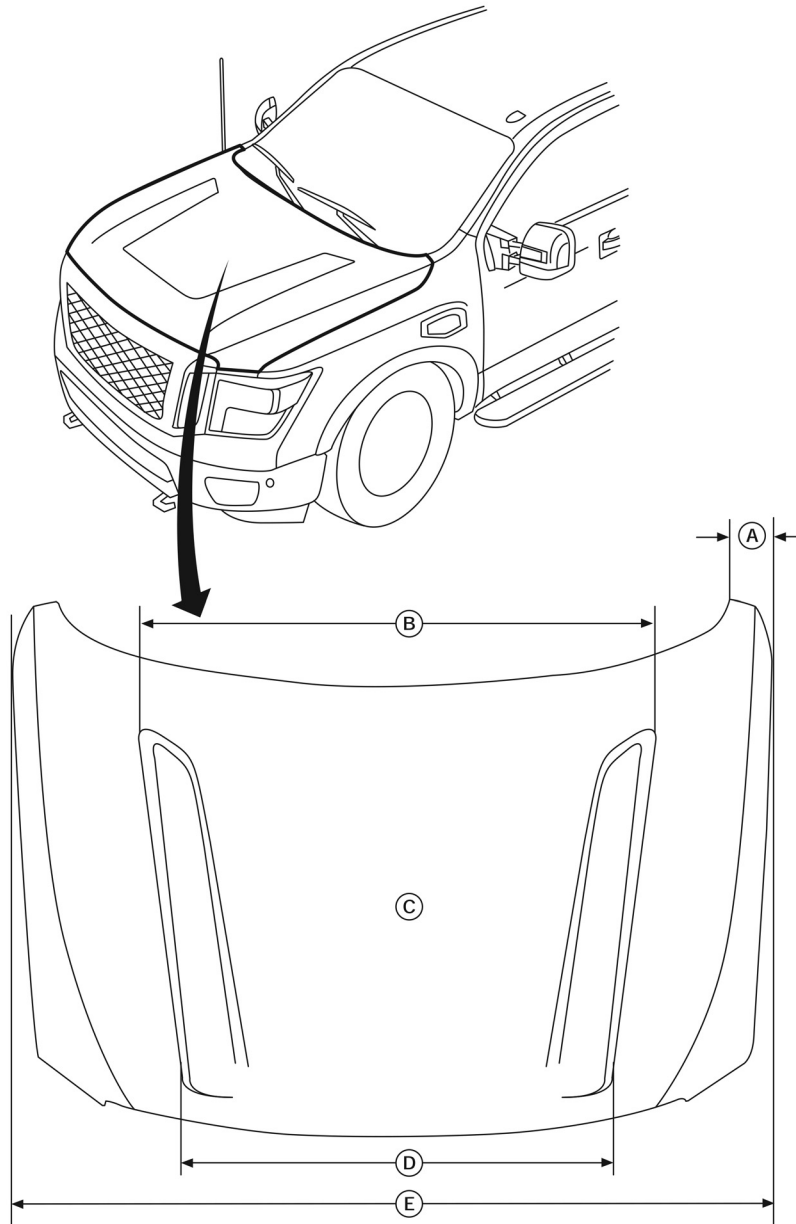
AAZIA0501ZZ

A. 230 mm (9.06 in)
D. 186 mm (7.32 in)

B. 161 mm (6.34 in)
E. 881 mm (34.68 in)

C. 1,265 mm (49.80 in)
F. 198 mm (7.8 in)

Hood Area



AAZIA0914ZZ

A. 100 mm (3.64 in)

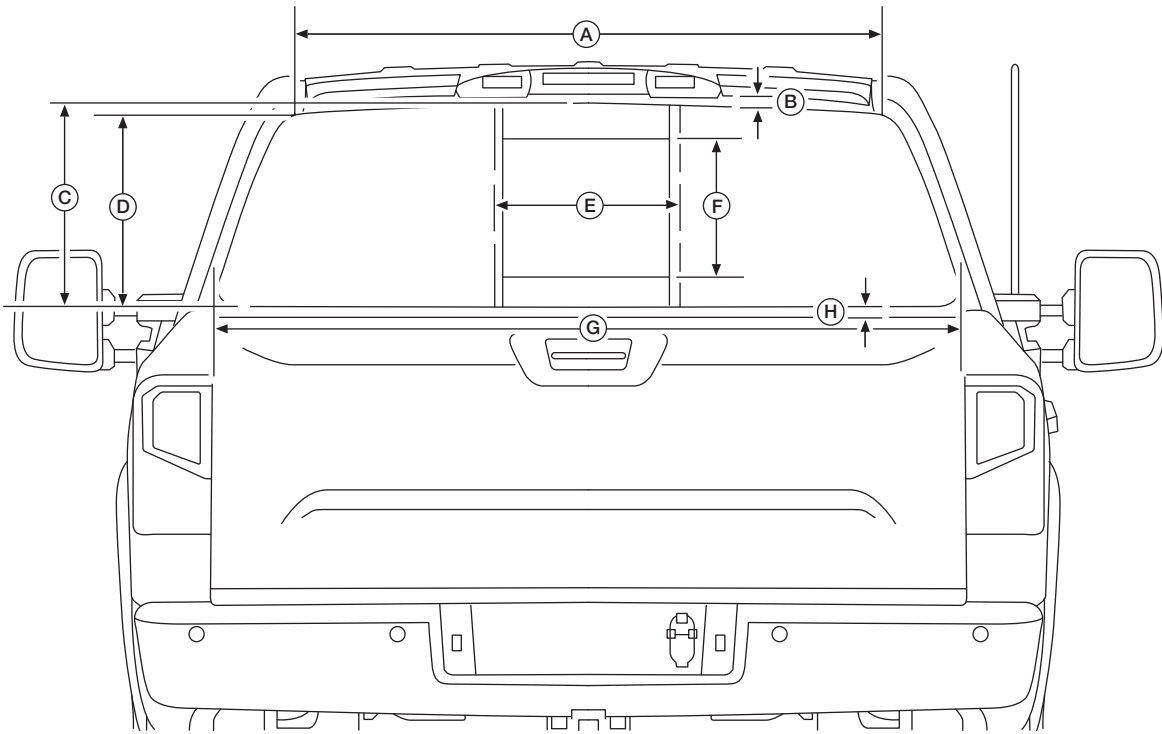
B. 1,212 mm (47.72 in)

C. Flat surface area: 1.98 m²
(3,069 in²)

D. 1,034 mm (40.71 in)

E. 1,780 mm (70.08 in)

Back Window Opening Sign Area



AAZIA0504ZZ

A. 1,323 mm (52.09 in)

D. 400 mm (15.75 in)

G. 1,603 mm (63.11 in)

B. 27 mm (1.06 in)

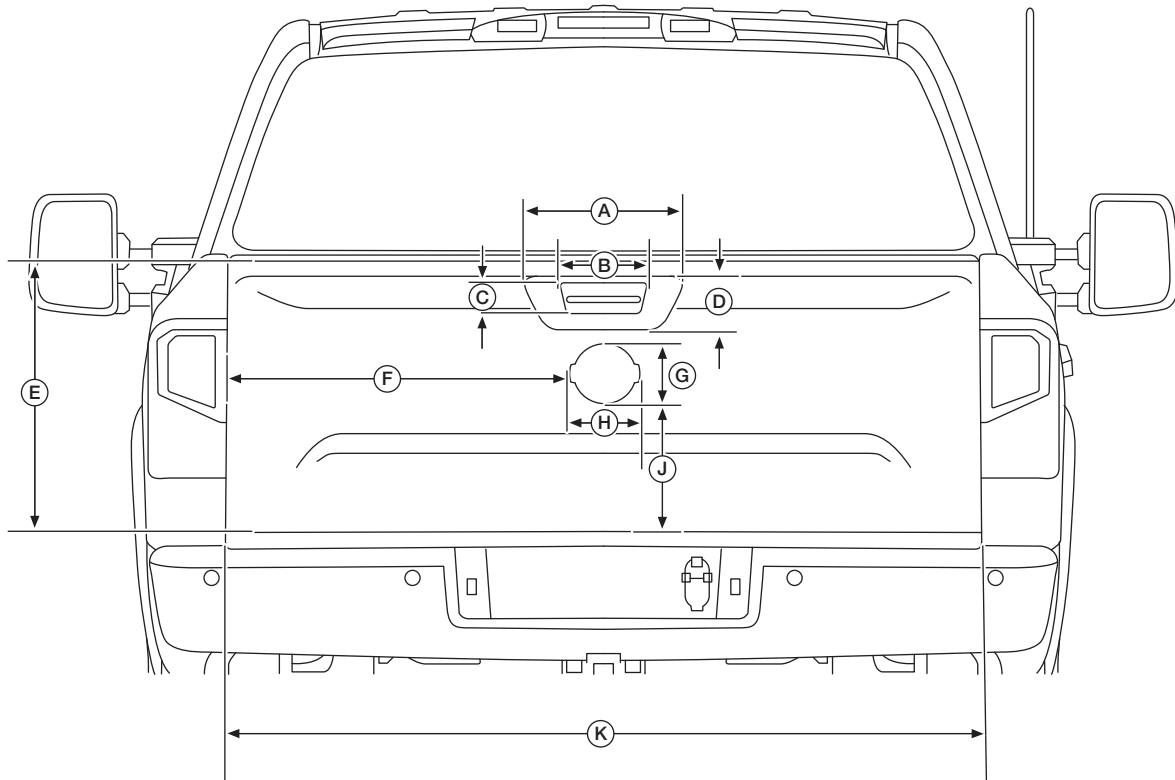
E. 358 mm (14.09 in)

H. 43 mm (1.69 in)

C. 430 mm (16.93 in)

F. 281 mm (11.06 in)

Tailgate Sign Area



AAZIA0503ZZ

A. 346 mm (13.62 in)

B. 196 mm (7.72 in)

C. 72 mm (2.83 in)

D. 113 mm (4.45 in)

E. 586 mm (23.07 in)

F. 738 mm (29.06 in)

G. 139 mm (5.47 in)

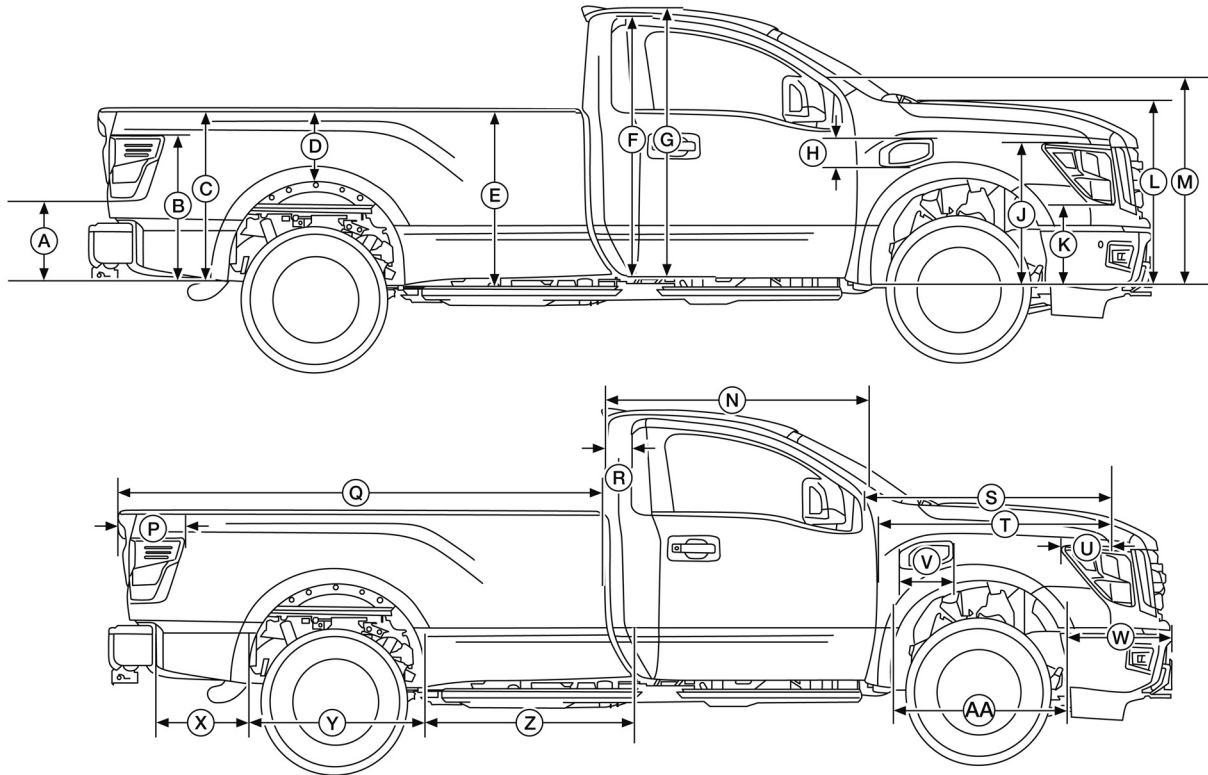
H. 159 mm (6.26 in)

J. 290 mm (11.42 in)

K. 1,636 mm (64.41 in)

SIGN AREA – SINGLE CAB (2017-2019 Model Years)

RH Exterior Dimensions



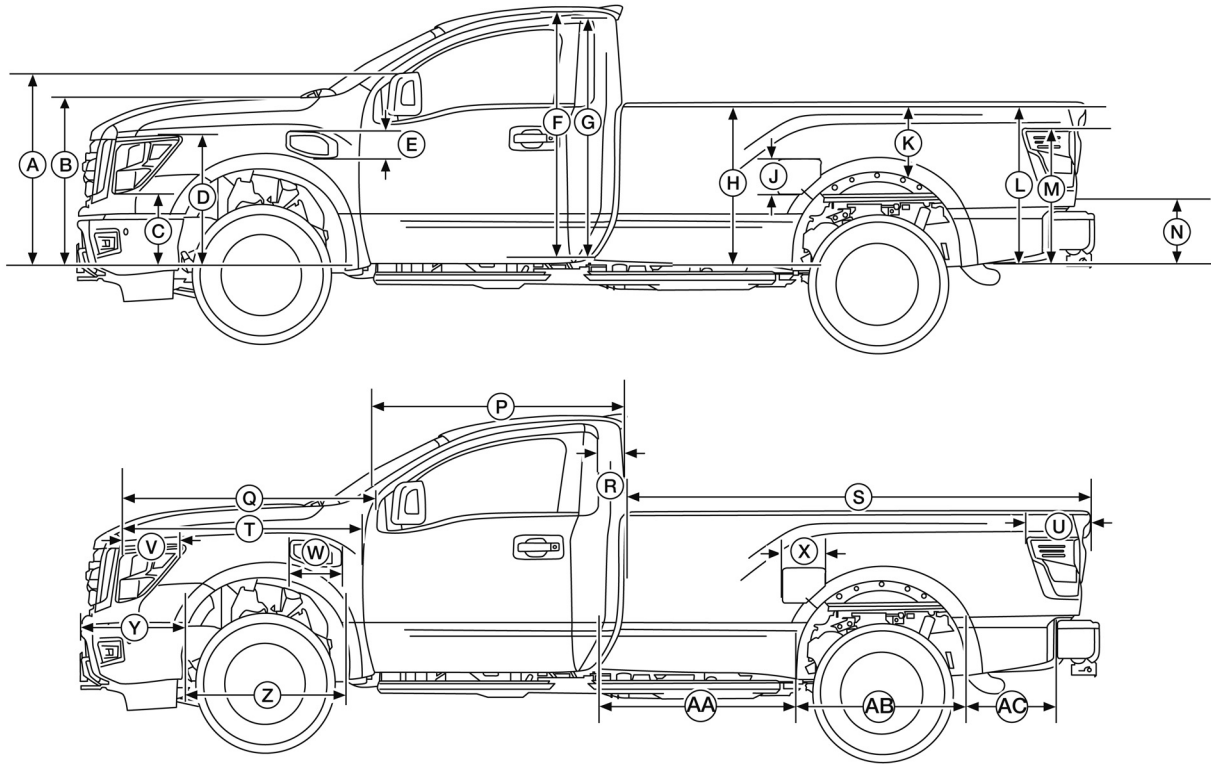
AAZIA0844ZZ

A. 457 mm (17.99 in)	B. 804 mm (31.65 in)	C. 933 mm (36.73 in)
D. 393.41 mm (15.49 in)	E. 959 mm (37.76 in)	F. 1,398.87 mm (55.07 in)
G. 1,459 mm (47.48 in)	H. 170 mm (6.69 in)	J. 799 mm (31.46 in)
K. 577 mm (22.72 in)	L. 1,023.86 mm (40.31 in)	M. 1,098 mm (43.23 in)
N. 1,485.24 mm (58.47 in)	P. 300 mm (11.81 in)	Q. 2,589 mm (101.94 in)
R. 254.99 mm (10.04 in)	S. 1,351 mm (53.19 in)	T. 1,291 mm (50.83 in)
U. 281 mm (11.06 in)	V. 326 mm (12.83 in)	W. 600 mm (23.62 in)
X. 498 mm (19.61 in)	Y. 973 mm (38.31 in)	Z. 1,176.18 mm (46.31 in)
AA. 1,123 mm (44.21 in)		

SIGN AREA – SINGLE CAB (2017-2019 Model Years)

[BODY DIMENSIONS]

LH Exterior Dimensions



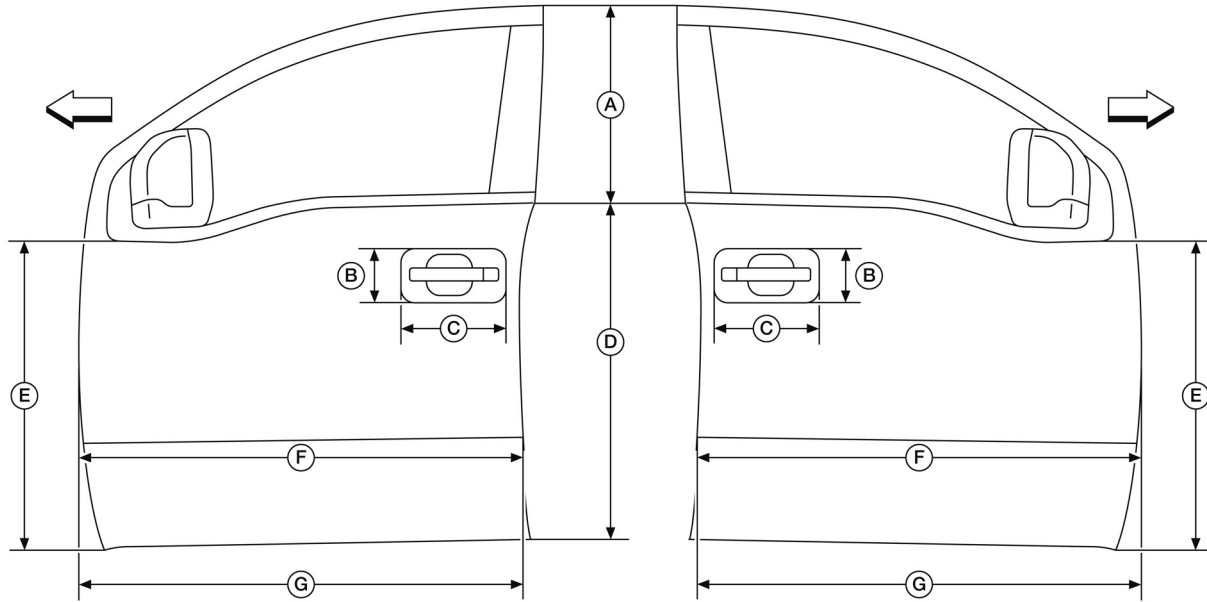
AAZIA0845ZZ

A. 1,098 mm (43.23 in)	B. 1,023.86 mm (40.31 in)	C. 577 mm (22.72 in)
D. 799 mm (31.46 in)	E. 170 mm (6.69 in)	F. 1,459.94 mm (57.48 in)
G. 1,398.87 mm (55.07 in)	H. 959 mm (37.76 in)	J. 211 mm (8.31 in)
K. 393.41 mm (15.49 in)	L. 933 mm (36.73 in)	M. 804 mm (31.65 in)
N. 457 mm (17.99 in)	P. 1,485.24 mm (58.47 in)	Q. 1,351 mm (53.19 in)
R. 254.99 mm (10.04 in)	S. 2,589.23 mm (101.94 in)	T. 1,291 mm (50.83 in)
U. 300 mm (11.81 in)	V. 281 mm (11.06 in)	W. 326 mm (12.83 in)
X. 254 mm (10.0 in)	Y. 600 mm (23.62 in)	Z. 1,123 mm (44.21 in)
AA. 1,176.18 mm (46.31 in)	AB. 973 mm (38.31 in)	AC. 498 mm (19.61 in)

SIGN AREA – SINGLE CAB (2017-2019 Model Years)

[BODY DIMENSIONS]

Door Sign Area



AAZIA0817ZZ

←: Front of vehicle.

A. 505 mm (19.88 in)

B. 149 mm (5.87 in)

C. 286 mm (11.26 in)

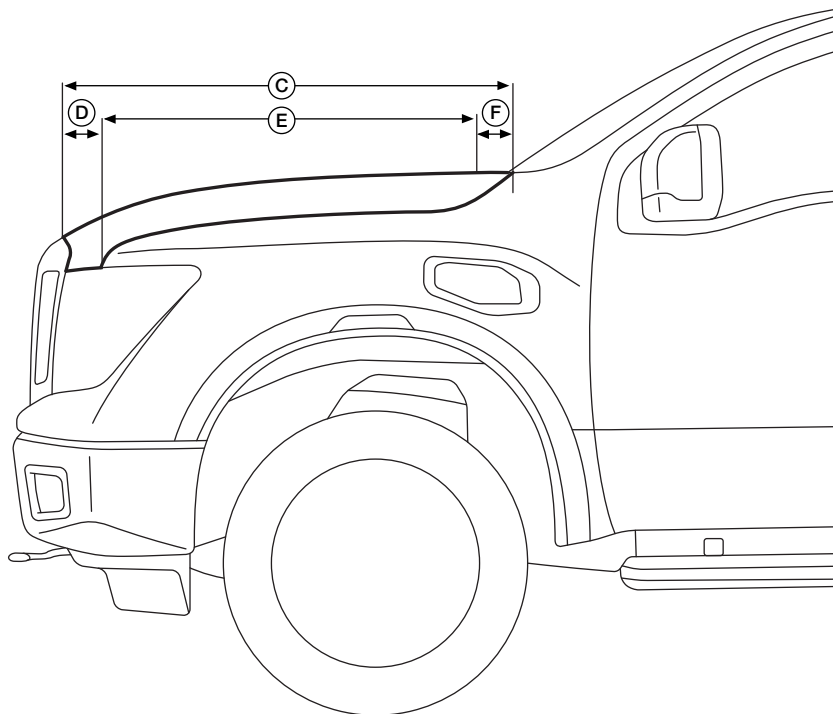
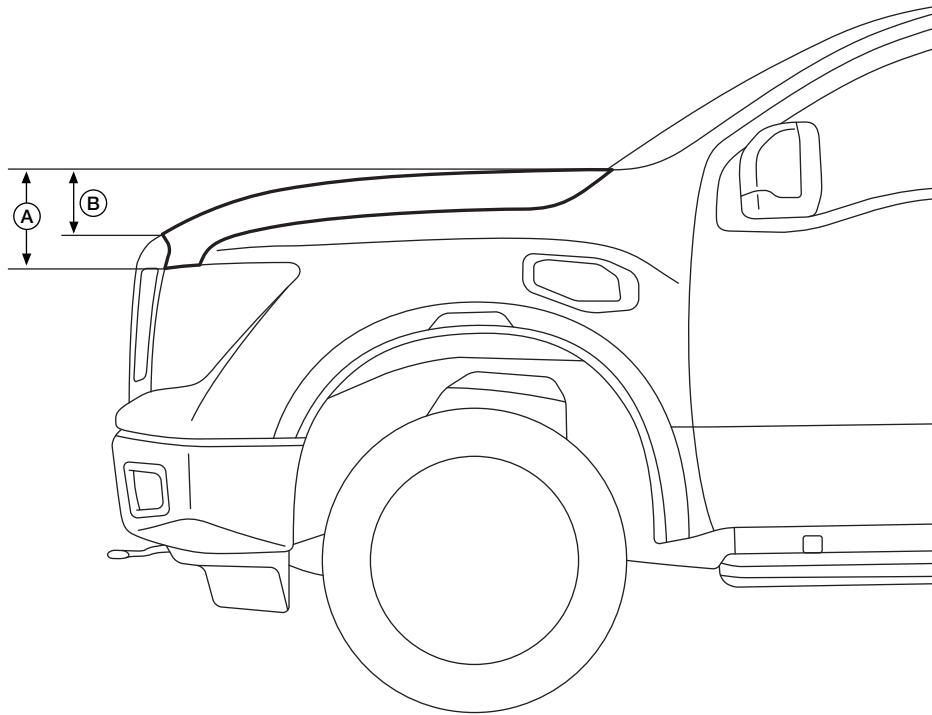
D. 888 mm (34.96 in)

E. 807 mm (31.77 in)

F. 1.27 m² (13.67 ft²)

G. 1,203 mm (47.36 in)

Hood Surface Exterior Dimensions



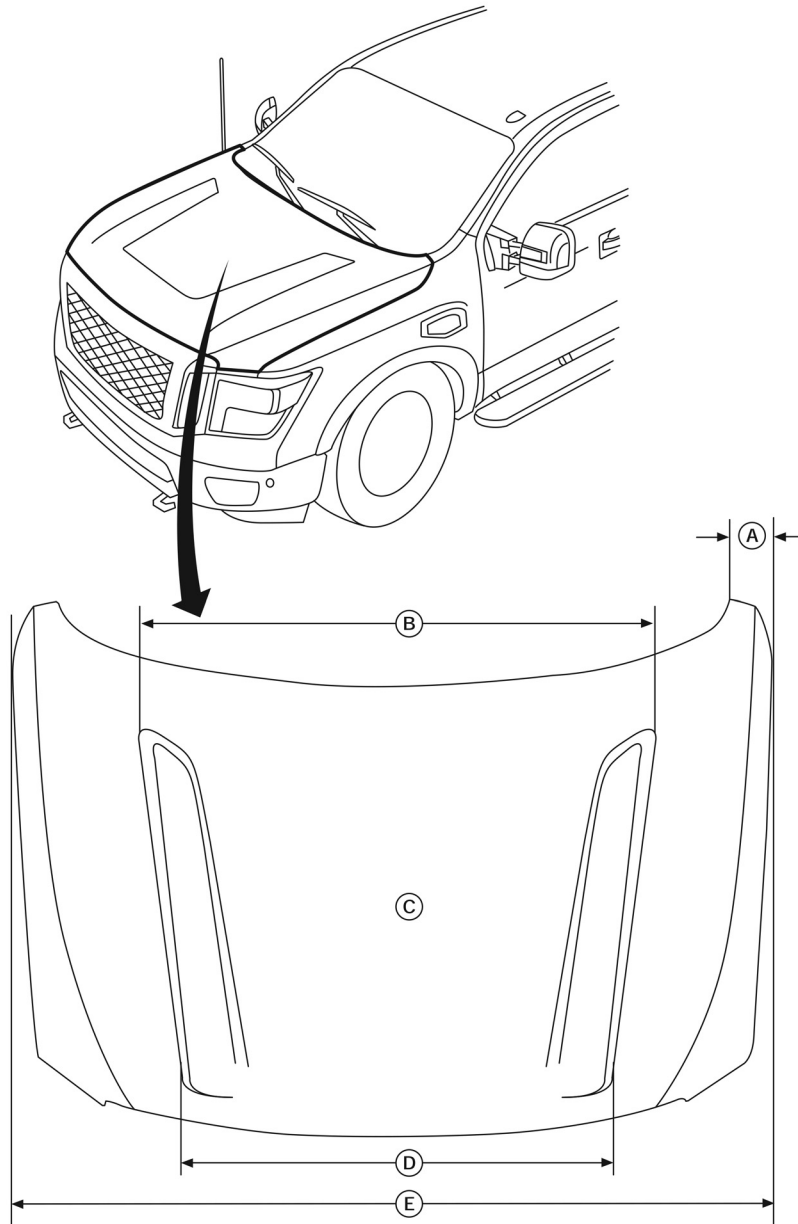
AAZIA0501ZZ

A. 230 mm (9.06 in)
D. 186 mm (7.32 in)

B. 161 mm (6.34 in)
E. 881 mm (34.68 in)

C. 1,265 mm (49.80 in)
F. 198 mm (7.8 in)

Hood Area



AAZIA0914ZZ

A. 100 mm (3.64 in)

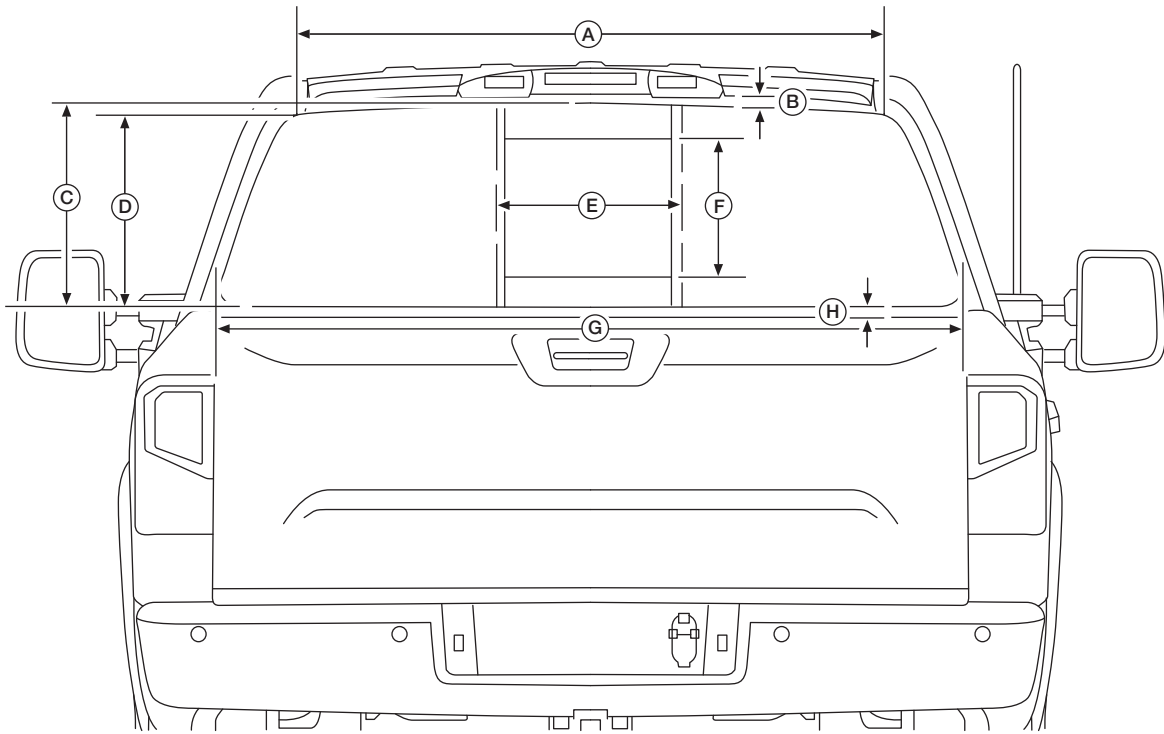
B. 1,212 mm (47.72 in)

C. Flat surface area: 1.98 m²
(3,069 in²)

D. 1,034 mm (40.71 in)

E. 1,780 mm (70.08 in)

Back Window Opening Sign Area



AAZIA0504ZZ

A. 1,323 mm (52.09 in)

D. 400 mm (15.75 in)

G. 1,603 mm (63.11 in)

B. 27 mm (1.06 in)

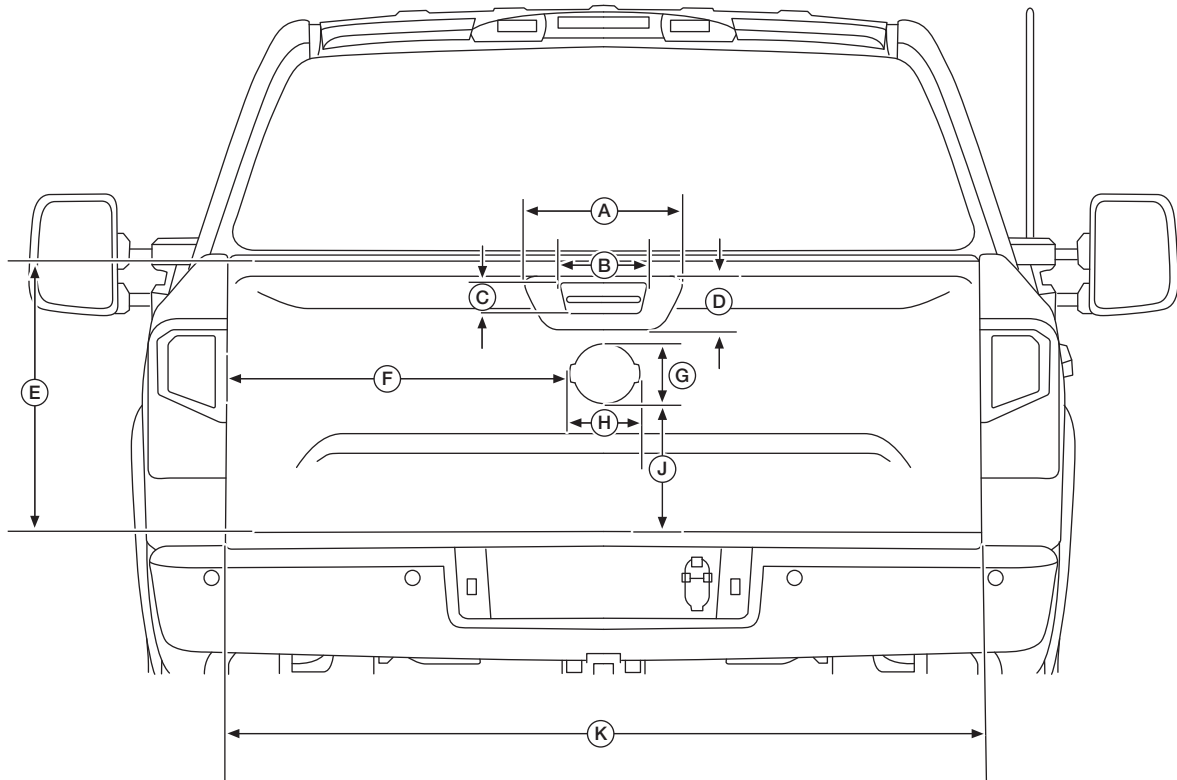
E. 358 mm (14.09 in)

H. 43 mm (1.69 in)

C. 430 mm (16.93 in)

F. 281 mm (11.06 in)

Tailgate Sign Area



AAZIA0503ZZ

A. 346 mm (13.62 in)
 D. 113 mm (4.45 in)
 G. 139 mm (5.47 in)
 K. 1,636 mm (64.41 in)

B. 196 mm (7.72 in)
 E. 586 mm (23.07 in)
 H. 159 mm (6.26 in)

C. 72 mm (2.83 in)
 F. 738 mm (29.06 in)
 J. 290 mm (11.42 in)

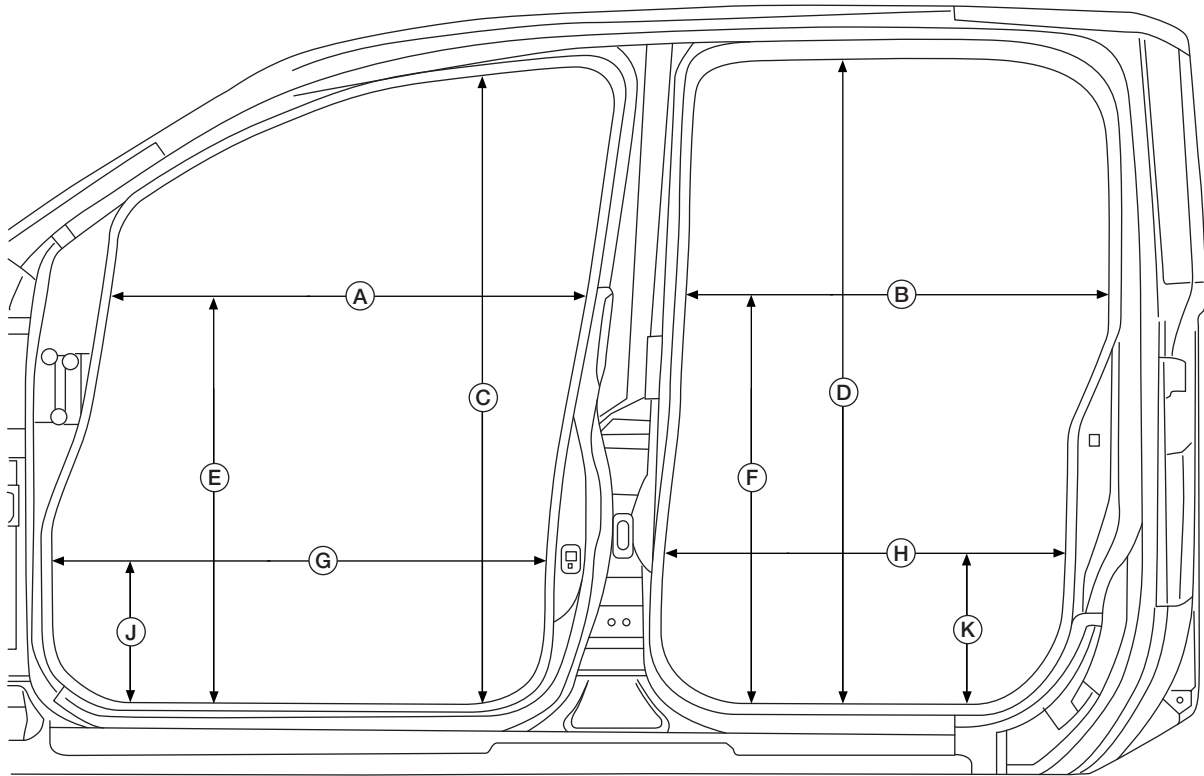
PLACARDS

To find information and regulations about the placards, refer to the following website:

www.fmcsa.dot.gov

EXTERIOR – CREW CAB

Door Opening Measurements



AAZIA0483ZZ

Without Door Seal and Interior Trim

- | | | |
|------------------------|----------------------|------------------------|
| A. 901 mm (35.47 in) | B. 806 mm (31.73 in) | C. 1,212 mm (47.72 in) |
| D. 1,245 mm (49.02 in) | E. 770 mm (30.31 in) | F. 765 mm (33.12 in) |
| G. 930 mm (36.61 in) | H. 763 mm (30.04 in) | J. 300 mm (11.81 in) |
| K. 200 mm (7.87 in) | | |

With Door Seal and Interior Trim

- | | | |
|------------------------|----------------------|------------------------|
| A. 894 mm (35.20 in) | B. 799 mm (31.46 in) | C. 1,202 mm (47.32 in) |
| D. 1,235 mm (48.62 in) | E. 770 mm (30.31 in) | F. 765 mm (33.12 in) |
| G. 924 mm (36.38 in) | H. 756 mm (29.76 in) | J. 300 mm (11.81 in) |
| K. 200 mm (7.87 in) | | |

Doors and Mirrors Dimensions

Overhead View

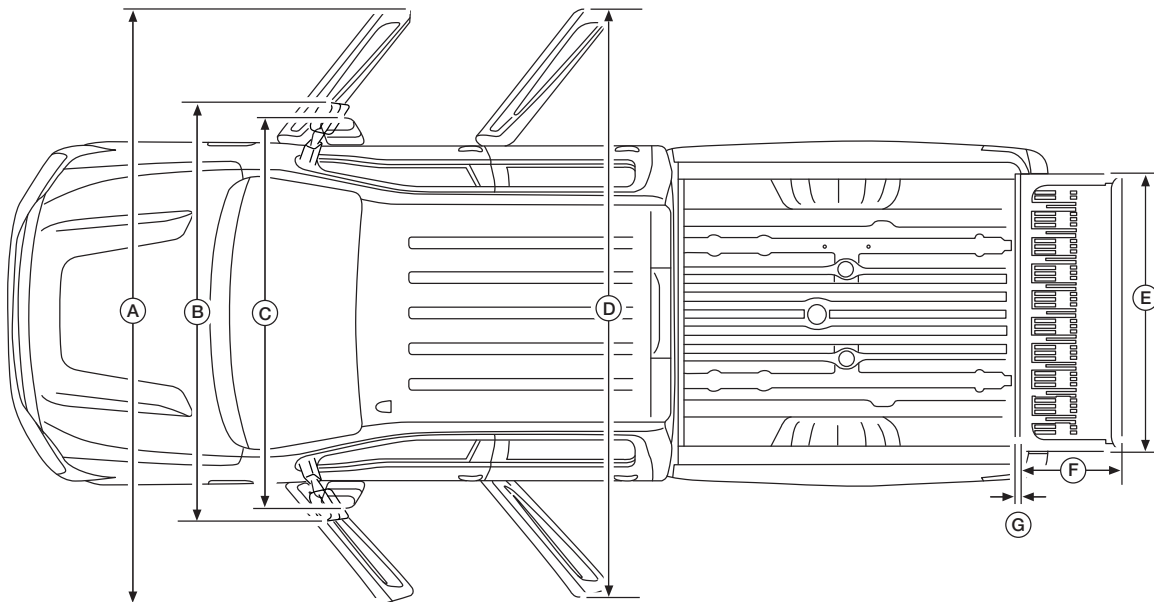
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0534ZZ

A. 4,004 mm (157.64 in)

B. With Tow Mirrors Extended:
2,607.19 mm (102.65 in)
With Tow Mirrors Non-Extended:
2,447.19 mm (96.35 in)
Without Tow Mirrors: 2,349.53 mm
(92.50 in)
With Base Mirrors: 2,349.53 mm
(92.50 in)

C. With Mirrors Folded: 2,147.7
mm (84.55 in)
With Tow Mirrors Folded: 2,182.1
mm (85.91 in)

D. 3,642 mm (143.39 in)

E. 1,636 mm (64.41 in)

F. 577 mm (22.72 in)

G. 32 mm (1.26 in)

Exterior Overall Dimensions (Diesel) (2016-2019 Model Years)

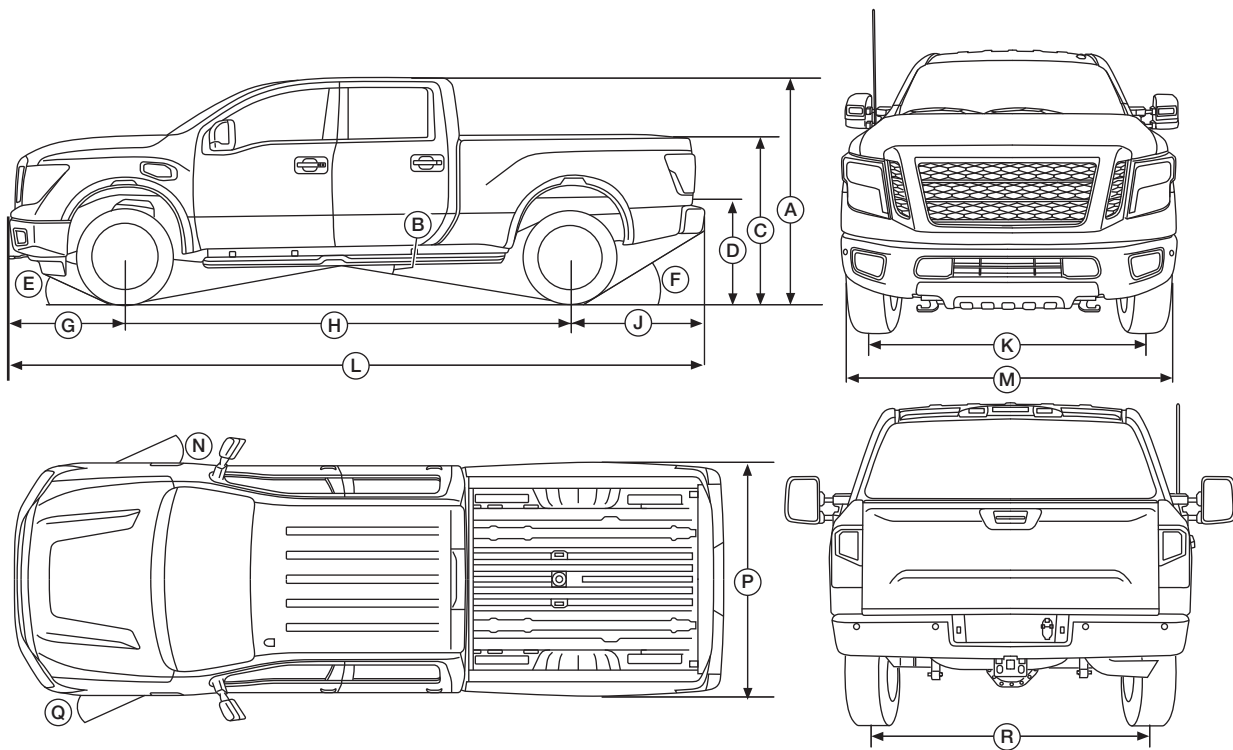
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0509ZZ

- A. S/SV (2WD) 1,981.2 mm (78 in)
- S/SV (4WD) 1,980.4 mm (78 in)
- Pro-4X 1,991.4 mm (78.4 in)
- SV Comfort and Convenience/SL (2WD) 2,002.4 mm (78.8 in)
- SV Comfort and Convenience/SL (4WD) 2,002 mm (78.8 in)
- Plat (2WD) 2,002.43 mm (78.8 in)
- Plat (4WD) 2,002.02 mm (78.8 in)

- B. Rampover Angle:
- S/SV (2WD) 19.55°
- S/SV (4WD) 19.49°
- Pro-4X 20.18°
- SL/Plat (2WD) 20.85°
- SL/Plat (4WD) 20.82°

C. 1,478 mm (58.19 in)

EXTERIOR – CREW CAB

[BODY DIMENSIONS]

D. 977 mm (38.46 in)

E. Approach Angle:
S/SV (2WD) 15.8°
S/SV (4WD) 15.6°
Pro-4X 21.0° (at front spoiler/
skid plate) 19.1°
(at front tow hooks)
SL/Plat (2WD) 17.7°
SL/Plat (4WD) 17.6°

F. Departure Angle :
S/SV (without hitch) 27.4°
S/SV (with hitch) 23.6°
Pro-4X (without hitch) 27.8°
Pro-4X (with hitch) 23.9°
SL/Plat (without hitch) 28.3°
SL/Plat (with hitch) 24.5°

G. Without License Plate Holder:
S/SV/SL/Plat 1,056.7 mm
(41.6 in)
Pro-4X 1,078.1 mm (42.4 in)

H. 3,850 mm (151.6 in)

J. 1,259.0 mm (49.6 in)

With License Plate Holder:

S/SV/SL/Plat 1,063.6 mm

(41.9 in)

Pro-4X 1,085.6 mm (42.7 in)

K. S/SV Base 1,738 mm (68.4 in)
SV Com/SL/Plat/Pro-4X 1,743 mm
(68.6 in)

L. Without License Plate Holder:
S/SV/SL/Plat 6,165.7 mm
(242.7 in)
Pro-4X 6,187.1 mm (243.6 in)

M. 2,014 mm (79.29 in)

With License Plate Holder:

S/SV/SL/Plat 6,172.6 mm

(243.0 in)

Pro-4X 6,194.6 mm (243.9 in)

N. 32°

P. S/SV/SL 2,019.9 mm (79.5 in)
Pro-4X/Plat 2,048.9 mm (80.7 in)

Q. 36°

R. S/SV Base 1,737 mm (68.4 in)
SV Com/SL/Plat/Pro-4X 1,742 mm
(68.6 in)

Exterior Overall Dimensions (Gasoline) (2016-2019 Model Years)

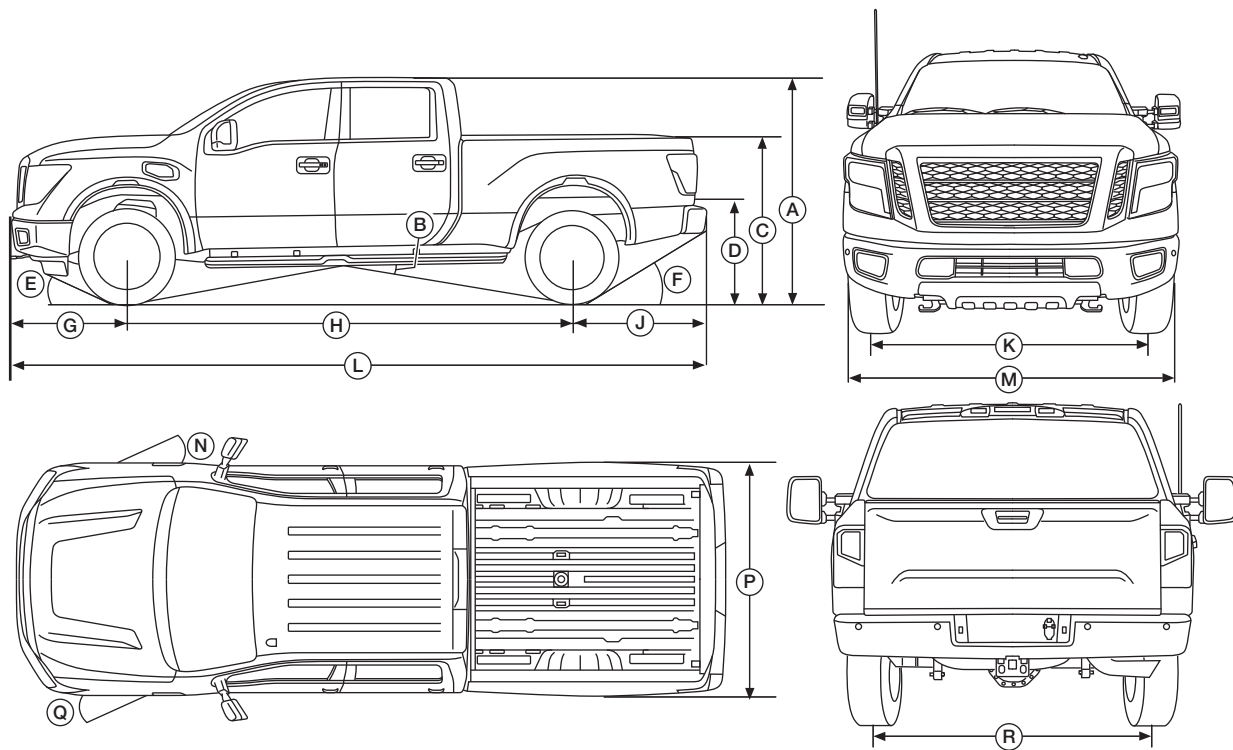
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0509ZZ

- A. S/SV (2WD) 1,982.4 mm (78.0 in)
- S/SV (4WD) 1,981.6 mm (78.0 in)
- Pro-4X 1,992.3 mm (78.4 in)
- SV Comfort and Convenience/SL (2WD) 2,003.7 mm (78.9 in)
- SV Comfort and Convenience/SL (4WD) 2,002.8 mm (78.9 in)
- Plat (2WD) 2,003.66 mm (78.9 in)
- Plat (4WD) 2,002.84 mm (78.9 in)

- B. Rampover Angle:
- S (2WD) 20.5°
- S/SV (4WD) 19.7°
- SV (2WD) 20.6°
- Pro-4X 21.7°
- SL/Plat (2WD) 18.7°
- SL/Plat (4WD) 21.7°

C. 1,478 mm (58.19 in)

D. 977 mm (38.46 in)

E. Approach Angle:
 S/SV (2WD) 16.1°
 S/SV (4WD) 15.9°
 Pro-4X 21.1° (at front spoiler/
 skid plate) 19.0°
 (at front tow hooks)
 SL/Plat (2WD) 18.0°
 SL/Plat (4WD) 17.8°

F. Departure Angle:
 S/SV (without hitch) 27.3°
 S/SV (with hitch) 23.5°
 Pro-4X (without hitch) 27.7°
 Pro-4X (with hitch) 23.9°
 SL/Plat (without hitch) 28.3°
 SL/Plat (2WD, with hitch)
 24.4°
 SL/Plat (4WD, with hitch)
 24.5°

G. Without License Plate Holder:
 S/SV/SL/Plat 1,056.7 mm
 (41.6 in)
 Pro-4X 1,078.1 mm (42.4 in)

H. 3,850 mm (151.6 in)

J. 1,259.0 mm (49.6 in)

With License Plate Holder:
 S/SV/SL/Plat 1,063.6 mm
 (41.9 in)
 Pro-4X 1,085.6 mm (42.7 in)

K. S/SV Base 1,738 mm (68.4 in)
 SV Com/SL/Plat/Pro-4X 1,743 mm
 (68.6 in)

L. Without License Plate Holder:
 S/SV/SL/Plat 6,165.7 mm
 (242.7 in)
 Pro-4X 6,187.1 mm (243.6 in)
 With License Plate Holder:
 S/SV/SL/Plat 6,172.6 mm
 (243.0 in)
 Pro-4X 6,194.6 mm (243.9 in)

M. 2,014 mm (79.29 in)

N. 32°

P. S/SV/SL 2,020.0 mm (79.5 in)
 Pro-4X/Plat 2,049.6 mm (80.7 in)

Q. 36°

R. S/SV Base 1,737 mm (68.4 in)
 SV Com/SL/Plat/Pro-4X 1,742 mm
 (68.6 in)

Exterior Overall Dimensions (Gasoline) (Starting with 2020 model year)

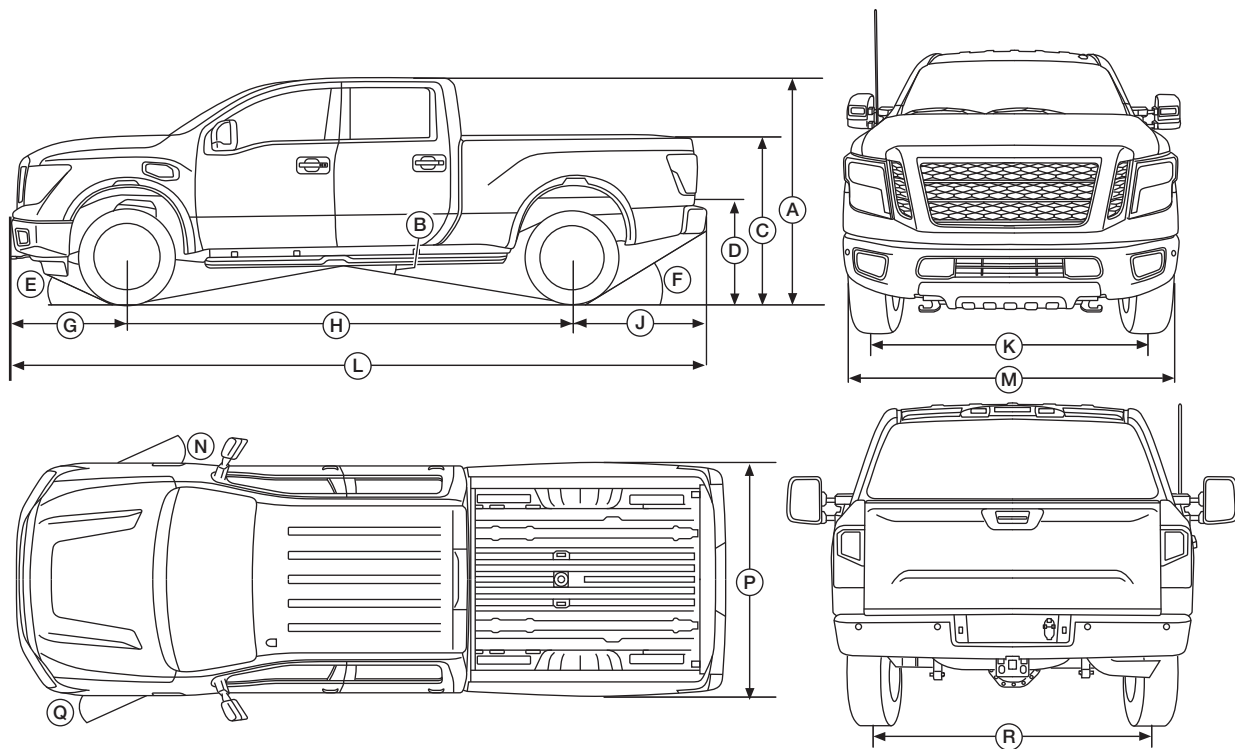
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0509ZZ

A. S/SV 1,982 mm (78.0 in)
 Pro-4X 1,992 mm (78.4 in)
 SL/Plat 2,003 mm (78.9 in)

B. Rampover Angle:
 S/SV (4WD) 19.65°
 Pro-4X 20.17°
 SL/Plat (4WD) 21.03°

C. S/SV 1,462 mm (57.6 in)
 Pro-4X 1,472 mm (58.0 in)
 SL/Plat 1,483 mm (58.4 in)

D. 977 mm (38.46 in)

E. Approach Angle:
 S/SV (4WD) 15.9°
 Pro-4X 21.1°
 SL/Plat (4WD) 17.8°

F. Departure Angle:
 S/SV (without hitch) 27.5°
 S/SV (with hitch) 23.5°
 Pro-4X (without hitch) 27.9°
 Pro-4X (with hitch) 23.9°
 SL/Plat (without hitch) 28.4°
 SL/Plat (4WD, with hitch) 24.5°

G. S/SV/SL/Plat 1,059 mm (41.7 in)
 Pro-4X 1,086 mm (42.7 in)

H. 3,850 mm (151.6 in)

J. 1,259 mm (49.6 in)

EXTERIOR – CREW CAB

[BODY DIMENSIONS]

K. S/SV Base 1,738 mm (68.4 in)
SV Com/SL/Plat/Pro-4X 1,743 mm
(68.6 in)

N. 32°

R. S/SV Base 1,737 mm (68.4 in)
SV Com/SL/Plat/Pro-4X 1,742 mm
(68.6 in)

L. S/SV/SL/Plat 6,182 mm
(243.4 in)

Pro-4X 6,209 mm (244.4 in)

P. S/SV/SL 2,018.5 mm (79.47 in)
Pro-4X/Plat 2,049.6 mm (80.69 in)

M. 2,014 mm (79.29 in)

Q. 36°

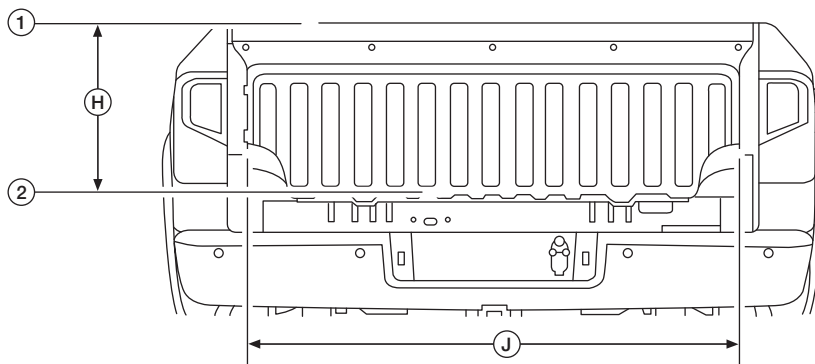
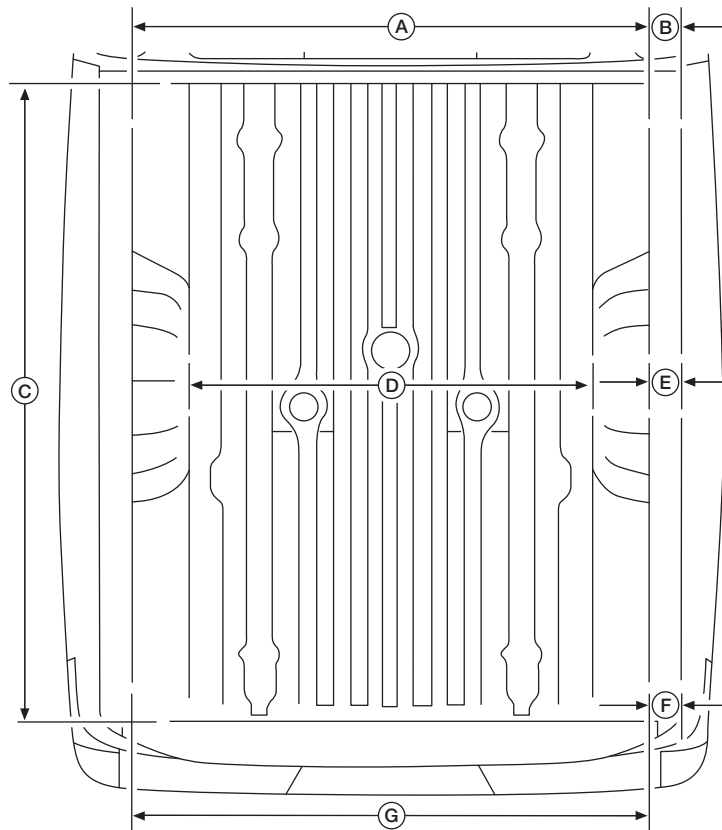
Bed Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0532ZZ

EXTERIOR – CREW CAB

[BODY DIMENSIONS]

1. Top of bed side cap	2. Top of bed floor ribs	A. Maximum cargo width at front of bed: 1,572 mm (61.89 in)
B. Width of bed side cap at front: 89 mm (3.5 in)	C. Maximum cargo length: 2,000 mm (78.7 in)	D. Maximum cargo width between wheel wells: 1,271 mm (50.0 in)
E. Width of bed side cap at center: 94 mm (3.7 in)	F. Width of bed side cap at rear: 89 mm (3.5 in)	G. Maximum cargo width at rear of bed: 1,620.0 mm (63.8 in)
H. Height of bed: 5279 mm (20.8 in)	J. Maximum cargo width tailgate opening: 1,525 mm (60.04 in)	

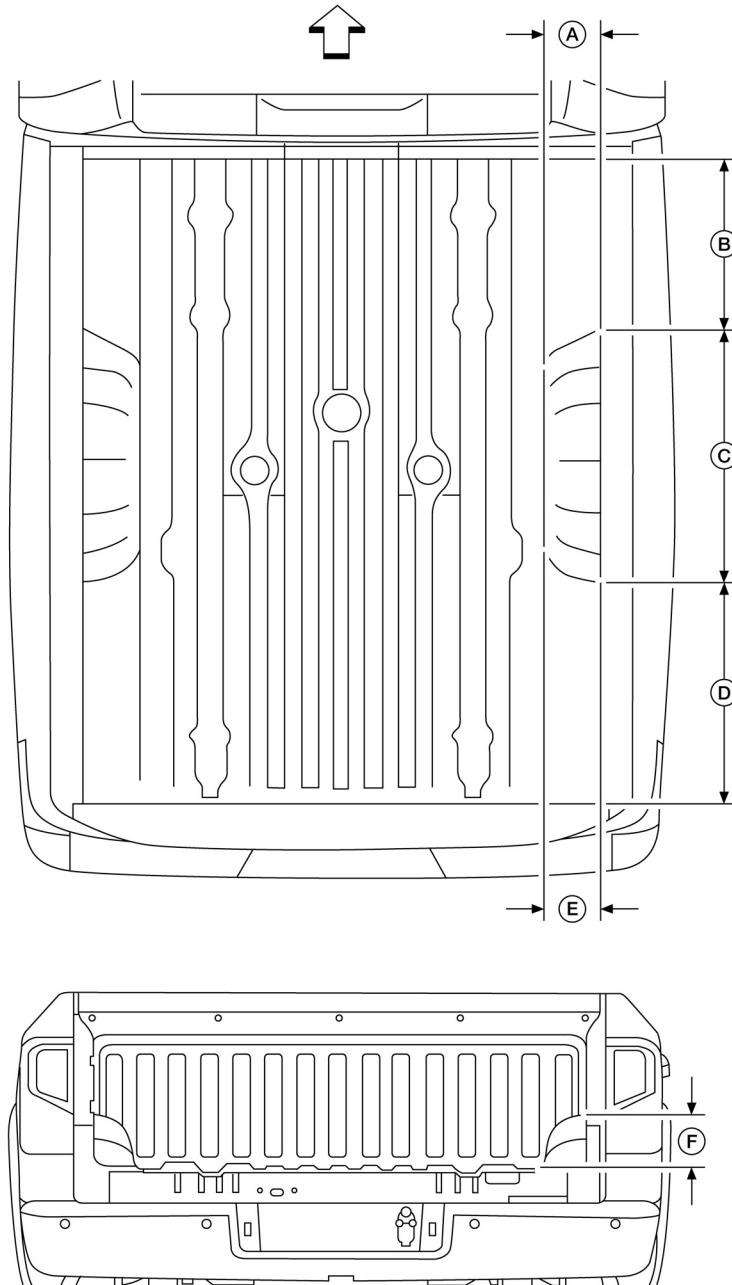
Wheel Well Clearance

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0540ZZ

↔: Front of vehicle.

A. 185 mm (7.28 in)

B. 550 mm (21.65 in)

C. 815 mm (32.09 in)

D. 620 mm (24.41 in)

E. 185 mm (7.28 in)

F. 220 mm (8.66 in)

Tie-Down Hooks

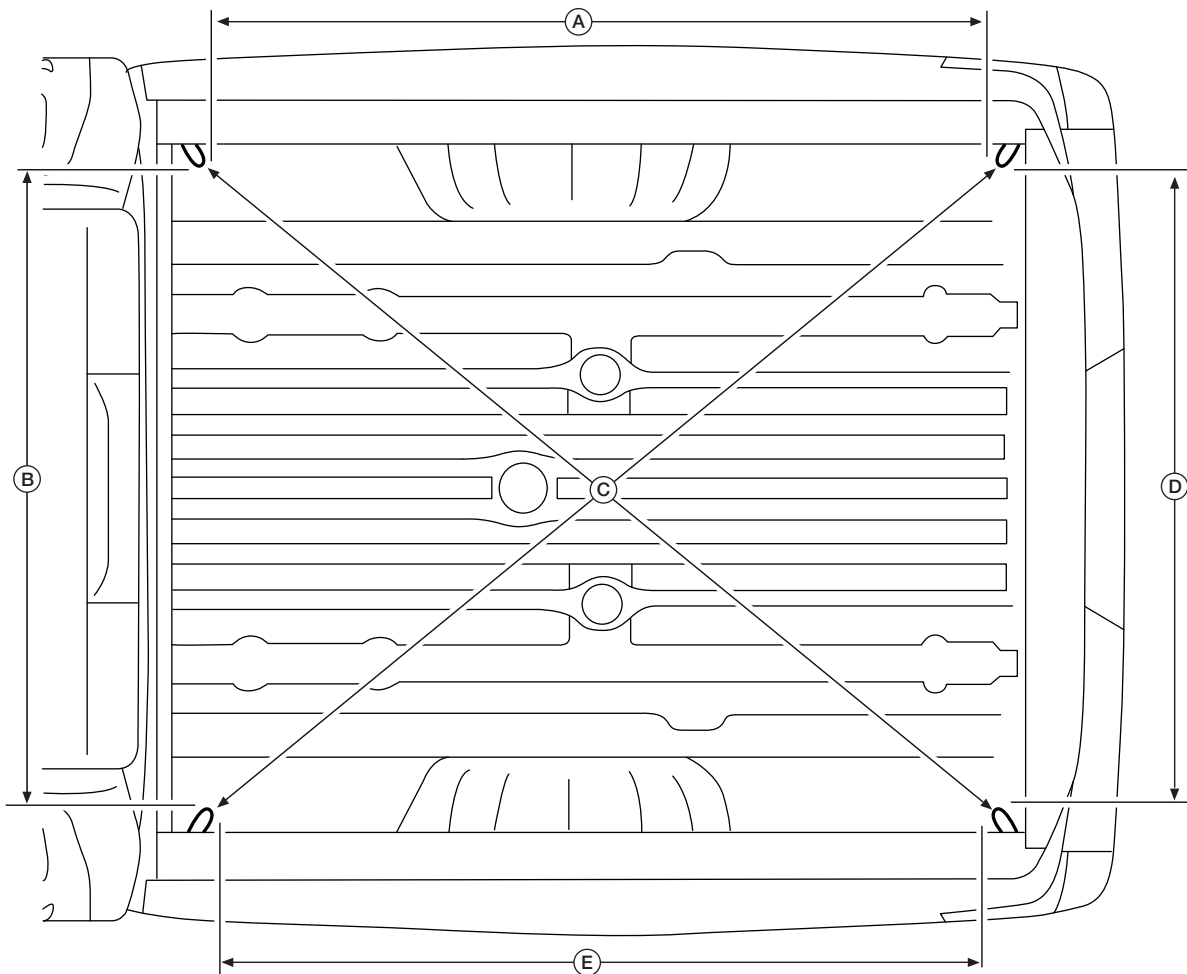
NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).

Overhead View



AAZIA0535ZZ



WARNING:

Do not exceed the maximum tie-down hook loading of 5,250 N (1,180.2 lbs.) per tie-down.

A. 1,737 mm (68.39 in)

B. 1,523 mm (59.96 in)

C. 2,318 mm (91.26 in)

D. 1,523 mm (59.96 in)

E. 1,737 mm (68.39 in)

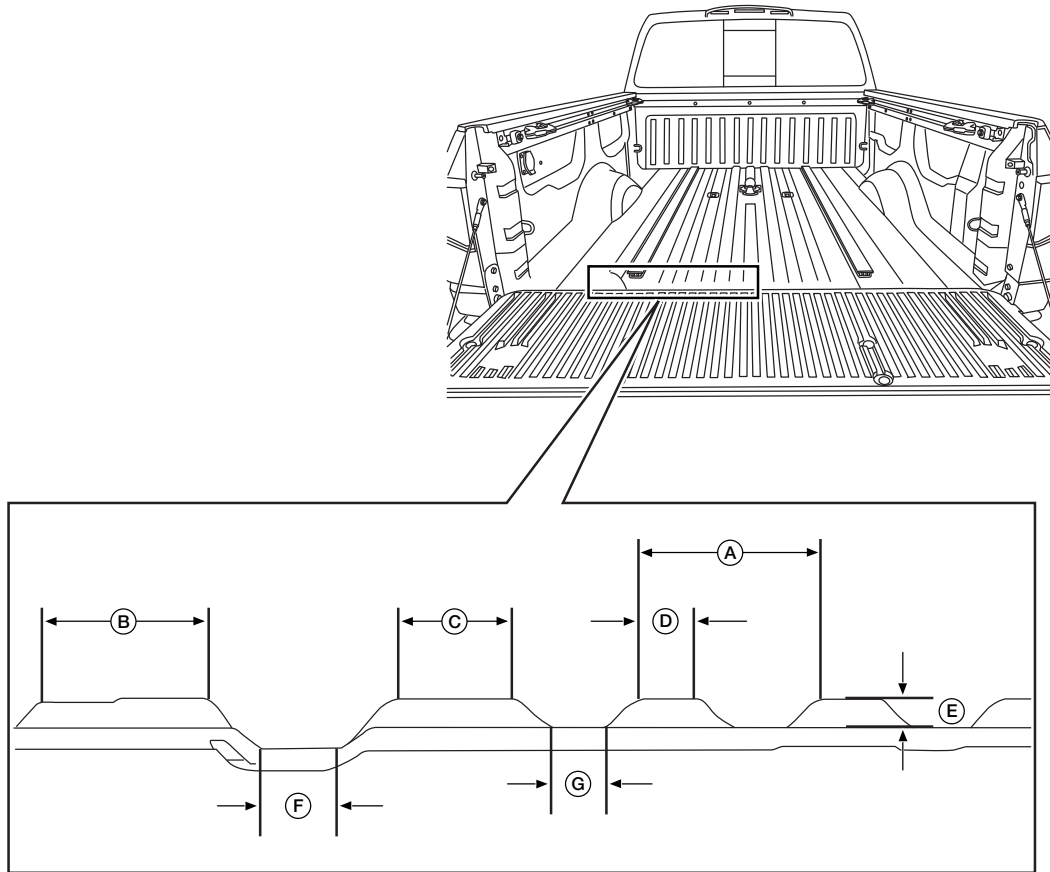
Bed Rib Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0505ZZ

A. 100 mm (3.94 in)

B. 50 mm (1.97 in)

C. 68 mm (2.68 in)

D. 35 mm (1.38 in)

E. 16 mm (0.63 in)

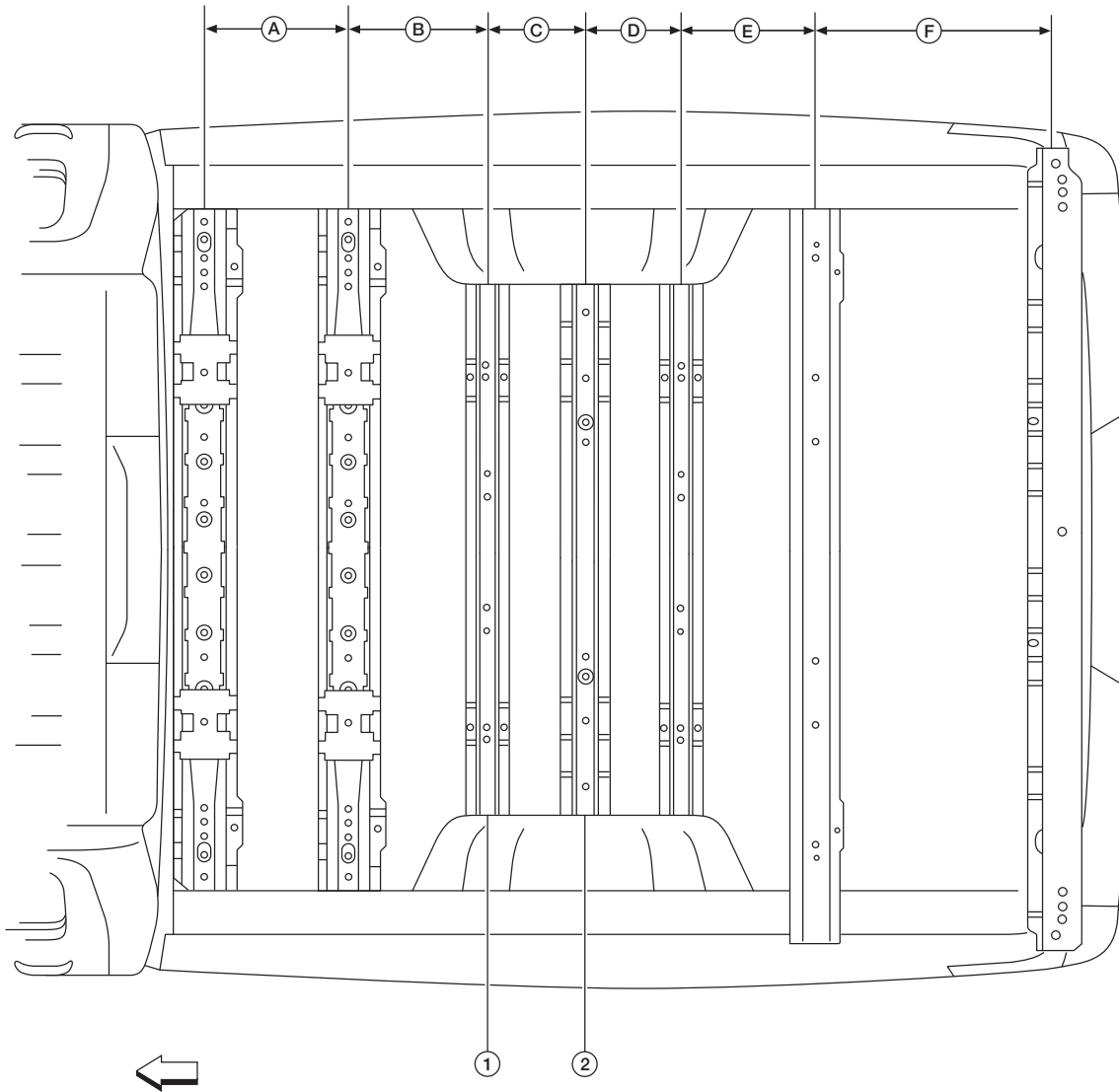
F. 45 mm (1.77 in)

G. 42 mm (1.65 in)

Bed Support Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.



AAZIA0541ZZ

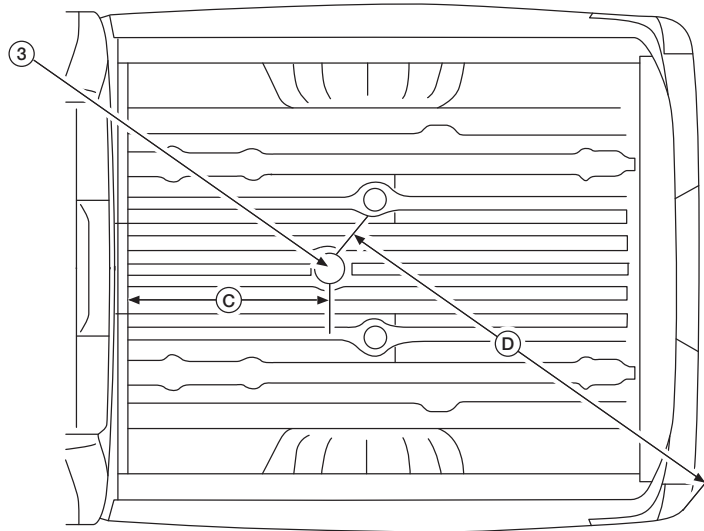
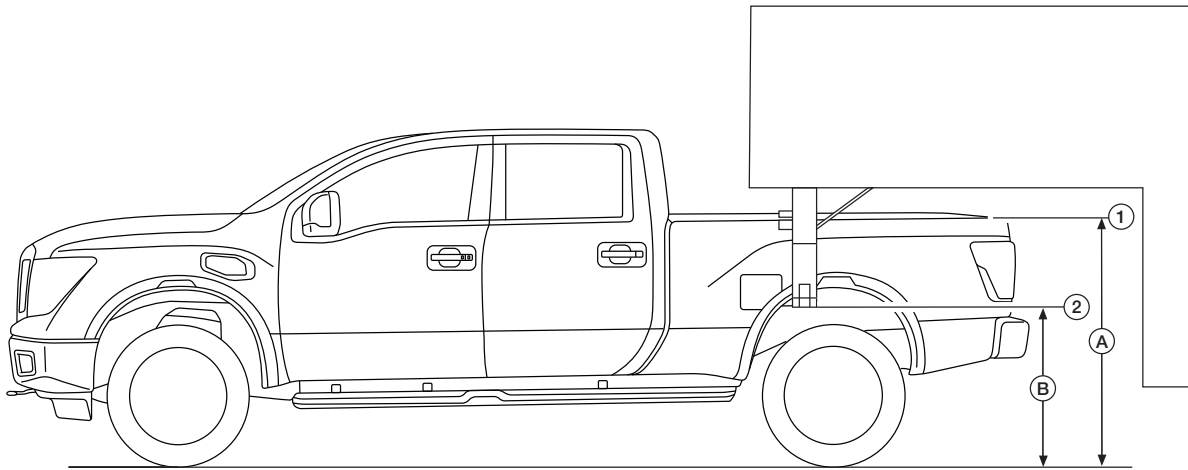
↖: Front of vehicle.

- 1. Used on gooseneck bed
- B. 313 mm (12.32 in)
- E. 286 mm (11.26 in)

- 2. Used on standard bed
- C. 217 mm (8.54 in)
- F. 530 mm (20.87 in)

- A. 300 mm (11.81 in)
- D. 213 mm (8.39 in)

Gooseneck Trailer Clearance



AAZIA0577ZZ

1. Top of bed

A. 1,478 mm (58.19 in)

D. 1,620 mm (63.78 in)

2. Bed load floor

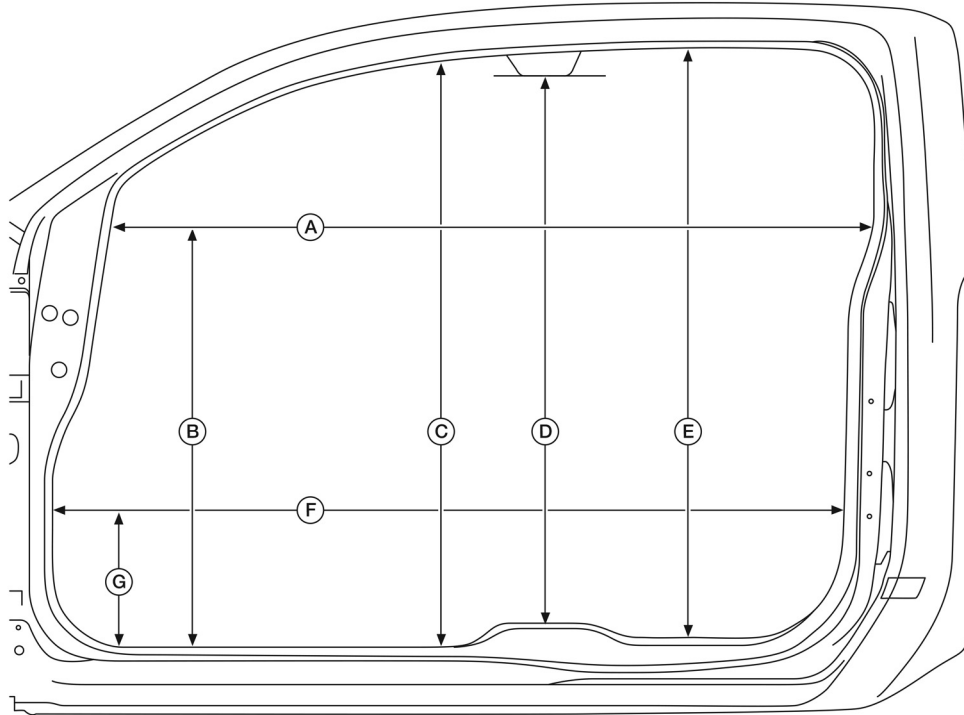
B. 977 mm (38.46 in)

3. 2-5/16" hitch ball

C. 805 mm (31.69 in)

EXTERIOR – KING CAB® (2017-2019 Model Years)

Door Opening Measurements



AAZIA0909ZZ

Without Door Seal and Interior Trim

- | | | |
|------------------------|------------------------|------------------------|
| A. 1,568 mm (61.73 in) | B. 770 mm (30.31 in) | C. 1,212 mm (47.72 in) |
| D. 1,128 mm (44.41 in) | E. 1,222 mm (48.11 in) | F. 1,632 mm (64.25 in) |
| G. 300 mm (11.81 in) | | |

With Door Seal and Interior Trim

- | | | |
|------------------------|------------------------|------------------------|
| A. 1,566 mm (61.65 in) | B. 770 mm (30.31 in) | C. 1,202 mm (47.32 in) |
| D. 1,128 mm (44.41 in) | E. 1,212 mm (47.72 in) | F. 1,630 mm (64.17 in) |
| G. 300 mm (11.81 in) | | |

Doors and Mirrors Dimensions

Overhead View

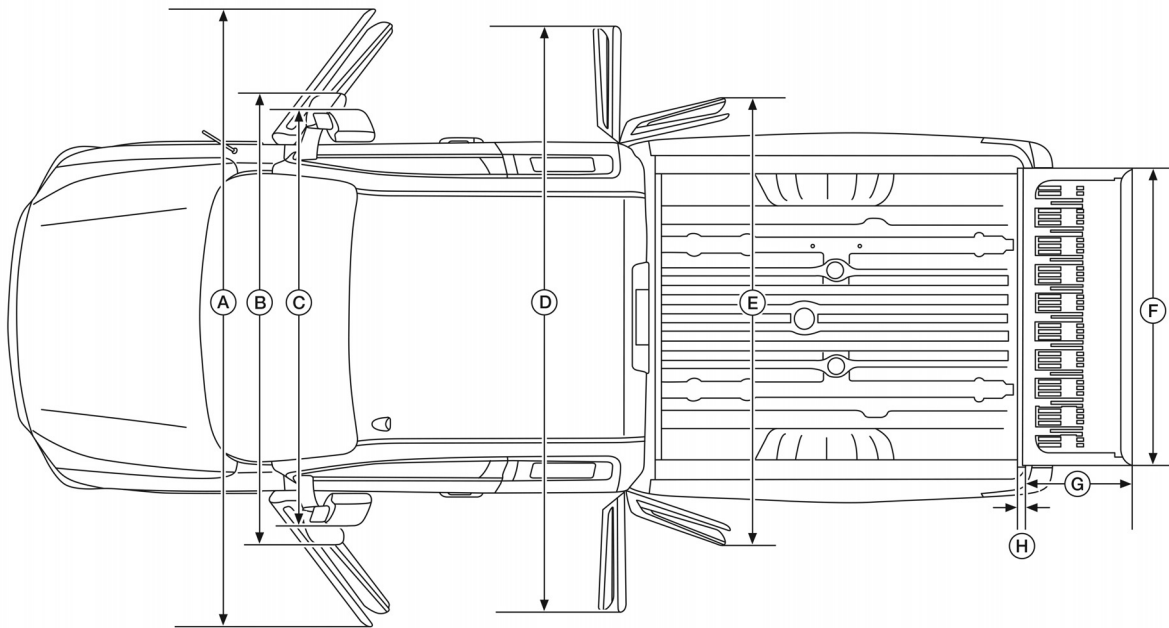
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0910ZZ

A. 3,985 mm (156.89 in)

B. With Tow Mirrors Extended:
2,645 mm (104.13 in)
With Tow Mirrors Non-Extended:
2,496 mm (98.27 in)
Without Tow Mirrors: 2,349.53 mm
(92.50 in)
With Base Mirrors: 2,349.53 mm
(92.50 in)

C. With Mirrors Folded: 2,128 mm (83.78 in)
With Tow Mirrors Folded: 2,182.1 mm (85.91 in)

D. 3,690 mm (145.28 in)

E. 2,920 mm (114.96 in)

F. 1,636 mm (64.41 in)

G. Without trim: 588 mm (23.15 in)

H. 32 mm (1.26 in)

With trim: 600 mm (23.62 in)

Exterior Overall Dimensions (Diesel)

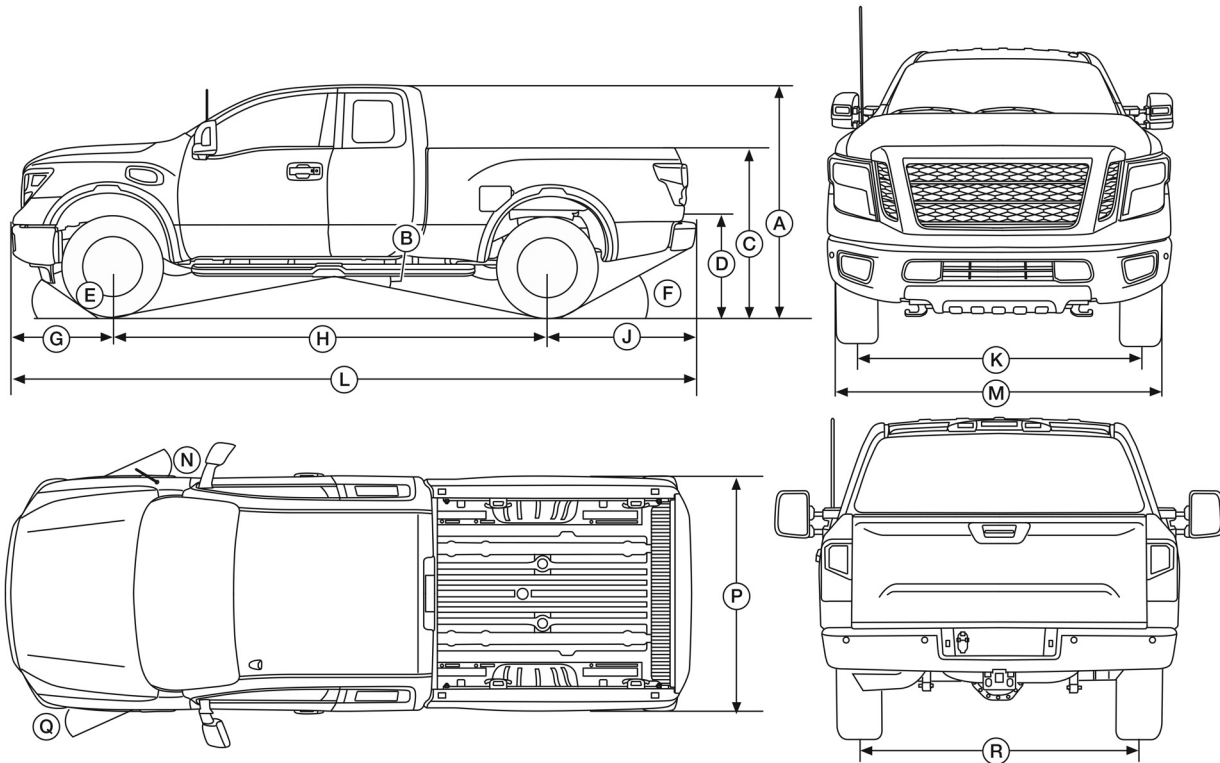
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0911ZZ

A. S/SV (2WD) 1,974.3 mm (77.73 in)

S/SV (4WD) 1,973.4 mm (77.69 in)
Pro-4X: 1,983.5 mm (78.09 in)

D. 908 mm (35.75 in)

G. S/SV: 1,057 mm (41.61 in)
Pro-4X: 1,078.1 mm (42.4 in)

K. S/SV: 1,738 mm (68.4 in)
Pro-4X: 1,743 mm (68.6 in)

B. Rampover Angle:

S/SV (2WD) 21.4°
S/SV (4WD) 21.3°
Pro-4X: 21.2°

E. Approach Angle:

S/SV (2WD) 15.8°
S/SV (4WD) 15.6°
Pro-4X 20.9° (at front spoiler/
skid plate) 19.1°
(at front tow hooks)

H. 3,550 mm (139.8 in)

L. S/SV: 5,866.5 mm (231.0 in)
Pro-4X: 5,887.9 mm (231.81 in)

C. 1,455 mm (57.28 in) with trim
1,447 mm (56.97 in) without trim

F. Departure Angle :

S/SV (without hitch) 27.5°
S/SV (with hitch) 23.7°
Pro-4X (without hitch) 27.8°
Pro-4X (with hitch) 24°

J. 1,259.0 mm (49.6 in)

M. S/SV: 2,020.0 mm (79.53 in)
Pro-4X: 2,049.6 mm (80.69 in)

EXTERIOR – KING CAB® (2017-2019 Model Years)

[BODY DIMENSIONS]

N. 32.08°

P. S/SV: 2,019.9 mm (79.5 in)
Pro-4X: 1,980 mm (77.95 in)

Q. 2WD: 36.42°
4WD: 36.25°

R. S/SV: 1,737 mm (68.4 in)
Pro-4X: 1,742 mm (68.6 in)

Exterior Overall Dimensions (Gasoline)

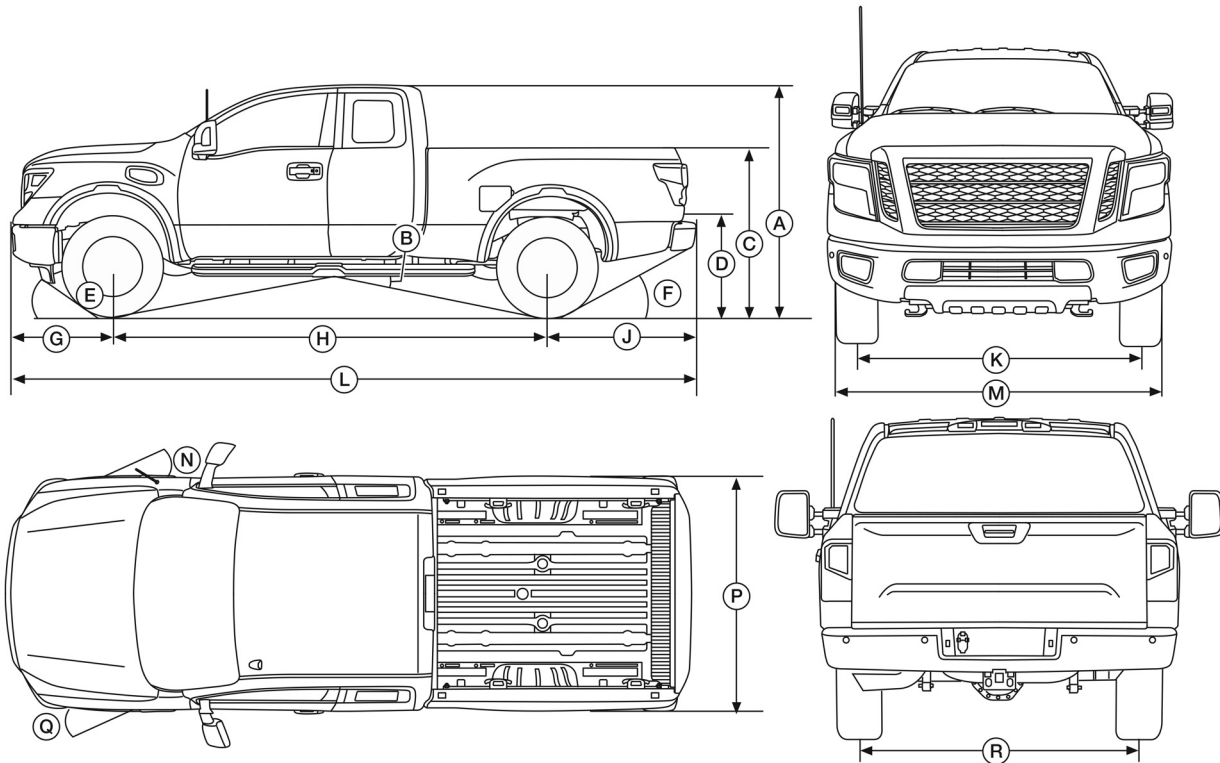
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0911ZZ

A. S/SV (2WD) 1,974.3 mm
(77.73 in)

S/SV (4WD) 1,973.4 mm (77.69 in)
Pro-4X: 1,983.5 mm (79.09 in)

D. 977 mm (38.46 in)

G. S/SV: 1,057 mm (41.61 in)
Pro-4X: 1,078.1 mm (42.4 in)

K. S/SV: 1,738 mm (68.4 in)
Pro-4X: 1,743 mm (68.6 in)

B. Rampover Angle:
S/SV (2WD) 21.5°
S/SV (4WD) 21.5°
Pro-4X: 21.4°

E. Approach Angle:
S/SV (2WD) 16.2°
S/SV (4WD) 16.0°
Pro-4X: 21.1° (at front spoiler/
skid plate) 19.0°
(at front tow hooks)

H. 3,550 mm (139.76 in)

L. S/SV: 5,866.5 mm (230.96 in)
Pro-4X: 5,867.9 mm (231.81 in)

C. 1,478 mm (58.19 in)

F. Departure Angle:
S/SV (without hitch) 27.4°
S/SV (with hitch) 23.6°
Pro-4X (without hitch) 27.8°
Pro-4X (with hitch) 24.0°

J. 1,259.0 mm (49.6 in)

M. S/SV: 2,020 mm (79.53 in)
Pro-4X: 2,049.6 mm (80.69 in)

EXTERIOR – KING CAB® (2017-2019 Model Years)

[BODY DIMENSIONS]

N. 32.08°

P. S/SV: 2,020.0 mm (79.5 in)

Q. 2WD: 36.42°

Pro-4X: 2,049.6 mm (80.7 in)

4WD: 36.25°

R. S/SV: 1,737 mm (68.4 in)

Pro-4X: 1,742 mm (68.6 in)

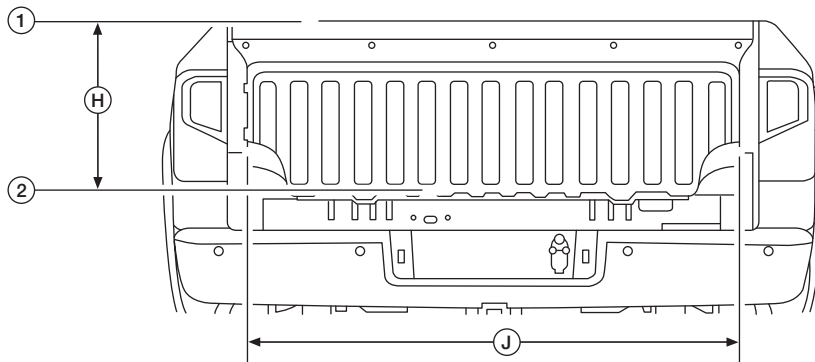
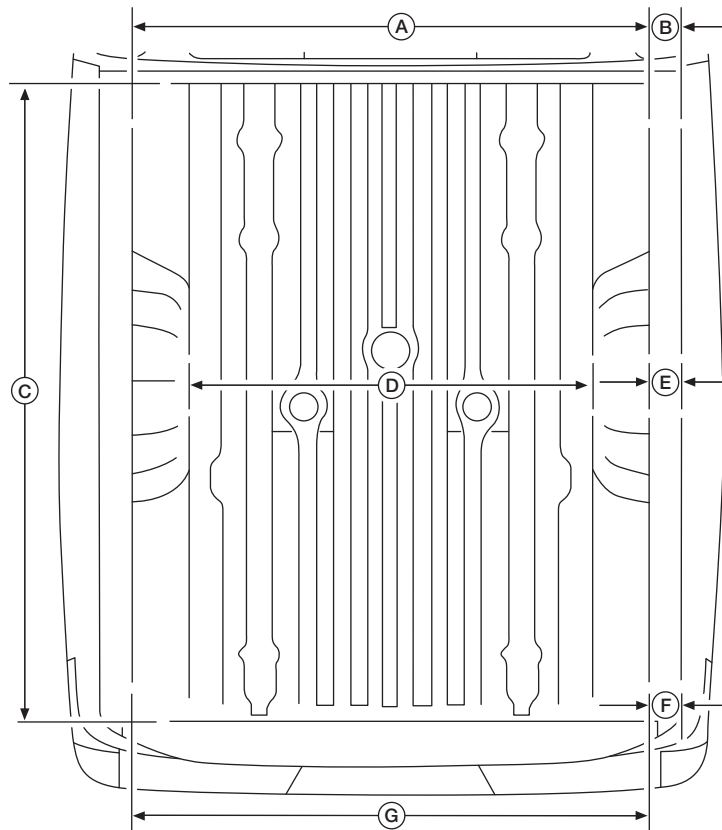
Bed Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0532ZZ

EXTERIOR – KING CAB® (2017-2019 Model Years)

[BODY DIMENSIONS]

1. Top of bed side cap	2. Top of bed floor ribs	A. Maximum cargo width at front of bed: 1,572 mm (61.89 in)
B. Width of bed side cap at front: 89 mm (3.5 in)	C. Maximum cargo length: 2,001.8 mm (78.8 in)	D. Maximum cargo width between wheel wells: 1,271 mm (50.0 in)
E. Width of bed side cap at center: 94 mm (3.7 in)	F. Width of bed side cap at rear: 89 mm (3.5 in)	G. Maximum cargo width at rear of bed: 1,620.0 mm (63.8 in)
H. Height of bed: 5279 mm (20.8 in)	J. Maximum cargo width tailgate opening: 1,525 mm (60.04 in)	

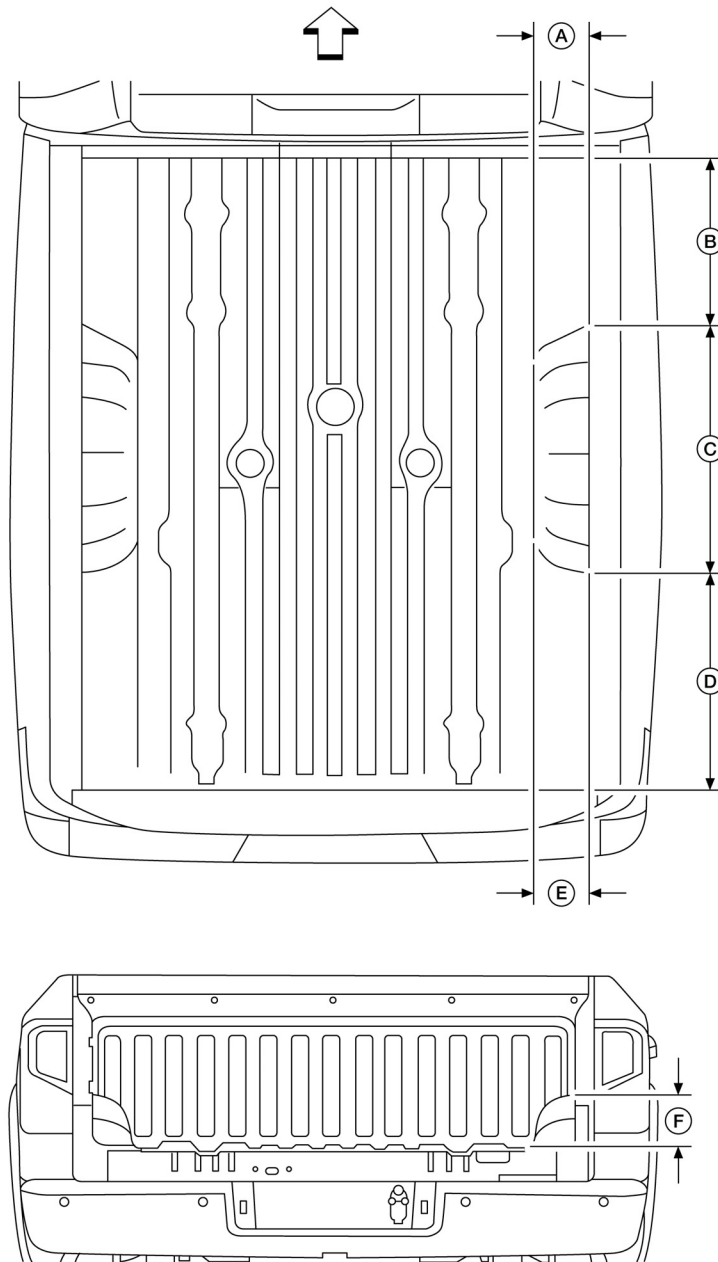
Wheel Well Clearance

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0540ZZ

↔: Front of vehicle.

A. 185 mm (7.28 in)
D. 620 mm (24.41 in)

B. 550 mm (21.65 in)
E. 185 mm (7.28 in)

C. 815 mm (32.09 in)
F. 220 mm (8.66 in)

Tie-Down Hooks

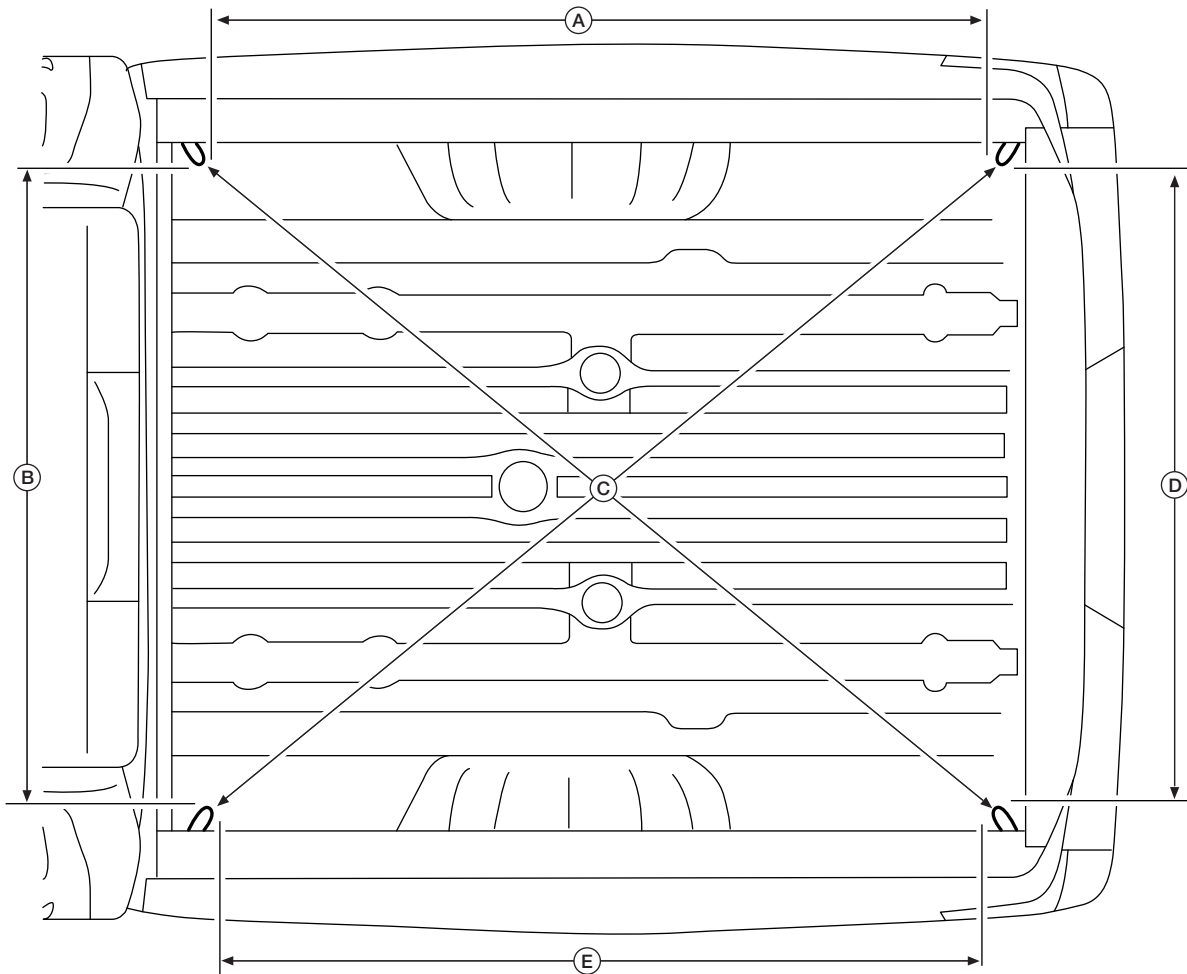
NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).

Overhead View



AAZIA0535ZZ



WARNING:

Do not exceed the maximum tie-down hook loading of 5,250 N (1,180.2 lbs.) per tie-down.

A. 1,737 mm (68.39 in)

B. 1,523 mm (59.96 in)

C. 2,318 mm (91.26 in)

D. 1,523 mm (59.96 in)

E. 1,737 mm (68.39 in)

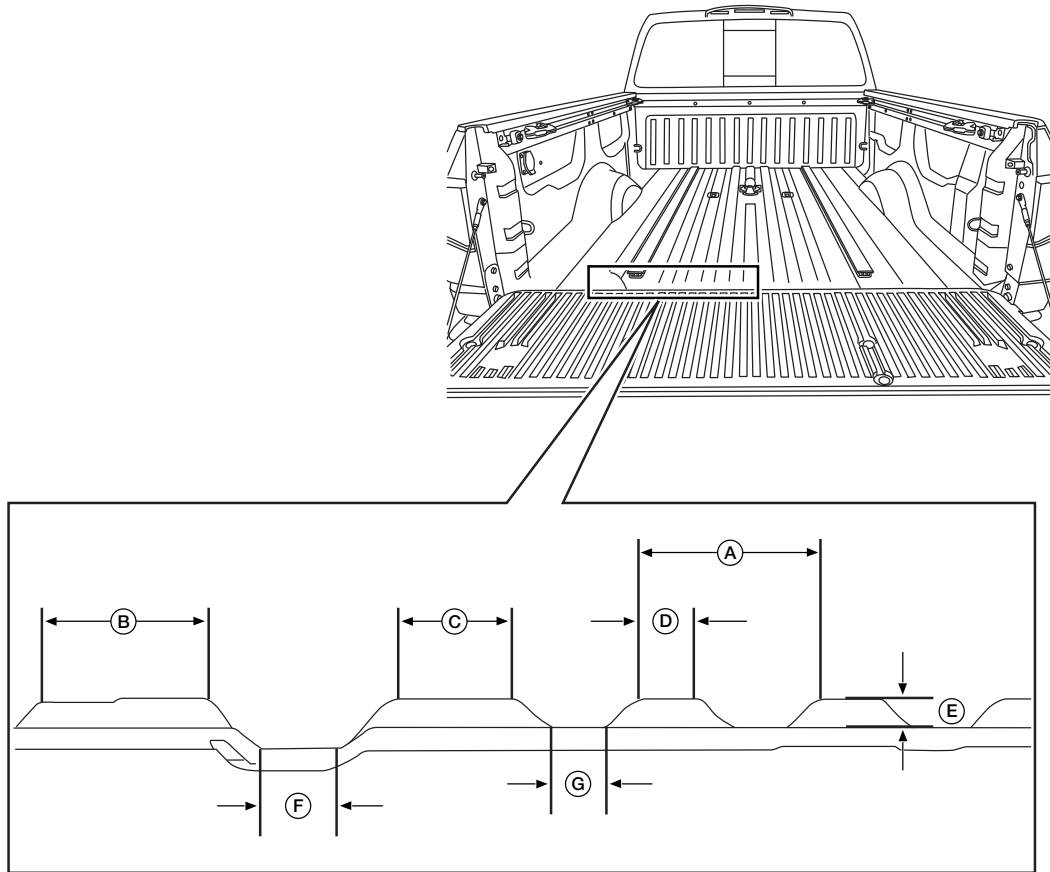
Bed Rib Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0505ZZ

A. 100 mm (3.94 in)

B. 50 mm (1.97 in)

C. 68 mm (2.68 in)

D. 35 mm (1.38 in)

E. 16 mm (0.63 in)

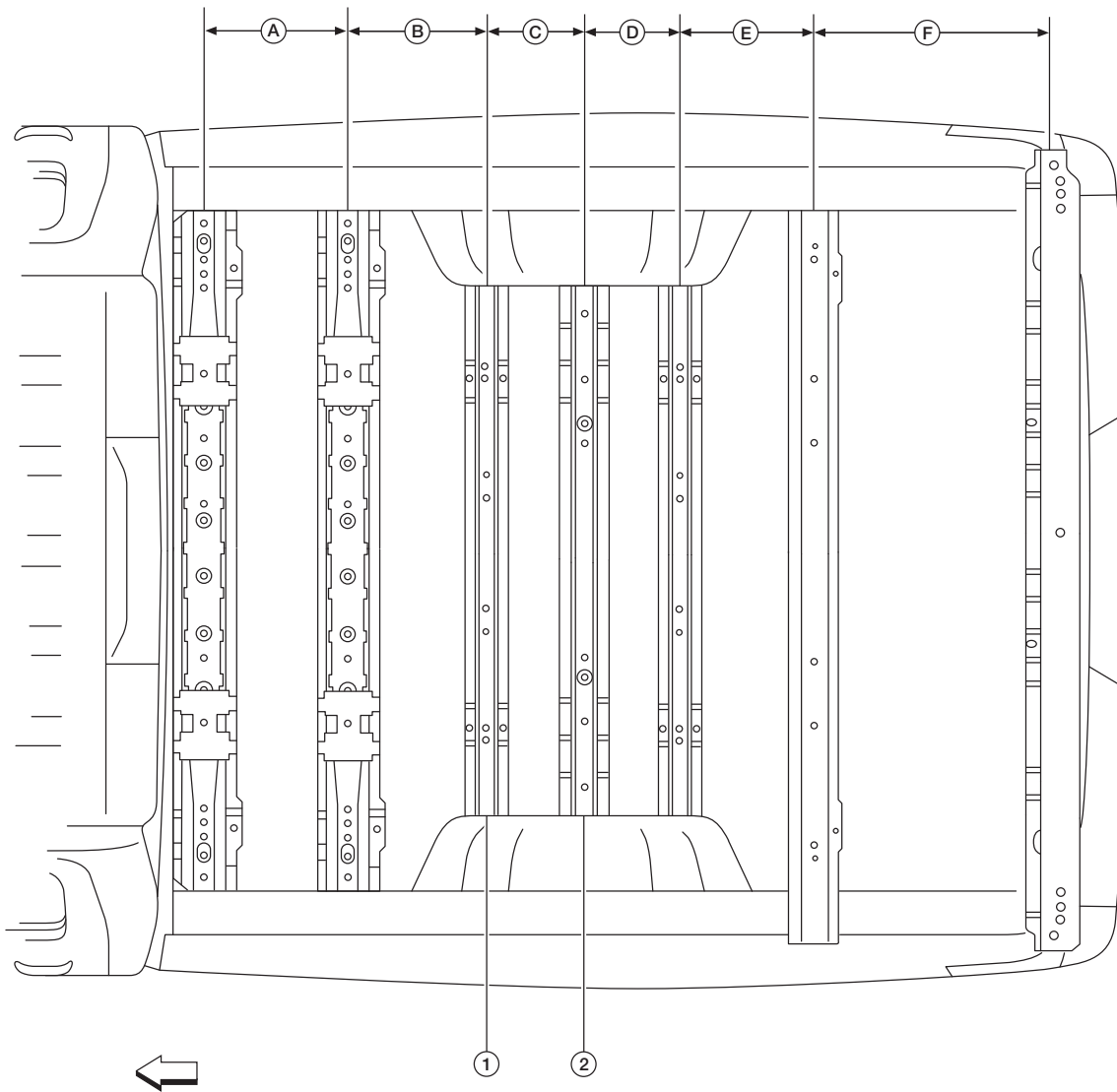
F. 45 mm (1.77 in)

G. 42 mm (1.65 in)

Bed Support Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.



AAZIA0541ZZ

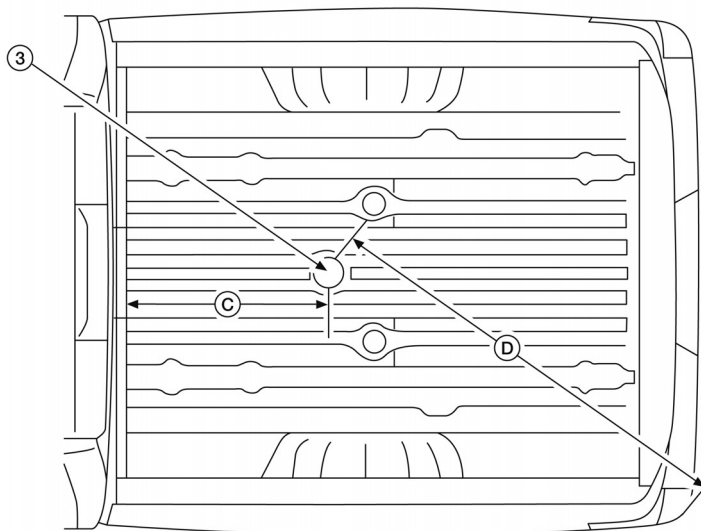
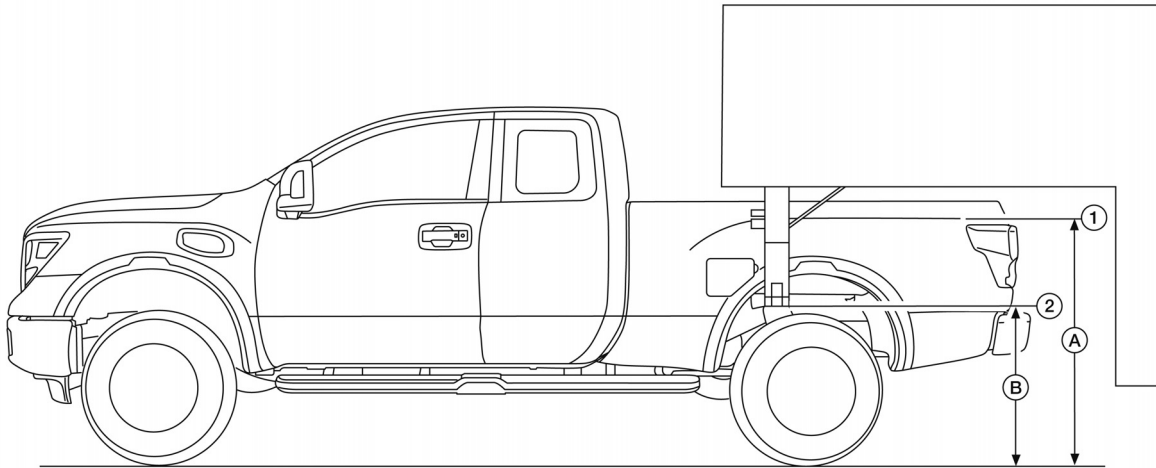
↖: Front of vehicle.

- 1. Used on gooseneck bed
- B. 313 mm (12.32 in)
- E. 286 mm (11.26 in)

- 2. Used on standard bed
- C. 217 mm (8.54 in)
- F. 530 mm (20.87 in)

- A. 300 mm (11.81 in)
- D. 213 mm (8.39 in)

Gooseneck Trailer Clearance



AAZIA0964ZZ

1. Top of bed

A. 1,478 mm (58.19 in)

D. 1,620 mm (63.78 in)

2. Bed load floor

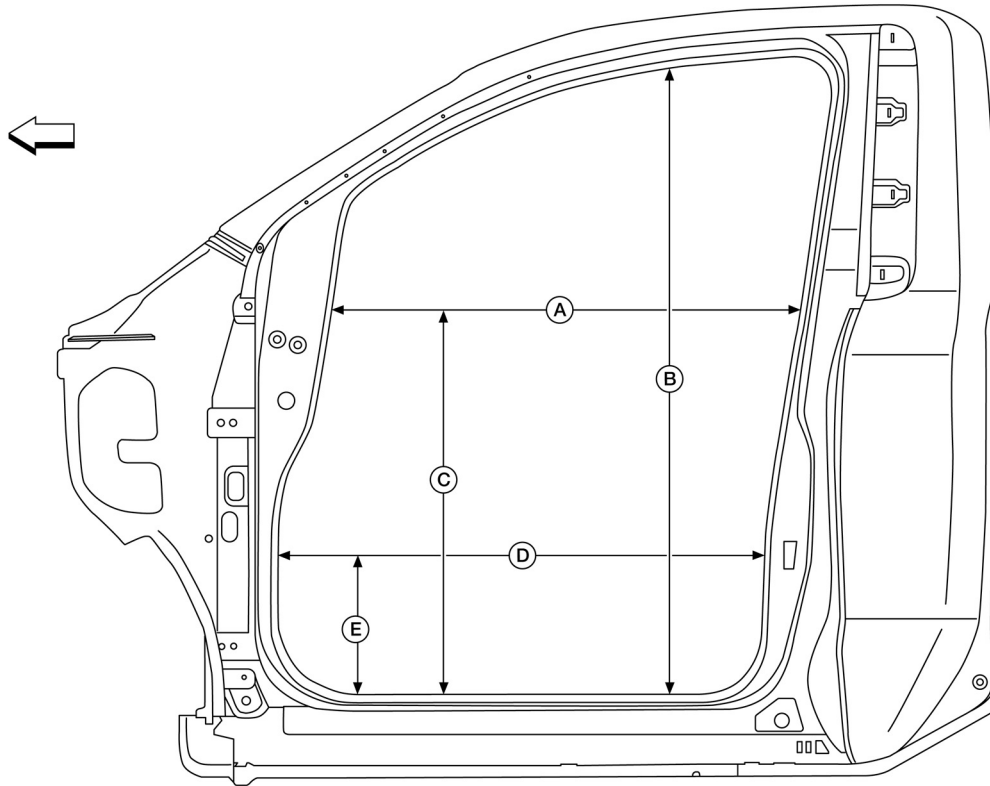
B. 977 mm (38.46 in)

3. 2-5/16" hitch ball

C. 1,351.07 mm (31.69 in)

EXTERIOR – SINGLE CAB (2017-2019 Model Years)

Door Opening Measurements



AAZIA0816ZZ

←: Front of vehicle.

Without Door Seal and Interior Trim

A. 901 mm (35.47 in)

B. 1,212 mm (47.72 in)

C. 770 mm (30.31 in)

D. 1,245 mm (49.02 in)

E. 300 mm (11.81 in)

With Door Seal and Interior Trim

A. 894 mm (35.20 in)

B. 1,202 mm (47.32 in)

C. 770 mm (30.31 in)

D. 924 mm (36.38 in)

E. 300 mm (11.81 in)

Doors and Mirrors Dimensions

Overhead View

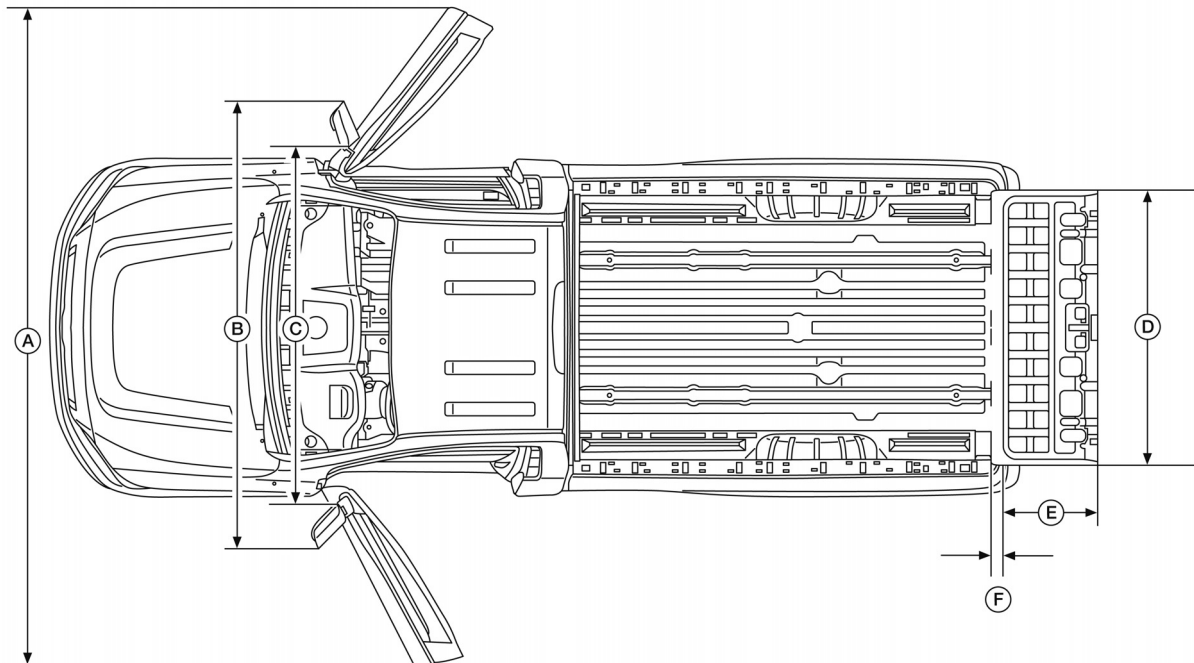
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0848ZZ

A. 4,004 mm (157.64 in)

B. With Tow Mirrors Extended:
2,607.19 mm (102.65 in)
With Tow Mirrors Non-Extended:
2,447.19 mm (96.35 in)
Without Tow Mirrors: 2,349.53 mm
(92.50 in)
With Base Mirrors: 2,349.53 mm
(92.50 in)

C. With Mirrors Folded: 2,147.7
mm (84.55 in)
With Tow Mirrors Folded:
2,182.1 mm (85.91 in)

D. 577 mm (22.72 in)

E. 32 mm (1.26 in)

Exterior Overall Dimensions (Diesel)

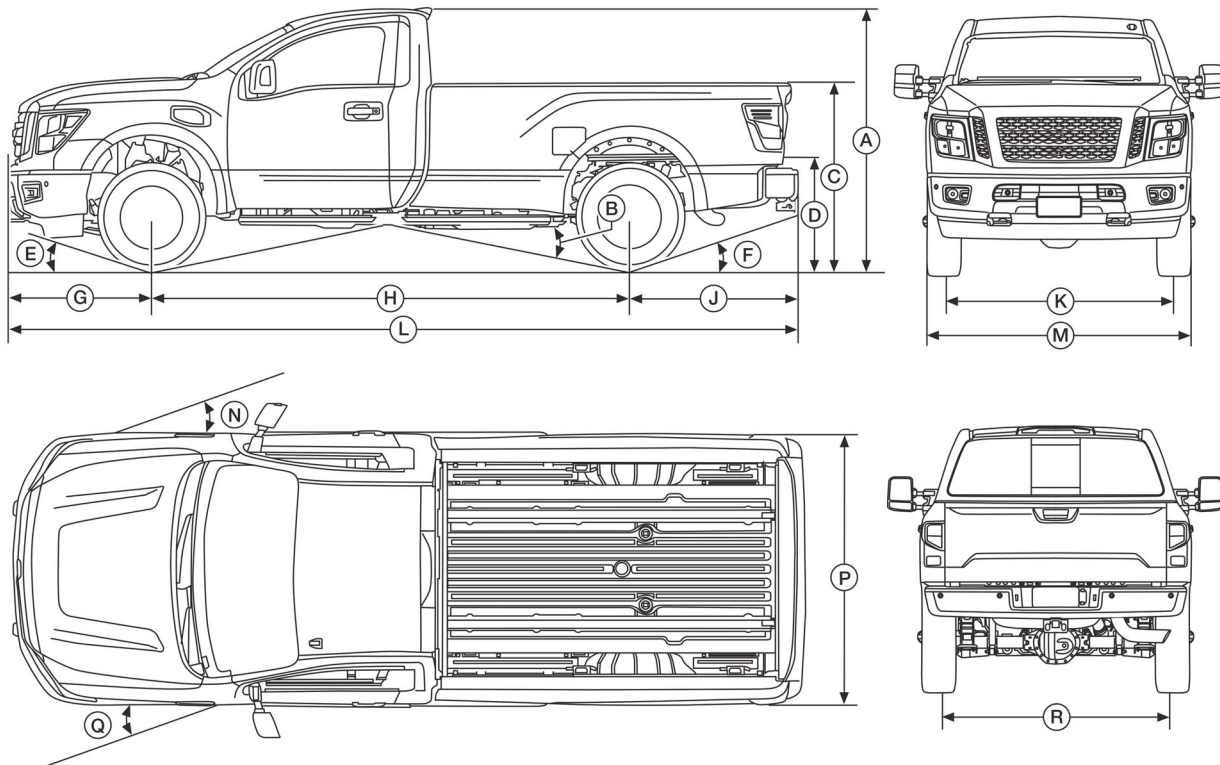
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0832ZZ

A. S/SV (2WD) 1,960.5 mm (77.2 in)
S/SV (4WD) 1,959.5 mm (77.1 in)

D. 836 mm (32.91 in)

G. 1,057.9 mm (41.6 in)

K. S/SV 1,738 mm (68.4 in)

N. 32.2°

R. S/SV 1,737 mm (68.4 in)

B. Rampover Angle:
S/SV (2WD) 22.0°
S/SV (4WD) 21.6°

E. Approach Angle:
S/SV (2WD) 15.8°
S/SV (4WD) 15.6°

H. 3,550 mm (139.5 in)

L. S/SV/ 5,866.5 mm (231 in)

P. S/SV 2,020 mm (79.5 in)

C. 1,457.8 mm (57.4 in)

F. Departure Angle :
S/SV (without hitch) 27.6°
S/SV (2WD with hitch) 23.7°
S/SV (4WD with hitch) 23.8°

J. 1,259 mm (49.6 in)

M. 2,020 mm (79.5 in)

Q. 36.4° (2WD)
36.25° (4WD)

Exterior Overall Dimensions (Gasoline)

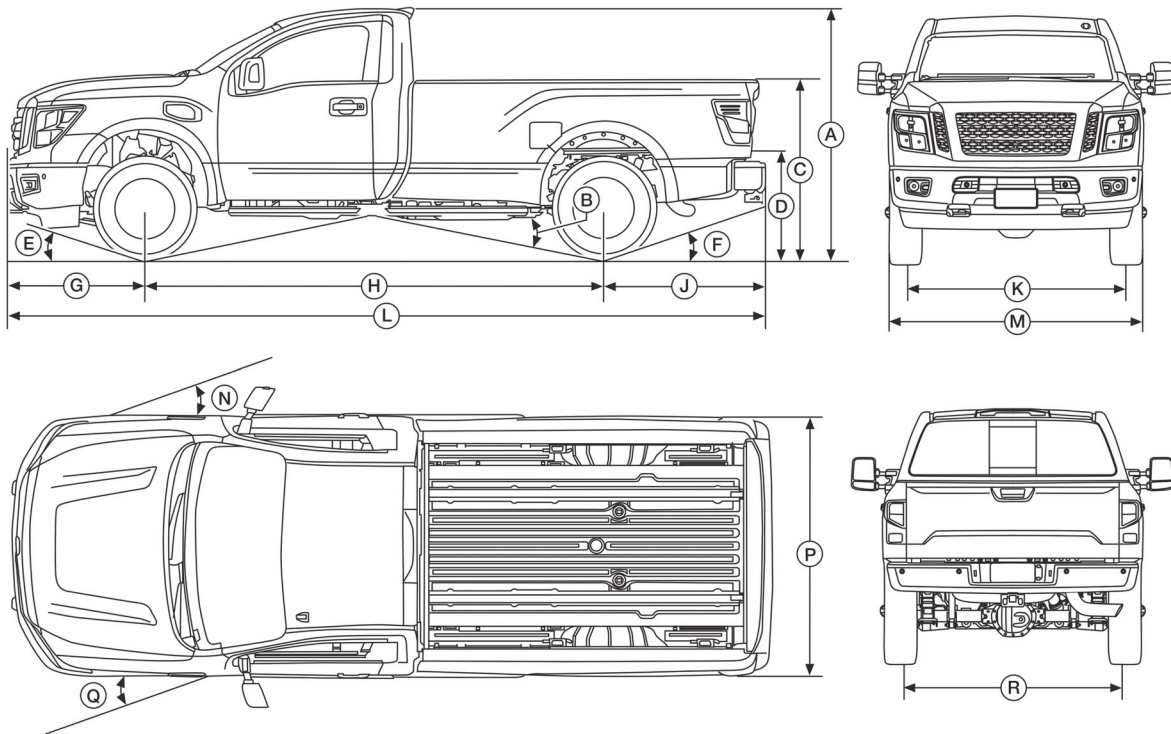
NOTE:

Removal of the bed is not authorized by Nissan.



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.



AAZIA0832ZZ

A. S/SV (2WD) 1,962.5 mm (77.3 in)

S/SV (4WD) 1,962.5 mm (77.3 in)

D. 836 mm (38.46 in)

G. S/SV 1,057.9 mm (41.6 in)

K. S/SV 1,738 mm (68.4 in)

N. 32.2°

R. S/SV 1,737 mm (68.4 in)

B. Rampover Angle 21.2°

E. Approach Angle:

S/SV (2WD) 16.2°

S/SV (4WD) 16.0°

H. 3,550 mm (139.5 in)

L. S/SV 5,866.5 mm (231 in)

P. S/SV 2,020 mm (79.5 in)

C. 1,478 mm (58.19 in)

F. Departure Angle:

S/SV (2WD without hitch) 27.5°

S/SV (4WD without hitch) 27.6°

S/SV (2WD with hitch) 23.7°

S/SV (4WD with hitch) 23.8°

J. 1,259 mm (49.6 in)

M. 2,020 mm (79.5 in)

Q. 36.4° (2WD)

36.25° (4WD)

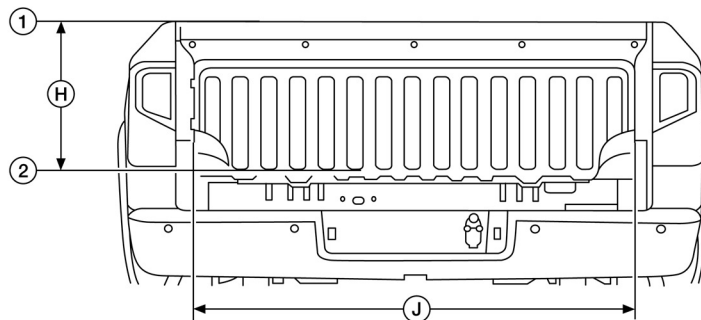
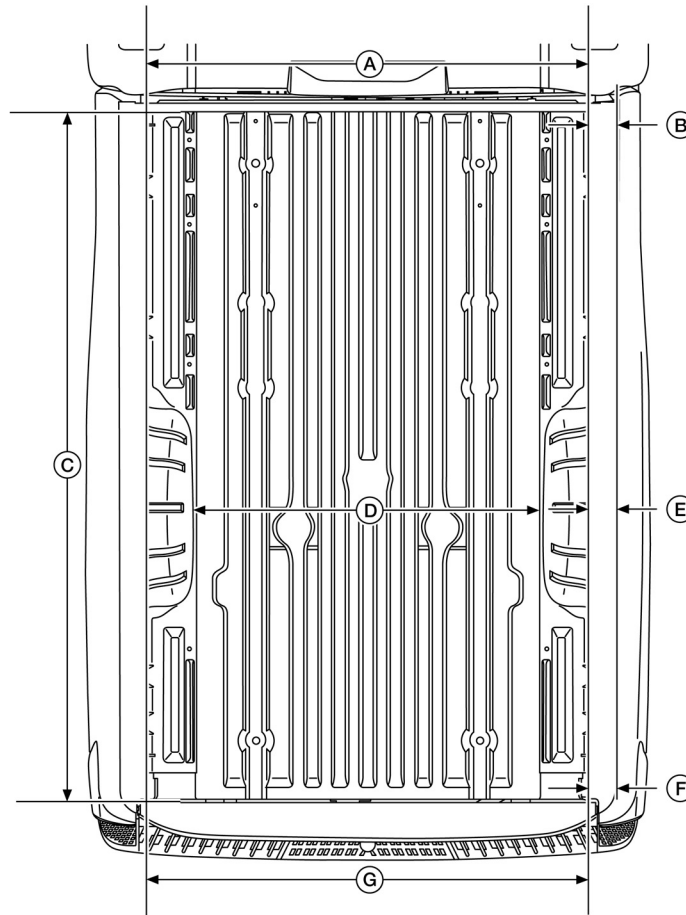
Bed Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0808ZZ

EXTERIOR – SINGLE CAB (2017-2019 Model Years)

[BODY DIMENSIONS]

1. Top of bed side cap	2. Top of bed floor ribs	A. Maximum cargo width at front of bed: 1,572 mm (61.89 in)
B. Width of bed side cap at front: 89 mm (3.5 in)	C. Maximum cargo length: 2,500 mm (98.42 in)	D. Maximum cargo width between wheel wells: 1,271 mm (50.0 in)
E. Width of bed side cap at center: 94 mm (3.7 in)	F. Width of bed side cap at rear: 89 mm (3.5 in)	G. Maximum cargo width at rear of bed: 1,620.0 mm (63.8 in)
H. Height of bed: 5279 mm (20.8 in)	J. Maximum cargo width tailgate opening: 1,525 mm (60.04 in)	

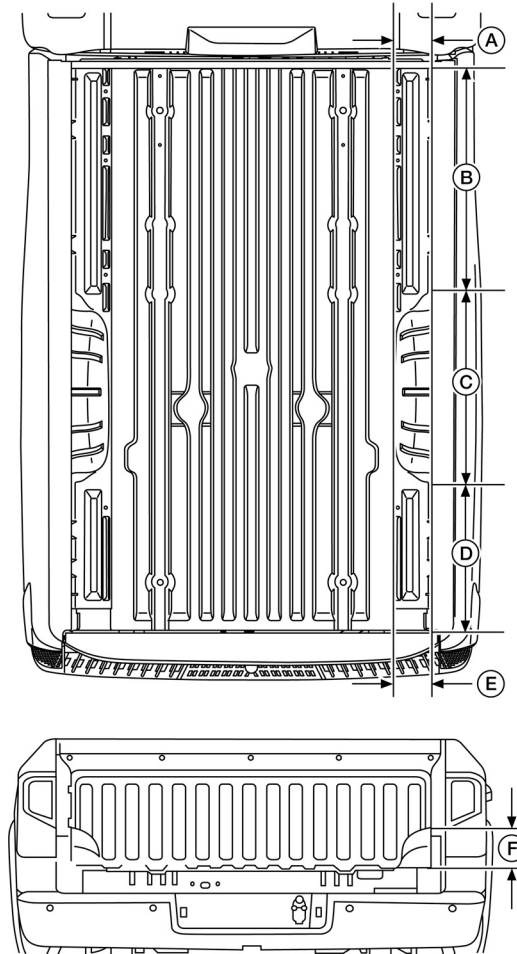
Wheel Well Clearance

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0809ZZ

A. 185 mm (7.28 in)

B. 1,050 mm (41.34 in)

C. 815 mm (32.09 in)

D. 640 mm (25.20 in)

E. 185 mm (7.28 in)

F. 220 mm (8.66 in)

Tie-Down Hooks

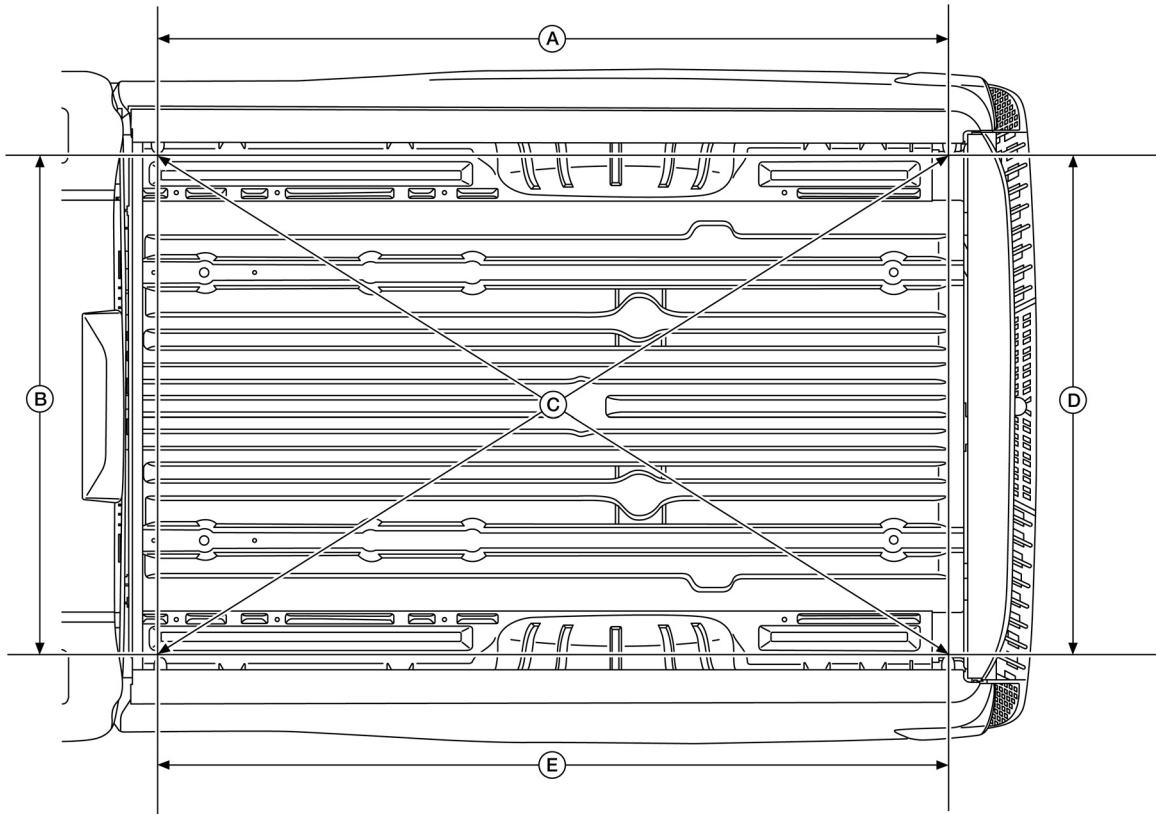
NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).

Overhead View



AAZIA0810ZZ



WARNING:

Do not exceed the maximum tie-down hook loading of 5,250 N (1,180.2 lbs.) per tie-down.

A. 2,250 mm (88.58 in)

B. 1,523 mm (59.96 in)

C. 2,720 mm (107.9 in)

D. 1,523 mm (59.96 in)

A. 2,250 mm (88.58 in)

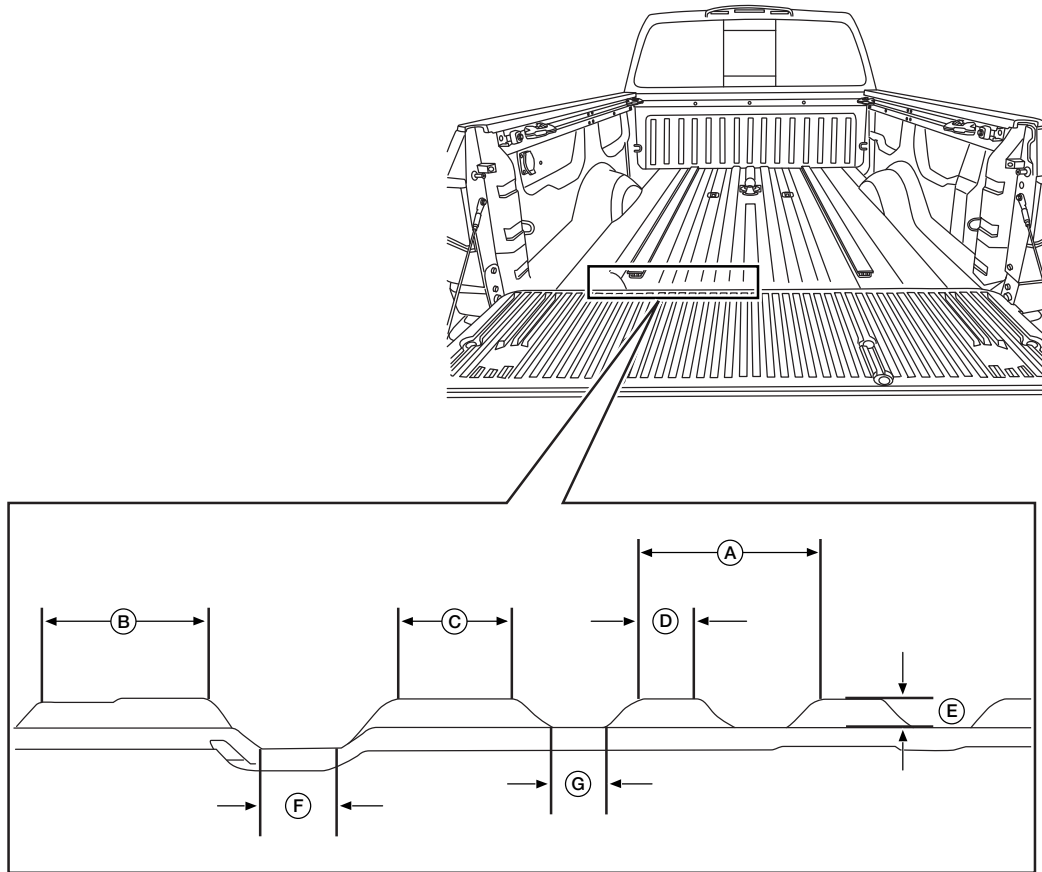
Bed Rib Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

NOTE:

All measurements in this section are taken from metal surface to metal surface. The nominal thickness of the spray-in bed liner is 1.5 mm (0.06 in).



AAZIA0505ZZ

A. 100 mm (3.94 in)

B. 50 mm (1.97 in)

C. 68 mm (2.68 in)

D. 35 mm (1.38 in)

E. 16 mm (0.63 in)

F. 45 mm (1.77 in)

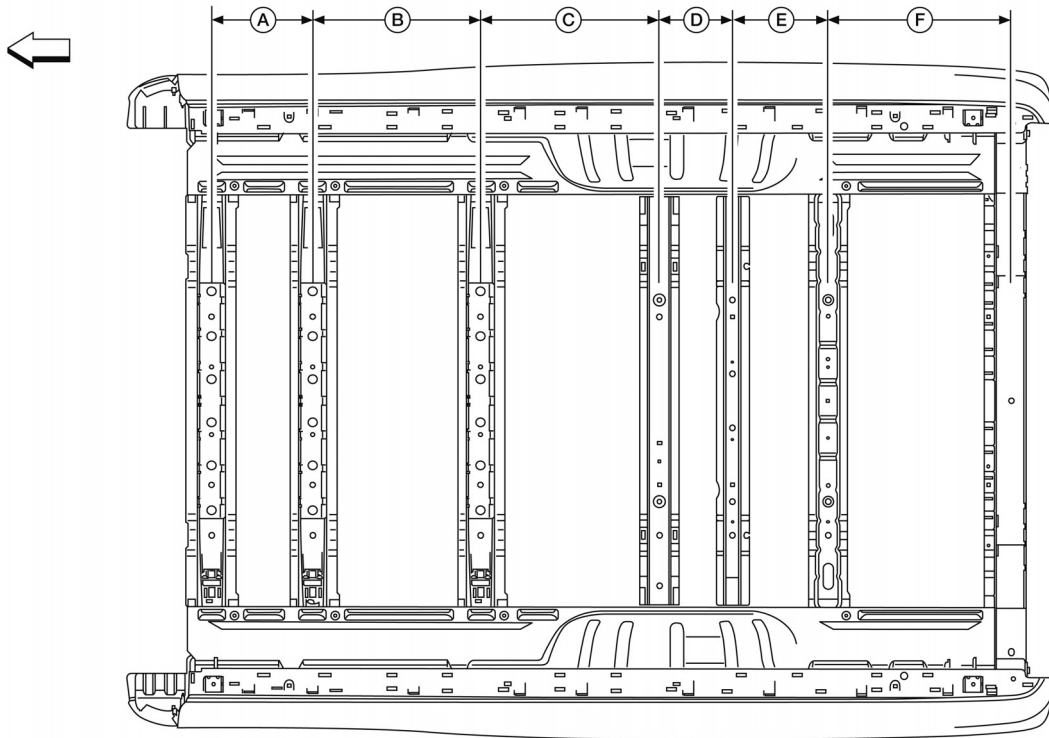
G. 42 mm (1.65 in)

Bed Support Dimensions

NOTE:

Removal of the bed is not authorized by Nissan.

Bed Supports Without Gooseneck Hitch



AAZIA0864ZZ

↔: Front of vehicle.

A. 299.9 mm (11.81 in)

B. 499.9 mm (19.68 in)

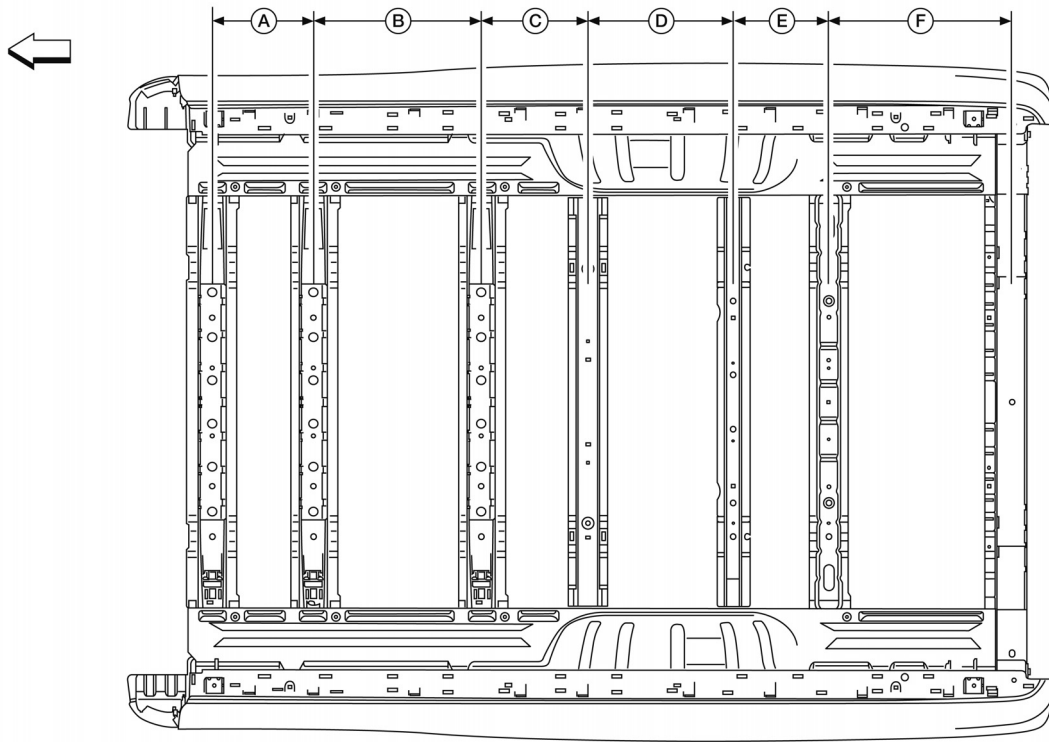
C. 530.1 mm (20.87 in)

D. 217.3 mm (8.56 in)

E. 283.6 mm (11.17 in)

F. 549.4 mm (21.63 in)

Bed Supports With Gooseneck Hitch



AAZIA0863ZZ

↖: Front of vehicle.

A. 300 mm (11.81 in)

B. 500 mm (19.69 in)

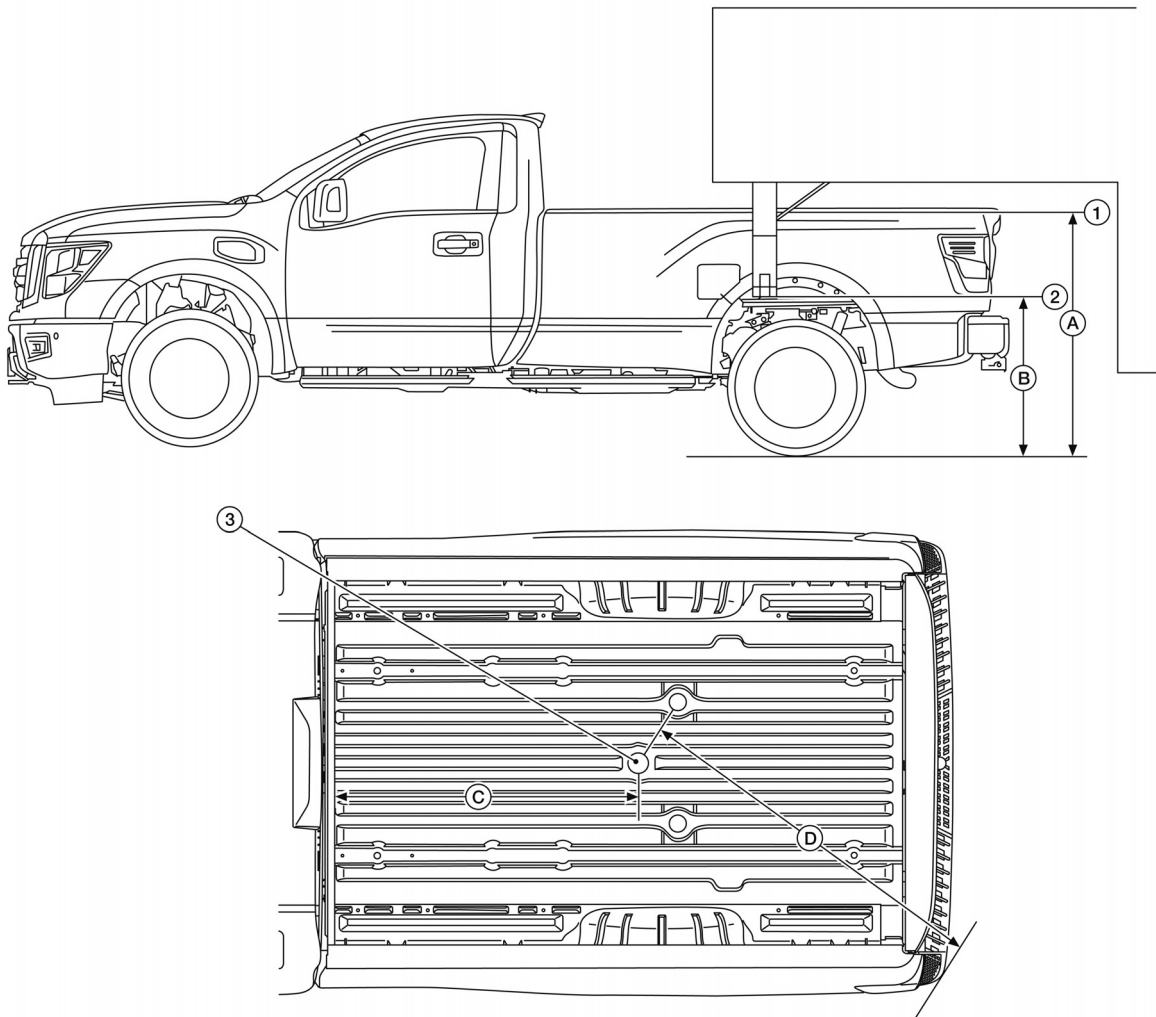
C. 317.6 mm (12.5 in)

D. 433.7 mm (17.07 in)

E. 283.7 mm (11.17 in)

F. 549.4 mm (21.63 in)

Gooseneck Trailer Clearance



AAZIA0847ZZ

1. Top of bed

A. 1,478 mm (58.19 in)

D. 1,620 mm (63.78 in)

2. Bed load floor

B. 977 mm (38.46 in)

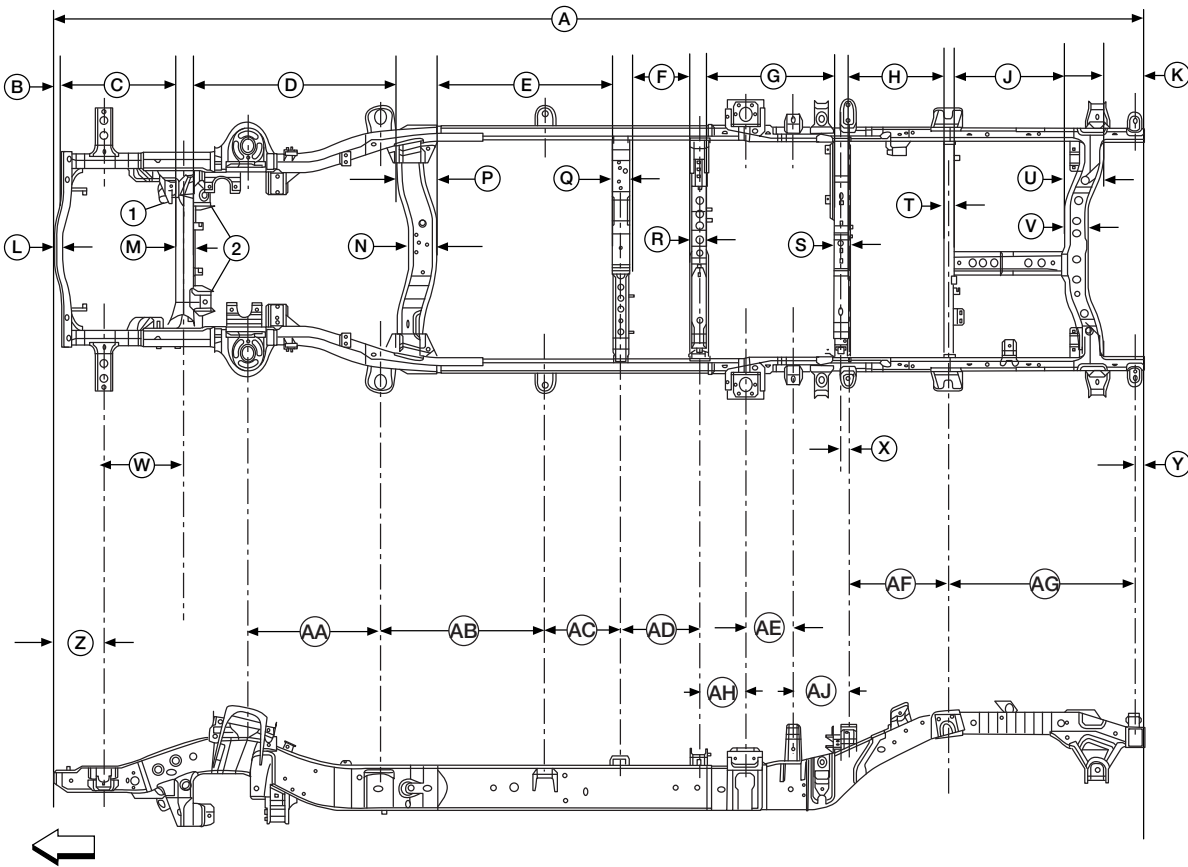
3. 2-5/16" hitch ball

C. 1,351.07 mm (31.69 in)

FRAME/BODY (DIESEL) (2016-2019 Model Years)

Crossmember and Body Mount Dimensions

Crew Cab Vehicles



AAZIA0480ZZ

↔: Front of vehicle.

1. 4WD only part

B. 45.0 mm (1.77 in)

E. 939.5 mm (36.99 in)

H. 500.9 mm (19.72 in)

L. 41.0 mm (1.61 in)

P. 213.0 mm (8.39 in)

S. 99.0 mm (3.90 in)

V. 127.5 mm (5.02 in)

Y. 52.5 mm (2.07 in)

AB. 892.0 mm (35.12 in)

AE. 253.0 mm (9.96 in)

AH. 2470 mm (9.72 in)

2. 4WD only parts

C. 601.1 mm (23.67 in)

F. 326.0 mm (12.83 in)

J. 592.5 mm (23.33 in)

M. 111.7 mm (4.40 in)

Q. 99.0 mm (3.90 in)

T. 55.7 mm (2.19 in)

W. 432.3 mm (17.02 in)

Z. 267.1 mm (10.52 in)

AC. 405.1 mm (15.95 in)

AF. 543.7 mm (21.41 in)

AJ. 300.0 mm (11.81 in)

A. 5,867.6 mm (231.01 in)

D. 1,087.2 mm (42.80 in)

G. 655.5 mm (25.81 in)

K. 224.0 mm (8.82 in)

N. 153.0 mm (6.02 in)

R. 79.0 mm (3.11 in)

U. 207.5 mm (8.17 in)

X. 40.0 mm (1.57 in)

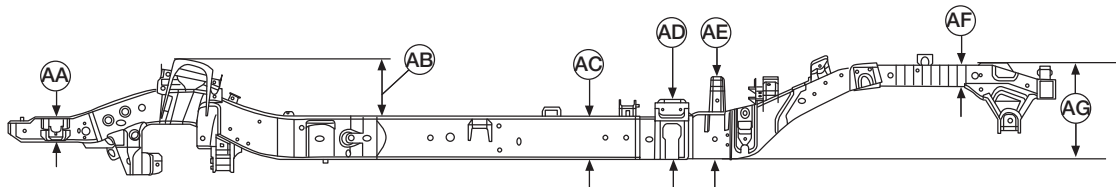
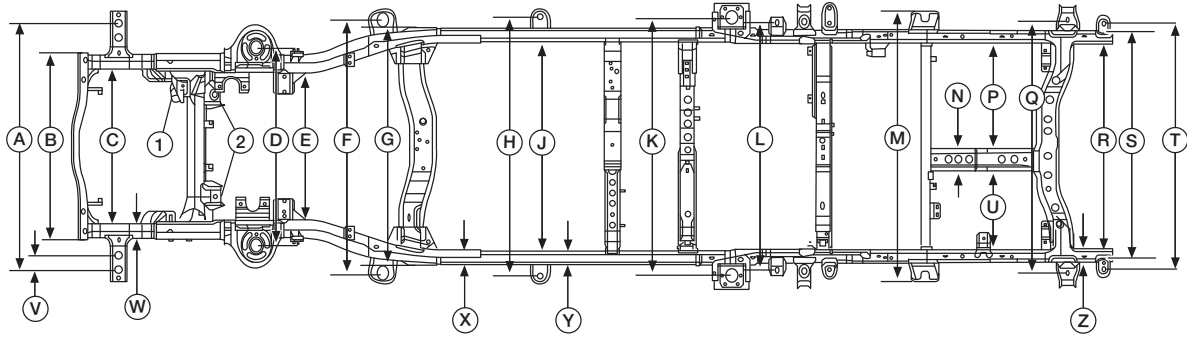
AA. 711.4 mm (28.01 in)

AD. 424.9 mm (16.73 in)

AG. 999.3 mm (39.34 in)

FRAME/BODY (DIESEL) (2016-2019 Model Years)

[BODY DIMENSIONS]



AAZIA0731ZZ

←: Front of vehicle.

1. 4WD only part

B. 1,108.1 mm (43.63 in)

E. 746.4 mm (29.39 in)

H. 1,316.0 mm (51.81 in)

L. 1,250.0 mm (49.21 in)

P. 534.1 mm (21.03 in)

S. 1,119.8 mm (44.09 in)

V. 72.5 mm (2.85 in)

Y. 70.0 mm (2.76 in)

AB. 266.2 mm (10.48 in)

AE. 418.4 mm (16.47 in)

2. 4WD only parts

C. 777.4 mm (30.61 in)

F. 1,246.5 mm (49.07 in)

J. 1,059.0 mm (41.69 in)

M. 1,364.0 mm (53.70 in)

Q. 1,285.2 mm (50.60 in)

T. 1,250.0 mm (49.21 in)

W. 77.9 mm (3.07 in)

Z. 62.1 mm (2.44 in)

AC. 210.0 mm (8.27 in)

AF. 110.0 mm (4.33 in)

A. 1,253.0 mm (49.33 in)

D. 1,006.9 mm (39.64 in)

G. 1,199.0 mm (47.20 in)

K. 1,308.0 mm (51.50 in)

N. 114.9 mm (4.52 in)

R. 1,043.0 mm (41.06 in)

U. 394.1 mm (15.52 in)

X. 73.7 mm (2.90 in)

AA. 121.8 mm (4.80 in)

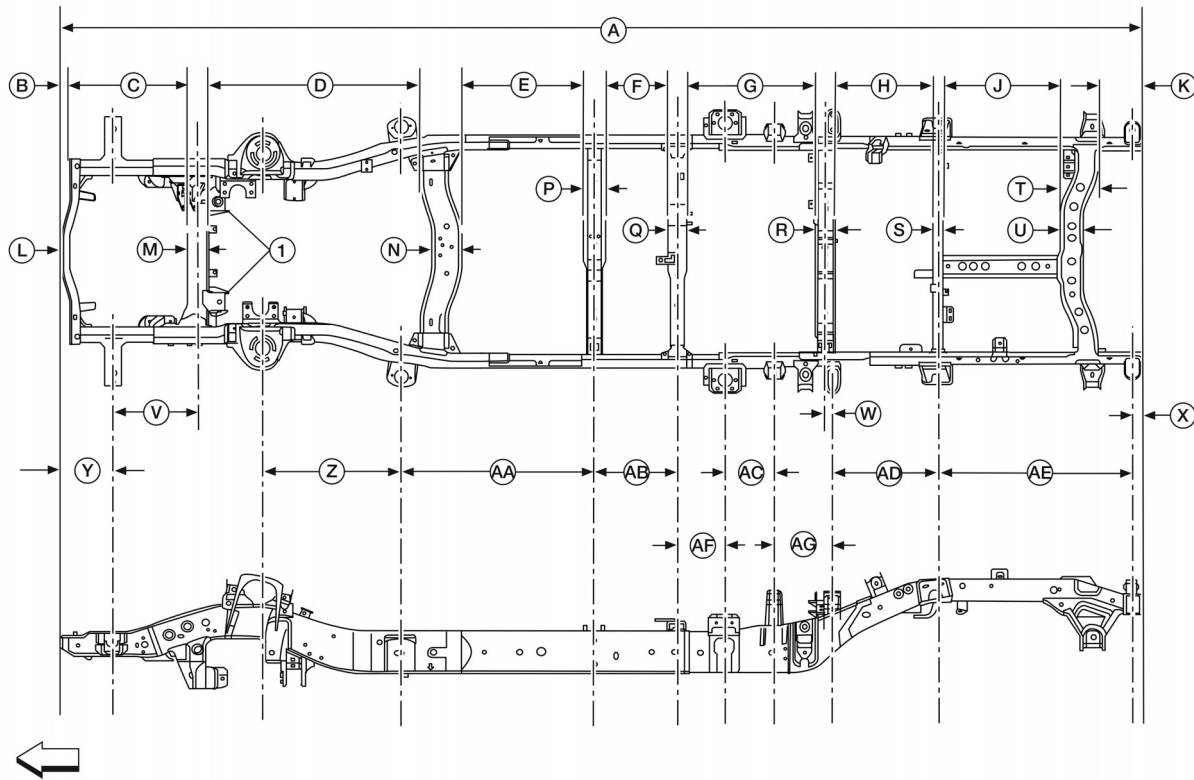
AD. 306.0 mm (12.05 in)

AG. 477.7 mm (18.81 in)

FRAME/BODY (DIESEL) (2016-2019 Model Years)

[BODY DIMENSIONS]

King Cab® Vehicles



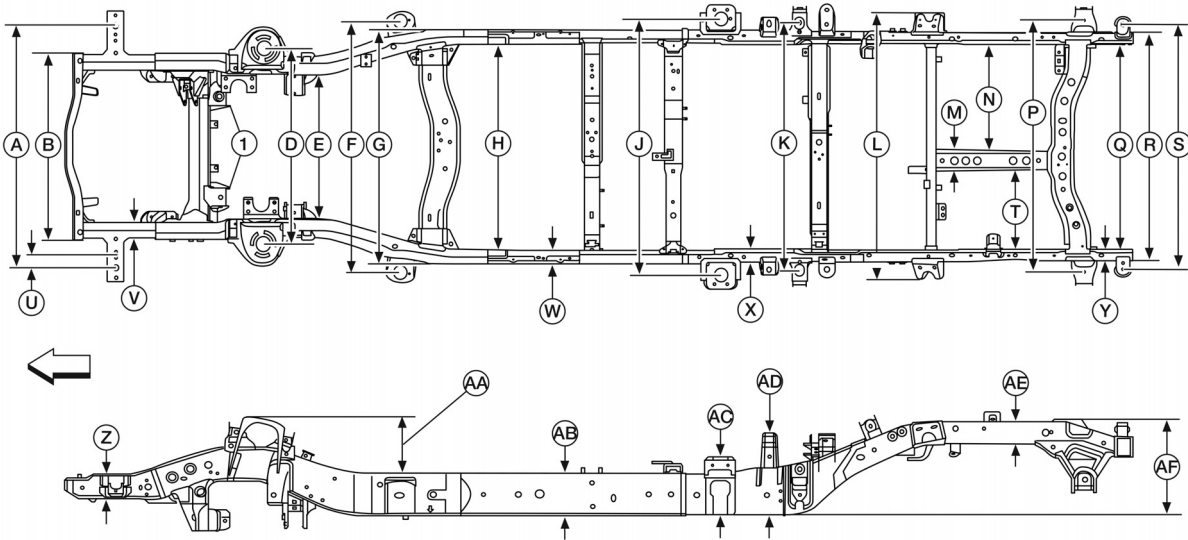
AAZIA0934ZZ

←: Front of vehicle.

- | | | |
|------------------------|---------------------------|-------------------------|
| 1. 4WD only parts | A. 5,567.6 mm (219.20 in) | B. 45.0 mm (1.77 in) |
| C. 601.1 mm (23.67 in) | D. 1,087.2 mm (42.80 in) | E. 635.5 mm (25.00 in) |
| F. 322.0 mm (12.68 in) | G. 655.5 mm (25.81 in) | H. 500.9 mm (19.72 in) |
| J. 592.5 mm (23.33 in) | K. 224.0 mm (8.82 in) | L. 41.0 mm (1.61 in) |
| M. 111.7 mm (4.40 in) | N. 153.0 mm (6.02 in) | P. 107.0 mm (4.21 in) |
| Q. 99.0 mm (3.90 in) | R. 99.0 mm (3.90 in) | S. 55.7 mm (2.19 in) |
| T. 207.5 mm (8.17 in) | U. 127.5 mm (5.02 in) | V. 432.3 mm (17.02 in) |
| W. 39.0 mm (1.54 in) | X. 52.5 mm (2.07 in) | Y. 267.1 mm (10.52 in) |
| Z. 711.4 mm (28.01 in) | AA. 997.0 mm (39.25 in) | AB. 425.1 mm (16.74 in) |
| AC. 253.0 mm (9.96 in) | AD. 543.7 mm (21.41 in) | AE. 999.3 mm (39.34 in) |
| AF. 246.9 mm (9.72 in) | AG. 300.0 mm (11.81 in) | |

FRAME/BODY (DIESEL) (2016-2019 Model Years)

[BODY DIMENSIONS]



AAZIA0935ZZ

←: Front of vehicle.

1. 4WD only parts

C. 777.4 mm (30.61 in)

F. 1,246.5 mm (49.07 in)

J. 1,308.0 mm (51.50 in)

M. 114.9 mm (4.52 in)

Q. 1,043.0 mm (41.06 in)

T. 394.1 mm (15.52 in)

W. 73.7 mm (2.90 in)

Z. 121.8 mm (4.80 in)

AC. 306.0 mm (12.05 in)

AF. 477.7 mm (18.81 in)

A. 1,253.0 mm (49.33 in)

D. 1,006.9 mm (39.64 in)

G. 1,199.0 mm (47.20 in)

K. 1,325.0 mm (52.17 in)

N. 534.1 mm (21.03 in)

R. 1,119.8 mm (44.09 in)

U. 72.5 mm (2.85 in)

X. 70.0 mm (2.76 in)

AA. 266.2 mm (10.48 in)

AD. 418.4 mm (16.47 in)

B. 1,108.1 mm (43.62 in)

E. 746.4 mm (29.39 in)

H. 1,059.0 mm (41.69 in)

L. 1,364.0 mm (53.70 in)

P. 1,285.2 mm (50.60 in)

S. 1,250.0 mm (49.21 in)

V. 77.9 mm (3.07 in)

Y. 62.1 mm (2.44 in)

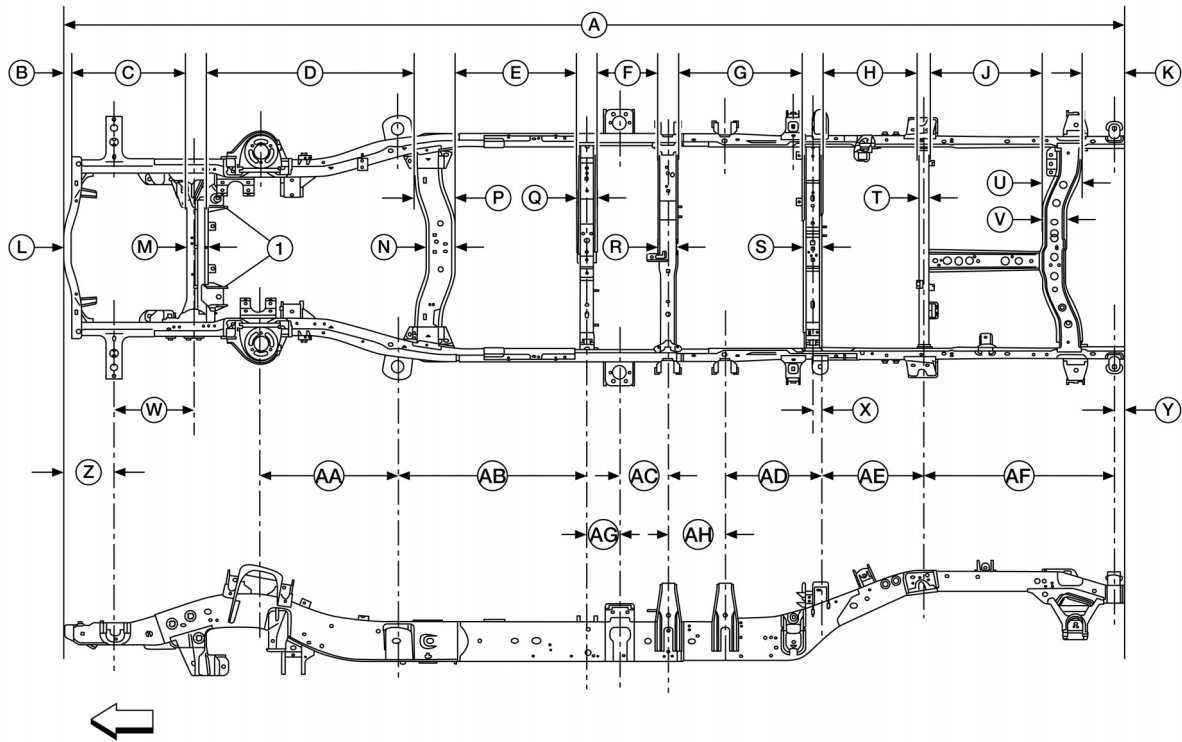
AB. 210.0 mm (8.27 in)

AE. 110.0 mm (4.33 in)

FRAME/BODY (DIESEL) (2016-2019 Model Years)

[BODY DIMENSIONS]

Single Cab Vehicles



AAZIA0788ZZ

←: Front of vehicle.

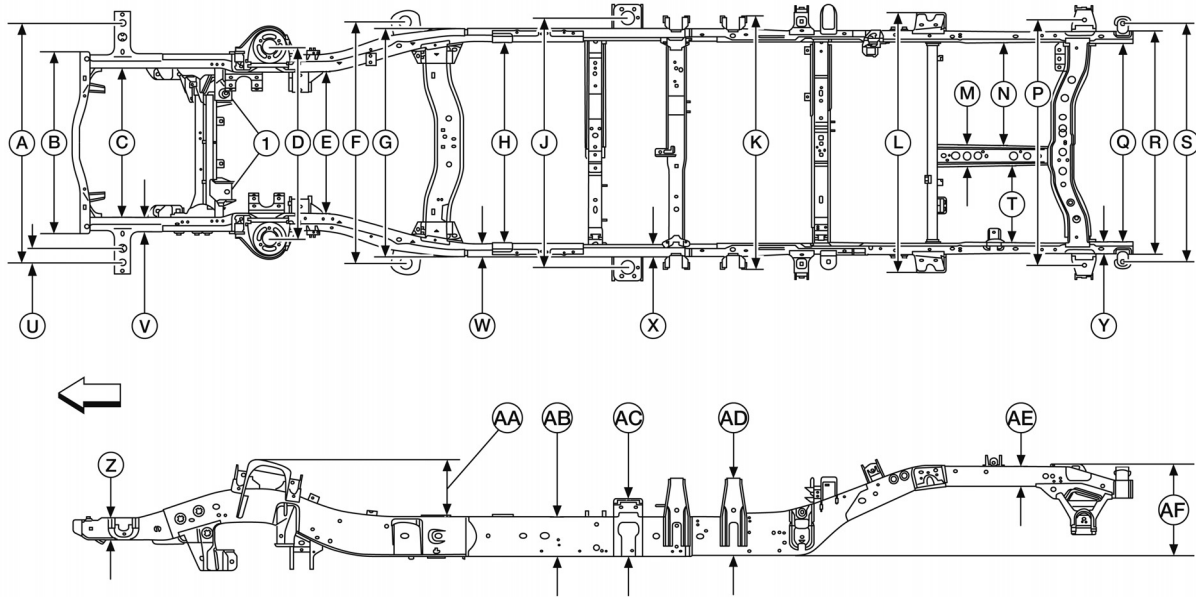
- 1. 4WD only parts
- C. 601.1 mm (23.67 in)
- F. 322.0 mm (12.68 in)
- J. 592.5 mm (23.33 in)
- M. 111.7 mm (4.40 in)
- Q. 99.0 mm (3.90 in)
- T. 55.7 mm (2.19 in)
- W. 432.3 mm (17.02 in)
- Z. 267.1 mm (10.52 in)
- AC. 253.1 mm (9.96 in)
- AF. 999.3 mm (39.34 in)

- A. 5,567.6 mm (219.20 in)
- D. 1,087.2 mm (42.80 in)
- E. 635.5 mm (25.02 in)
- G. 661.0 mm (26.02 in)
- K. 224.0 mm (8.82 in)
- N. 153.0 mm (6.02 in)
- R. 99.0 mm (3.90 in)
- S. 99.0 mm (3.90 in)
- X. 40.0 mm (1.57 in)
- AA. 711.4 mm (28.01 in)
- AD. 500.0 mm (19.68 in)
- AG. 172.0 mm (6.77 in)

- B. 45.0 mm (1.77 in)
- E. 635.5 mm (25.02 in)
- H. 506.4 mm (19.94 in)
- L. 41.0 mm (1.61 in)
- P. 213.0 mm (8.39 in)
- S. 99.0 mm (3.90 in)
- V. 127.5 mm (5.02 in)
- Y. 52.5 mm (2.07 in)
- AB. 1,169.0 mm (46.02 in)
- AE. 543.7 mm (21.41 in)
- AH. 300.0 mm (11.81 in)

FRAME/BODY (DIESEL) (2016-2019 Model Years)

[BODY DIMENSIONS]



AAZIA0789ZZ

←: Front of vehicle.

- 1. 4WD only parts
- C. 777.4 mm (30.61 in)
- F. 1,246.5 mm (49.07 in)
- J. 1,308.0 mm (51.50 in)
- M. 114.9 mm (4.52 in)
- Q. 1,043.0 mm (41.06 in)
- T. 394.1 mm (15.52 in)
- W. 73.7 mm (2.90 in)
- Z. 121.8 mm (4.80 in)
- AC. 306.0 mm (12.05 in)
- AF. 477.7 mm (18.81 in)

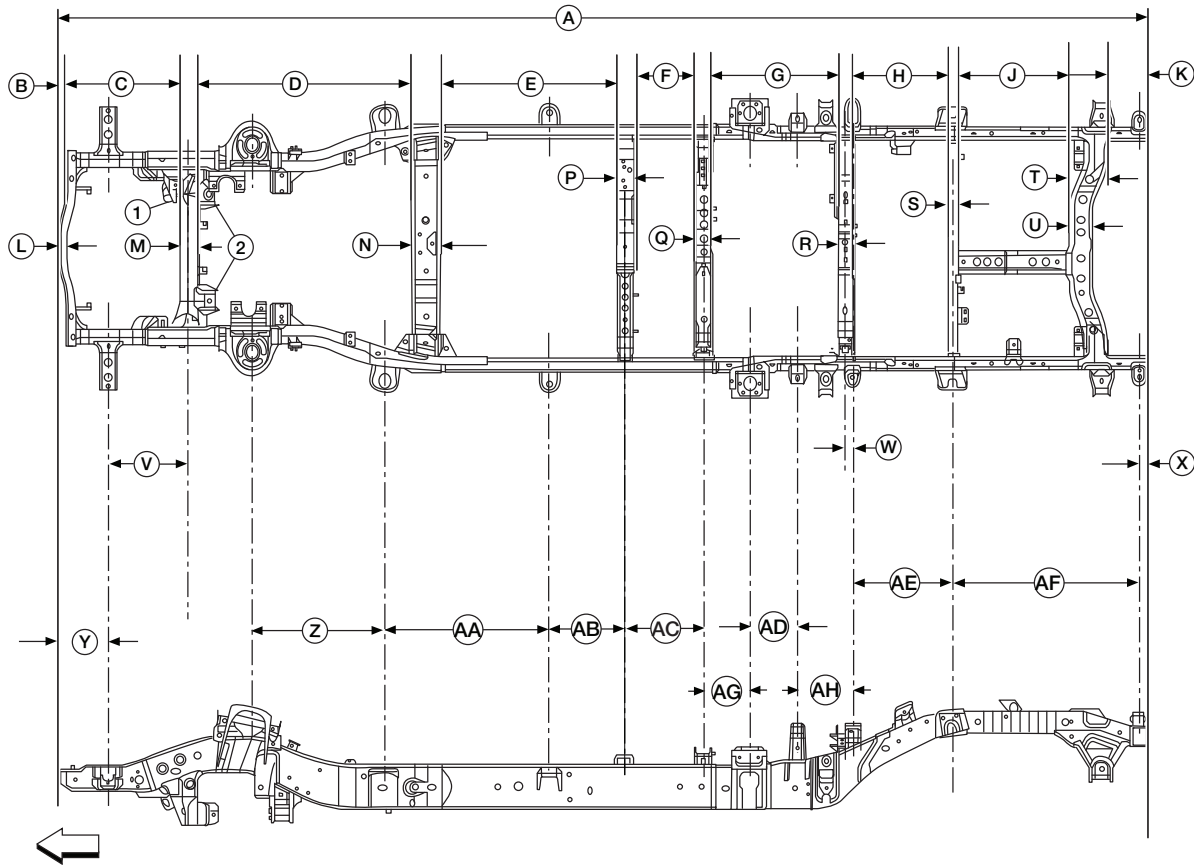
- A. 1,253.0 mm (49.33 in)
- D. 1,006.9 mm (39.64 in)
- G. 1,199.0 mm (47.20 in)
- H. 1,059.0 mm (41.69 in)
- K. 1,325.0 mm (52.17 in)
- L. 1,364.0 mm (53.70 in)
- N. 534.1 mm (21.03 in)
- R. 1,119.8 mm (44.09 in)
- U. 72.5 mm (2.85 in)
- X. 70.0 mm (2.76 in)
- AA. 266.2 mm (10.48 in)
- AD. 418.4 mm (16.47 in)

- B. 1,108.1 mm (43.63 in)
- E. 746.4 mm (29.39 in)
- I. 1,059.0 mm (41.69 in)
- O. 1,285.2 mm (50.60 in)
- S. 1,250.0 mm (49.21 in)
- V. 77.9 mm (3.07 in)
- Y. 62.1 mm (2.44 in)
- AB. 210.0 mm (8.27 in)
- AE. 110.0 mm (4.33 in)

FRAME/BODY (GASOLINE)

Crossmember and Body Mount Dimensions (2016-2019 Model Years)

Crew Cab Vehicles



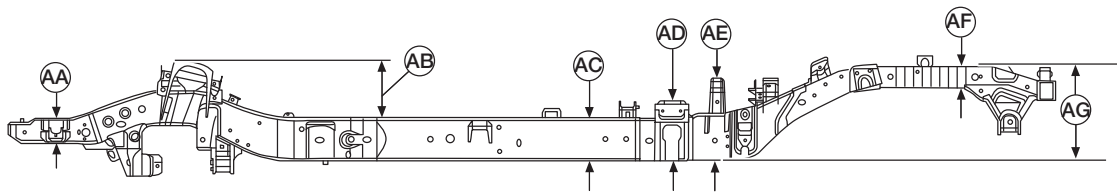
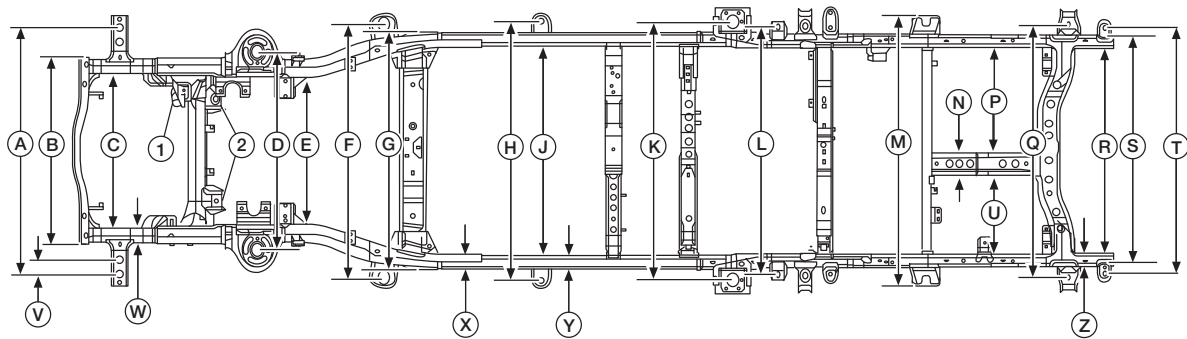
AAZIA062ZZ

↔: Front of vehicle.

- 1. 4WD only part
- B. 45.0 mm (1.77 in)
- E. 1,016.0 mm (40.0 in)
- H. 500.9 mm (19.72 in)
- L. 41.0 mm (1.61 in)
- P. 99.0 mm (3.90 in)
- S. 55.7 mm (2.19 in)
- V. 432.3 mm (17.02 in)
- Y. 267.1 mm (10.52 in)
- AB. 405.1 mm (15.95 in)
- AE. 543.7 mm (21.41 in)
- AH. 300.0 mm (11.81 in)

- 2. 4WD only parts
- C. 601.1 mm (23.67 in)
- F. 326.0 mm (12.83 in)
- J. 592.5 mm (23.33 in)
- M. 111.7 mm (4.40 in)
- Q. 79.0 mm (3.11 in)
- T. 207.5 mm (8.17 in)
- W. 40.0 mm (1.57 in)
- Z. 711.4 mm (28.01 in)
- AC. 424.9 mm (16.73 in)
- AF. 999.3 mm (39.34 in)

- A. 5,867.6 mm (231.01 in)
- D. 1,090.7 mm (42.94 in)
- G. 655.5 mm (25.81 in)
- K. 224.0 mm (8.82 in)
- N. 133.0 mm (5.24 in)
- R. 99.0 mm (3.90 in)
- U. 1275 mm (5.02 in)
- X. 52.5 mm (2.07 in)
- AA. 892.0 mm (35.12 in)
- AD. 253.0 mm (9.96 in)
- AG. 247.0 mm (9.72 in)



AAZIA0730ZZ

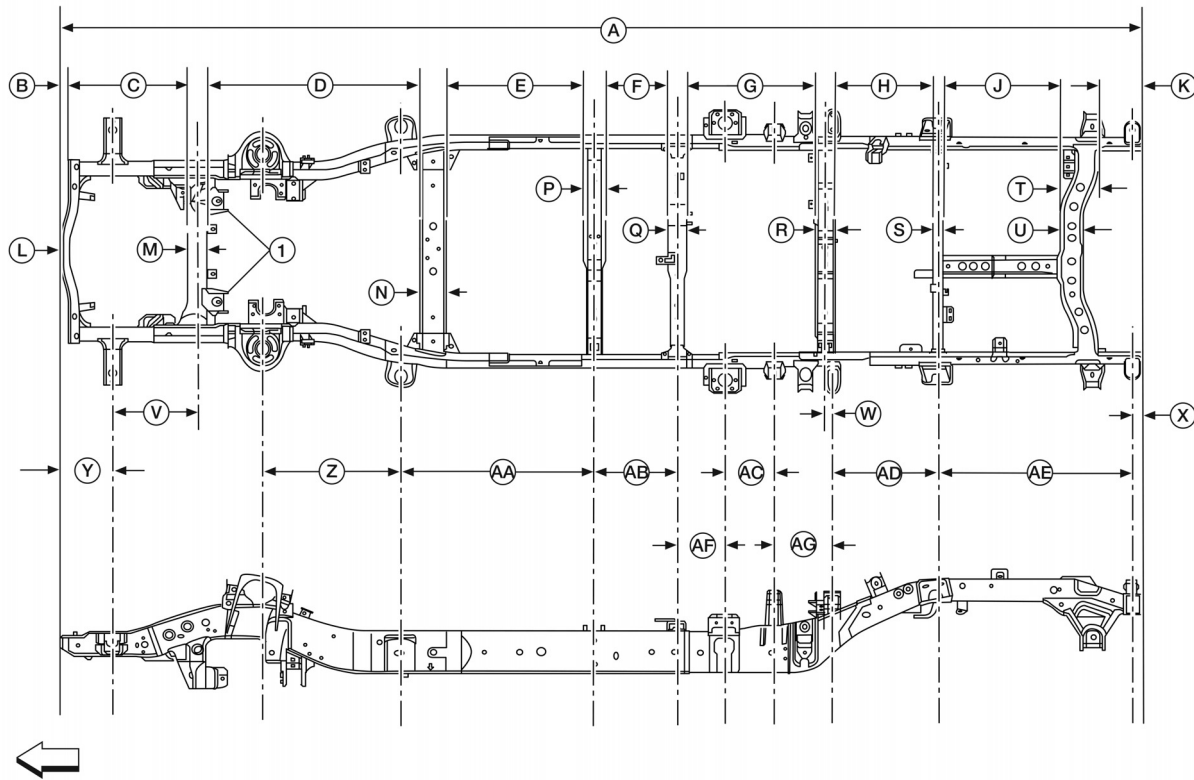
←: Front of vehicle.

- 1. 4WD only part
- B. 1,108.1 mm (43.62 in)
- E. 746.4 mm (29.39 in)
- H. 1,316.0 mm (51.81 in)
- L. 1,250.0 mm (49.21 in)
- P. 534.1 mm (21.03 in)
- S. 1,119.8 mm (44.09 in)
- V. 72.5 mm (2.85 in)
- Y. 70.0 mm (2.76 in)
- AB. 266.2 mm (10.48 in)
- AE. 418.4 mm (16.47 in)

- 2. 4WD only parts
- C. 777.4 mm (30.61 in)
- F. 1,246.5 mm (49.07 in)
- J. 1,059.0 mm (41.69 in)
- K. 1,308.0 mm (51.50 in)
- M. 1,364.0 mm (53.70 in)
- Q. 1,285.2 mm (50.60 in)
- T. 1,250.0 mm (49.21 in)
- W. 77.9 mm (3.07 in)
- Z. 62.1 mm (2.44 in)
- AC. 210.0 mm (8.27 in)
- AF. 110.0 mm (4.33 in)

- A. 1,253.0 mm (49.33 in)
- D. 1,006.9 mm (39.64 in)
- G. 1,199.0 mm (47.20 in)
- N. 114.9 mm (4.52 in)
- R. 1,043.0 mm (41.06 in)
- U. 394.1 mm (15.52 in)
- X. 73.7 mm (2.90 in)
- AA. 121.8 mm (4.80 in)
- AD. 306.0 mm (12.05 in)
- AG. 477.7 mm (18.81 in)

King Cab® Vehicles



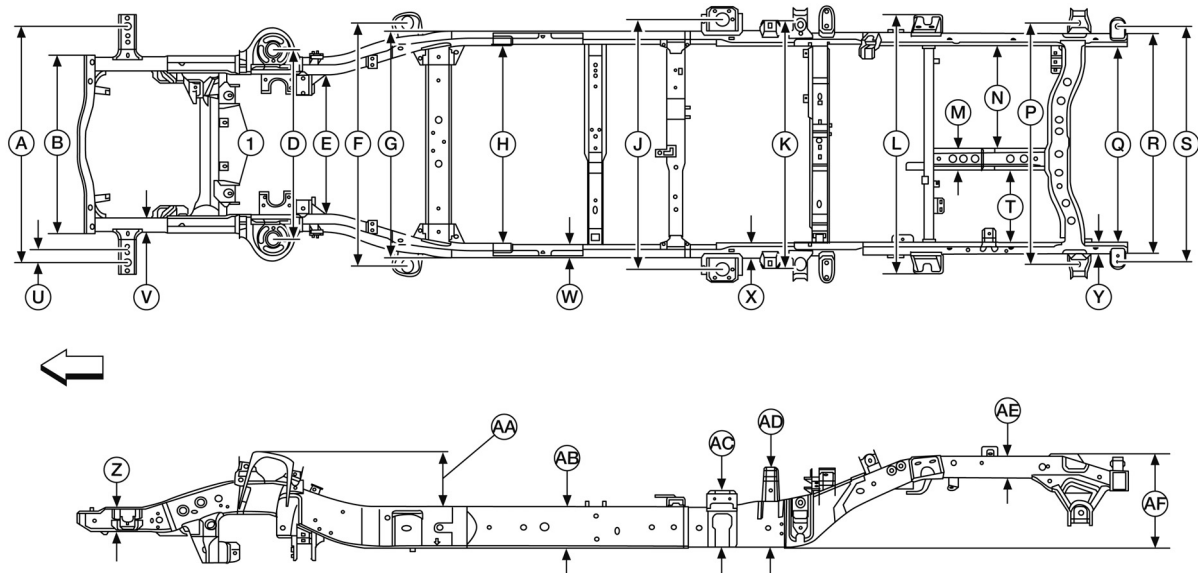
AAZIA0924ZZ

←: Front of vehicle.

- 1. 4WD only parts
- C. 601.1 mm (23.67 in)
- F. 322.0 mm (12.68 in)
- J. 592.5 mm (23.33 in)
- M. 111.7 mm (4.40 in)
- Q. 99.0 mm (3.90 in)
- T. 2075 mm (8.17 in)
- W. 39.0 mm (1.54 in)
- Z. 711.4 mm (28.01 in)
- AC. 253.0 mm (9.96 in)
- AF. 246.9 mm (9.72 in)

- A. 5,567.6 mm (219.20 in)
- D. 1,090.7 mm (42.94 in)
- E. 712.0 mm (28.03 in)
- F. 322.0 mm (12.68 in)
- G. 655.5 mm (25.81 in)
- K. 224.0 mm (8.82 in)
- N. 133.0 mm (5.24 in)
- R. 99.0 mm (3.90 in)
- U. 127.5 mm (5.02 in)
- X. 52.5 mm (2.07 in)
- AA. 997.0 mm (39.25 in)
- AD. 543.7 mm (21.41 in)
- AG. 300.0 mm (11.81 in)

- B. 45.0 mm (1.77 in)
- E. 712.0 mm (28.03 in)
- H. 500.9 mm (19.72 in)
- L. 41.0 mm (1.61 in)
- P. 107.0 mm (4.21 in)
- S. 55.7 mm (2.19 in)
- V. 432.3 mm (17.02 in)
- Y. 267.1 mm (10.52 in)
- AB. 425.1 mm (16.74 in)
- AE. 999.3 mm (39.34 in)



AAZIA0925ZZ

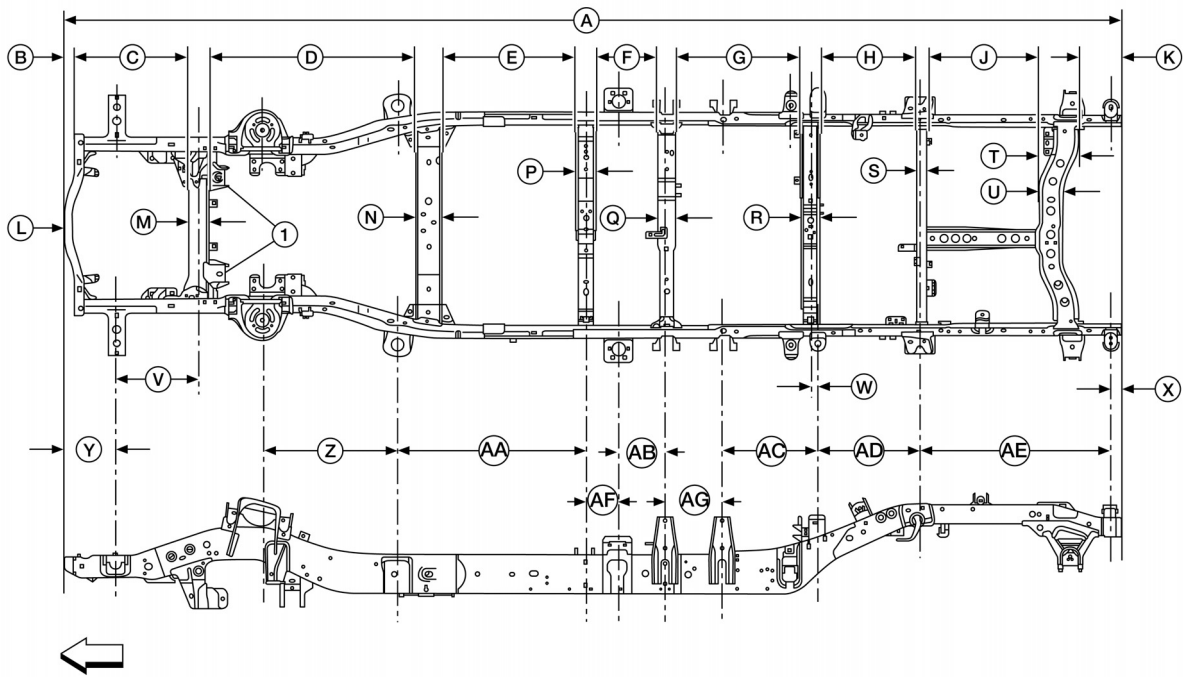
←: Front of vehicle.

- 1. 4WD only parts
- C. 777.4 mm (30.61 in)
- F. 1,246.5 mm (49.07 in)
- J. 1,308.0 mm (51.50 in)
- M. 114.9 mm (4.52 in)
- Q. 1,043.0 mm (41.06 in)
- T. 394.1 mm (15.52 in)
- W. 73.7 mm (2.90 in)
- Z. 121.8 mm (4.80 in)
- AC. 306.0 mm (12.05 in)
- AF. 477.7 mm (18.81 in)

- A. 1,253.0 mm (49.33 in)
- D. 1,006.9 mm (39.64 in)
- G. 1,199.0 mm (47.20 in)
- H. 1,059.0 mm (41.69 in)
- K. 1,325.0 mm (52.17 in)
- L. 1,364.0 mm (53.70 in)
- N. 534.1 mm (21.03 in)
- R. 1,119.8 mm (44.09 in)
- U. 72.5 mm (2.85 in)
- X. 70.0 mm (2.76 in)
- AA. 266.2 mm (10.48 in)
- AD. 418.4 mm (16.47 in)

- B. 1,108.1 mm (43.62 in)
- E. 746.4 mm (29.39 in)
- I. 1,059.0 mm (41.69 in)
- O. 1,285.2 mm (50.60 in)
- S. 1,250.0 mm (49.21 in)
- V. 77.9 mm (3.07 in)
- Y. 62.1 mm (2.44 in)
- AE. 110.0 mm (4.33 in)

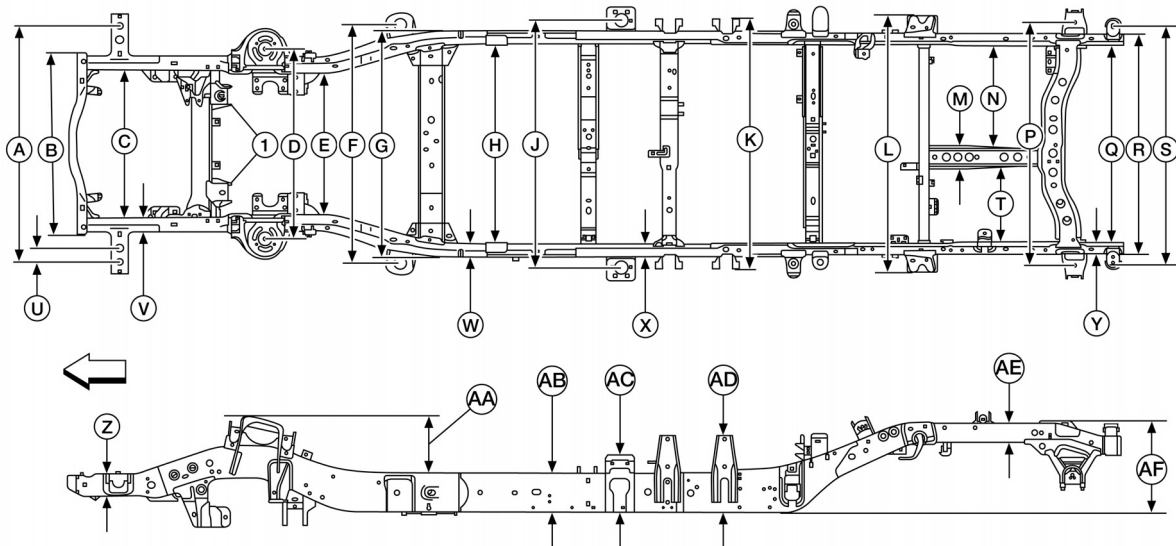
Single Cab Vehicles



AAZIA0790ZZ

←: Front of vehicle.

- | | | |
|-------------------------|---------------------------|-------------------------|
| 1. 4WD only parts | A. 5,567.6 mm (219.20 in) | B. 45.0 mm (1.77 in) |
| C. 601.1 mm (23.67 in) | D. 1,090.7 mm (42.94 in) | E. 713.0 mm (28.07 in) |
| F. 323.9 mm (12.75 in) | G. 661.8 mm (26.06 in) | H. 500.9 mm (19.72 in) |
| J. 592.5 mm (23.33 in) | K. 224.0 mm (8.82 in) | L. 41.0 mm (1.61 in) |
| M. 111.7 mm (4.40 in) | N. 133.0 mm (5.24 in) | P. 99.0 mm (3.90 in) |
| Q. 99.0 mm (3.90 in) | R. 99.0 mm (3.90 in) | S. 55.7 mm (2.19 in) |
| T. 2075 mm (8.17 in) | U. 1275 mm (5.02 in) | V. 432.3 mm (17.02 in) |
| W. 40.0 mm (1.57 in) | X. 52.5 mm (2.07 in) | Y. 2671 mm (10.52 in) |
| Z. 711.4 mm (28.01 in) | AA. 1,169.0 mm (46.02 in) | AB. 253.1 mm (9.96 in) |
| AC. 500.0 mm (19.68 in) | AD. 543.7 mm (21.41 in) | AE. 999.3 mm (39.34 in) |
| AF. 172.0 mm (6.77 in) | AG. 300.0 mm (11.81 in) | |



AAZIA0791ZZ

←: Front of vehicle.

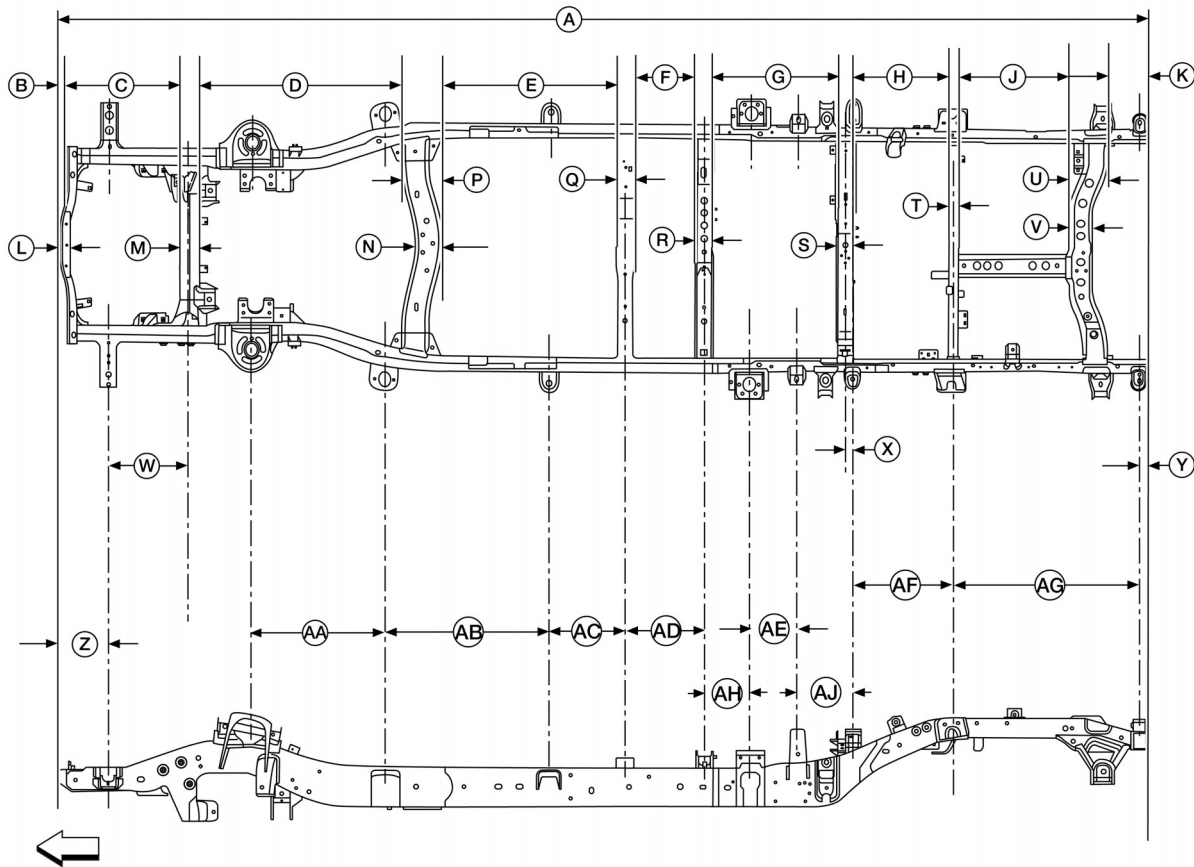
- 1. 4WD only parts
- C. 777.4 mm (30.61 in)
- F. 1,246.5 mm (49.07 in)
- J. 1,308.0 mm (51.50 in)
- M. 114.9 mm (4.52 in)
- Q. 1,043.0 mm (41.06 in)
- T. 394.1 mm (15.52 in)
- W. 73.7 mm (2.90 in)
- Z. 121.8 mm (4.80 in)
- AC. 306.0 mm (12.05 in)
- AF. 477.7 mm (18.81 in)

- A. 1,253.0 mm (49.33 in)
- D. 1,006.9 mm (39.64 in)
- G. 1,199.0 mm (47.20 in)
- H. 1,059.0 mm (41.69 in)
- K. 1,325.0 mm (52.17 in)
- L. 1,364.0 mm (53.70 in)
- N. 534.1 mm (21.03 in)
- P. 1,285.2 mm (50.60 in)
- R. 1,119.8 mm (44.09 in)
- S. 1,250.0 mm (49.21 in)
- U. 72.5 mm (2.85 in)
- X. 70.0 mm (2.76 in)
- AA. 266.2 mm (10.48 in)
- AD. 418.4 mm (16.47 in)

- B. 1,108.1 mm (43.62 in)
- E. 746.4 mm (29.39 in)
- I. 1,059.0 mm (41.69 in)
- O. 1,364.0 mm (53.70 in)
- T. 1,285.2 mm (50.60 in)
- V. 77.9 mm (3.07 in)
- Y. 62.1 mm (2.44 in)
- AB. 210.0 mm (8.27 in)
- AE. 110.0 mm (4.33 in)

Crossmember and Body Mount Dimensions (Starting with 2020 model year)

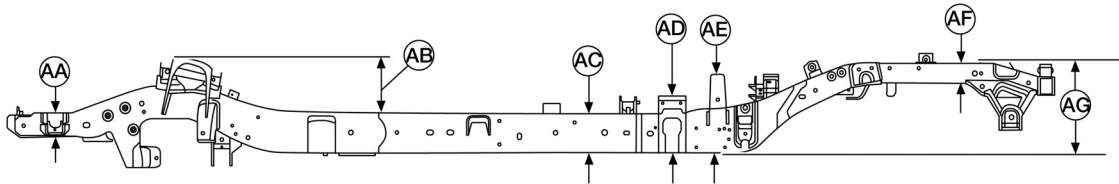
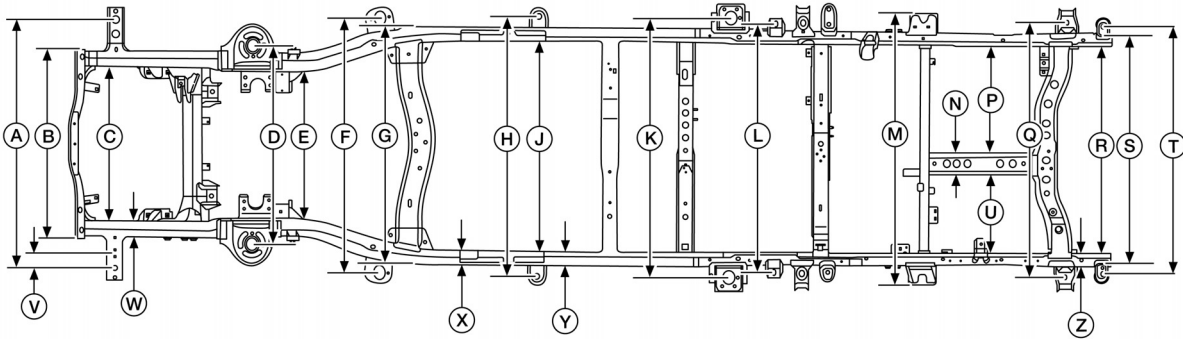
Crew Cab Vehicles



TGAAZIA0130ZZ

↔: Front of vehicle.

- | | | |
|---------------------------|-------------------------|-------------------------|
| A. 5,867.6 mm (231.01 in) | B. 45.0 mm (1.77 in) | C. 601.1 mm (23.67 in) |
| D. 1,090.7 mm (42.94 in) | E. 938.29 mm (36.94 in) | F. 326.0 mm (12.83 in) |
| G. 655.5 mm (25.81 in) | H. 500.9 mm (19.72 in) | J. 592.5 mm (23.33 in) |
| K. 224.0 mm (8.82 in) | L. 41.0 mm (1.61 in) | M. 111.7 mm (4.40 in) |
| N. 1472.6 mm (5.80 in) | P. 213.30 mm (8.40 in) | Q. 99.0 mm (3.90 in) |
| R. 79.0 mm (3.11 in) | S. 99.0 mm (3.90 in) | T. 55.7 mm (2.19 in) |
| U. 207.5 mm (8.17 in) | V. 127.5 mm (5.02 in) | W. 432.3 mm (17.02 in) |
| X. 40.0 mm (1.57 in) | Y. 52.5 mm (2.07 in) | Z. 267.1 mm (10.52 in) |
| AA. 711.4 mm (28.01 in) | AB. 892.0 mm (35.12 in) | AC. 405.1 mm (15.95 in) |
| AD. 424.9 mm (16.73 in) | AE. 253.0 mm (9.96 in) | AF. 543.7 mm (21.41 in) |
| AG. 999.3 mm (39.34 in) | AH. 2470 mm (9.72 in) | AJ. 300.0 mm (11.81 in) |



TGAAZIA0131ZZ

←: Front of vehicle.

- A. 1,253.0 mm (49.33 in)
- D. 1,006.9 mm (39.64 in)
- G. 1,199.0 mm (47.20 in)
- K. 1,308.0 mm (51.50 in)
- N. 114.9 mm (4.52 in)
- R. 1,043.0 mm (41.06 in)
- U. 394.1 mm (15.52 in)
- X. 73.7 mm (2.90 in)
- AA. 121.8 mm (4.80 in)
- AD. 306.0 mm (12.05 in)
- AG. 477.7 mm (18.81 in)

- B. 1,108.1 mm (43.62 in)
- E. 746.4 mm (29.39 in)
- H. 1,316.0 mm (51.81 in)
- L. 1,250.0 mm (49.21 in)
- P. 534.1 mm (21.03 in)
- S. 1,119.8 mm (44.09 in)
- Y. 70.0 mm (2.76 in)
- AB. 266.2 mm (10.48 in)
- AE. 418.4 mm (16.47 in)

- C. 777.4 mm (30.61 in)
- F. 1,246.5 mm (49.07 in)
- J. 1,059.0 mm (41.69 in)
- M. 1,364.0 mm (53.70 in)
- Q. 1,285.2 mm (50.60 in)
- T. 1,250.0 mm (49.21 in)
- W. 77.9 mm (3.07 in)
- Z. 62.1 mm (2.44 in)
- AC. 210.0 mm (8.27 in)
- AF. 110.0 mm (4.33 in)

ELECTRICAL

SELF-TEST MODE

This vehicle is capable of performing a function test of various systems on the vehicle.

To enter the Self-Test Mode

1. Close the hood and front door RH, and lift the wiper arms from the windshield (to prevent windshield damage due to wiper operation).

NOTE:

When this test mode is performed with hood opened, sprinkle water on windshield beforehand.

2. Ignition switch OFF.
3. Push the door switch at least 20 times within 20 seconds
4. Cycle the ignition switch ON→OFF→ON within 10 seconds.

When the vehicle in this Self-Test Mode the following devices on the vehicle will momentarily operate in the order shown to verify that the systems are functioning correctly.

- Horn
- Rear defogger
- Front wipers (HI, LO)
- Front fog lamps (if equipped)
- Tail, license, and parking lamps
- Headlamps (HI, LO)
- Air conditioner compressor (magnetic clutch)
- Engine cooling fan
- Oil pressure switch and lamp
- Alternator charge terminal and lamp
- Starter motor

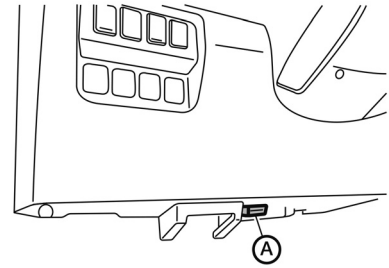
After the self-test has been completed (3 on/off cycles) the vehicle will be returned to normal operating mode.

NOTE:

Ignition switch OFF during the test will terminate the test early.

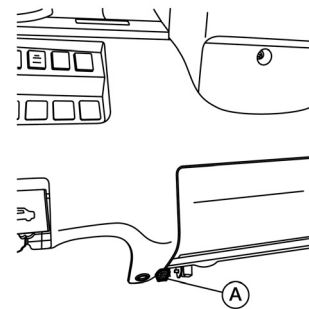
DATA LINK CONNECTOR LOCATION (FOR DIAGNOSTIC SCAN TOOL)**Consult Checking System**

Vehicle model years 2016-2019 are equipped with a data link connector (A) located underneath the lower left side of the instrument panel below the steering column.



TGAZIA0002ZZ

Starting with 2020 model year, vehicles are equipped with a data link connector (A) located underneath the lower left side of the instrument panel below the steering column.



TGAZIA0096ZZ

The vehicle is diagnosed using the CONSULT-III plus.

- When CONSULT is connected with a data link connector equipped on the vehicle side, it will communicate with the control unit equipped in the vehicle and then enable various kinds of diagnostic tests.
- Refer to CONSULT-III plus Operation Manual for more information.

SHIPPING (EXTENDED STORAGE) MODE CONTROL SYSTEMS

Determining Shipping (Extended Storage) Mode Status

1. Ignition switch ON.
2. Check that extended storage warning message is not displayed in instrument cluster or display after 20 seconds.

If the extended storage warning message is displayed in instrument cluster or display refer to [Canceling Extended Storage \(pg. 360\)](#)

SHIPPING MODE (EXTENDED) STORAGE SYSTEM CANCEL

Canceling Extended Storage

1. Ignition switch OFF.
2. Press in (turn off) the extended storage switch. Refer to [Extended Storage Switch \(pg. 360\)](#)

NOTE:

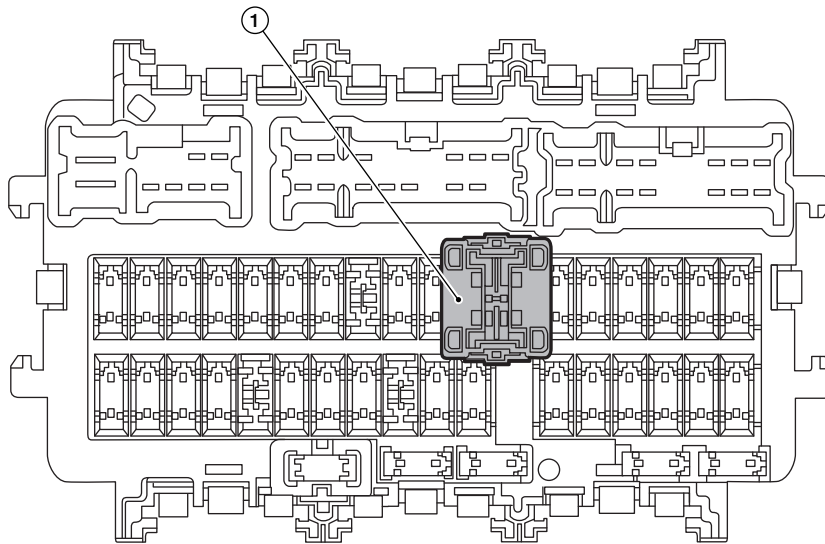
Pressing in the switch moves the mode from shipping to normal.

3. Ignition switch ON and wait at least 10 seconds.
4. Ignition switch OFF and wait at least 2 seconds.
5. Ignition switch ON.
6. Check that extended storage warning message is not displayed in the instrument cluster or display after 20 seconds.

Extended Storage Switch

The following switch is mounted on the fuse block (Junction Box) for transportation and storage.

The fuse block (Junction Box) is located in the glove box, refer to [Fuses and Relays - Interior \(pg. 378\)](#)



AAZIA0487ZZ

1. Extended storage switch

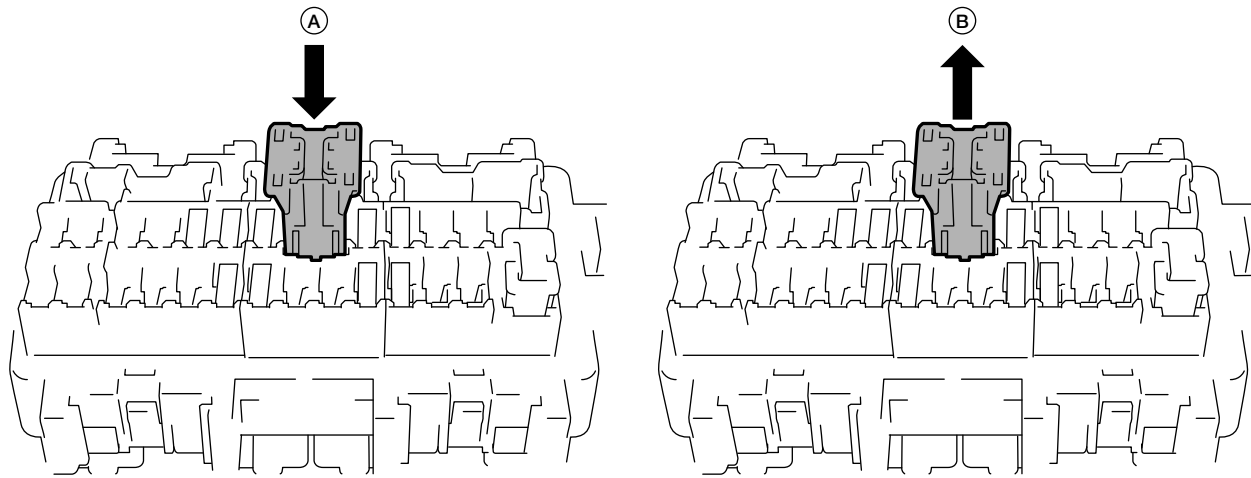
Remove the extended storage switch if it causes interference when checking fuses, refer to [How to remove the Extended Storage Switch \(pg. 361\)](#).

How to turn the Extended Storage Switch ON/OFF



CAUTION:

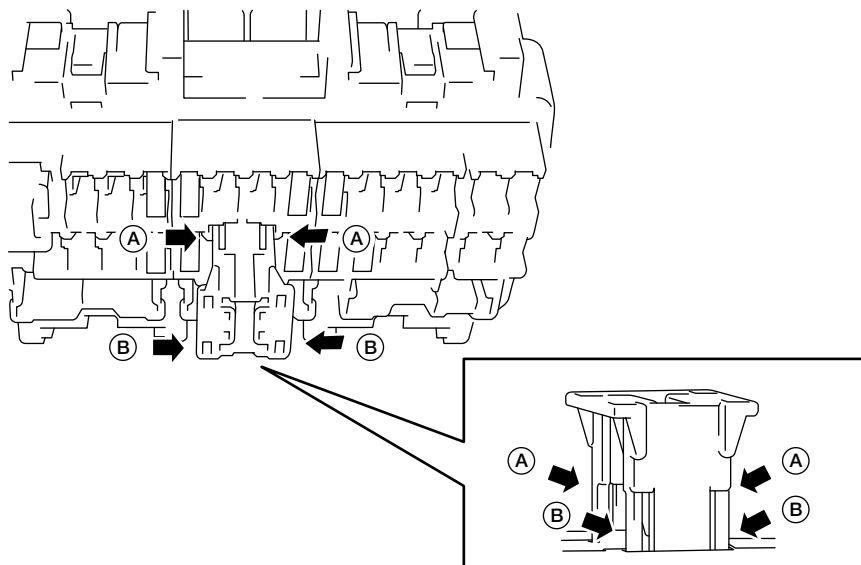
- Ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in OFF state. Never operate the extended storage switch except when necessary.



AAZIA0488ZZ

- To turn the extended storage switch ON, pull it up in direction B as shown in the figure.
- To turn the extended storage switch OFF, press it in direction A as shown in the figure.

How to remove the Extended Storage Switch



AAZIA0542ZZ

2. Turn the extended storage switch ON.
3. Pinch tabs A and tilt to disengage the extended storage switch. Pinch tabs B to remove the extended storage switch.



CAUTION:

For bus bar type extended storage switch, never replace bus bar with a fuse, or fuse may continually open.

NOTE:

- **Extended storage switch and fuse (or bus bar) are removed together. Remove fuse (or bus bar) from extended storage switch, if necessary.**
- **Install removed fuse (or bus bar) to fuse block.**
- **Extended storage switch is for transportation and storage. Reinstallation of switch is not required after removal, but fuse (or bus bar) must be reinstalled/pushed back in to activate all electrical systems and turn message off (which may be shown in meter/display).**

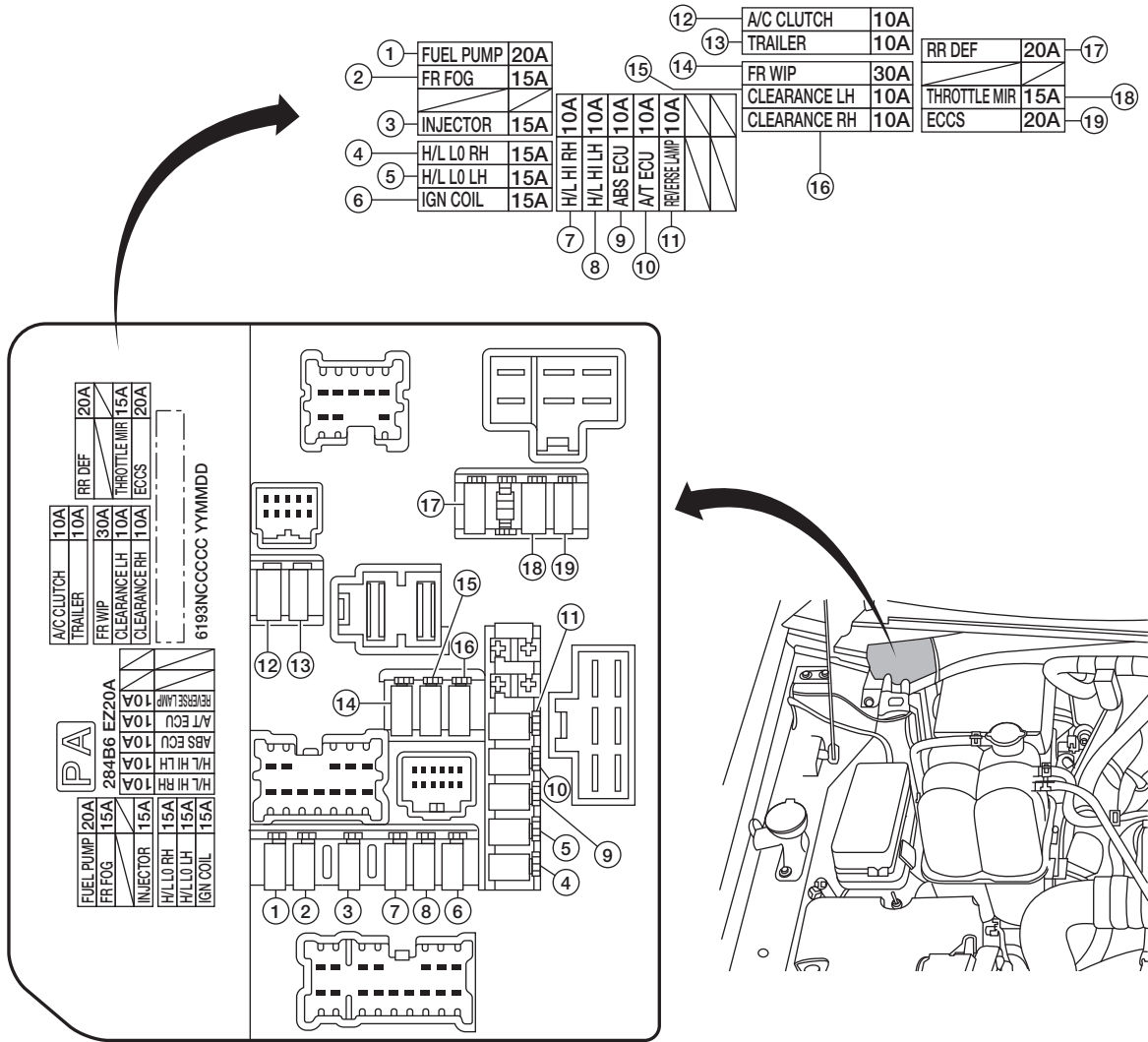
FUSE AND RELAY INFORMATION

Fuses and Relays — Engine Compartment (Cummins 5.0L) (2016-2019 Model Years)



WARNING:

This information is reference only. To avoid damage, modification of the vehicle's electrical systems is not recommended.



AAZIA0523ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Yellow	20A	Ignition	Fuel pump
2	Blue	15A	Battery	Front fog lamps

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
3	Blue	15A	Ignition	Fuel injector
4	Blue	15A	Battery	Headlamp low RH *2
5	Blue	15A	Battery	Headlamp low LH *2
6	Blue	15A	Ignition	Ignition power for engine control module
7	Red	10A	Battery	Headlamp high RH *1
8	Red	10A	Battery	Headlamp high LH *1
9	Red	10A	Ignition	ABS control unit
10	Red	10A	Ignition	AT control unit
11	Red	10A	Ignition	Reverse lamps
12	Red	10A	Battery	AC compressor clutch
13	Red	10A	Battery	Trailer tow
14	Green	30A	Battery	Front wiper
15	Red	10A	Battery	Clearance lamps LH, Tail *3
16	Red	10A	Battery	Clearance lamps RH, Tail *3
17	Yellow	20A	Battery	Rear defogger
18	Blue	15A	Battery	Throttle motor
19	Yellow	20A	Ignition	Engine control system

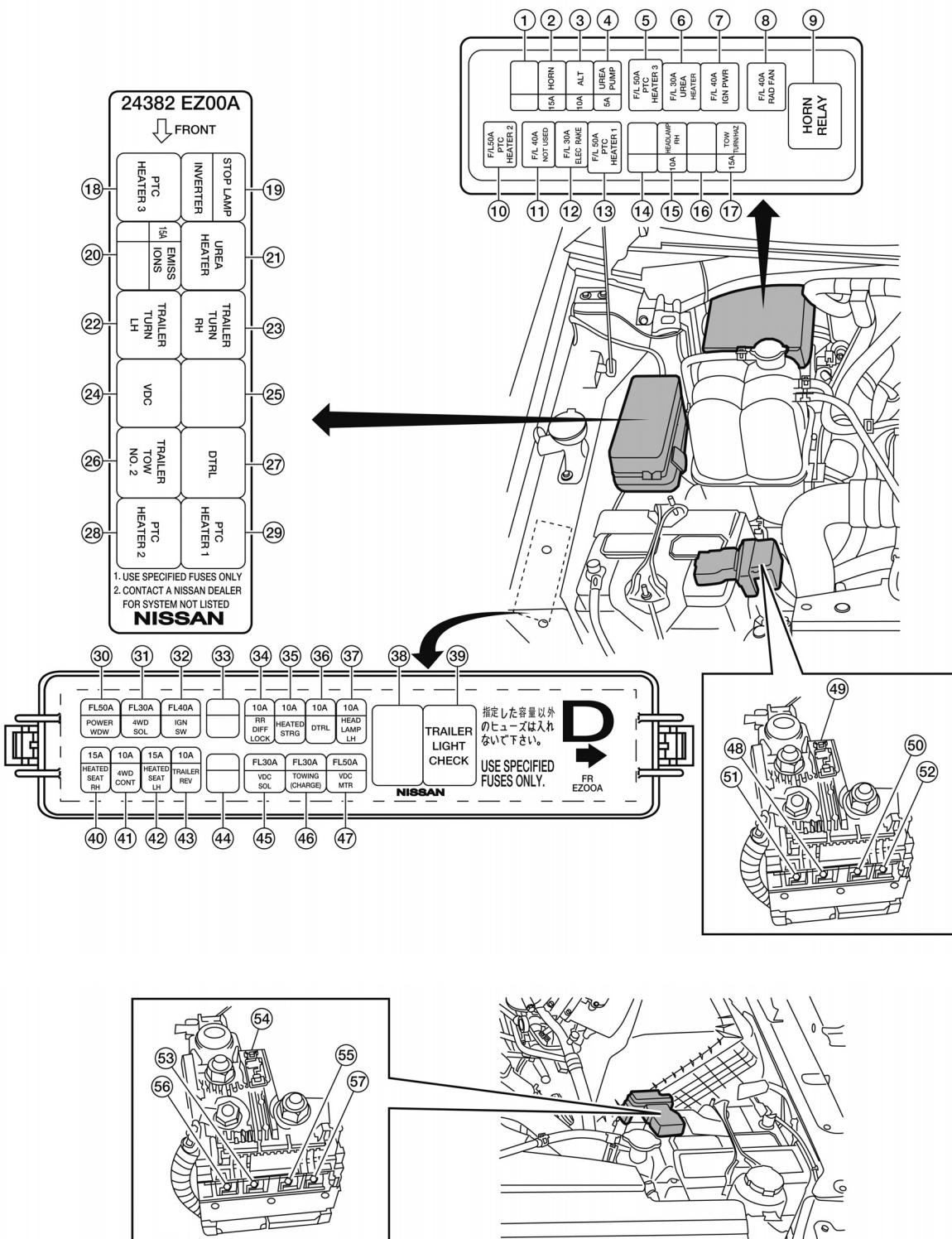
*1: With high beam headlamps ON.

*2: With halogen low beam headlamps ON (these fuses are not used with LED headlamps).

*3: With tail lamps ON.

FUSE AND RELAY INFORMATION

[ELECTRICAL]



AAZIA0967ZZ

AAZIA0968ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	—	—	—	Not used
2	Blue	15A	Battery	Horn
3	Red	10A	Battery	Charging system

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
4	Tan	5A	Battery	Diesel exhaust fluid pump
5	Red	50A	Battery	Cabin heating system
6	Green	30A	Battery	Diesel exhaust fluid heater
7	Orange	40A	Battery	Ignition power
8	Orange	40A	Battery	Engine cooling fan system
9	Black	—	—	Horn relay
10	Red	50A	Battery	Cabin heating system
11	Orange	40A	—	Not used
12	Green	30A	Battery	Electric brake (trailer tow)
13	Red	50A	Battery	Cabin heating system
14	—	—	—	Not used
15	Red	10A	Battery	Headlamp RH
16	—	—	—	Not used
17	Blue	15A	Battery	Turn signal control (trailer)
18	Black	—	—	Cabin heating system relay
19	Blue	—	—	Stop lamp/inverter relay
20	Blue	15A	Battery	Selective catalytic reduction system
21	Blue	—	—	Diesel exhaust fluid heater relay
22	Blue	—	—	Trailer turn LH relay
23	Blue	—	—	Trailer turn RH relay
24	Blue	—	—	Vehicle dynamic control relay
25	—	—	—	Not used
26	Brown	—	—	Trailer tow relay 2
27	Blue	—	—	Daytime running lights relay
28	Black	—	—	Cabin heating system relay
29	Black	—	—	Cabin heating system relay
30	Red	50A	Battery	Power window
31	Green	30A	Battery	4WD solenoid
32	Orange	40A	Battery	Ignition switch
33	—	—	—	Not used
34	Red	10A	Battery	Rear differential lock
35	Red	10A	Battery	Heated steering
36	Red	10A	Battery	Daytime running lights
37	Red	10A	Battery	Headlamp LH
38	—	—	—	Not used
39	—	—	—	Trailer light check relay
40	Blue	15A	Battery	Heated seat RH
41	Red	10A	Battery	4WD control
42	Blue	15A	Battery	Heated seat LH

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
43	Red	10A	Battery	Trailer reverse
44	—	—	—	Not used
45	Green	30A	Battery	Vehicle dynamic control solenoid
46	Green	30A	Battery	Towing (charge)
47	Red	50A	Battery	Vehicle dynamic control motor
48	Blue	60A	Battery	Inverter
49	—	250A	Battery	Alternator
50	Violet	100A	Battery	Exterior lighting systems, windshield wipers, trailer tow
51	Violet	100A	Battery	Engine control system
52	Violet	100A	Battery	Charging and body systems
53	Blue	60A	Battery	Glow plug control module
54	—	250A	Battery	Battery fuse terminal RH
55	Violet	100A	Battery	Chassis systems
56	Violet	100A	Battery	Tow hazard/turn, electric brake, PTC heater
57	Violet	100A	Battery	Body systems

FUSE AND RELAY INFORMATION

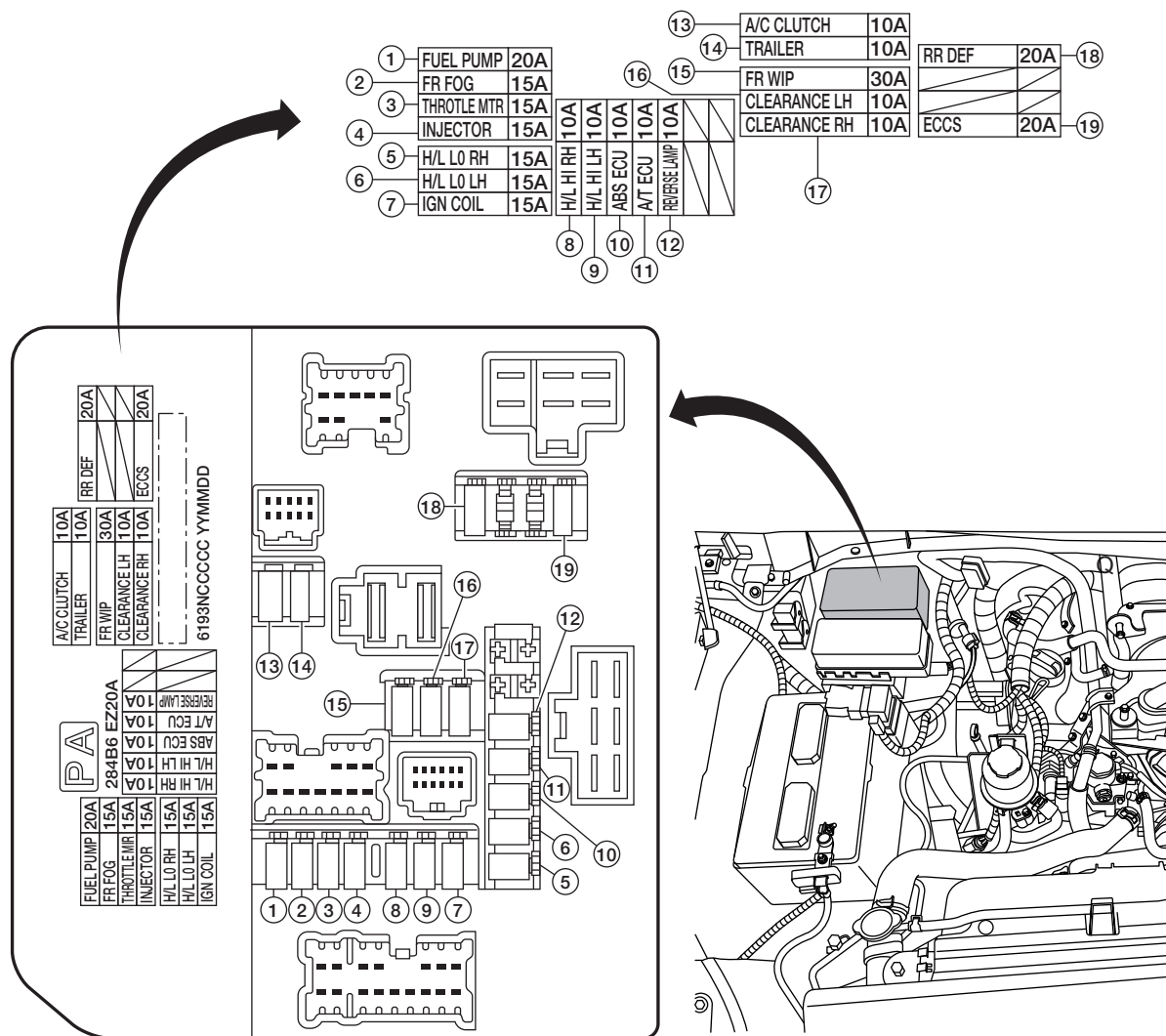
[ELECTRICAL]

Fuses and Relays — Engine Compartment (VK56VD [5.6L]) (2016-2019 Model Year)



WARNING:

This information is reference only. To avoid damage, modification of the vehicle's electrical systems is not recommended.



AAZIA0615ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Yellow	20A	Ignition	Fuel pump
2	Blue	15A	Battery	Front fog lamps
3	Blue	15A	Battery	Throttle motor
4	Blue	15A	Ignition	Fuel injector
5	Blue	15A	Battery	Headlamp low RH *2
6	Blue	15A	Battery	Headlamp low LH *2

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
7	Blue	15A	Ignition	Ignition power for engine control module
8	Red	10A	Battery	Headlamp high RH *1
9	Red	10A	Battery	Headlamp high LH *1
10	Red	10A	Ignition	ABS control unit
11	Red	10A	Ignition	AT control unit
12	Red	10A	Ignition	Reverse lamps
13	Red	10A	Battery	AC compressor clutch
14	Red	10A	Battery	Trailer tow
15	Green	30A	Battery	Front wiper
16	Red	10A	Battery	Clearance lamps LH, Tail *3
17	Red	10A	Battery	Clearance lamps RH, Tail *3
18	Yellow	20A	Battery	Rear defogger
19	Yellow	20A	Ignition	Engine control system

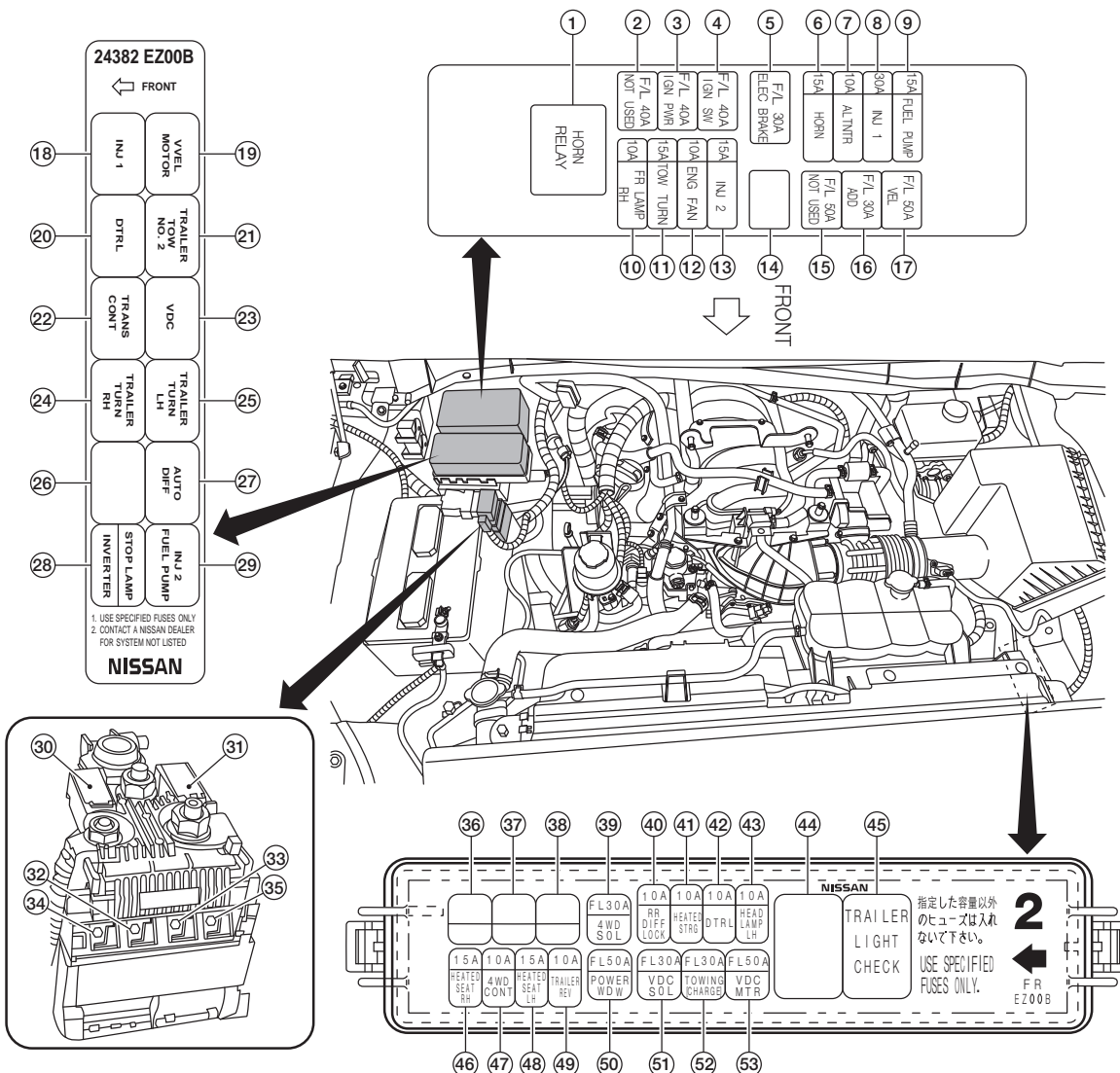
*1: With high beam headlamps ON.

*2: With halogen low beam headlamps ON (these fuses are not used with LED headlamps).

*3: With tail lamps ON.

FUSE AND RELAY INFORMATION

[ELECTRICAL]



AAZIA0616ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Black	—	—	Horn relay
2	—	40A	Battery	Not used
3	Orange	40A	Battery	Ignition power
4	Orange	40A	Battery	Ignition switch
5	Green	30A	Battery	Electric brake (trailer tow)
6	Blue	15A	Battery	Horn fuse
7	Red	50A	Battery	Charging system
8	Green	30A	Battery	Injector 1 fuse
9	Blue	15A	Battery	Fuel pump
10	Red	10A	Battery	Headlamp RH
11	Blue	15A	Battery	Turn signal control (trailer)

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
12	Red	10A	Battery	Engine cooling fan
13	Blue	15A	Battery	Injector 2 fuse
14	—	—	Battery	Not used
15	Red	50A	Battery	Not used
16	Green	30A	Battery	Front axle disconnect device
17	Red	50A	Battery	Variable engine valve timing control system
18	Blue	—	—	Injector 1 relay
19	Black	—	—	Variable engine valve timing control motor relay
20	Blue	—	—	Daytime running lamps relay
21	Brown	—	—	Trailer tow No. 2 relay
22	Blue	—	—	Transmission control relay
23	Blue	—	—	Vehicle dynamic control relay
24	Blue	—	—	Trailer tow RH relay
25	Blue	—	—	Trailer tow LH relay
26	—	—	—	Not used
27	Blue	—	—	Auto differential relay
28	Brown	—	—	Stop lamp/inverter relay
29	Black	—	—	Injector 2 and fuel pump relay
30	Violet	100A	Battery	Body system
31	—	250A	Battery	Alternator
32	Violet	100A	Battery	Chassis system
33	Clear	80	Battery	Exterior lighting systems, windshield wipers, air conditioner
34	Blue	60A	Battery	Engine controls
35	Violet	100A	Battery	Trailer brake, trailer turn and hazard lamps, engine control.
36	—	—	—	Not used
37	—	—	—	Not used
38	—	—	—	Not used
39	Green	30A	Battery	4WD solenoid
40	Red	10A	Battery	Rear differential lock
41	Red	10A	Battery	Heated steering
42	Red	10A	Battery	Daytime running lamps relay
43	Red	10A	Battery	Headlamp LH
44	—	—	—	Not used
45	Green	30A	Battery	Trailer light check relay
46	Blue	15A	Battery	Heated seat RH
47	Red	10A	Battery	4WD control

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
48	Blue	15A	Battery	Heated seat LH
49	Red	10A	Battery	Trailer reverse
50	Red	50A	Battery	Power window
51	Green	30A	Battery	Vehicle dynamic control solenoid
52	Green	30A	Battery	Towing Charge
53	Red	50A	Battery	Vehicle dynamic control motor

FUSE AND RELAY INFORMATION

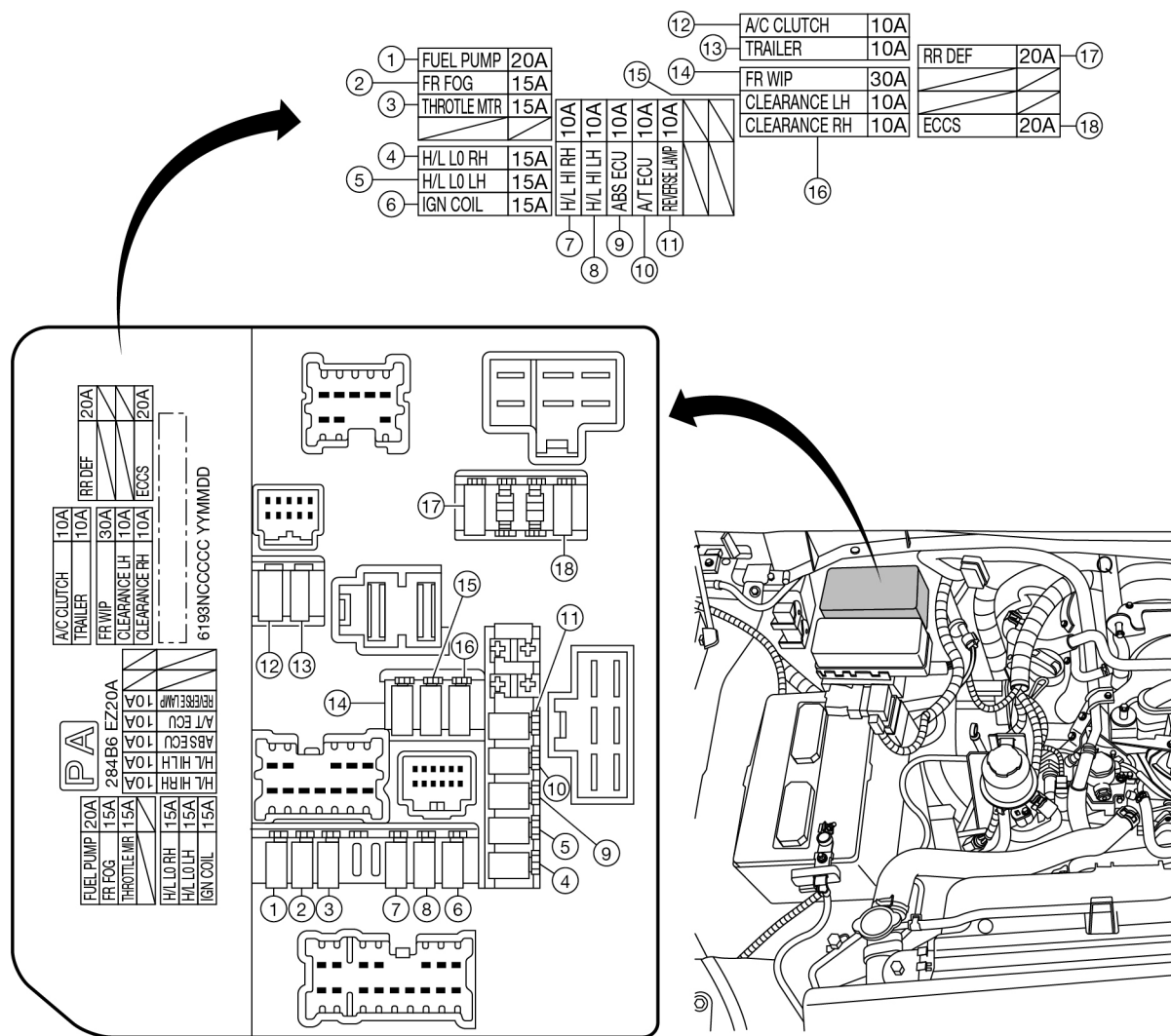
[ELECTRICAL]

Fuses and Relays – Engine Compartment (VK56VD [5.6L]) (Starting with 2020 model year)



WARNING:

This information is reference only. To avoid damage, modification of the vehicle's electrical systems is not recommended.



TGAAZIA0153ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Yellow	20A	Ignition	Fuel pump
2	Blue	15A	Battery	Front fog lamps
3	Blue	15A	Battery	Throttle motor
4	Blue	15A	Battery	Headlamp low RH *2
5	Blue	15A	Battery	Headlamp low LH *2
6	Blue	15A	Ignition	Ignition power for engine control module

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
7	Red	10A	Battery	Headlamp high RH *1
8	Red	10A	Battery	Headlamp high LH *1
9	Red	10A	Ignition	ABS control unit
10	Red	10A	Ignition	AT control unit
11	Red	10A	Ignition	Reverse lamps
12	Red	10A	Battery	AC compressor clutch
13	Red	10A	Battery	Trailer tow
14	Green	30A	Battery	Front wiper
15	Red	10A	Battery	Clearance lamps LH, Tail *3
16	Red	10A	Battery	Clearance lamps RH, Tail *3
17	Yellow	20A	Battery	Rear defogger
18	Yellow	20A	Ignition	Engine control system

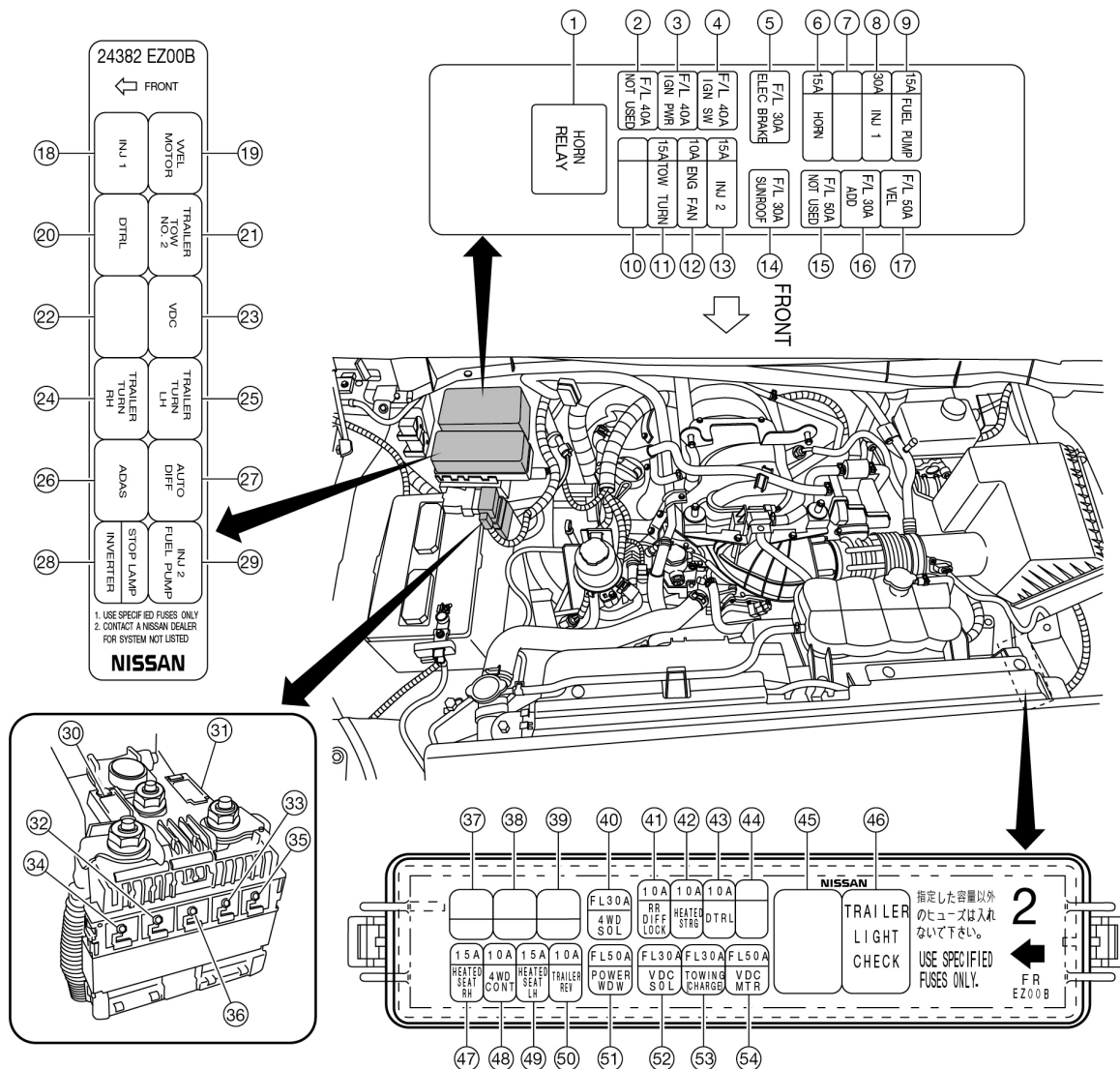
*1: With high beam headlamps ON.

*2: With halogen low beam headlamps ON (these fuses are not used with LED headlamps).

*3: With tail lamps ON.

FUSE AND RELAY INFORMATION

[ELECTRICAL]



TGAAZIA0166ZZ

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Black	—	—	Horn relay
2	—	40A	Battery	Not used
3	Orange	40A	Battery	Ignition power
4	Orange	40A	Battery	Ignition switch
5	Green	30A	Battery	Electric brake (trailer tow)
6	Blue	15A	Battery	Horn fuse
7	—	—	Battery	Not used
8	Green	30A	Battery	Injector 1 fuse
9	Blue	15A	Battery	Fuel pump
10	—	—	—	Not used
11	Blue	15A	Battery	Turn signal control (trailer)

FUSE AND RELAY INFORMATION

[ELECTRICAL]

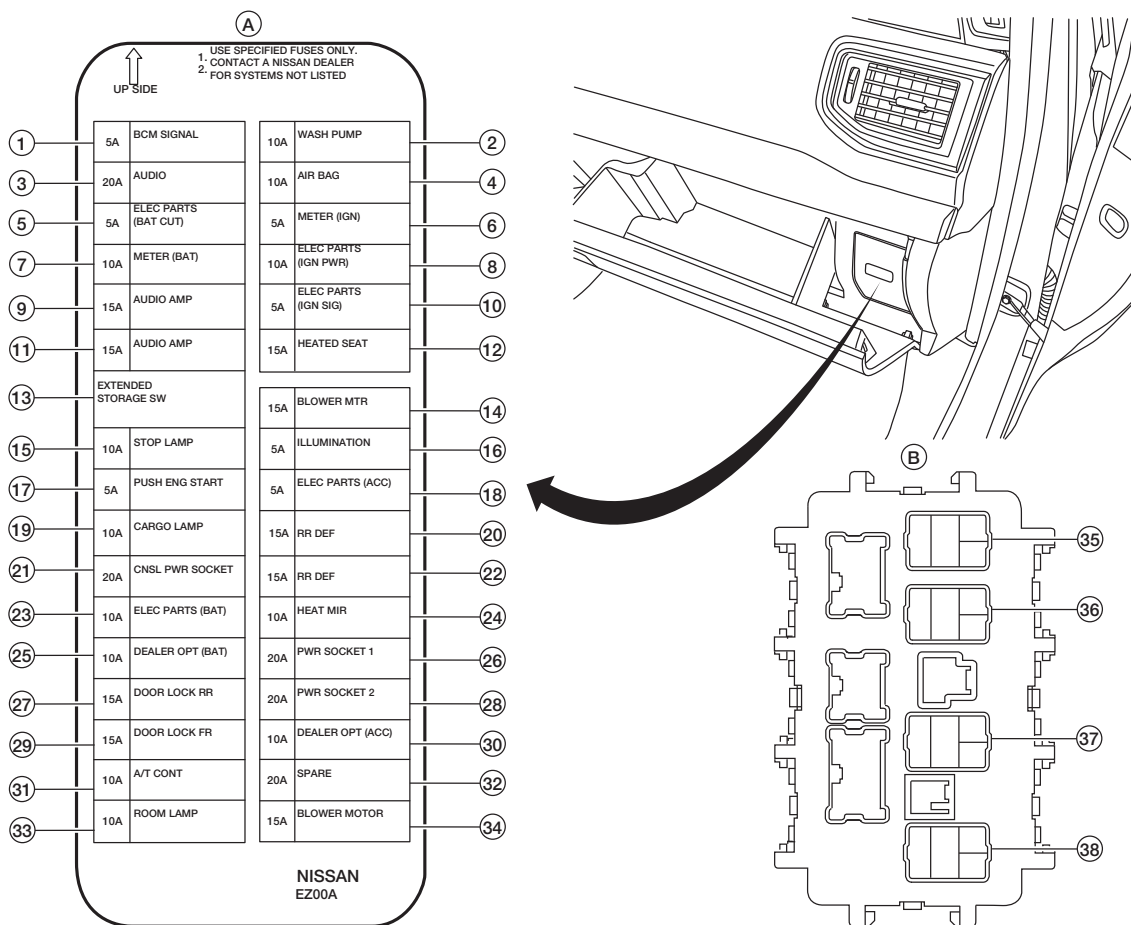
Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
12	Red	10A	Battery	Engine cooling fan
13	Blue	15A	Battery	Injector 2 fuse
14	Green	30A	Battery	Moonroof
15	Red	50A	Battery	Not used
16	Green	30A	Battery	Front axle disconnect device
17	Red	50A	Battery	Variable engine valve timing control system
18	Blue	—	—	Injector 1 relay
19	Black	—	—	Variable engine valve timing control motor relay
20	Blue	—	—	Daytime running lamps relay
21	Brown	—	—	Trailer tow No. 2 relay
22	—	—	—	Not used
23	Blue	—	—	Vehicle dynamic control relay
24	Blue	—	—	Trailer tow RH relay
25	Blue	—	—	Trailer tow LH relay
26	Blue	—	—	Advanced driver assistance system relay
27	Blue	—	—	Auto differential relay
28	Brown	—	—	Stop lamp/inverter relay
29	Black	—	—	Injector 2 and fuel pump relay
30	—	100A	Battery	Body system
31	—	450A	Battery	Alternator
32	—	80A	Battery	Transfer control unit, body control module, ABS actuator and electric unit.
33	—	80A	Battery	Exterior lights, wiper, trailer tow
34	—	80A	Battery	Ignition
35	—	80A	Battery	Moonroof, hazard lamps, engine control.
36	—	100A	Battery	Automatic transmission device
37	—	—	—	Not used
38	—	—	—	Not used
39	—	—	—	Not used
40	Green	30A	Battery	4WD solenoid
41	Red	10A	Battery	Rear differential lock
42	Red	10A	Battery	Heated steering
43	Red	10A	Battery	Daytime running lamps relay
44	—	—	—	Not used
45	—	—	—	Not used
46	Green	—	Battery	Trailer light check relay
47	Blue	15A	Battery	Heated seat RH
48	Red	10A	Battery	4WD control

FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
49	Blue	15A	Battery	Heated seat LH
50	Red	10A	Battery	Trailer reverse
51	Red	50A	Battery	Power window
52	Green	30A	Battery	Vehicle dynamic control solenoid
53	Green	30A	Battery	Towing Charge
54	Red	50A	Battery	Vehicle dynamic control motor

Fuses and Relays – Interior



AAZIA0526ZZ

A: Fuse block label (located on cover) B: Rear view of fuse block

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Tan	5A	Battery	Body control module signal
2	Red	10A	Ignition	Windshield washer pump
3	Yellow	20A	Battery	Audio
4	Red	10A	Ignition	Air bag
5	Tan	5A	Battery	Electric parts (battery cut)
6	Tan	5A	Ignition	Meter
7	Red	10A	Battery	Meter (battery)
8	Red	10A	Ignition	Electric parts (ignition power)
9	Blue	15A	Battery	Audio amplifier
10	Tan	5A	Ignition	Electric parts (ignition signal)
11	Blue	15A	Battery	Audio amplifier
12	Blue	15A	Ignition	Heated seats
13	—	—	—	Extended storage switch

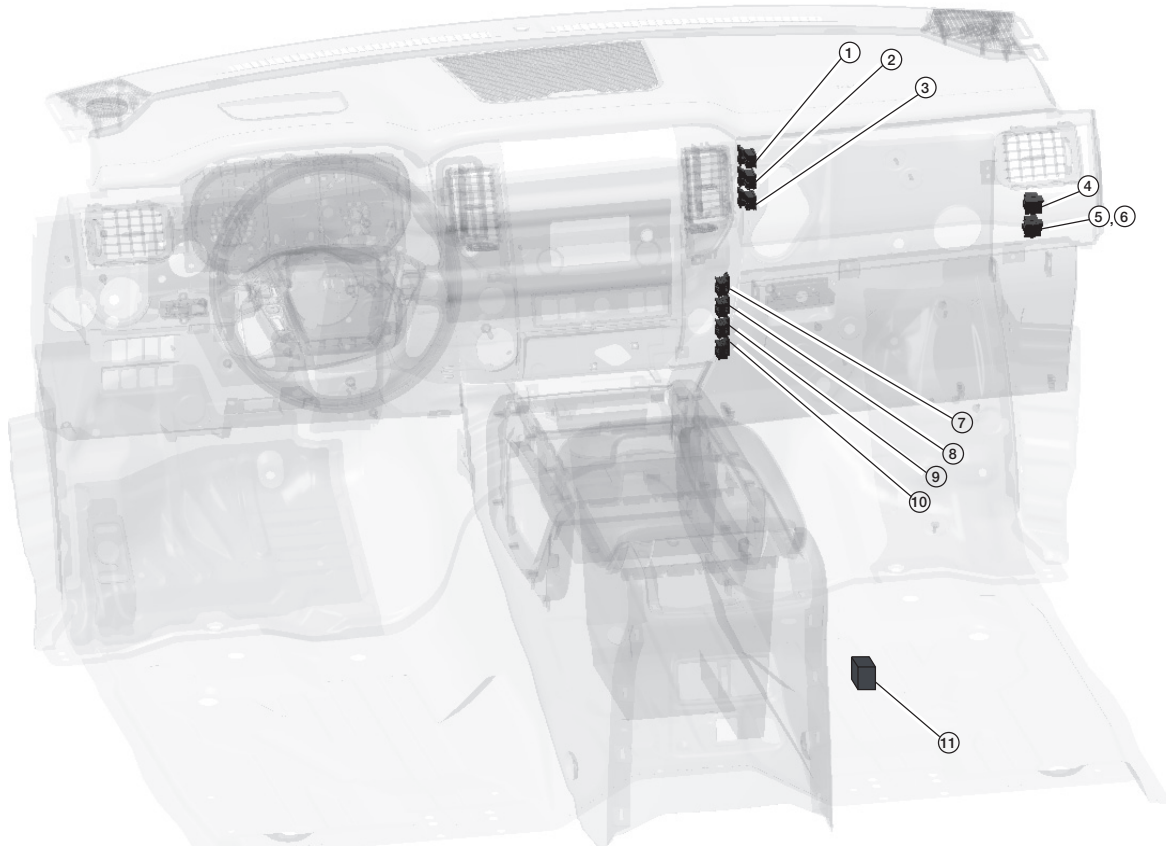
FUSE AND RELAY INFORMATION

[ELECTRICAL]

Item	Fuse/ Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
14	Blue	15A	Ignition	Blower motor
15	Red	10A	Battery	Stop lamp
16	Tan	5A	Ignition	Illumination
17	Tan	5A	Battery	Push-button ignition
18	Tan	5A	Accessory	Electric parts (accessories)
19	Red	10A	Battery	Cargo lamps
20	Blue	15A	Ignition	Rear defogger
21	Yellow	20A	Battery	Console power socket
22	Blue	15A	Ignition	Rear defogger
23	Red	10A	Battery	Electric parts (battery)
24	Red	10A	Ignition	Heated mirror
25	Red	10A	Battery	Dealer option
26	Yellow	20A	Accessory	Power socket (near USB and AUX socket)
27	Blue	15A	Battery	Door lock rear
28	Yellow	20A	Accessory	Power socket 2 (under center-right vent)
29	Blue	15A	Battery	Door lock front
30	Red	10A	Accessory	Dealer option (accessory) (through 2018 model year); Rear USB charge ports (starting with 2019 model year)
31	Red	10A	Battery	A/T control
32	Yellow	20A	Accessory	Spare
33	Red	10A	Battery	Room lamp
34	Blue	15A	Ignition	Blower motor
35	Black	—	—	Accessory relay
36	Black	—	—	Rear defogger relay
37	Black	—	—	Blower motor relay
38	Black	—	—	Ignition relay

FUSE AND RELAY INFORMATION

[ELECTRICAL]



AAZIA0568ZZ

Center console available on crew cab and King Cab® only.

Item	Fuse/Relay Color	Fuse Rating	Power Supply Condition	Fuse/Relay Name
1	Blue	—	Ignition	Console power socket relay
2	Black	—	Ignition	Rear power slide glass close relay
3	Black	—	Ignition	Rear power slide glass open relay
4	Brown	—	Ignition	Back up lamp relay
5	Brown	—	Ignition	Heated seat relay
6	Brown	—	Ignition	Climate controlled seat relay
7	Blue	—	Ignition	Cargo lamp relay
8	Blue	—	Accessory	Trailer tow relay 1
9	Blue	—	Ignition	Accessory relay 2
10	Blue	—	Battery	Heated steering wheel relay
11	Tan	5A	Battery	Headrest DVD entertainment system (crew cab only)

GROUNDS

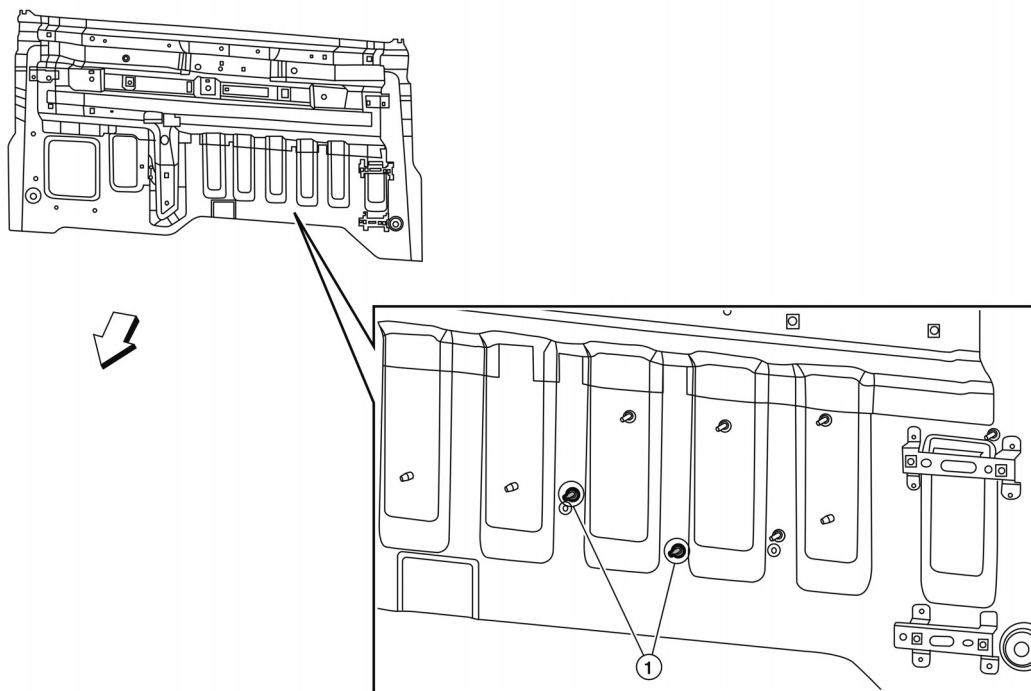
Grounds

 **CAUTION:**

- Do not ground accessories directly to the battery negative terminal on any Nissan vehicle. Doing so may interfere with the power generation voltage variable control system and cause poor or inoperative battery charging.
- Install electrical accessories using suitable body ground connections or ground to the engine block area. Refer to **BATTERY VOLTAGE CONTROL SYSTEM (pg. 383)** in this section.

It is the responsibility of the vehicle upfitter to install any grounds necessary for equipment from aftermarket or second stage equipment manufacturers. Nissan factory grounds should not be altered.

Permissible Ground Locations (located inside back wall of cab)



AAZIA0807ZZ

: Front of vehicle

1. Weld studs not currently used

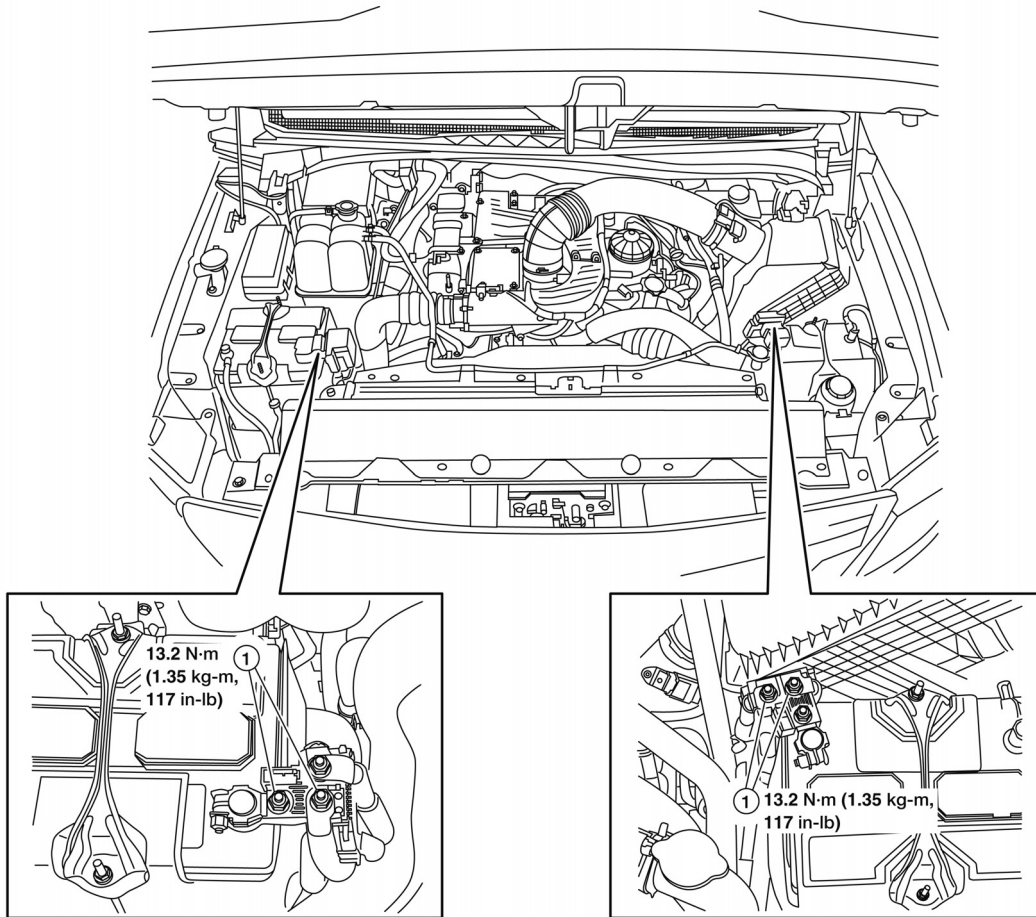
View of cab rear panel with interior trim removed.

Remove all paint from studs and use dielectric grease to fasten additional grounds.

BATTERY VOLTAGE CONNECTION (DIESEL) (2016-2019 Model Years)

NOTE:

Ignition switch OFF. Wait at least 2 minutes before removing the 12V battery terminal to avoid setting any DTCs.



AAZIA0433GB

1. Battery fusible link terminal nuts

BATTERY VOLTAGE CONTROL SYSTEM (GASOLINE)**CAUTION:**

- **Do not ground accessories directly to the battery negative terminal on any Nissan vehicle. Doing so may interfere with the power generation voltage variable control system and cause poor or inoperative battery charging.**
- **Install electrical accessories using suitable body ground connections or ground to the engine block area.**
- **Use electrical accessories with the engine running to avoid discharging the vehicle battery.**

**CAUTION:****Starting with 2020 model year:**

- **To avoid the risk of minor injury or property damage:**
 - **If the 12-volt battery has low or no voltage, the transmission cannot be shifted. Replace the battery or repair the damaged power supply system. If towing the vehicle, follow the tow procedure in the service manual.**

Adding electrical devices puts more load on the electrical system and the battery. The engine control module (ECM) monitors battery voltage. If battery voltage drops below 12 volts, engine RPM is increased up to 800 RPM (maximum for Park, Neutral and Drive when the engine is at normal operating temperature). Excessive increase in current load may cause the battery to remain in a discharging state even with increased engine idle RPM. RPM will decrease as battery voltage increases. Engine RPM changes are gradually ramped up and down by ECM control.

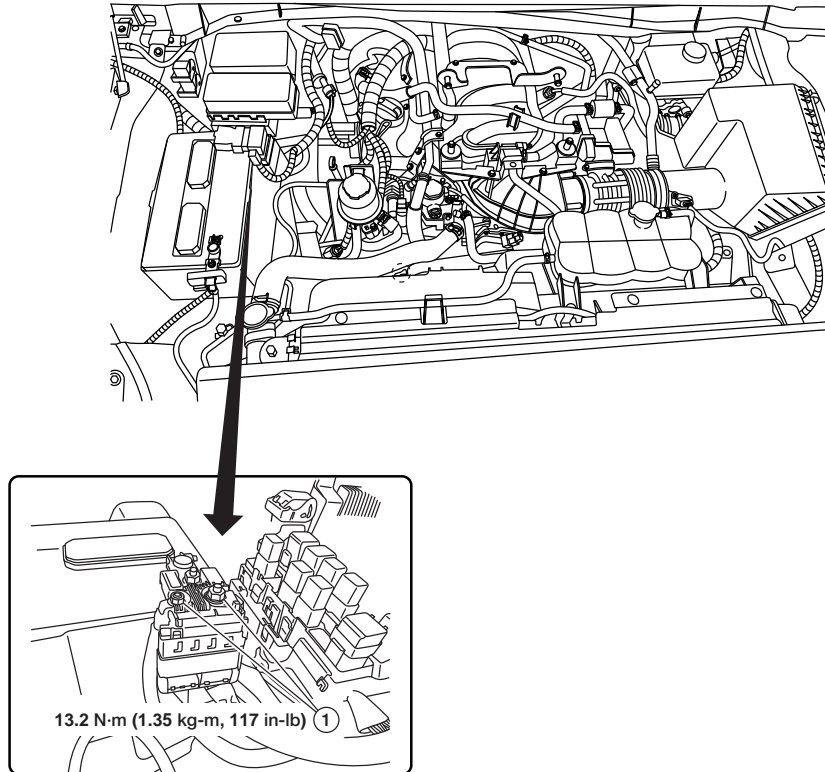
For battery specifications, refer to [BATTERY \(pg. 590\)](#) in the Specifications section.

For ground connection information, refer to [GROUNDS \(pg. 381\)](#) in this section.

BATTERY VOLTAGE CONNECTION (GASOLINE)

NOTE:

Ignition switch OFF. Wait at least 2 minutes before removing the 12V battery terminal to avoid setting any DTCs.

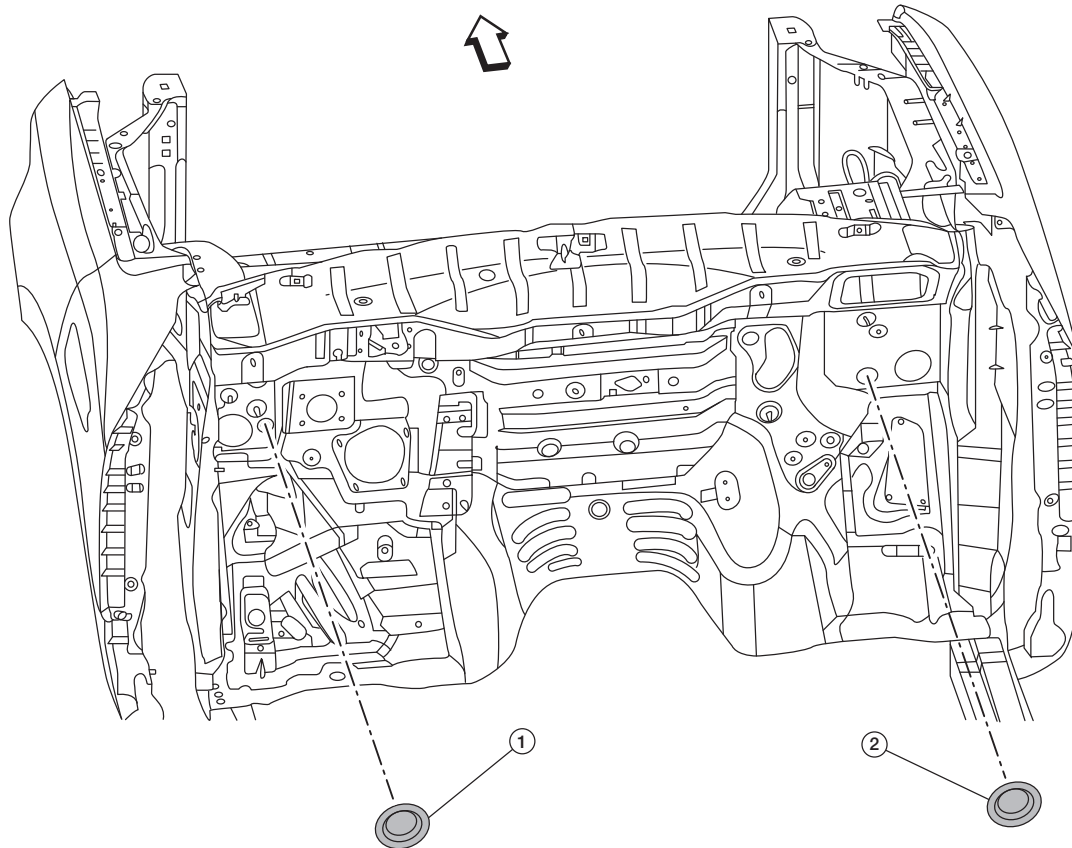


AAZIA400GB

1. Battery fusible link terminal nuts

View with engine cover removed

UPFITTER WIRING PASS-THROUGH



AAZIA0531ZZ

↖: Front of vehicle.

1: Driver pass-through grommet

2: Passenger pass-through grommet

Two additional wiring grommets are provided in the bulkhead between the engine and passenger compartments. The driver side pass-through grommet is located above the hood release cable pass-through. The passenger side pass-through grommet is located approximately 200 mm (7.9 in.) to the right of the lower edge of the HVAC pass-through. These pass-throughs are provided to allow easy connection of auxiliary equipment.

To pass a wire or harness through one of these grommets, cut a hole in the grommet just large enough to pass the wire or harness through it. To avoid water intrusion into the passenger compartment, always run the wire or harness down first and then back up to the grommet (forming a "U"-shape drip loop) before passing it through the engine side of the grommet and into the passenger compartment. In addition, apply RTV silicone to reseal the grommet rubber around the wire or harness. This will ensure that any water accumulating on the wire or harness in the engine compartment will not seep into the vehicle's cabin.

**CAUTION:**

To prevent water intrusion and possible vehicle damage:

- Use RTV silicone to properly seal grommets if they are cut.
- Ensure a drip loop is used when passing accessory harness or wiring through either grommet.

NOTE:

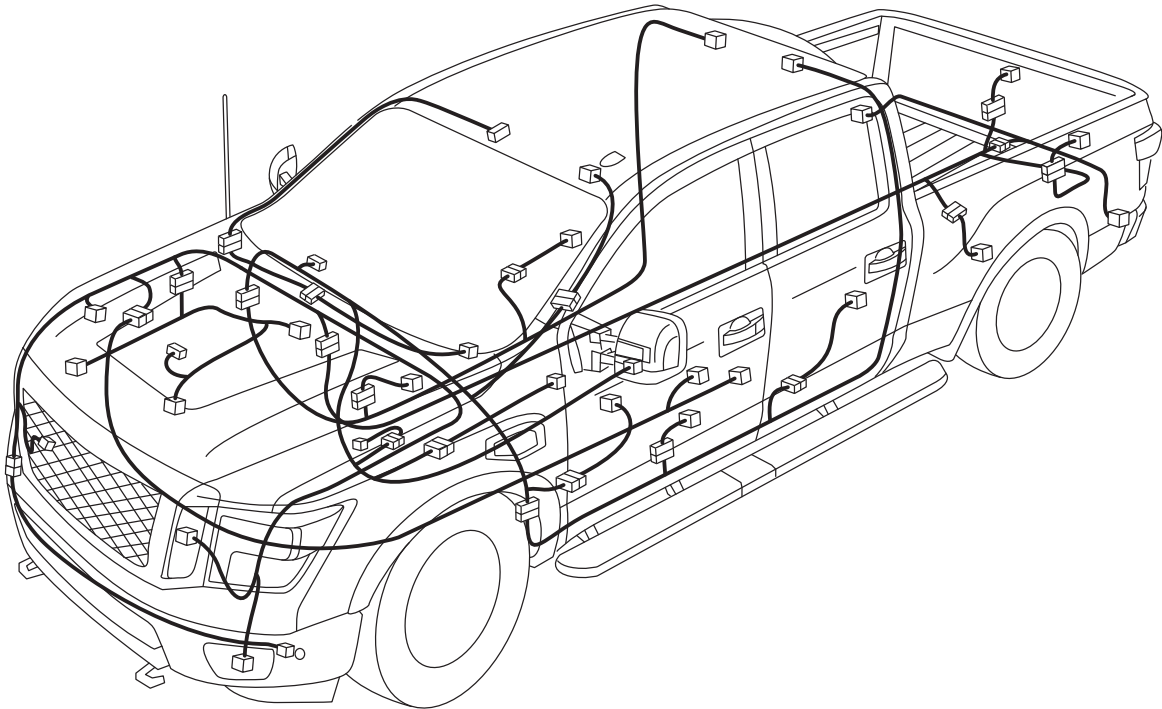
Both grommets are located behind the sound deadener pad.

HARNESS LAYOUT (2016-2019 Model Years)

Harness Outline — Crew Cab

NOTE:

The harness outline shows all harnesses on the vehicle. The following pages show the harnesses that are fully or partially obstructed from view by sheet metal, trim, etc. Use care when working around harnesses to avoid vehicle damage.

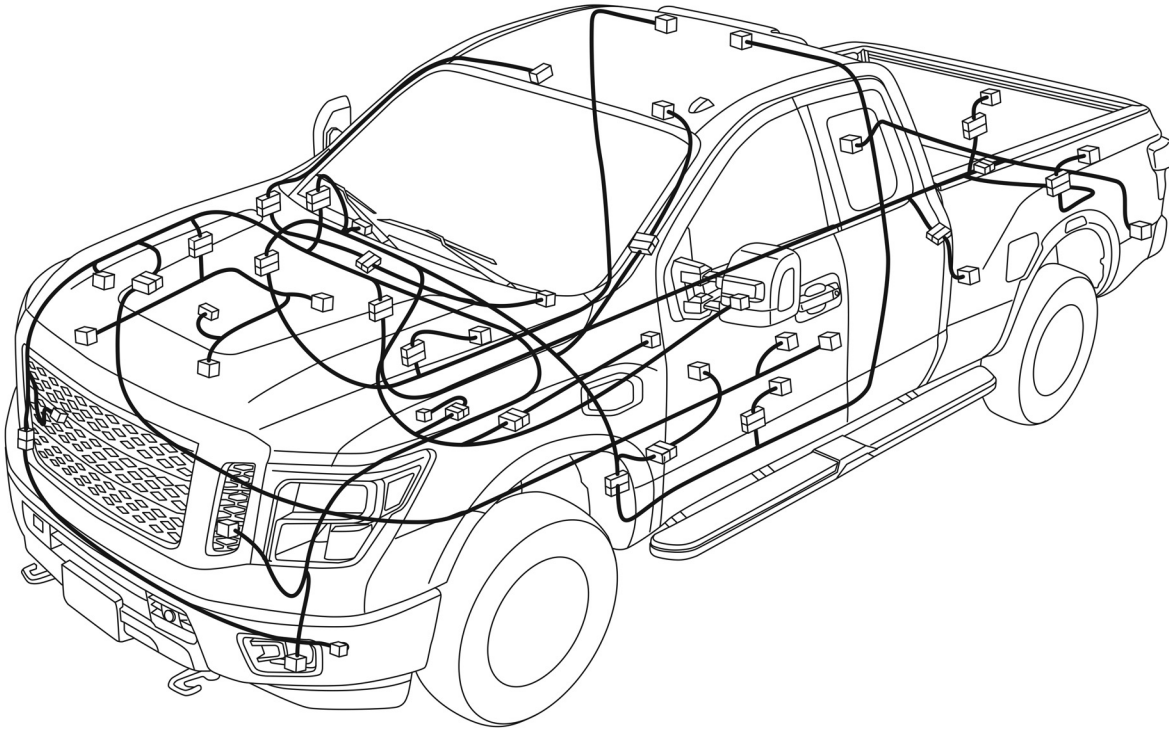


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Harness Outline – King Cab®

NOTE:

The harness outline shows all harnesses on the vehicle. The following pages show the harnesses that are fully or partially obstructed from view by sheet metal, trim, etc. Use care when working around harnesses to avoid vehicle damage.

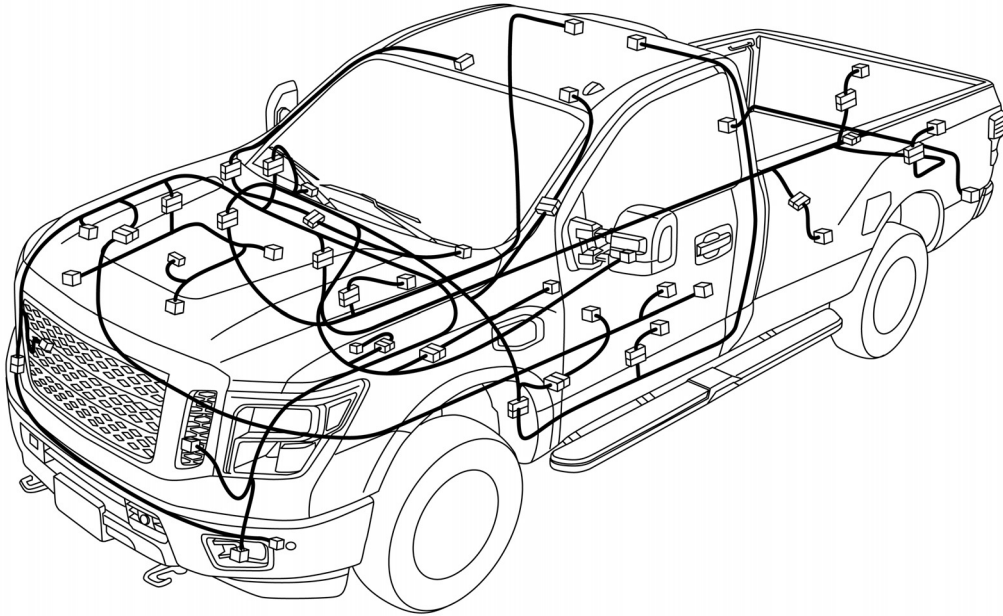


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Harness Outline – Single Cab

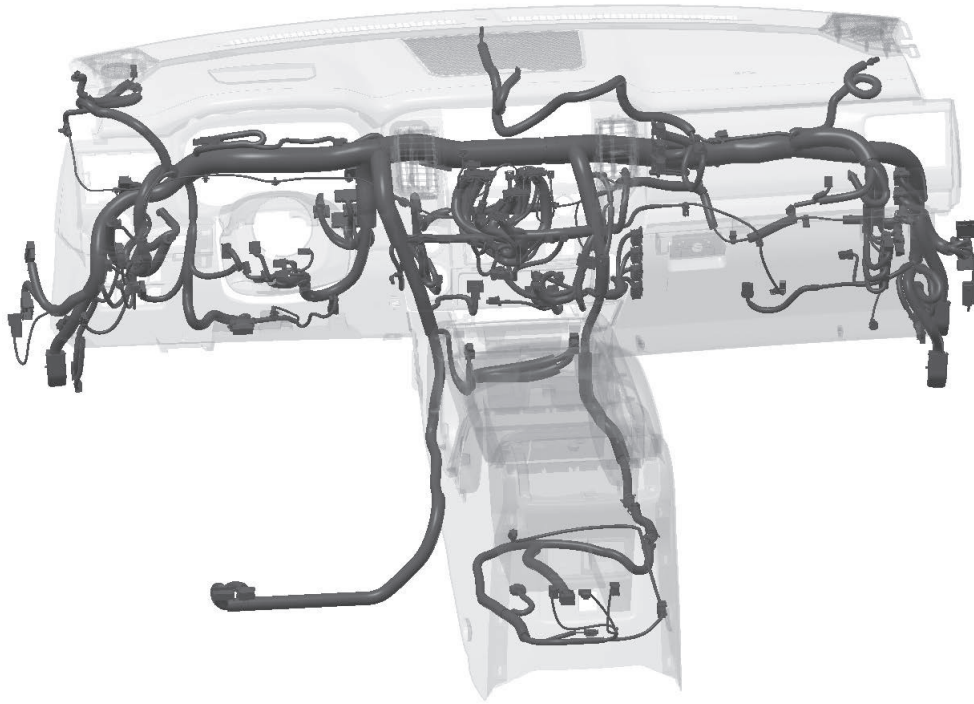
NOTE:

The harness outline shows all harnesses on the vehicle. The following pages show the harnesses that are fully or partially obstructed from view by sheet metal, trim, etc. Use care when working around harnesses to avoid vehicle damage.



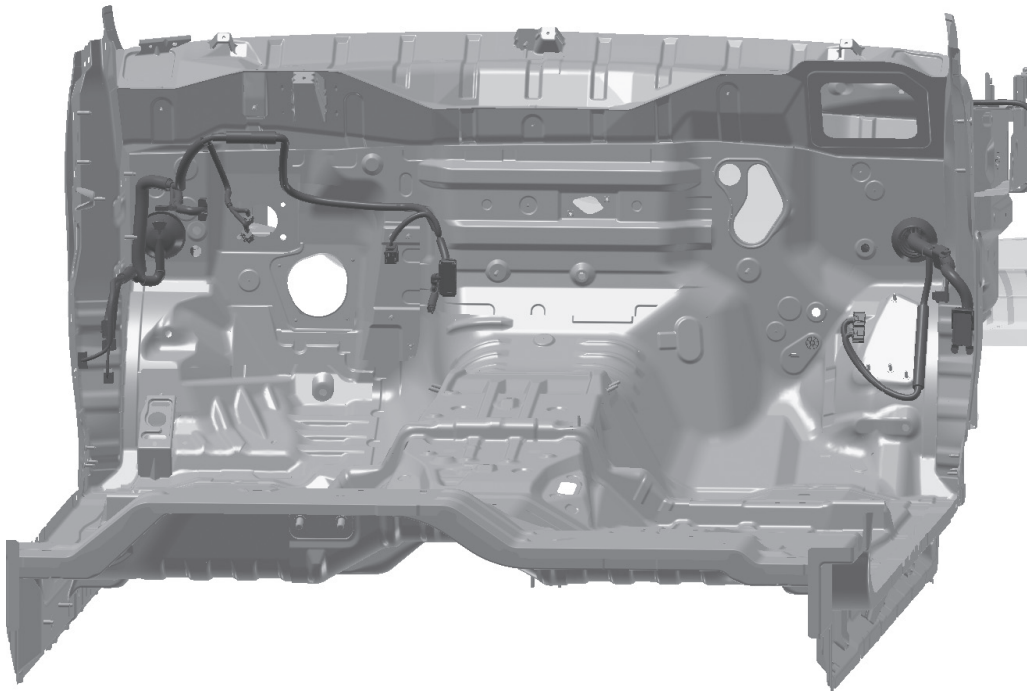
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Main Harness



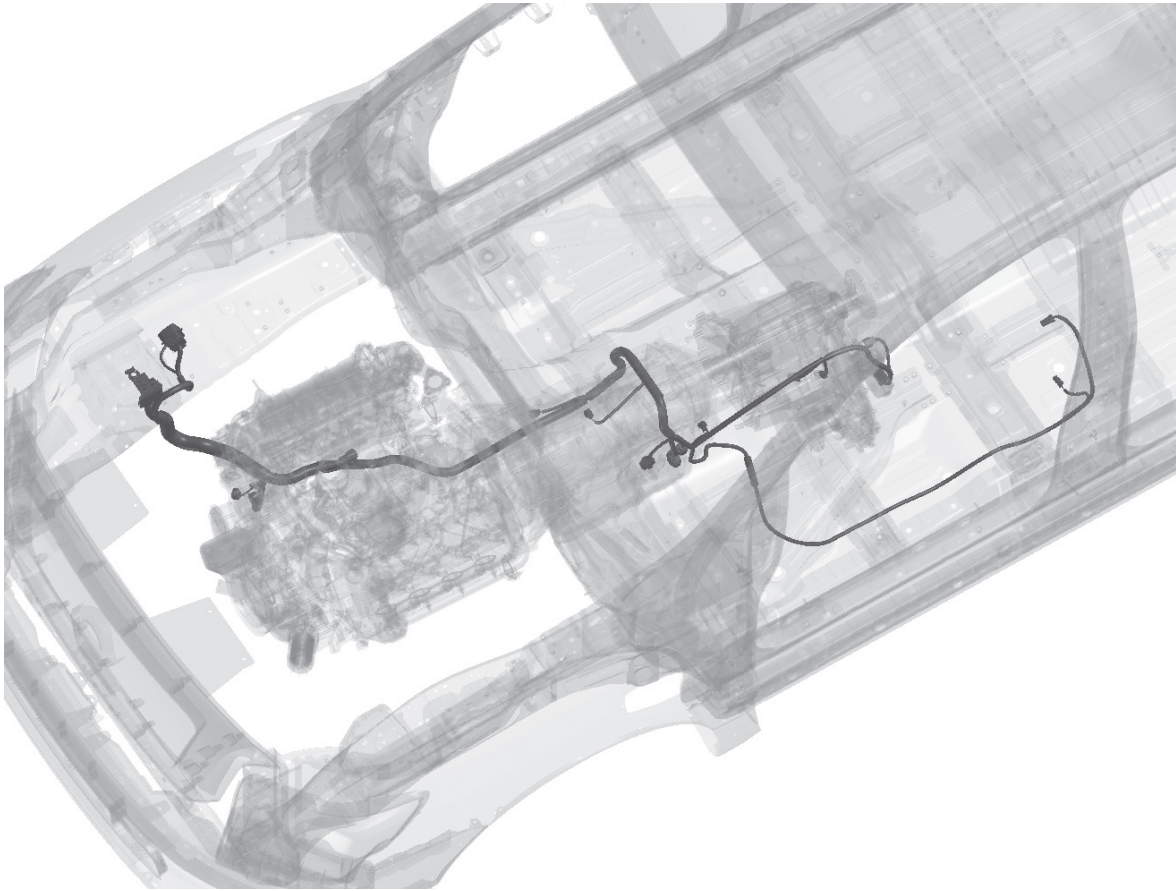
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Engine Room Harness (Passenger Compartment)



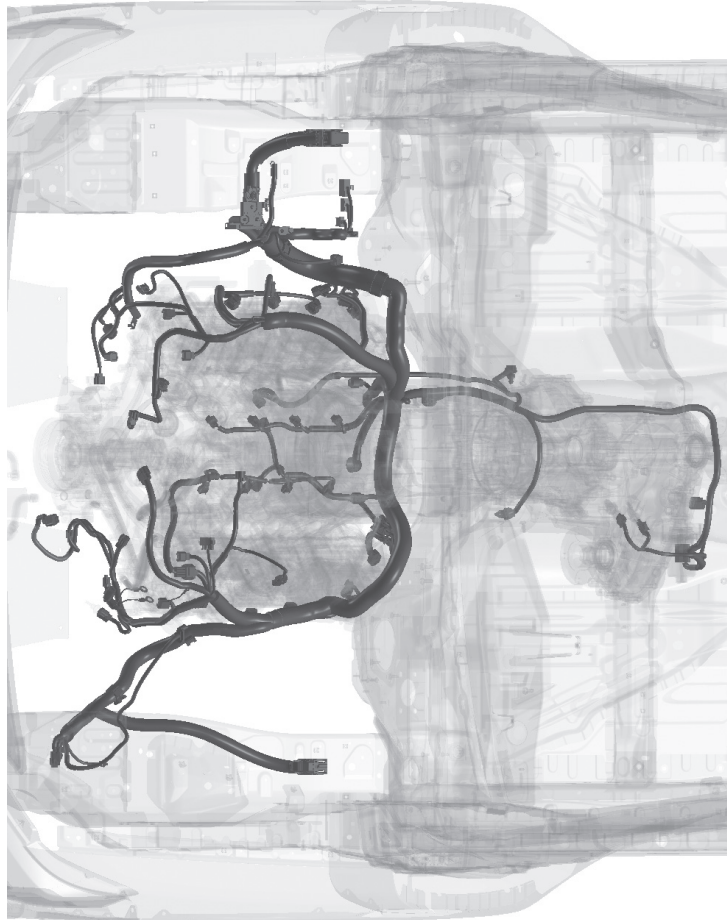
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Engine Control No. 2 Harness (Cummins 5.0L)



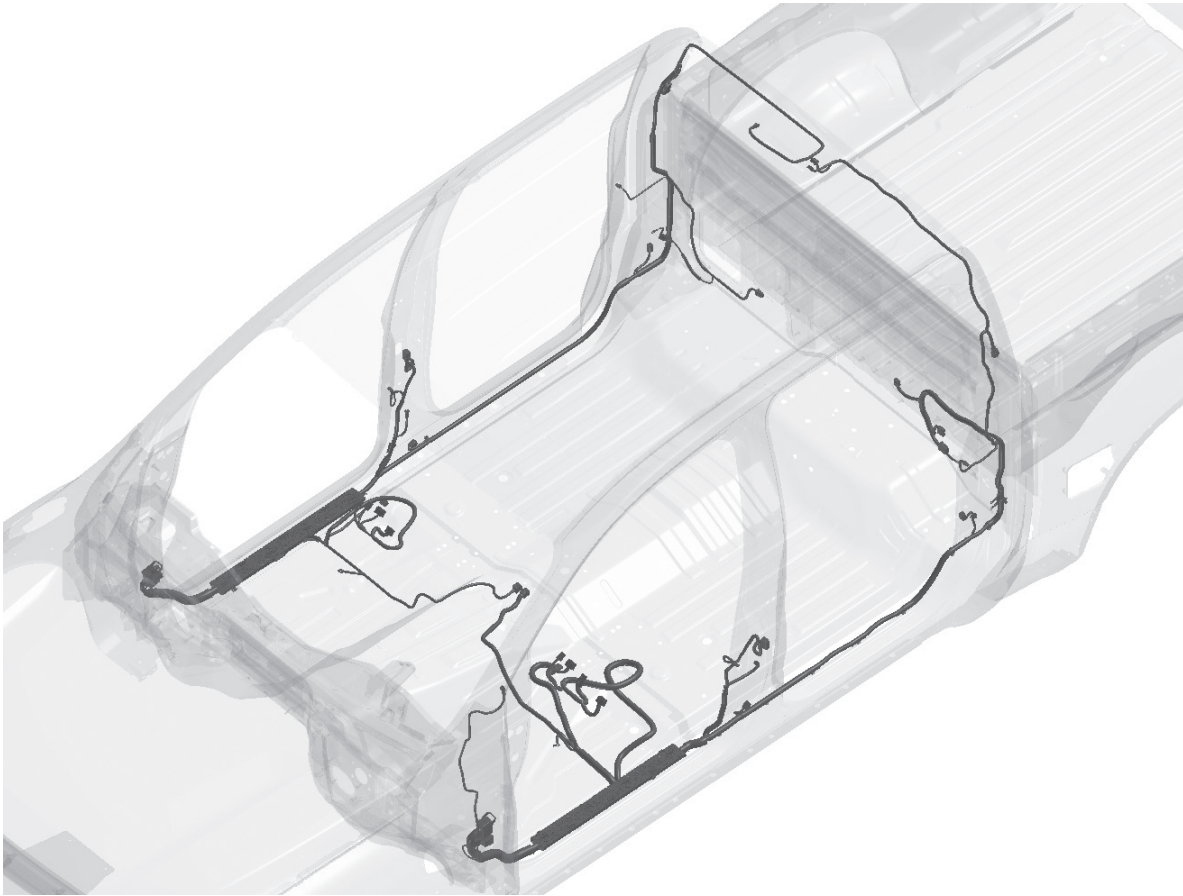
AAZIA0572ZZ

Engine Control and Engine Control No. 2 Harnesses (VK56VD [5.6L])



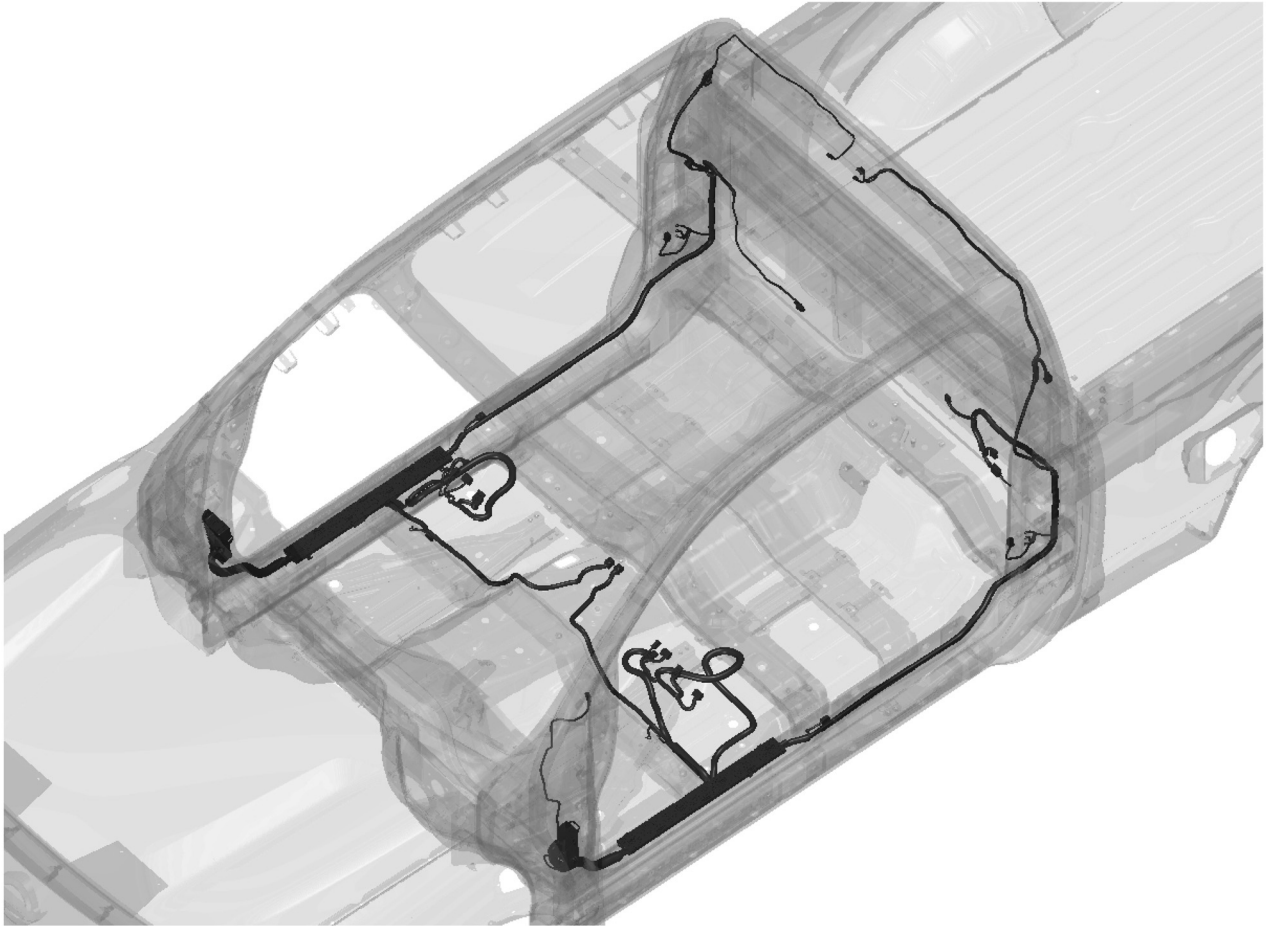
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Body Harness — Crew Cab



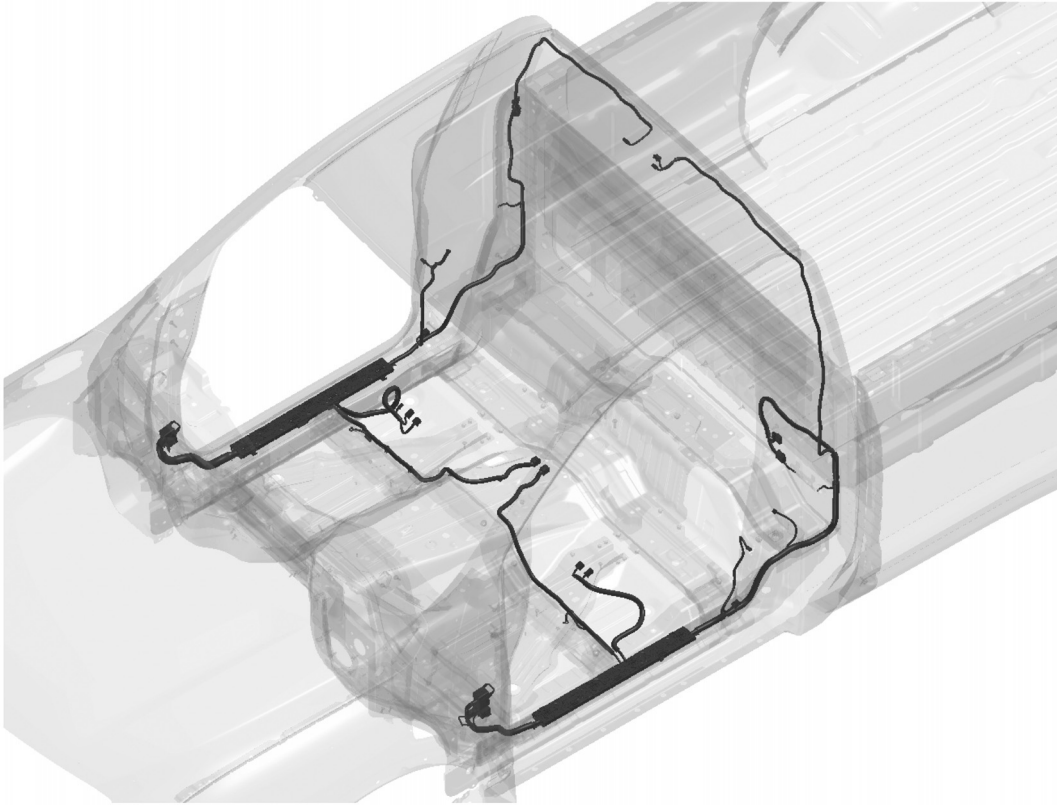
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Body Harness – King Cab®



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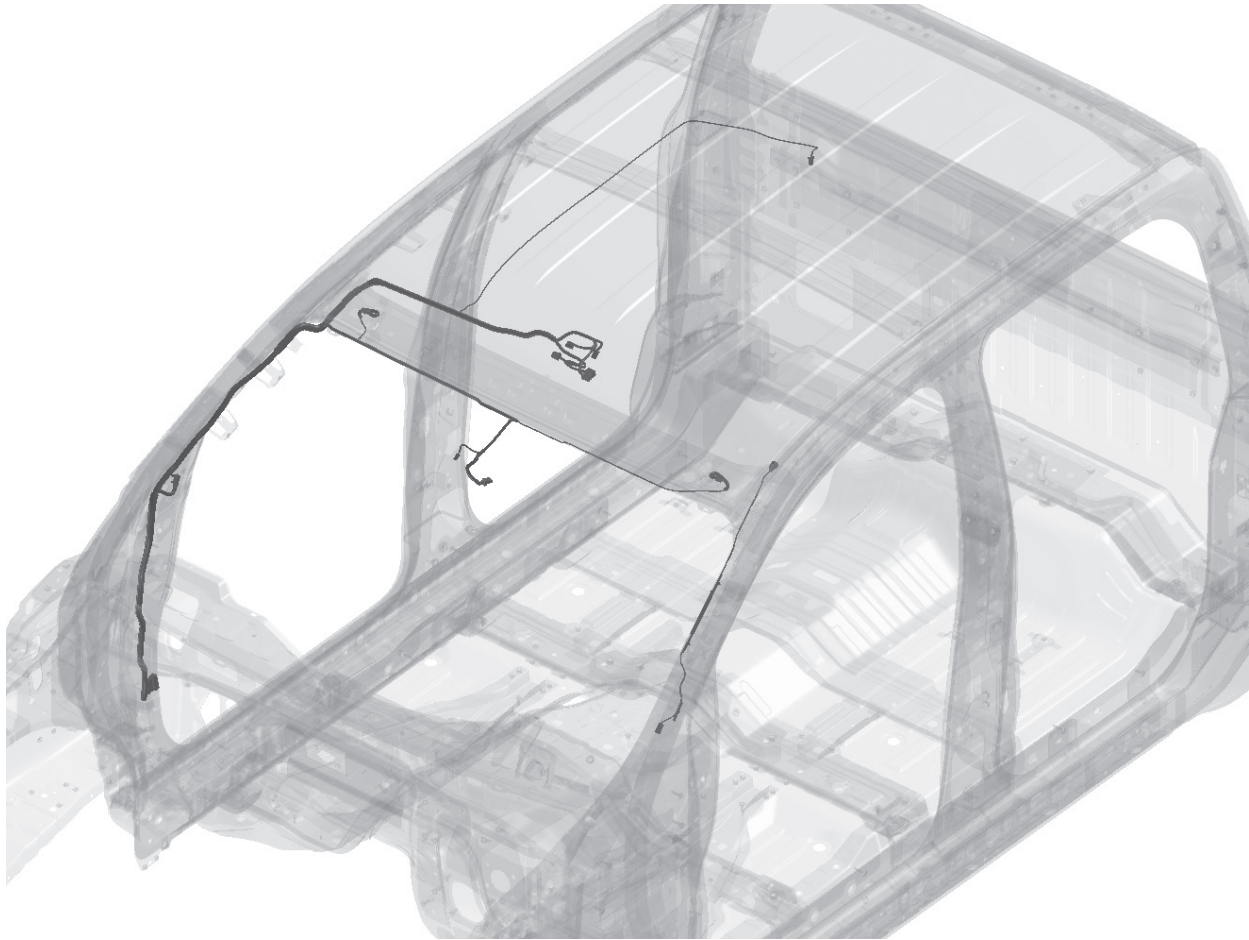
Body Harness – Single Cab



AAZIA0884ZZ

Room Lamp Harness

Crew cab shown, King Cab® and single cab locations are the same.



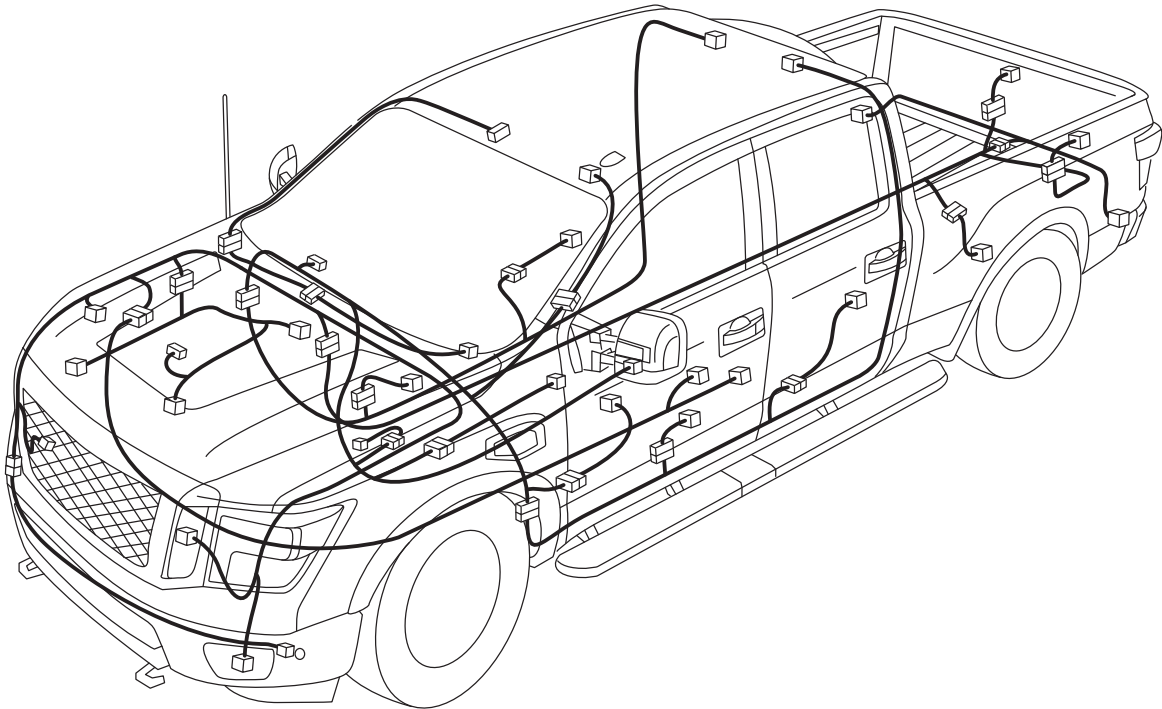
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HARNESS LAYOUT (Starting with 2020 model year)

Harness Outline — Crew Cab

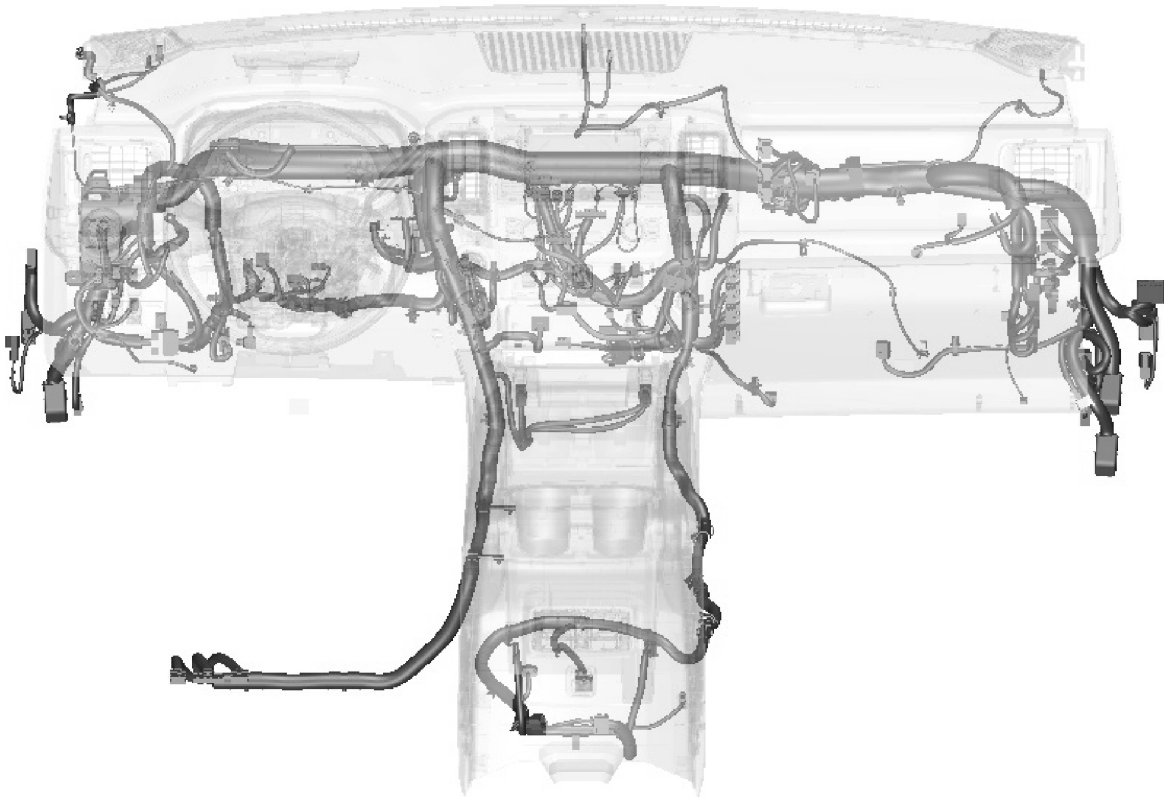
NOTE:

The harness outline shows all harnesses on the vehicle. The following pages show the harnesses that are fully or partially obstructed from view by sheet metal, trim, etc. Use care when working around harnesses to avoid vehicle damage.



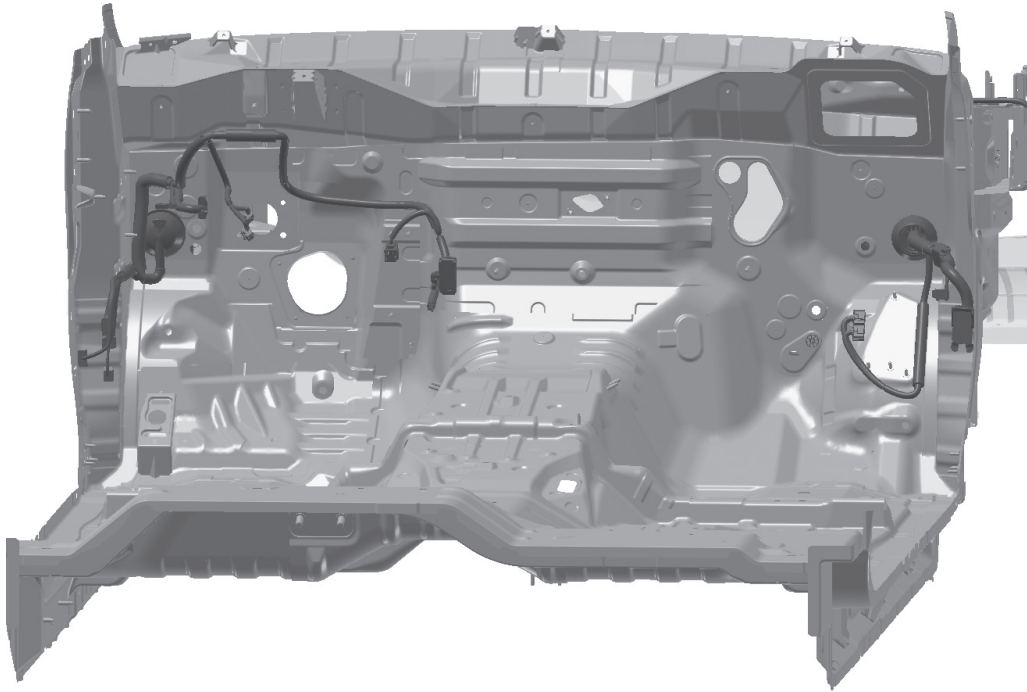
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Main Harness



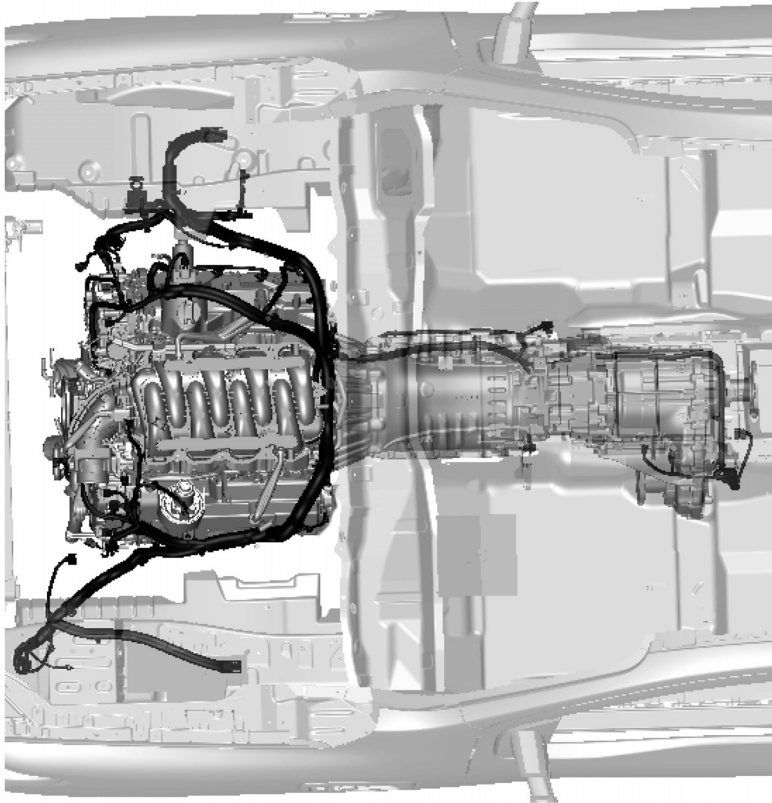
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Engine Room Harness (Passenger Compartment)



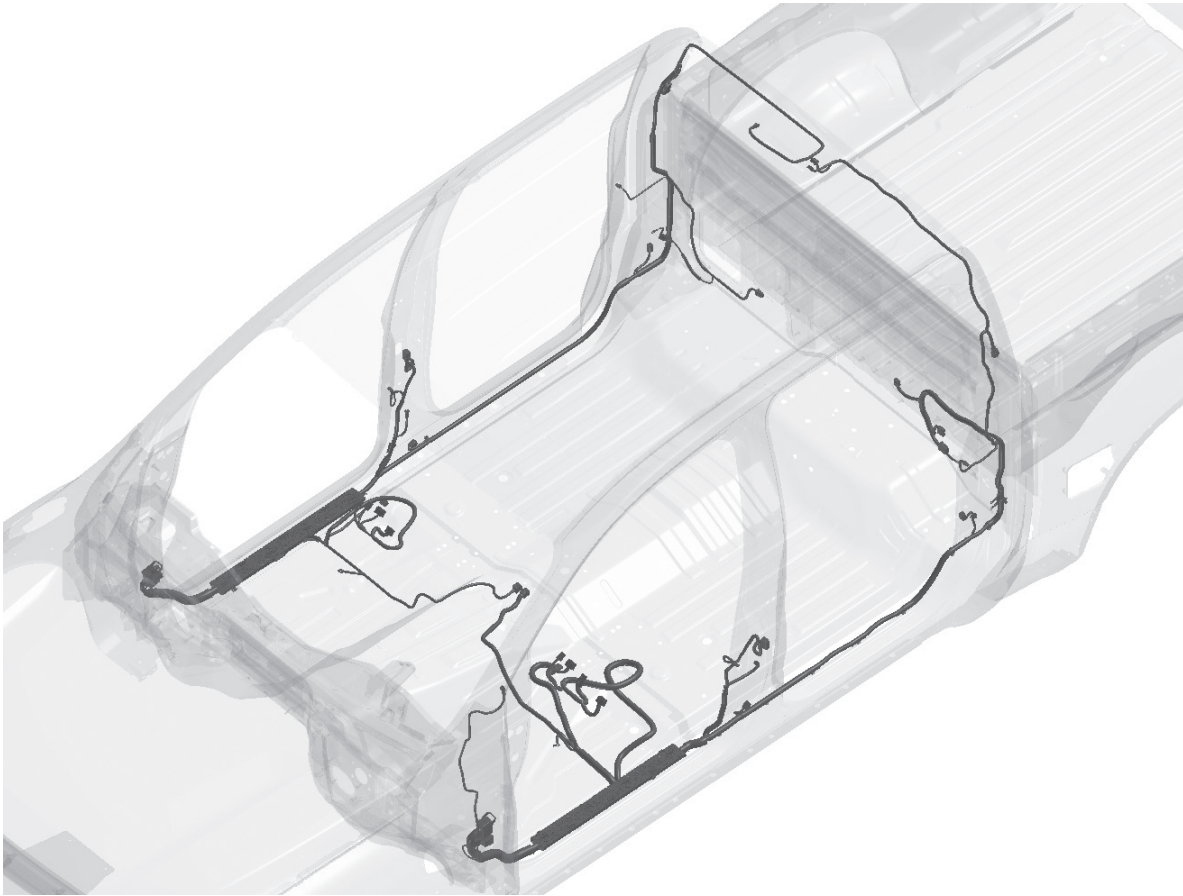
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Engine Control and Engine Control No. 2 Harnesses (VK56VD [5.6L])



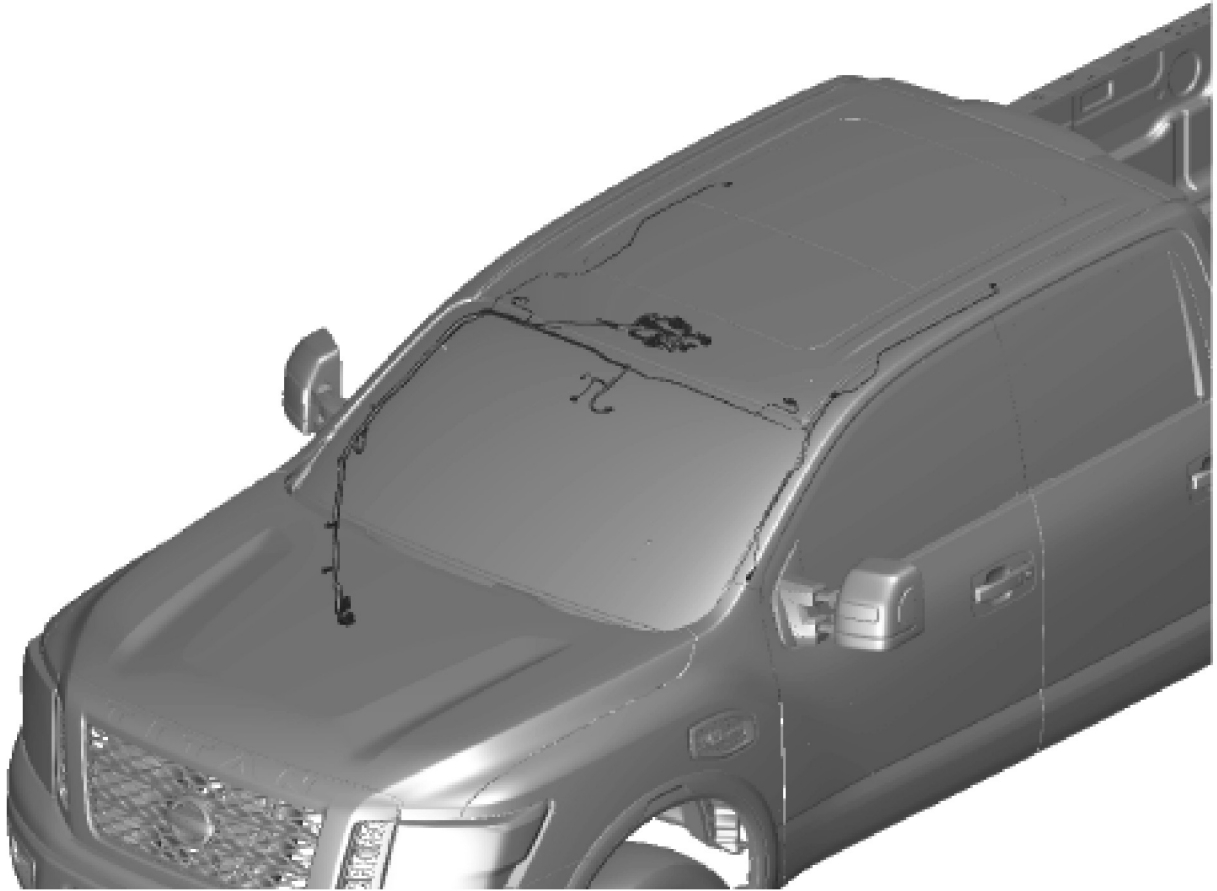
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Body Harness — Crew Cab



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Room Lamp Harness



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BULBS

Exterior Lamp (2016-2019 Model Years)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (Halogen)	60	HB3
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	5	W5W
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	13	P13W
Front fog lamp (with LED)		55	H11
Daytime running lamps (without fog lamp, without LED, Canada only)		13	P13W
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16 (2016-2017 model years) 18 (starting with 2018 model year)	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	3.5	L1224R
	Back-up lamp	16 (2016-2017 model years) 18 (starting with 2018 model year)	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Exterior Lamp (2020 Model Year)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (LED)	—	—
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	—	—
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	21	W21W
Front fog lamp (with LED)		—	—
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

BULBS

[ELECTRICAL]

Exterior Lamp (Starting with 2021 model year)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (LED)	—	—
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	—	—
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	21	W21W
Front fog lamp (with LED)		—	—
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	—	—
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	W16W
	Turn signal/Tail lamp	21	WY21W
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Interior Lamp/Illumination (2016-2019 Model Years)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	8	—
Footwell lamp	3.4	158
Vanity lamp	—	—
Glove box lamp	1.4	—

* Always check with an authorized NISSAN dealer for the latest parts information.

BULBS

[ELECTRICAL]

Interior Lamp/Illumination (2020 model year)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	—	—
Footwell lamp	3.4	158
Vanity lamp	—	—
Glove box lamp	—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Interior Lamp/Illumination (Starting with 2021 model year)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	—	—
Footwell lamp	—	—
Vanity lamp	—	—
Glove box lamp	3.4	158

* Always check with an authorized NISSAN dealer for the latest parts information.

HEADLAMP AIMING

Inspection

NOTE:

The aftermarket equipment manufacturer, second stage manufacturer, and upfitter are responsible for maintaining or restoring the headlamp adjustment after modifications to the vehicle are complete. The upfitter is responsible for maintaining compliance with the Federal or Canadian Motor Vehicle Safety Standards.

Preparation Before Adjusting

Before performing aiming adjustment, check the following:

- Make sure all tires are inflated to correct pressure.
- Place vehicle and screen on level surface.
- Make sure there is no load in vehicle other than the driver (or equivalent weight placed in driver position).
- Coolant and engine oil filled to correct level and fuel tank full.
- Remove cargo and/or luggage to maintain an unloaded vehicle condition.
- Confirm spare tire, jack and tools are properly stowed.
- Carefully wipe off any dirt from the headlamp lens.



CAUTION:

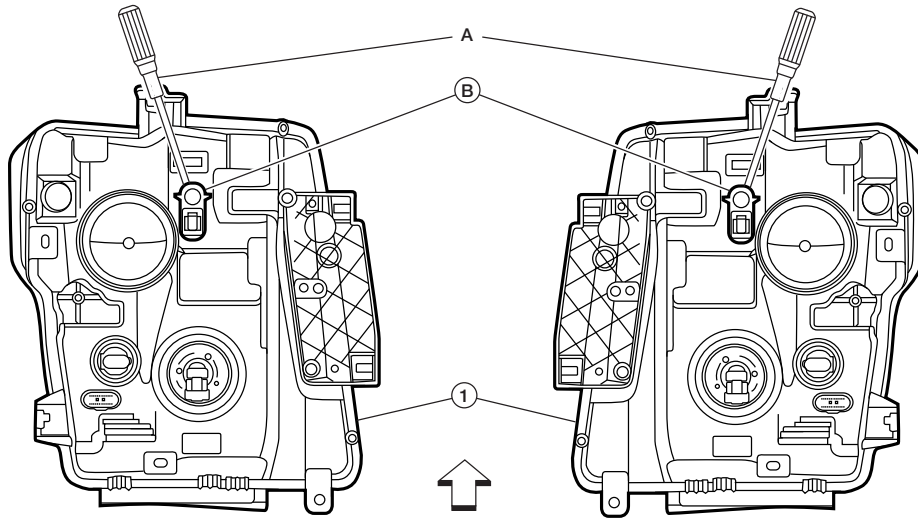
Do not use organic solvent (thinner, gasoline etc.).

- Place a driver or equivalent weight of 68.5 kg (150 lb) on the driver seat.
- By hand, bounce the front and rear of the vehicle to settle the suspension and eliminate any static load.
- Place the front tires in the straight ahead position.
- Confirm headlamp aiming switch (if equipped) is set to "0" (zero) position.
- Aim each headlamp individually and ensure other headlamp beam pattern is blocked from aiming surface.

NOTE:

- **For headlamp aiming details, refer to regulations in your area.**
- **By regulation, no means for horizontal aim adjustment is provided from the factory; only vertical aim is adjustable.**
- **Perform headlamp aiming if:**
 - **The vehicle front body has been repaired.**
 - **The front combination lamp has been removed or replaced.**
 - **Any outfitting has been installed.**
 - **The vehicle's standard load condition has been substantially increased.**

Aiming Adjustment Screw



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←: Front

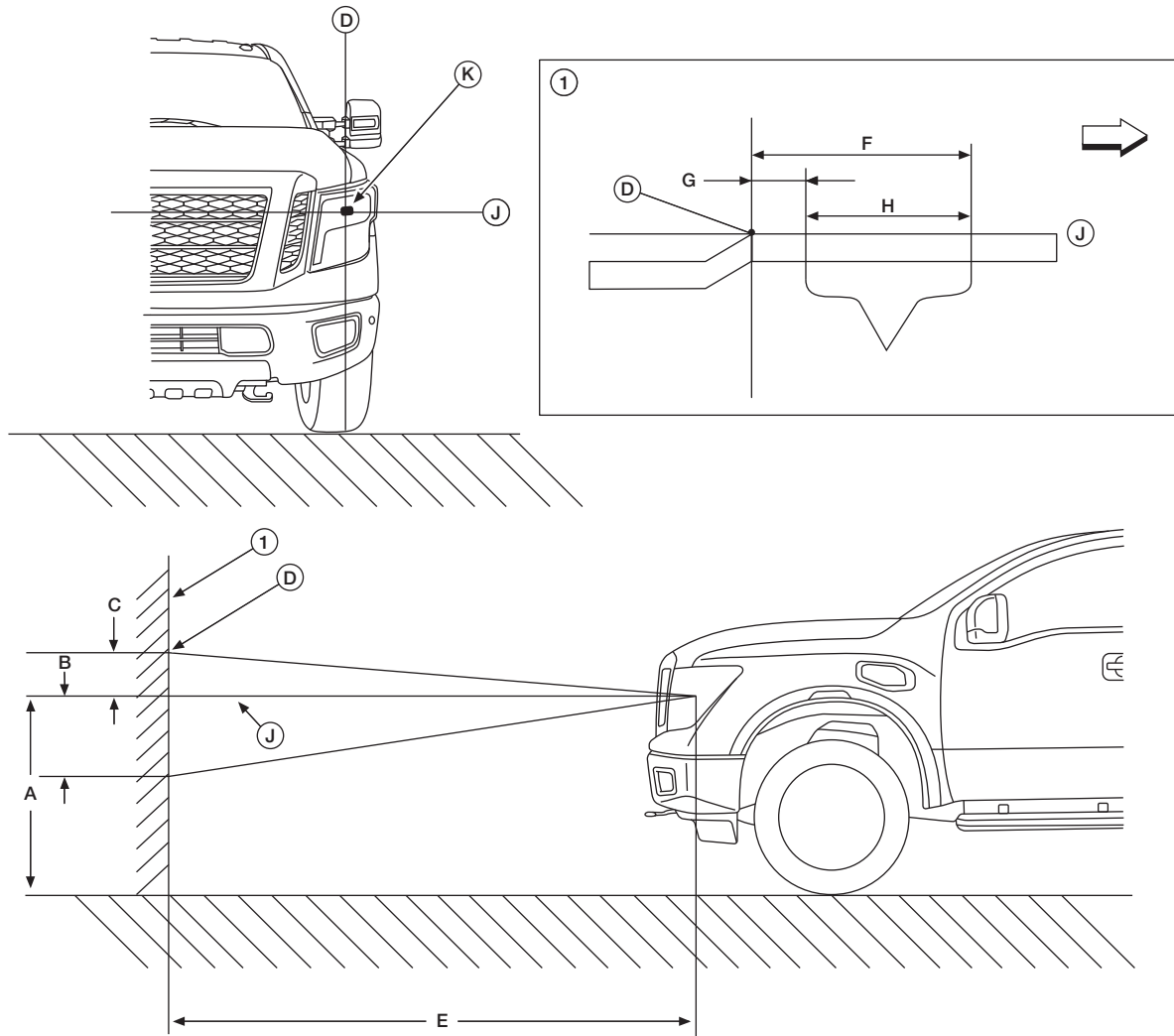
1. Front combination lamp

A. Suitable tool

B. Adjusting screw

Aiming Adjustment Procedure

Halogen Aiming Chart



AAZIA0670ZZ

←: Right

1. Adjustment screen

C. Maximum cutoff line height
13.3 mm (0.5 in) 0.1° up

F. Maximum aim evaluation
distance from vertical center
on aiming screen 399 mm
(15.7 in) [3°R]

J. Horizontal aiming evaluation
line

A. Distance of horizontal aiming
evaluation line from ground

D. Vertical aiming evaluation
line

G. Minimum aim evaluation
distance from vertical center
on aiming screen 133 mm
(5.2 in) [1°R]

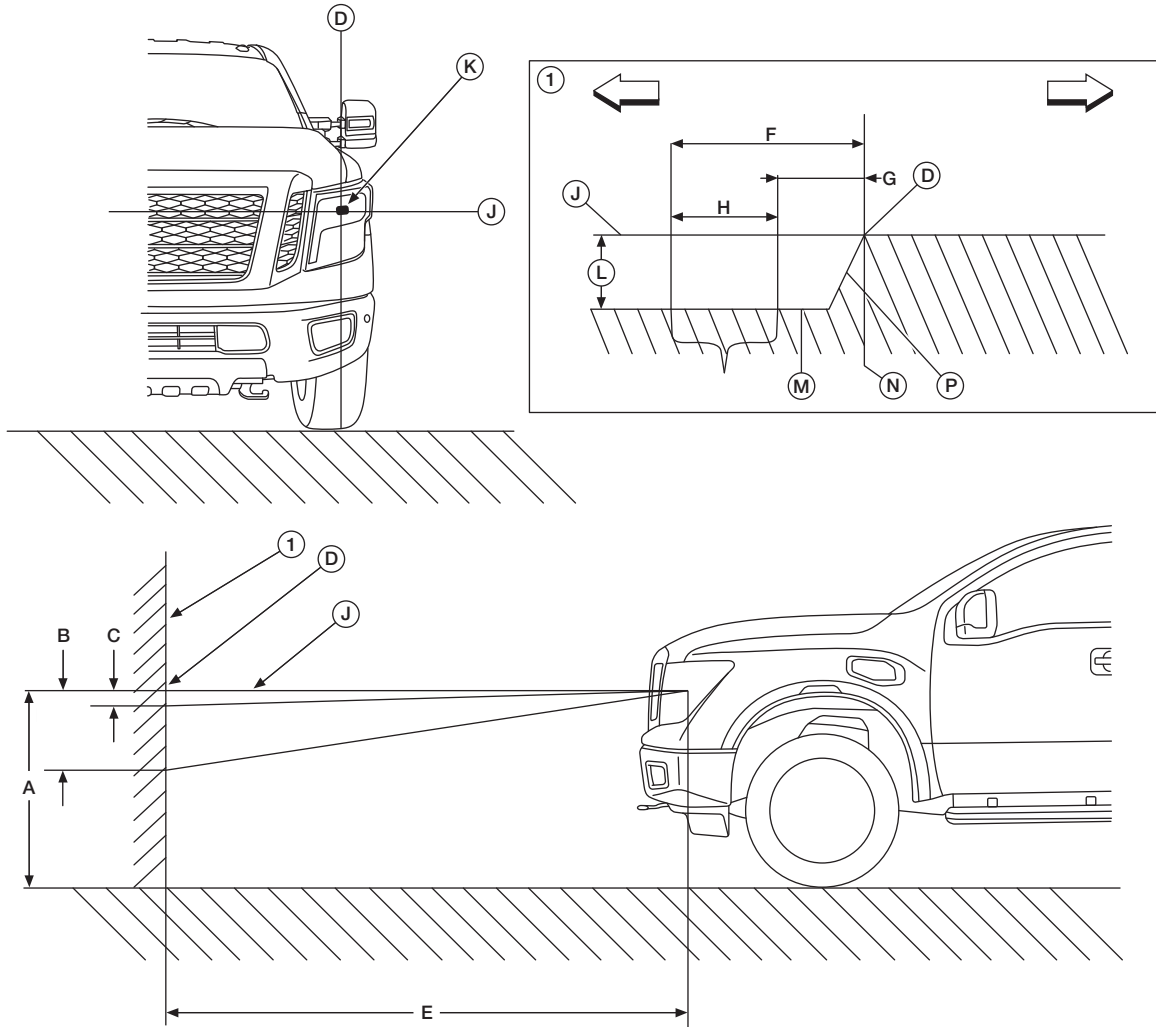
K. Center of headlamp bulb

B. Minimum cutoff line height
53.2 mm (2.1 in) 0.4° down

E. 7.6 m (25 ft)

H. Aim evaluation area

LED Aiming Chart



AAZIA0623ZZ

↔: Left/Right

1. Adjustment screen

C. Maximum cutoff line height
13.3 mm (0.5 in) 0.1° down

F. Maximum aim evaluation distance from vertical center on aiming screen 466 mm (18.3 in) [3.5°L]

J. Horizontal aiming evaluation line

M. Cutoff line

A. Distance of horizontal aiming evaluation line from ground

D. H-V point

G. Minimum aim evaluation distance from vertical center on aiming screen 200 mm (7.9 in) [1.5°L]

K. Center of headlamp bulb

N. Vertical aiming evaluation line

B. Minimum cutoff line height 93.1 mm (3.7 in) 0.7° down

E. 7.6 m (25 ft)

H. Aim evaluation area

L. 53.2 mm (2.09 in) 0.4° down

P. Step

Low Beam and High Beam

NOTE:

Basic illuminating area for evaluation and/or adjustment should be within range shown on aiming chart.

1. Use adjustment screw to perform aiming adjustment.

Ensure fog lamps are turned off.

2. Block the opposite headlamp from projecting a beam pattern onto the adjustment screen, using a suitable object. Aim each headlamp individually.



CAUTION:

Do not cover the lens surface with tape, etc.

3. Place the screen on the same level and flat surface as the vehicle.

NOTE:

Surface should be free of any debris that would cause a difference between the headlamp center and the adjustment screen.

4. Face the front of the vehicle to the screen and measure distance between the headlamp center and the screen surface.

Distance between the headlamp center and the screen (E): 7.6 m (25 ft)

5. Start the engine. Turn the headlamp on.
6. Determine the preferred vertical aim range dimensions, using the aiming chart.
7. Measure the projected beam within the aim evaluation segment on the screen.
8. Adjust the beam pattern of each headlamp until the aim evaluation segment (the area relative to both the highest and lowest cutoff line height) is positioned within the vertical aim range dimensions shown on the aiming chart.

FOG LAMP AIMING

Inspection

NOTE:

The aftermarket equipment manufacturer, second stage manufacturer, and upfitter are responsible for maintaining or restoring the headlamp adjustment after modifications to the vehicle are complete. The upfitter is responsible for maintaining compliance with the Federal or Canadian Motor Vehicle Safety Standards.

Preparation Before Adjusting

The fog lamp is a semi-sealed beam type which uses a replacement halogen bulb. Before performing aiming adjustment, check the following:

- Make sure all tires are inflated to correct pressure.
- Place vehicle and screen on level surface.
- Make sure there is no load in vehicle other than the driver (or equivalent weight placed in driver position).
- Coolant and engine oil filled to correct level and fuel tank full.
- Remove cargo and/or luggage to maintain an unloaded vehicle condition.
- Confirm spare tire, jack and tools are properly stowed.
- Carefully wipe off any dirt from the fog lamp lens.



CAUTION:

Do not use organic solvent (thinner, gasoline etc.).

- Place a driver or equivalent weight of 68.5 kg (150 lb) on the driver seat.
- By hand, bounce the front and rear of the vehicle to settle the suspension and eliminate any static load.
- Place the front tires in the straight ahead position.
- Aim each fog lamp individually and ensure other fog lamp beam pattern is blocked from aiming surface.

NOTE:

- **For fog lamp aiming details, refer to regulations in your area.**
- **By regulation, no means for horizontal aim adjustment is provided from the factory; only vertical aim is adjustable.**
- **Perform fog lamp aiming if:**
 - **The vehicle front body has been repaired.**
 - **The front fog lamp has been removed or replaced.**
 - **Any outfitting has been installed.**
 - **The vehicle's standard load condition has been substantially increased.**

FRONT FOG LAMP AIMING

Aiming Adjustment Procedure

NOTE:

Check the following conditions before performing the aiming adjustment.

- Keep all tires inflated to correct pressure.
- Place vehicle on level ground.
- See that vehicle is unloaded (except for full levels of coolant, engine oil and fuel, and spare tire, jack, and tools). Have driver or equivalent weight placed in driver seat.
- When performing adjustment, if necessary, cover the headlamps and opposite fog lamp.

1. Place the screen.

NOTE:

- Stop the vehicle facing the wall.
- Place the board on a plain road vertically.
 2. Face the vehicle at the screen. Maintain 7.62 m (25.00 ft) between the front fog lamp center and the screen.
 3. Start the engine. Turn the front fog lamps ON.

NOTE:

Block the headlamp light with the board to prevent from illuminating the adjustment screen.



CAUTION:

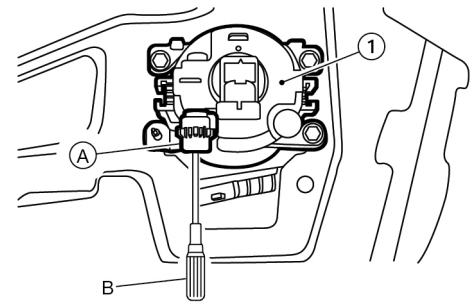
Do not cover the lens surface with a tape etc. The lens is made of resin.

4. Adjust aiming by turning the adjusting screw **(A)** with suitable tool **(B)**.

NOTE:

LH shown, RH similar

(1) Front fog lamp assembly



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5. Adjust the cutoff line height **(X)** with the aiming adjustment screw so that the distance **(X)** between the horizontal center line of the front fog lamp **(H)** and cutoff line **(A)** becomes 100 mm (4 in).

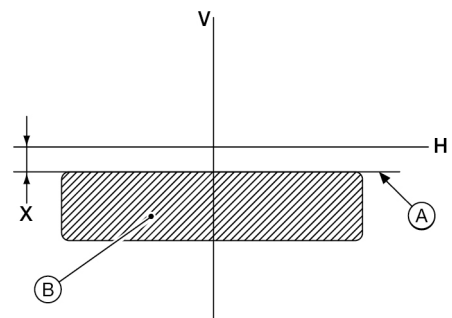
(A) Cutoff line

(B) High illuminance area

(H) Horizontal center line of front fog lamp

(V) Vertical center line of front fog lamp

(X) Cutoff line height



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REGULATIONS FOR ADDING COMMUNICATION EQUIPMENT

FCC Regulations

The FCC rules and regulations are compiled in Title 47 of the Code of Federal Regulations (CFR). They are initially published in the Federal Register. After October 1 of each year, the GPO compiles all the changes, additions, and deletions to the FCC rules and publishes an updated CFR. Refer to the FCC website for the most up-to-date information. The rules are provided in text version and in portable document format (PDF) and can be viewed using the Adobe Acrobat Reader. The FCC does not maintain a database of its rules nor does it print or stock copies of the rules and regulations. To order a copy of Title 47 of the Code of Federal Regulations visit:

www.fcc.gov/encyclopedia/rules-regulations-title-47

FCC Notice:

For USA:

These devices must comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. The device may not cause harmful interference.
2. The device must accept any interference received, including interference that may cause undesired operation.

NOTE:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada:

These devices must comply with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

1. The device may not cause interference.
2. The device must accept any interference, including interference that may cause undesired operation of the device.

ADDING LIGHTS OR DEVICES

Added Lights or Accessories Controlled By Added Switches

This section describes the connection points for added electrical accessories when these accessories are to be controlled by added switches not a part of the Nissan released vehicle. The added switches and wiring must have sufficient electrical capacity for the accessory load and must be protected by appropriate fuses or circuit breakers. Also, added current draw must not cause total loads to exceed capabilities of the base vehicle wiring.

Electrical Wiring – Adding Lights or Electrical Devices



CAUTION:

Improper electrical tie-ins may affect vehicle operation (i.e., engine, transmission). After all electrical or vehicle modifications, confirm that no Diagnostic Trouble Codes (DTCs) are present. If DTCs are generated, perform the appropriate diagnostic procedures and repairs. Vehicle operation (engine/transmission) may be affected if DTCs are not serviced.

Disconnect the battery negative (ground) cable prior to any vehicle modification. Upon completion of body or equipment installation, all wiring should be checked for proper routing, etc. to preclude electrical shorts upon reconnecting the battery negative cable.

Connect only to the upfitter connections identified throughout this guide. Connecting to any component or wires other than those identified may adversely affect other systems and their operation.

NOTE:

Ignition switch OFF. Wait at least 2 minutes before removing the 12V battery terminal to avoid setting any DTCs.

Radio Frequency Interference (RFI)

During modifications to the vehicle, manufacturers, service technicians, owners and users should take the necessary precautions to maintain the RFI integrity of components. (Both the United States and Canada have RFI regulations in effect.) Precautionary procedures and components listed below are examples and do not necessarily represent a complete list.

1. All components required to suppress RFI emissions, which are removed during service, repair, or modification to the vehicle, must be reinstalled in the manner in which they were installed by Nissan.
2. Do not modify or change any RF device in a manner not expressly approved by Nissan.
3. Shields on ignition components must remain installed.
4. Replacement of ignition components which are not OEM is not recommended by Nissan.
5. Electrical grounds on all components must be retained.
6. Metallic components installed on the body or chassis must be grounded to the chassis.
7. Electrical circuits added to the vehicle should not be installed near the ignition components.
8. Only "static conductive" accessory drive belts should be used.
9. Drive belts should be of the OEM type or equivalent that will not build up a static electrical charge.
10. Additional measures may be needed to adequately suppress RFI emissions.
11. Failure to follow these guidelines could result in interference to factory systems such as (but not limited to) the tire pressure monitoring system (TPMS).

INVERTER SYSTEM

Description

AC 120-volt Power Outlet

The AC 120-volt outlets are for devices up to 400-watt. There are 2 operating modes for the inverter system:

1. High power mode for devices between 150-watt and 400-watt which can only be used when the vehicle is in Park (P) with the engine running.
2. Low power mode for devices less than 150-watt which can be used anytime the ignition is in the ON position.



CAUTION:

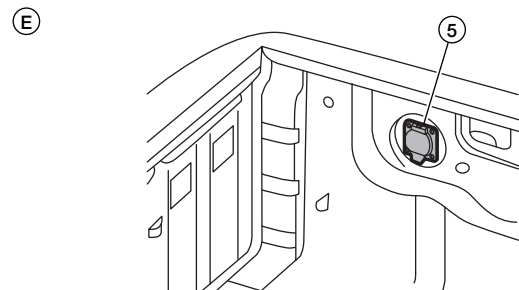
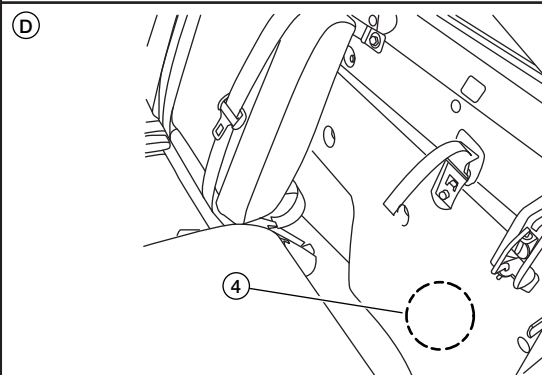
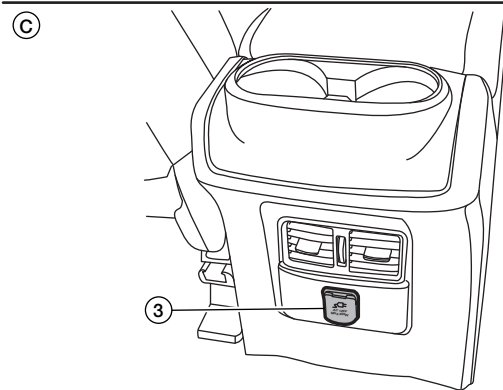
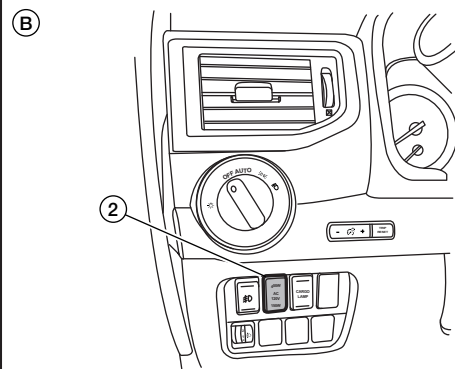
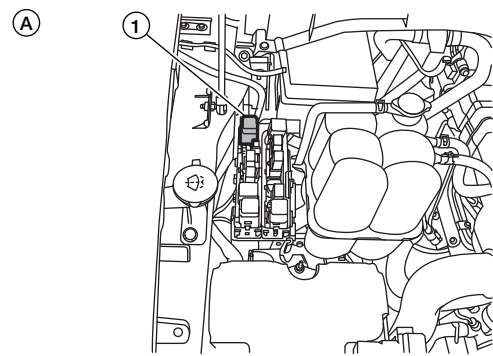
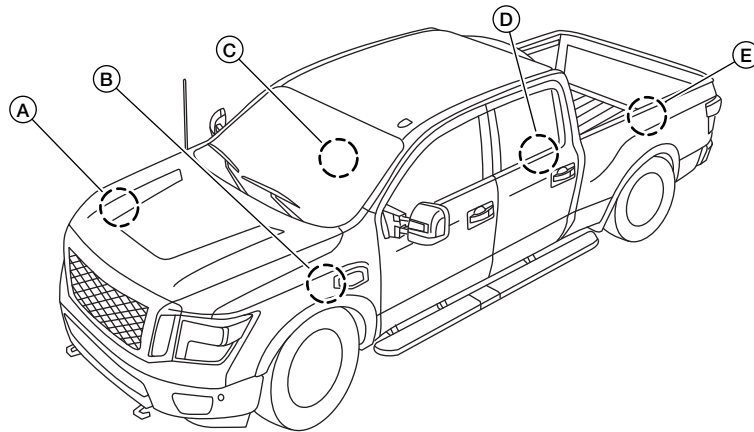
Operation of the 120-volt system with the ignition in the ON position and the engine not running (idle) will drain the battery charge. This could lead to a dead battery or no start condition.

Do not exceed maximum capacity or use adapters to connect more than one electrical accessory.

NOTE:

Replacement of the OEM inverter with anything other than a Genuine NISSAN specified part is not authorized.

Component Parts Location (2017-2019 Model Years)



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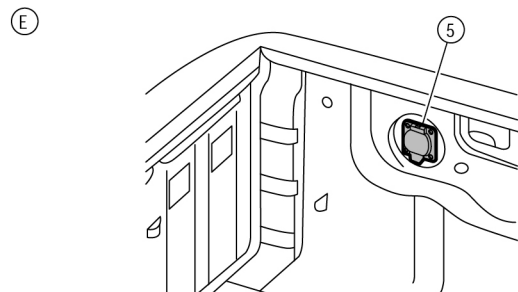
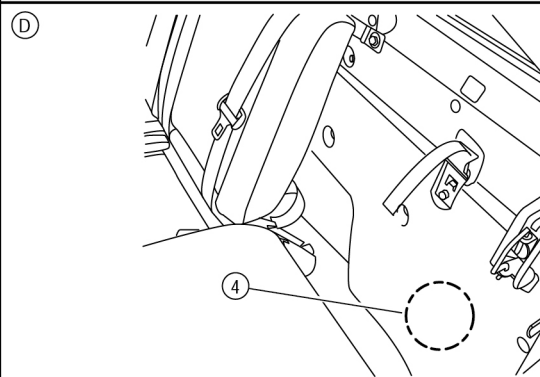
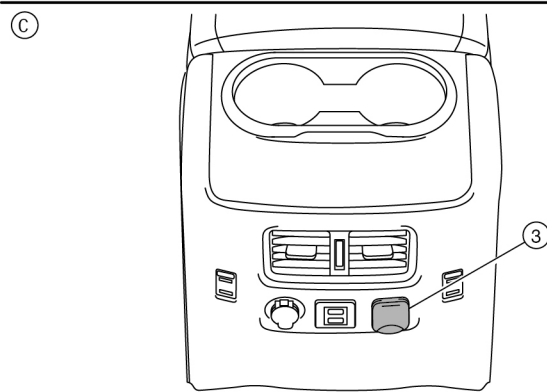
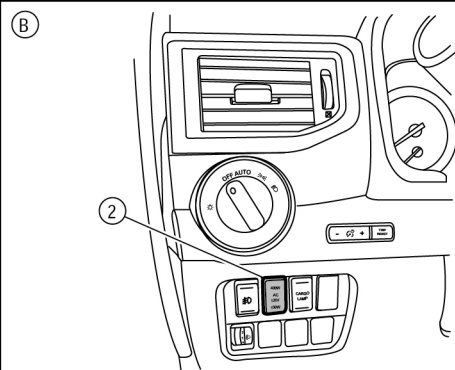
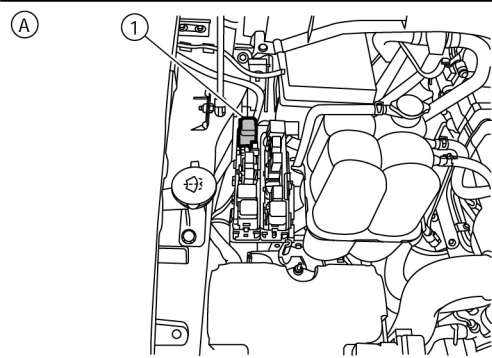
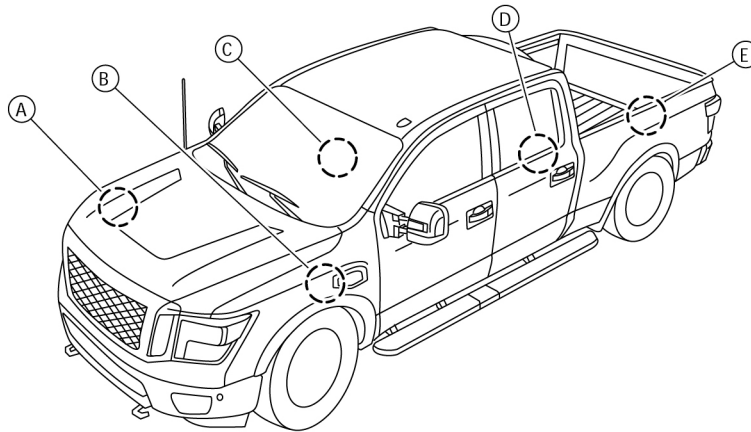
INVERTER SYSTEM

[ELECTRICAL]

Crew cab shown, locations same in single cab and King Cab®.

- | | | |
|---|-----------------------------------|--|
| 1. Inverter relay (view with relay box cover removed) | 2. AC 120-volt outlet main switch | 3. AC 120-volt outlet cab (rear of center console) (crew cab and King Cab® only) |
| 4. Inverter unit | 5. AC 120-volt outlet bed | |

Component Parts Location (Starting with 2020 Model Year)



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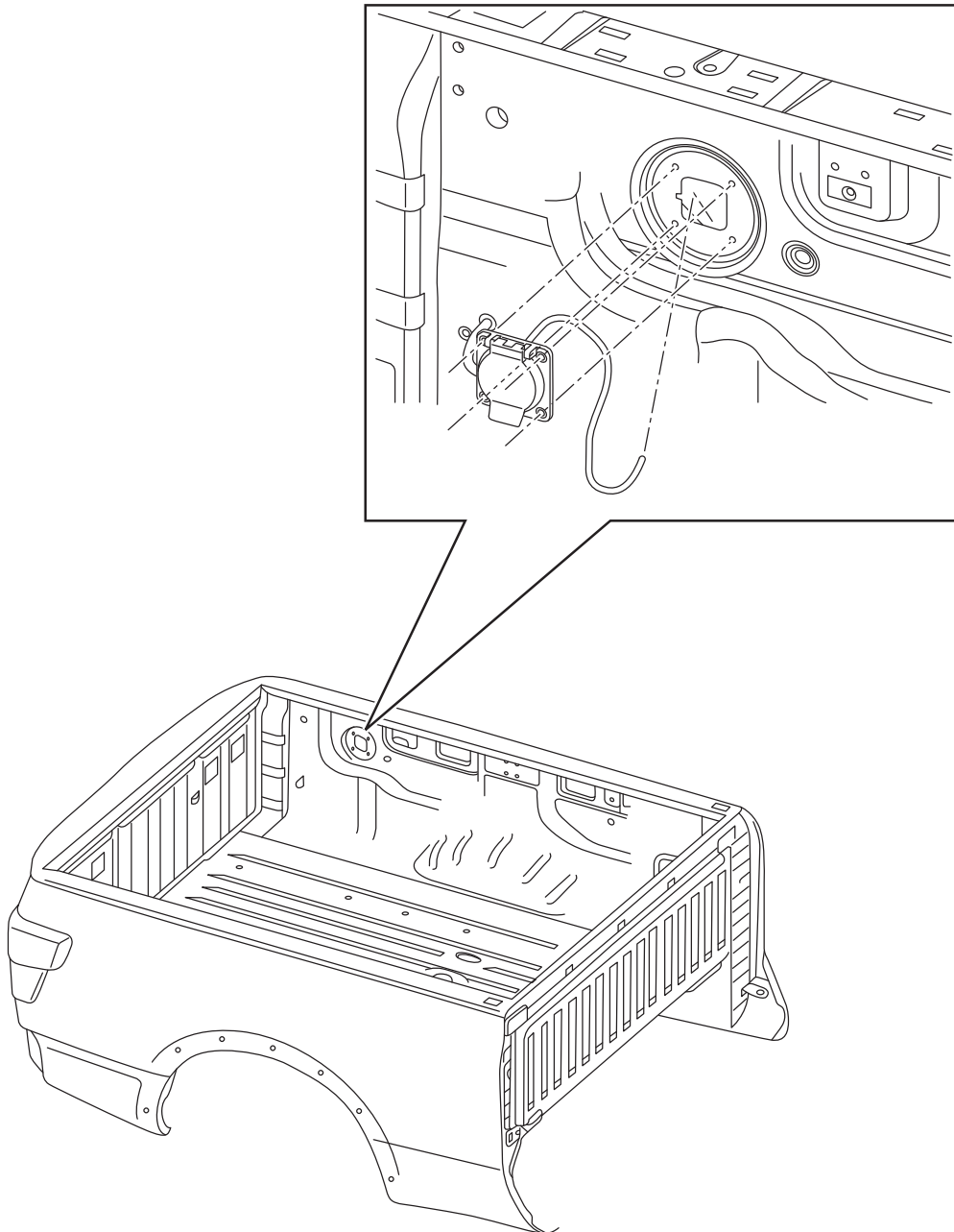
INVERTER SYSTEM

[ELECTRICAL]

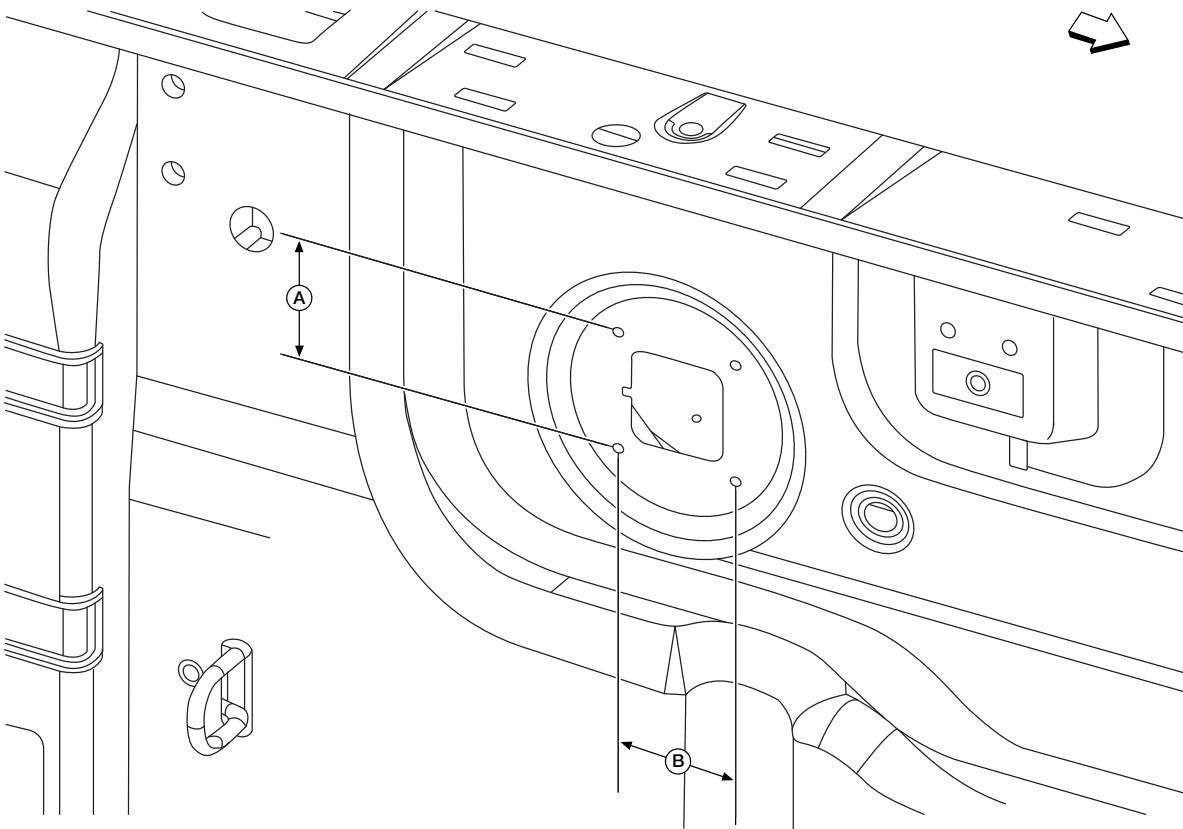
- | | | |
|---|-----------------------------------|--|
| 1. Inverter relay (view with relay box cover removed) | 2. AC 120-volt outlet main switch | 3. AC 120-volt outlet cab (rear of center console) |
| 4. Inverter unit | 5. AC 120-volt outlet bed | |

Bed Mounted AC 120-volt Power Outlet

The bed mounted AC 120-volt power outlet is located in the rear driver side of the truck bed and is secured in place with four rivets.



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↔: Front of vehicle.

A: 66 mm (2.6 in)

B: 66 mm (2.6 in)

INVERTER SPECIFICATIONS

Rated voltage output		AC 120-volt (±10%)
Operating voltage range		DC 11.5-volt to 15-volt (Inverter terminal)
Rated power output	Low power mode	150-watt
	High power mode	400-watt
Output over-current protection	High power mode	3.7A or more
Input over-current protection	Low power mode	13.3A or more
Output frequency		60Hz (±10%)
Parasitic current		Less than 1 mA
Max. input current		45A (during continuous power)
Rated continuous power		400-watt @ 40°C (104°F) Maximum
Overheat protection (Thermistor)		100°C (212°F)

REMOTE KEYLESS ENTRY SYSTEM

System Description

If a key fob is lost, a new key fob can be set up. A maximum of four Intelligent Keys can be set up simultaneously.

Key fob ID Setup

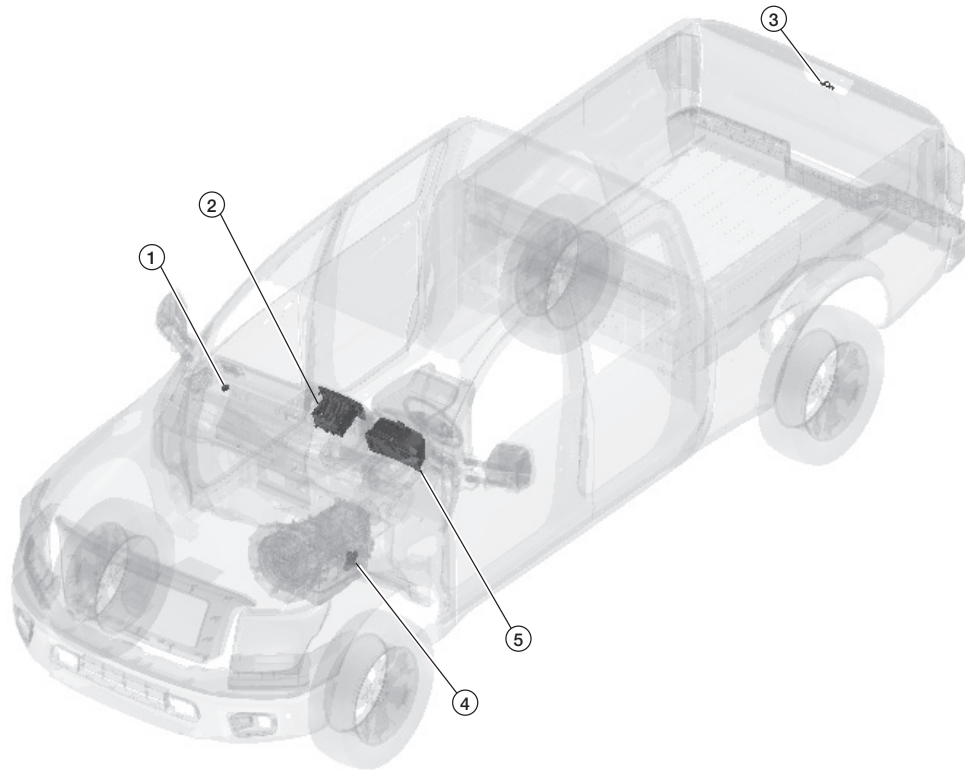
For key fob ID set up and programming, it is recommended to go to an authorized NISSAN dealer.

NOTE:

All key fobs must be brought to the dealer even if only one key fob needs to be reprogrammed. Failure to do so will result in all of the pre-existing key fobs, other than the one being reprogrammed, becoming inoperative.

REAR VIEW MONITOR SYSTEM

Component Parts Location



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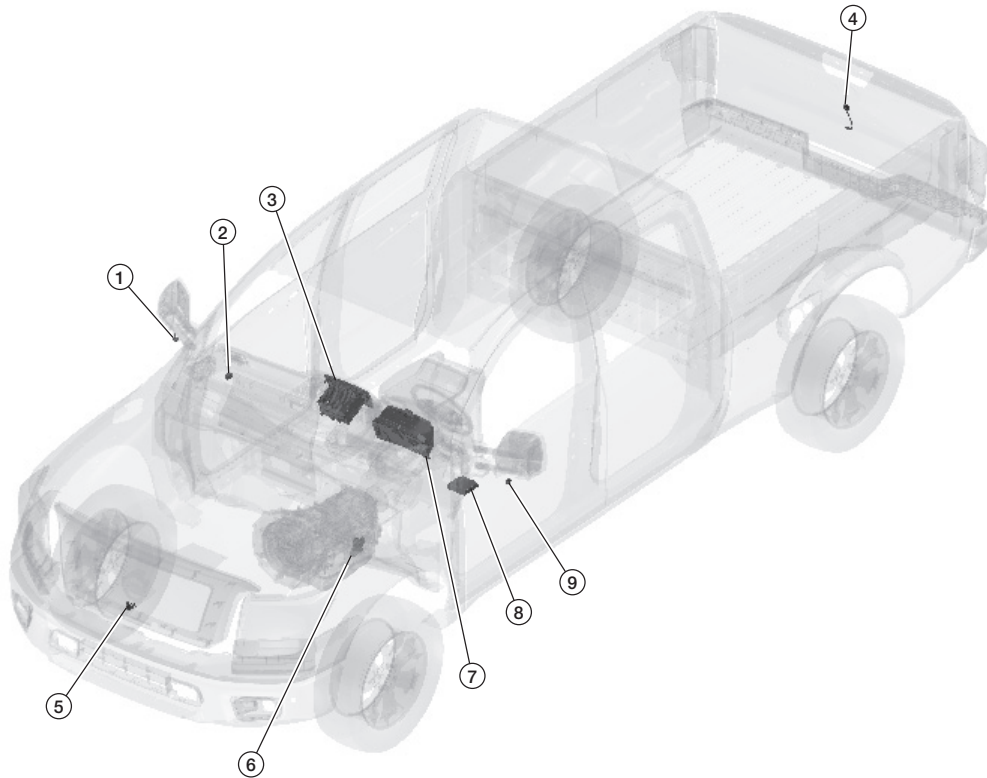
- | | | |
|------------------------------|----------------------|---------------------|
| 1. Back-up lamp relay | 2. AV control unit | 3. Rear view camera |
| 4. Transmission range switch | 5. Combination meter | |

NOTE:

If any camera system related component is removed and/or relocated it must be recalibrated. It is recommended you visit a NISSAN dealer for this service.

AROUND VIEW® MONITOR SYSTEM (CREW CAB ONLY)

Component Parts Location



AAZIA0579ZZ

- | | | |
|----------------------|-------------------------------------|------------------------------|
| 1. Door mirror RH | 2. Back up lamp relay | 3. AV control unit |
| 4. Rear view camera | 5. Front camera | 6. Transmission range switch |
| 7. Combination meter | 8. Around view monitor control unit | 9. Door mirror LH |

NOTE:

If any camera system related component is removed and/or relocated it must be recalibrated. It is recommended you visit a NISSAN dealer for this service.

FUEL SYSTEMS

FUEL SYSTEM PRECAUTIONS (DIESEL) (2016-2019 Model Years)

General

Modifications in the fuel system are not recommended, either in the circuit or the components.



WARNING:

When replacing fuel line parts, be sure to observe the following:

- Put a "CAUTION: FLAMMABLE" sign in the workshop.
- Be sure to work in a well-ventilated area and furnish workshop with a CO2 fire extinguisher.
- Do not smoke while servicing fuel system. Keep open flames and sparks away from the work area.

Fuel Pressure



WARNING:

The fuel system (fuel pump, high pressure fuel lines, fuel rail, injectors) contain very high pressure fuel. To avoid the risk of personal injury or fire:

- Do not loosen any fittings while the engine is running.
- Wait at least 10 minutes after shutting down the engine before loosening any fittings in the high-pressure fuel system to allow pressure to decrease to a lower level.
- Wear appropriate eye protection and protective equipment as high-pressure fuel spray can penetrate the skin.
- Never smoke or allow sparks or flames (such as pilot lights, electrical switches, or welding equipment) in the work area. Never allow diesel fuel to spill onto a hot exhaust manifold which can cause a fire.



WARNING:

Diesel fuel and diesel fuel vapor is flammable. To avoid risk of fire or burns, never smoke or allow sparks or flames (such as pilot lights, electrical switches, or welding equipment) in the work area. Never allow diesel fuel to spill onto a hot exhaust manifold which can cause a fire.

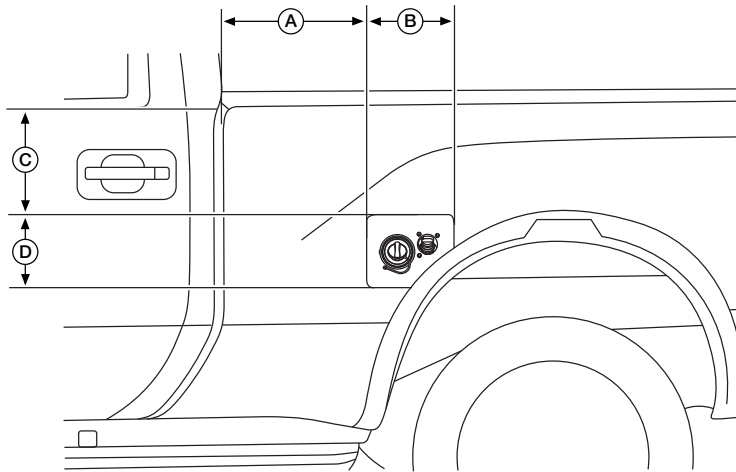


WARNING:

To avoid the risk of personal injury or fire, drain diesel fuel into an approved container and safely dispose of in accordance with local environmental regulations.

FILLER NECK AREAS (DIESEL)

Crew Cab (2016-2019 Model Years)



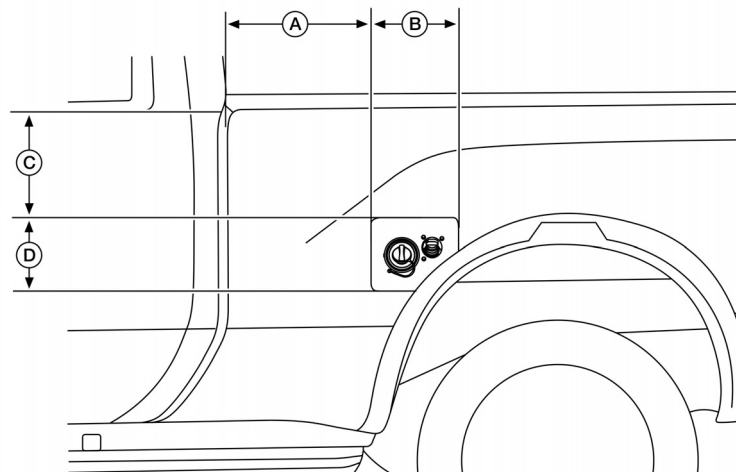
AAZIA0513ZZ

A. 412 mm (16.22 in)
D. 205 mm (8.07 in)

B. 252 mm (9.92 in)

C. 317 mm (12.48 in)

King Cab® (2017-2019 Model Years)



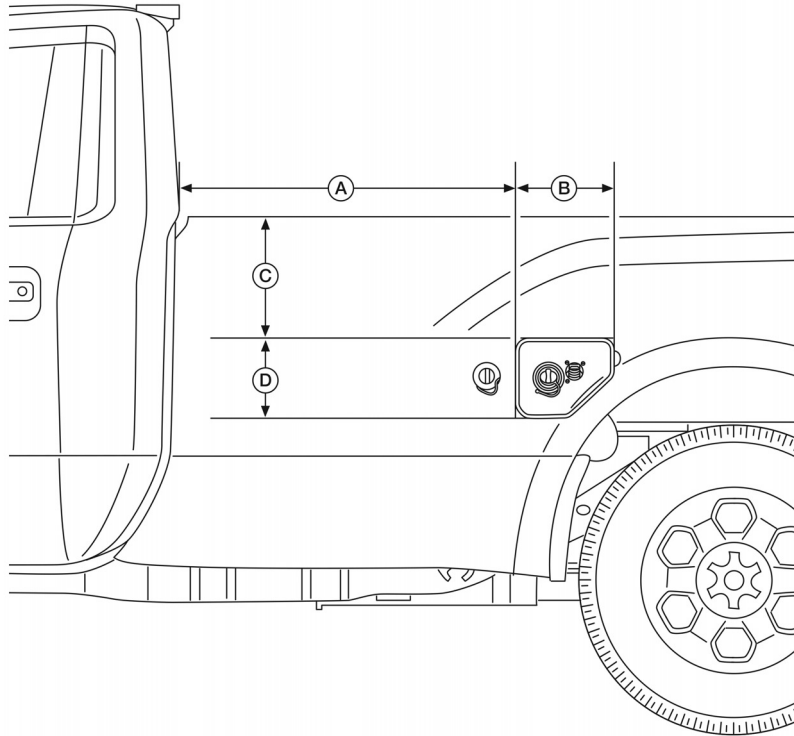
AAZIA0942ZZ

A. 412 mm (16.22 in)
D. 205 mm (8.07 in)

B. 252 mm (9.92 in)

C. 317 mm (12.48 in)

Single Cab (2017-2019 Model Years)



AAZIA0813ZZ

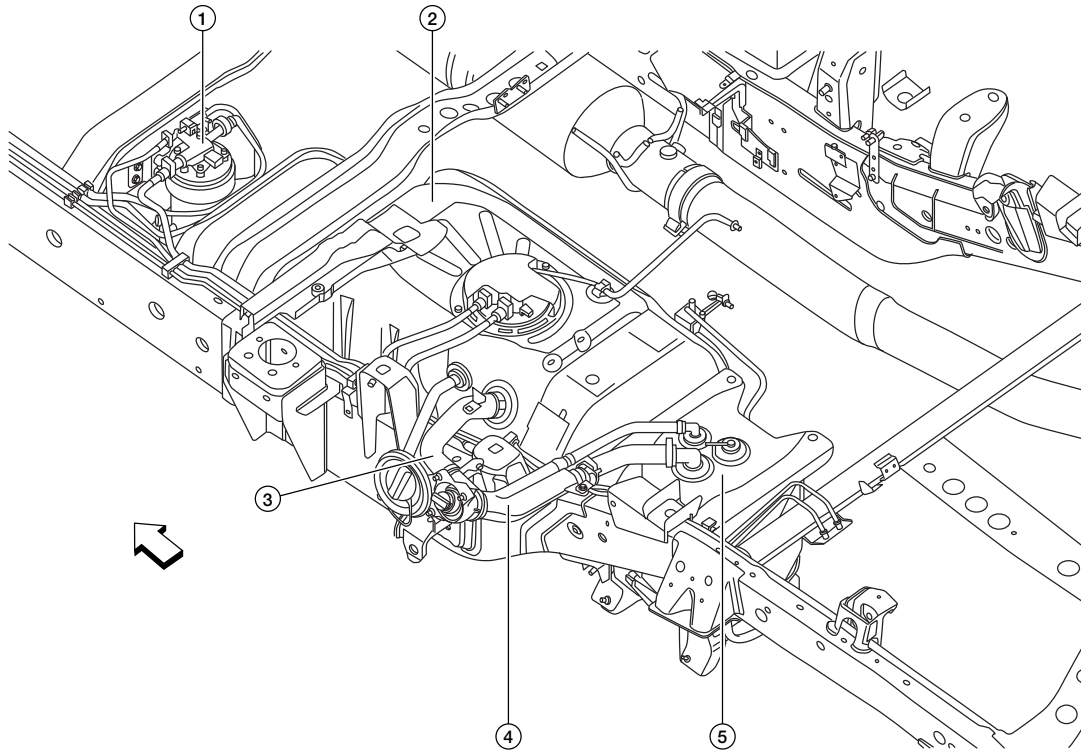
A. 908 mm (35.75 in)

B. 252 mm (9.92 in)

C. 330 mm (13.0 in)

D. 205 mm (8.07 in)

Fuel and DEF Filler Pipe Location (2016-2019 Model Years)



AAZIA0514ZZ

↖: Front of vehicle.

1. Fuel filter

2. Fuel tank

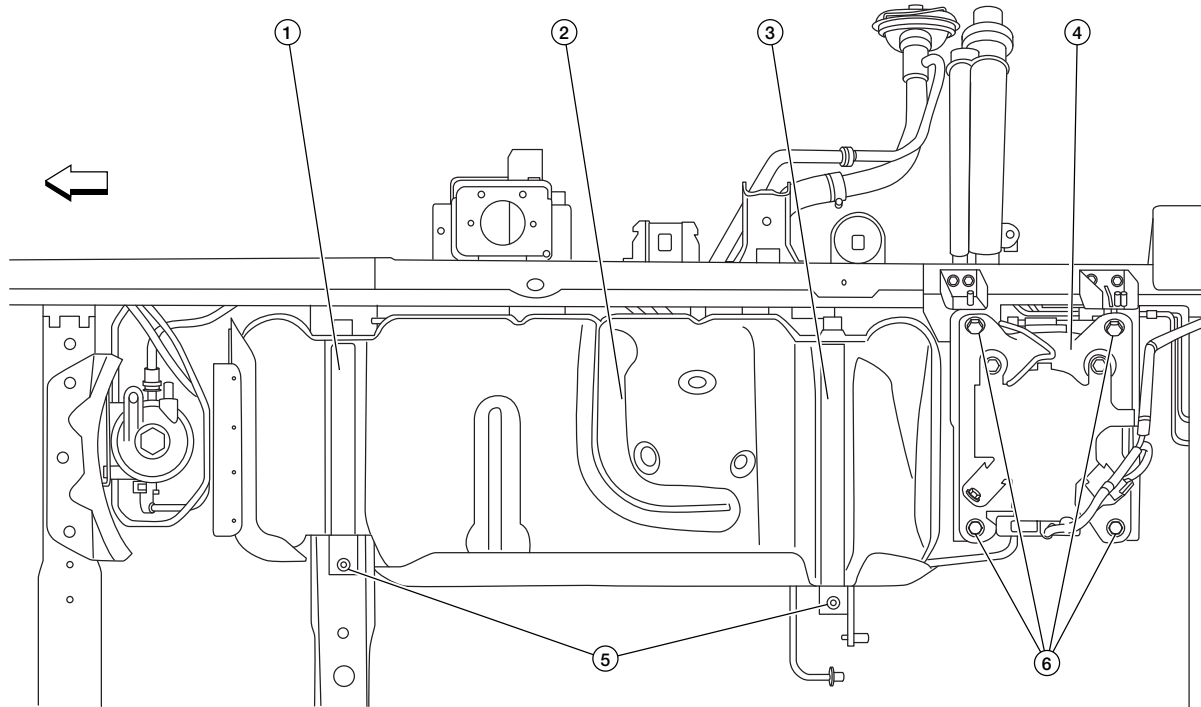
3. Fuel filler tube

4. DEF Filler tube

5. DEF tank

TANK LOCATION (DIESEL)

Tank Mounting (2016-2019 Model Years)



AAZIA0515ZZ

←: Front of vehicle.

- 1. Front tank strap
- 4. DEF tank

- 2. Fuel tank
- 5. Fuel tank strap bolts

- 3. Rear tank strap
- 6. DEF tank nuts and bolts

Drilling Precaution Area



WARNING:

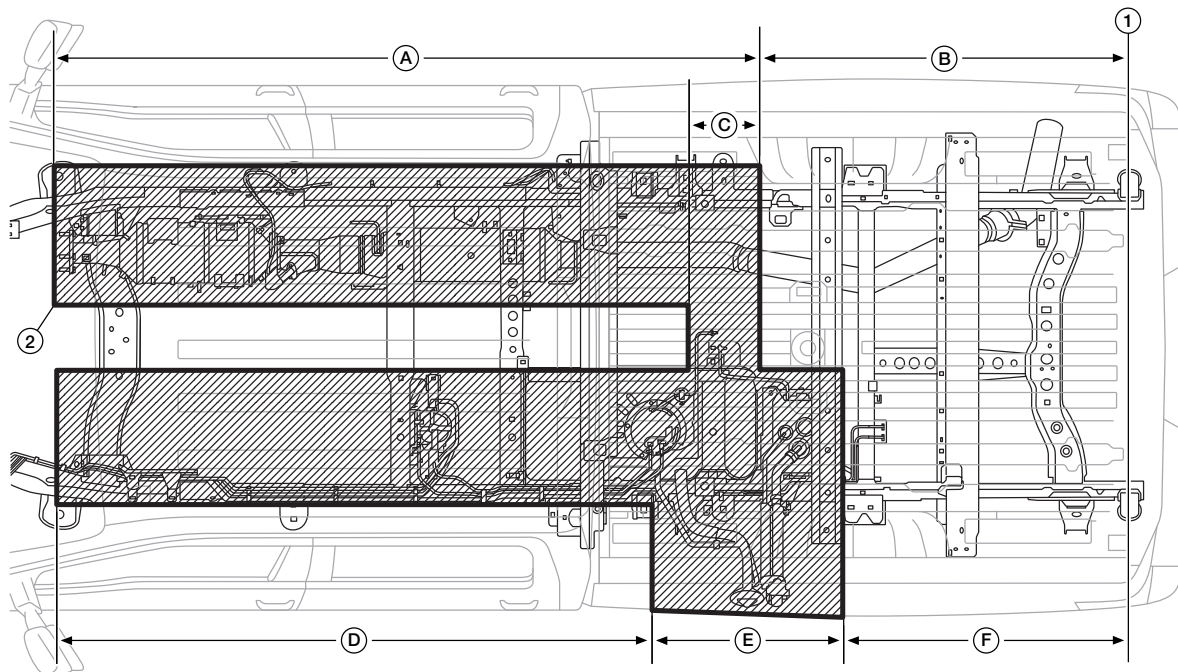
Do not damage the fuel tank or lines when drilling through the floor in the areas shown or component failure and personal injury may occur.



WARNING:

To avoid risk of death or injury caused by vehicle modifications, check for proper clearance between existing components or newly installed components.

Crew Cab — 2016-2018 Model Years



AAZIA0516ZZ

1. Tailgate inner sheet metal (reference line)

2. Fuel/DEF tank drill precaution zone

A. 2,682 mm (105.59 in.)

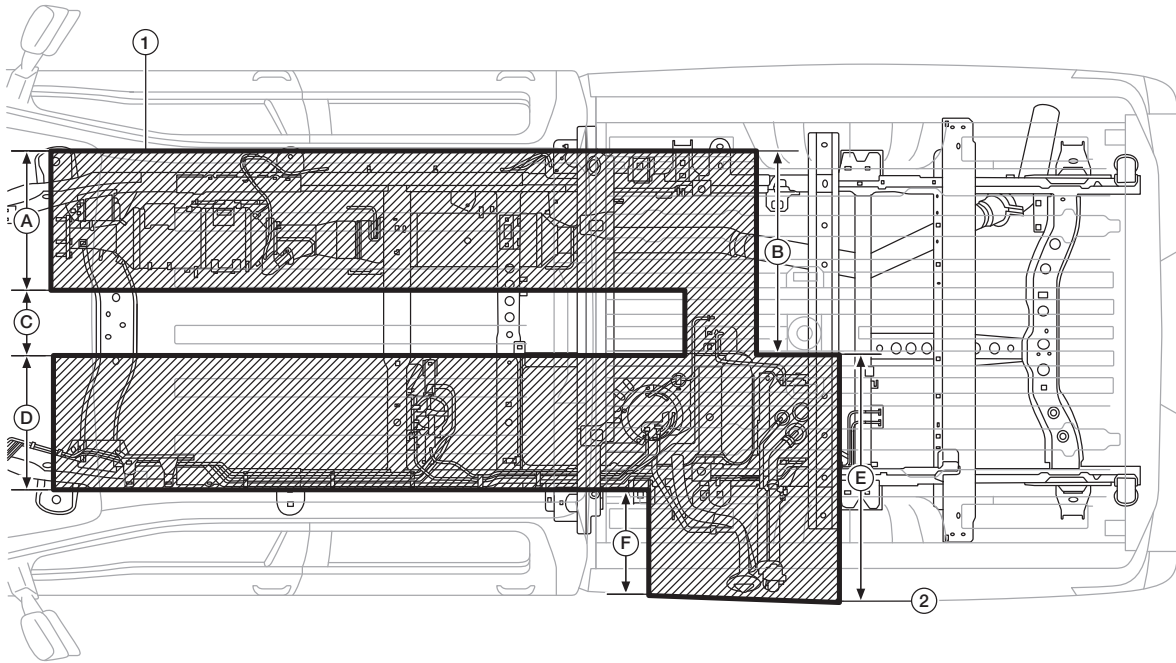
B. 1,409 mm (55.47 in.)

C. 277 mm (10.91 in.)

D. 2,252 mm (88.66 in.)

E. 741 mm (29.17 in.)

F. 1,077 mm (42.40 in.)



AAZIA0517ZZ

1. Fuel/DEF tank drill precaution zone

A. 543 mm (21.38 in.)

D. 538 mm (21.18 in.)

2. Bed side outer sheet metal (reference line)

B. 754 mm (29.68 in.)

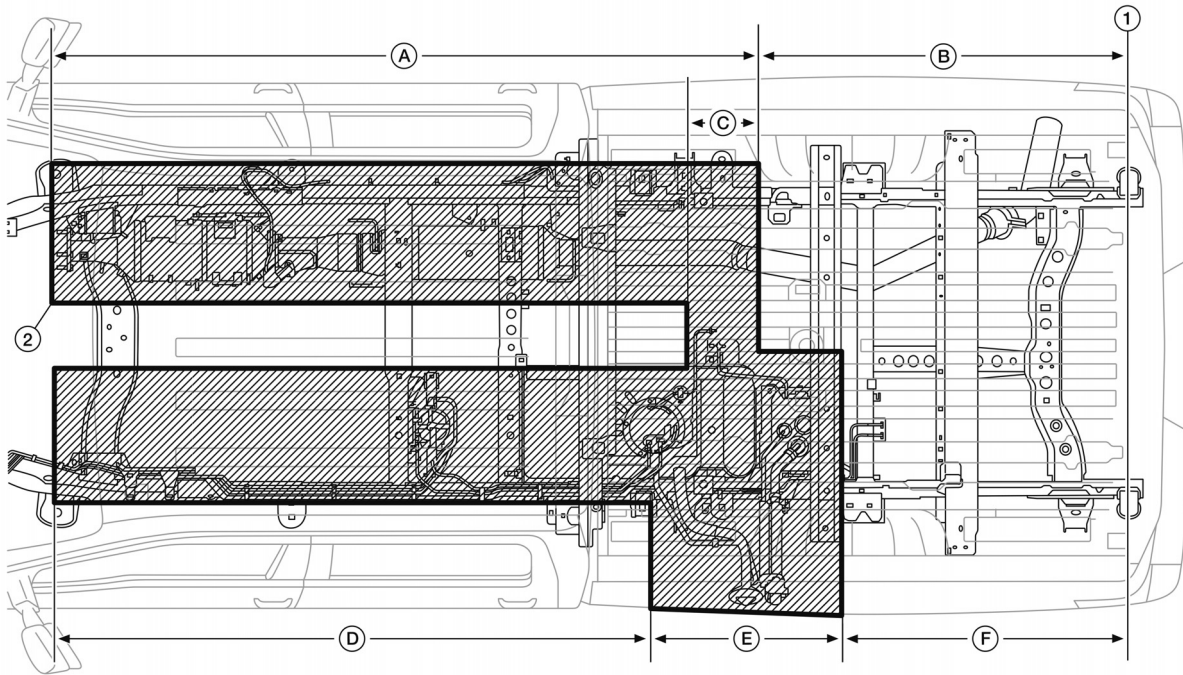
E. 964 mm (37.95 in.)

C. 219 mm (8.62 in.)

F. 375 mm (14.76 in.)

TANK LOCATION (DIESEL)

Crew Cab — 2019 Model Year



TGAAZIA0057ZZ

1. Tailgate inner sheet metal
(reference line)

2. Fuel/DEF tank drill precaution zone

A. 2,682 mm (105.59 in.)

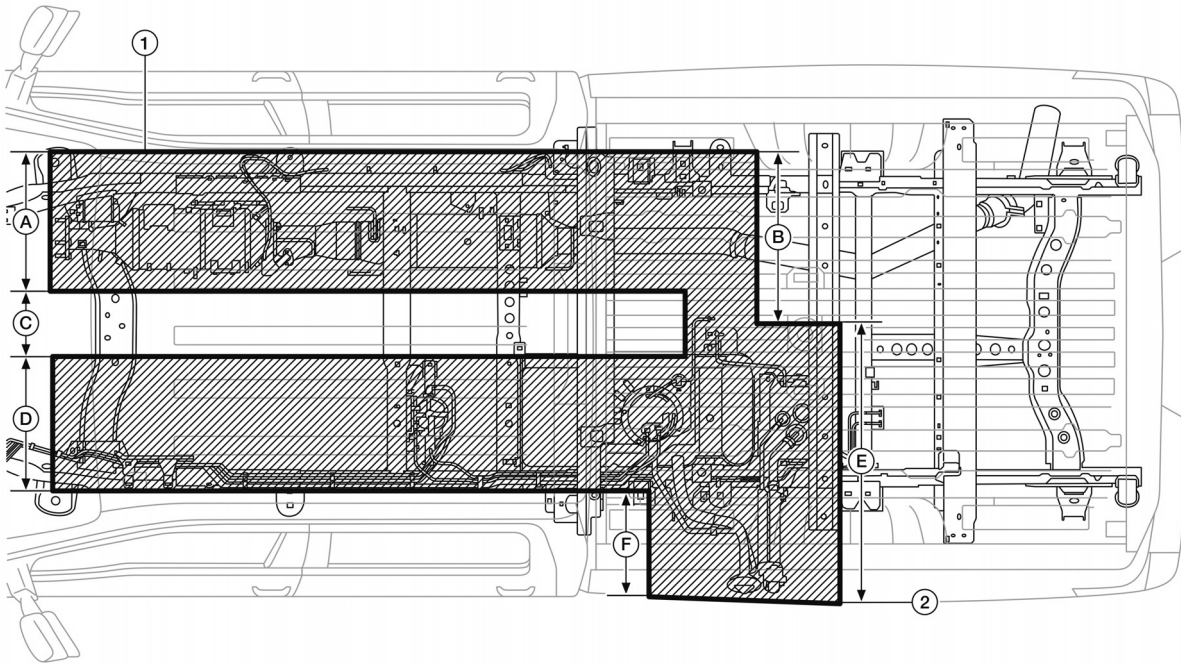
B. 1,409 mm (55.47 in.)

C. 277 mm (10.91 in.)

D. 2,252 mm (88.66 in.)

E. 741 mm (29.17 in.)

F. 1,077 mm (42.40 in.)



TGAAZIA0052ZZ

1. Fuel/DEF tank drill precaution zone

A. 543 mm (21.38 in.)

D. 538 mm (21.18 in.)

2. Bed side outer sheet metal (reference line)

B. 650 mm (25.59 in.)

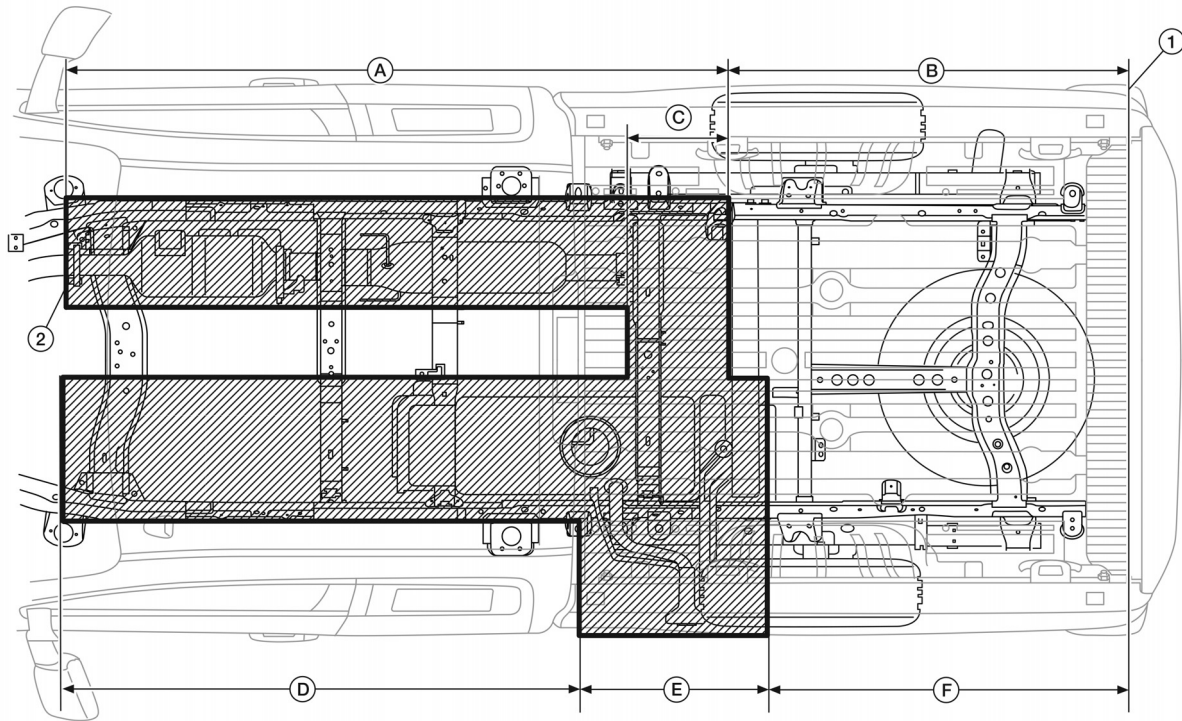
E. 1,068 mm (42.05 in.)

C. 219 mm (8.62 in.)

F. 375 mm (14.76 in.)

TANK LOCATION (DIESEL)

King Cab® — 2017-2018 Model Years



AAZIA0936ZZ

1. Tailgate inner sheet metal
(reference line)

2. Fuel/DEF tank drill precaution zone

A. 3,520.15 mm (138.59 in)

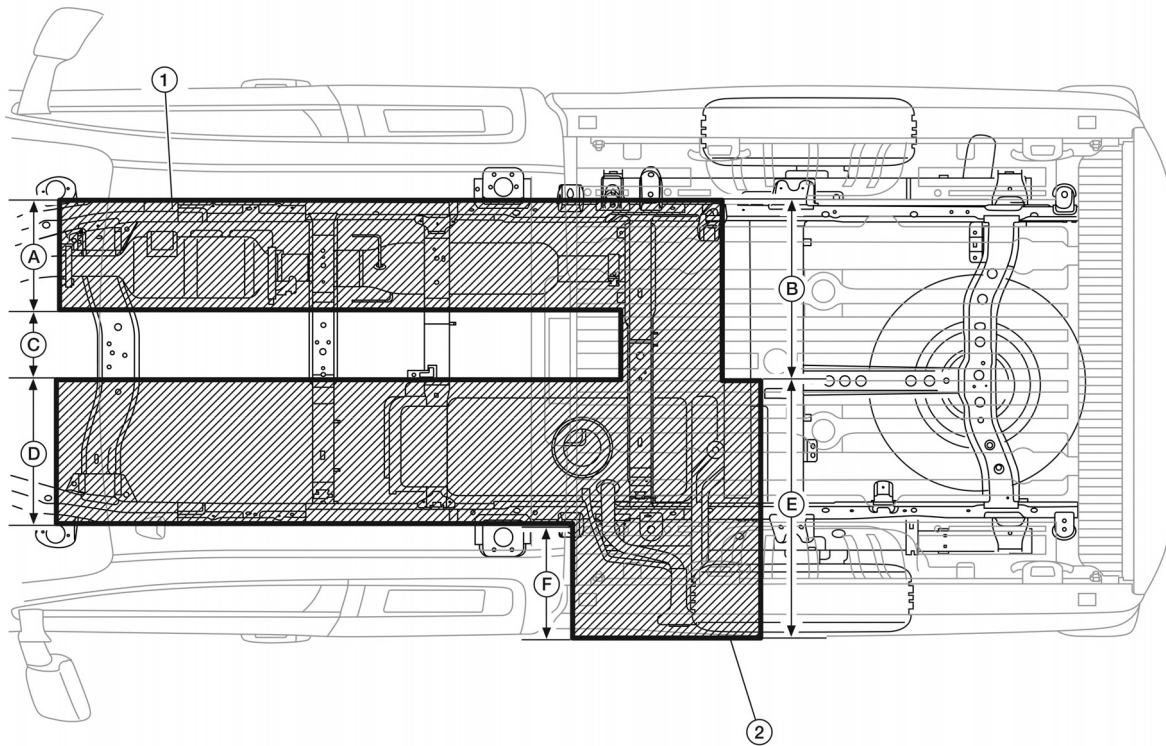
B. 2,128.07 mm (83.78 in)

C. 530.59 mm (20.89 in)

D. 2,755.64 mm (108.49)

E. 1,004.13 mm (39.53 in)

F. 1,911.27 mm (75.25 in)



AAZIA0937ZZ

1. Fuel/DEF tank drill precaution zone

A. 543 mm (21.38 in.)

D. 538 mm (21.18 in.)

2. Bed side outer sheet metal (reference line)

B. 754 mm (29.68 in.)

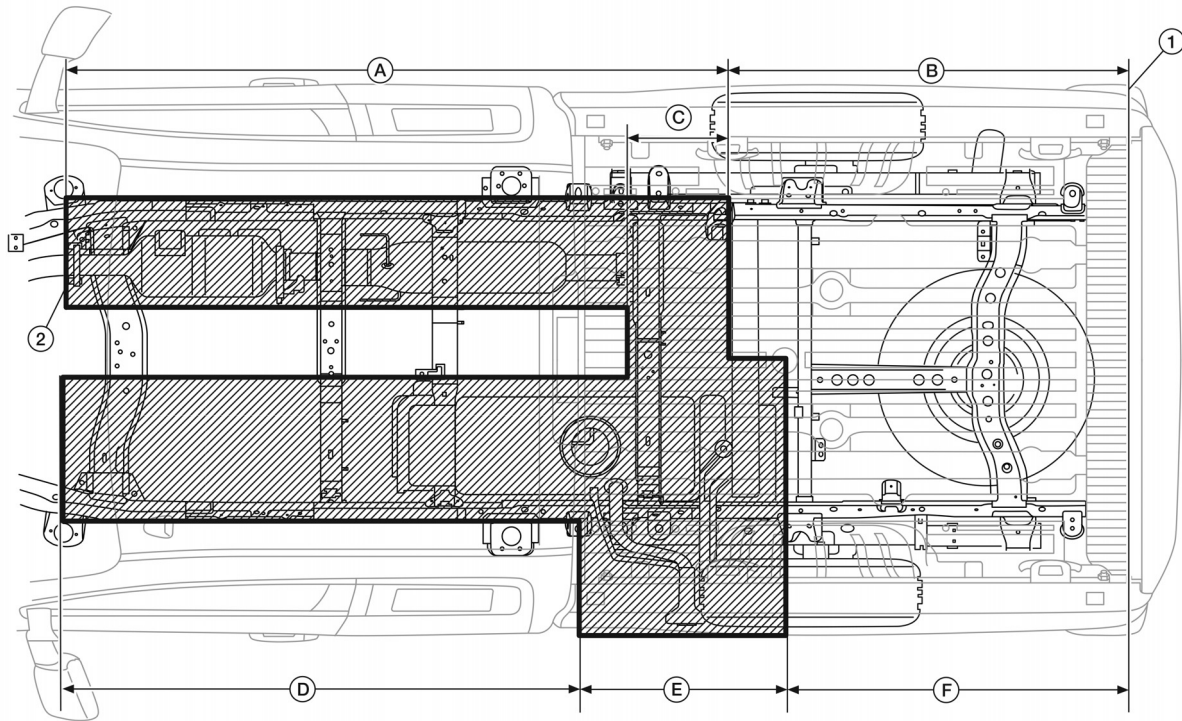
E. 964 mm (37.95 in.)

C. 219 mm (8.62 in.)

F. 375 mm (14.76 in.)

TANK LOCATION (DIESEL)

King Cab® — 2019 Model Year



TGAAZIA0053ZZ

1. Tailgate inner sheet metal
(reference line)

2. Fuel/DEF tank drill precaution zone

A. 3,520.15 mm (138.59 in)

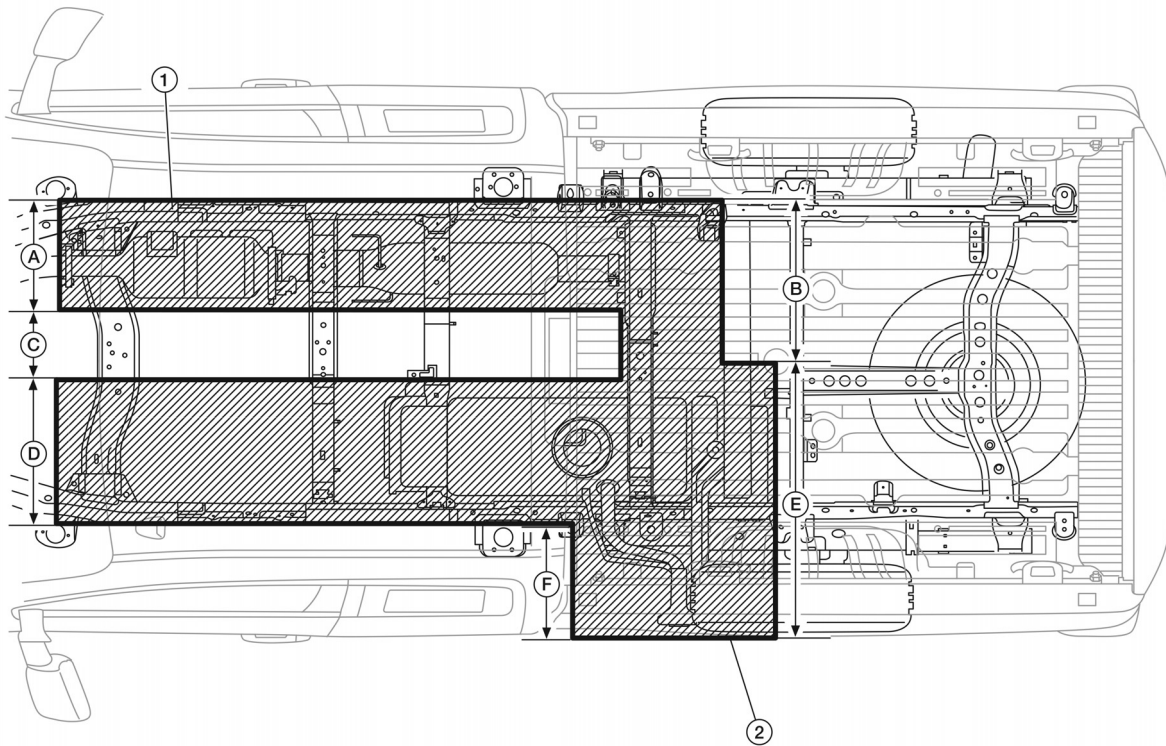
B. 2,128.07 mm (83.78 in)

C. 530.59 mm (20.89 in)

D. 2,755.64 mm (108.49)

E. 1,004.13 mm (39.53 in)

F. 1,911.27 mm (75.25 in)



TGAAZIA0054ZZ

1. Fuel/DEF tank drill precaution zone

2. Bed side outer sheet metal (reference line)

A. 543 mm (21.38 in.)

B. 650 mm (25.59 in.)

C. 219 mm (8.62 in.)

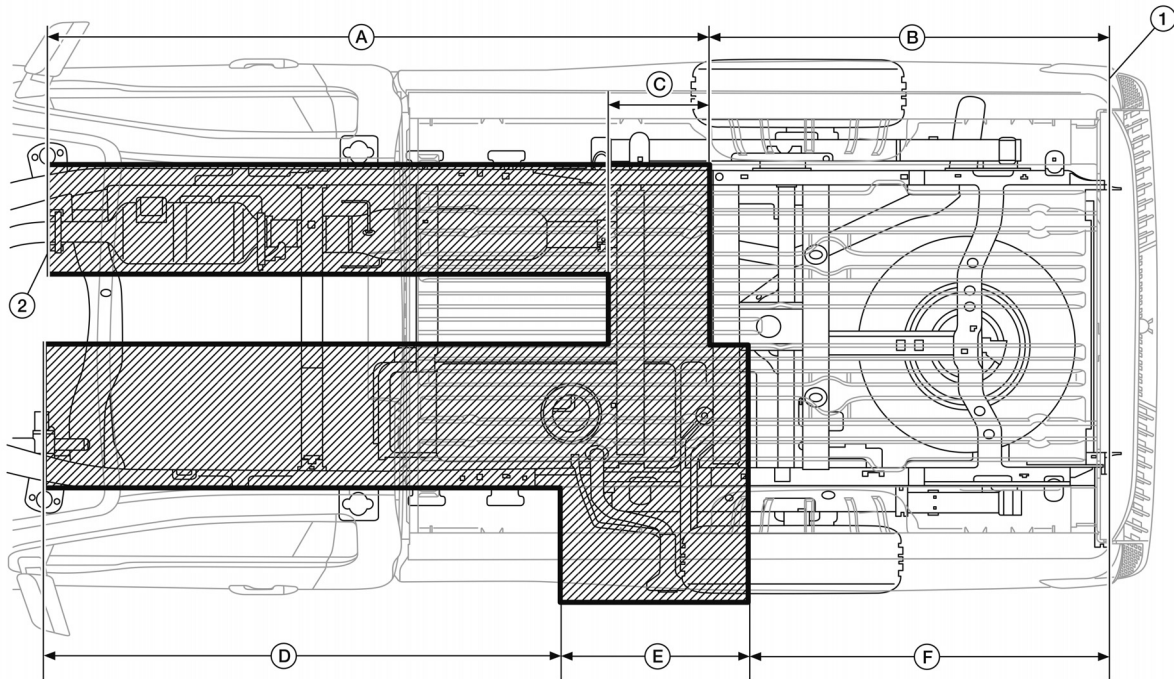
D. 538 mm (21.18 in.)

E. 1,068 mm (42.05 in.)

F. 375 mm (14.76 in.)

TANK LOCATION (DIESEL)

Single Cab — 2017-2018 Model Years



AAZIA0801ZZ

1. Tailgate inner sheet metal
(reference line)

2. Fuel/DEF tank drill precaution zone

A. 3,520.15 mm (138.59 in)

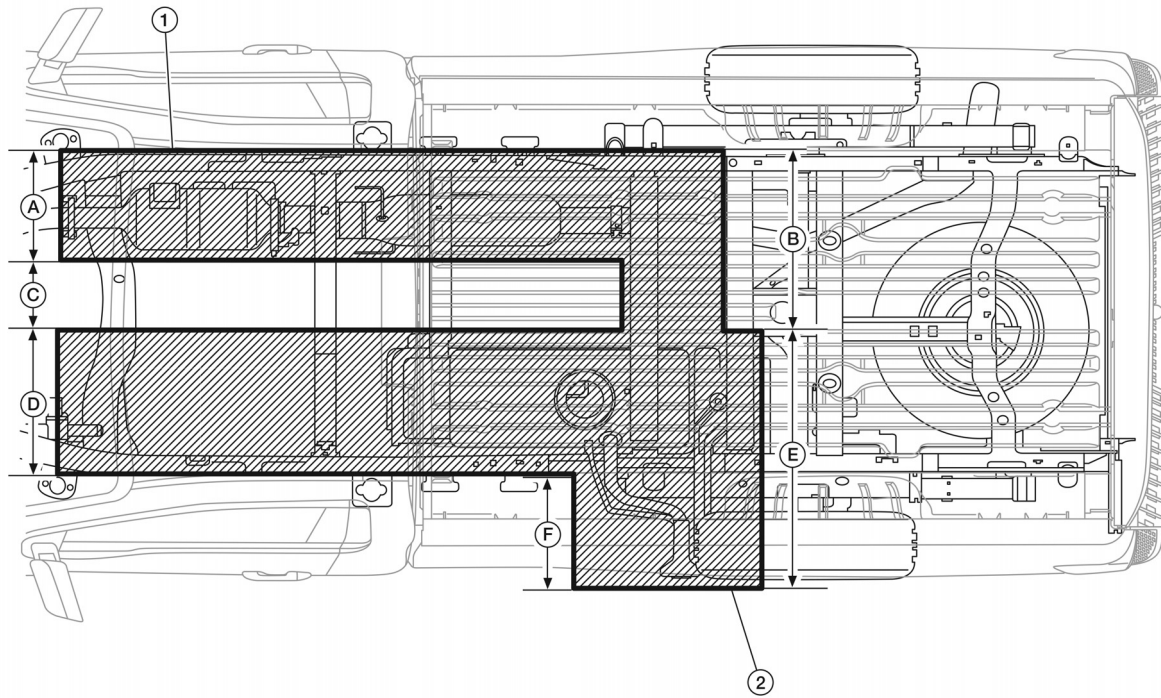
B. 2,128.07 mm (83.78 in)

C. 530.59 mm (20.89 in)

D. 2,755.64 mm (108.49)

E. 1,004.13 mm (39.53 in)

F. 1,911.27 mm (75.25 in)



AAZIA0802ZZ

1. Fuel/DEF tank drill precaution zone

A. 543 mm (21.38 in.)

D. 538 mm (21.18 in.)

2. Bed side outer sheet metal (reference line)

B. 754 mm (29.68 in.)

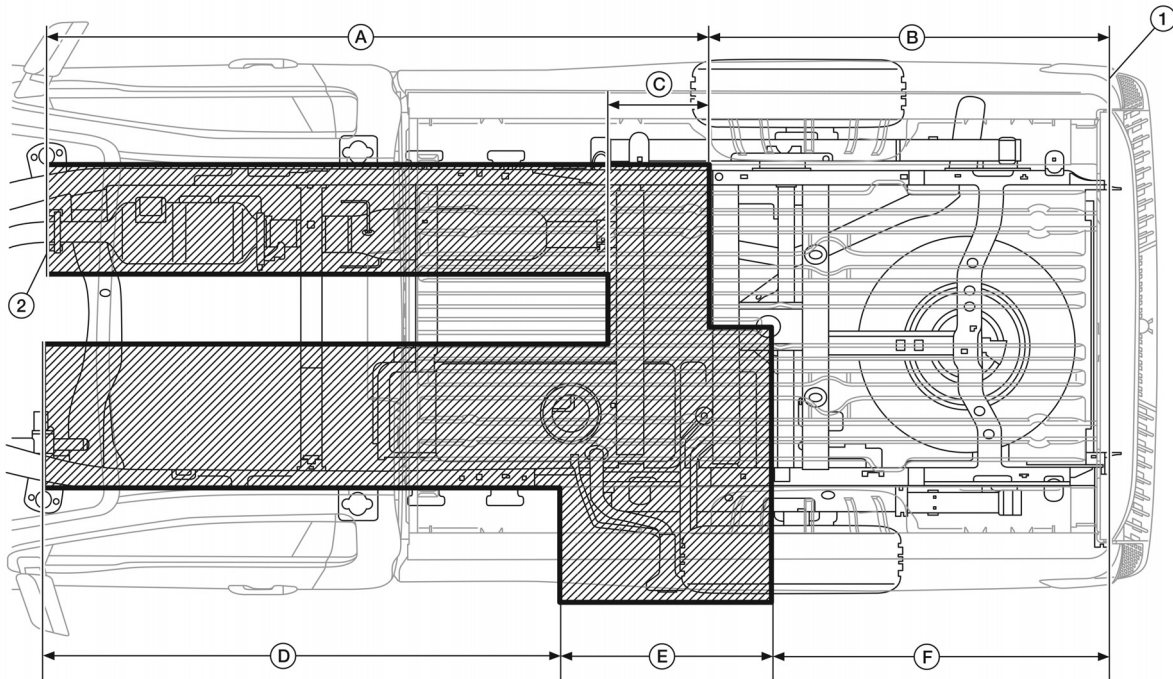
E. 964 mm (37.95 in.)

C. 219 mm (8.62 in.)

F. 375 mm (14.76 in.)

TANK LOCATION (DIESEL)

Single Cab — 2019 Model Year



TGAAZIA0055ZZ

1. Tailgate inner sheet metal
(reference line)

2. Fuel/DEF tank drill precaution zone

A. 3,520.15 mm (138.59 in)

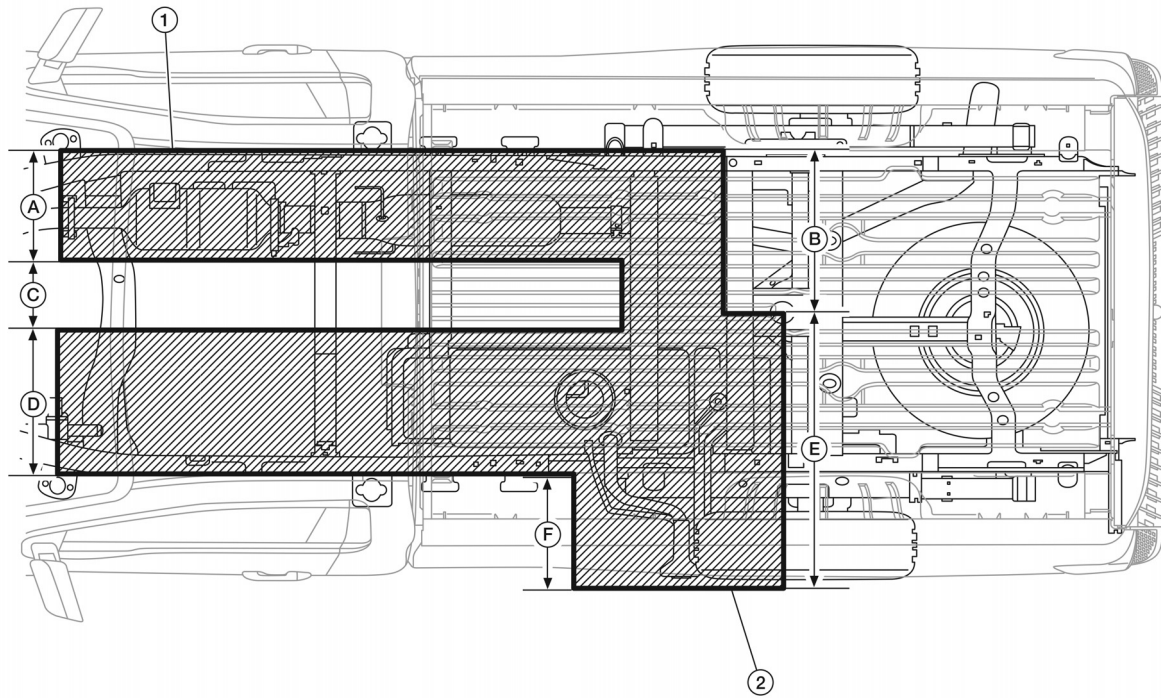
B. 2,128.07 mm (83.78 in)

C. 530.59 mm (20.89 in)

D. 2,755.64 mm (108.49)

E. 1,004.13 mm (39.53 in)

F. 1,911.27 mm (75.25 in)



TGAAZIA0056ZZ

1. Fuel/DEF tank drill precaution zone

2. Bed side outer sheet metal (reference line)

A. 543 mm (21.38 in.)

B. 650 mm (25.59 in.)

C. 219 mm (8.62 in.)

D. 538 mm (21.18 in.)

E. 1,068 mm (42.05 in.)

F. 375 mm (14.76 in.)

FUEL SYSTEM PRECAUTIONS (GASOLINE)

General

Modifications in the fuel system are not recommended, either in the circuit or the components.



WARNING:

When replacing fuel line parts, be sure to observe the following:

- Put a "CAUTION: FLAMMABLE" sign in the workshop.
- Be sure to work in a well-ventilated area and furnish workshop with a CO2 fire extinguisher.
- Do not smoke while servicing fuel system. Keep open flames and sparks away from the work area.

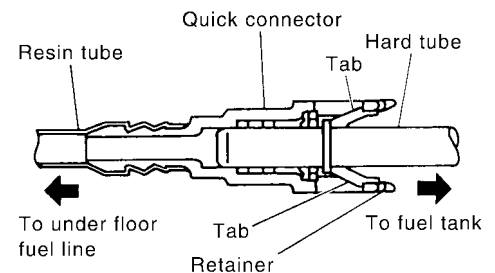


WARNING:

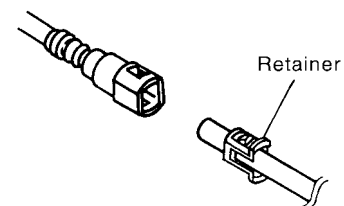
Before removing fuel line parts, carry out the following procedures:

- Put drained fuel in an explosion-proof container and put the lid on securely. Keep the container in safe area.
- Release fuel pressure from the fuel lines. Refer to the [Fuel Pressure Release Procedure \(pg. 444\)](#) in this section.
- Disconnect the battery negative terminal.
- Always replace O-rings and clamps with new ones.
- Do not kink or twist hoses when they are being installed.
- After connecting the fuel tube quick connectors, make sure the quick connectors are secure. Ensure that the connector and resin tube do not contact any adjacent parts.
- After installing tubes, make sure there is no fuel leakage at connections in the following steps:
 - Ignition switch ON to apply fuel pressure to fuel lines (with engine stopped). Then check for fuel leaks at connections.
 - Start the engine and rev it up and check for fuel leaks at connections.
- Use only a Genuine NISSAN fuel filler cap as a replacement. If an incorrect fuel filler cap is used, the MIL may come on.
- For servicing Evaporative Emission System parts, refer to the EC section in the service manual.
- For servicing On Board Refueling Vapor Recovery (ORVR) parts, refer to the EC section in the service manual.

Connection (cross-section)

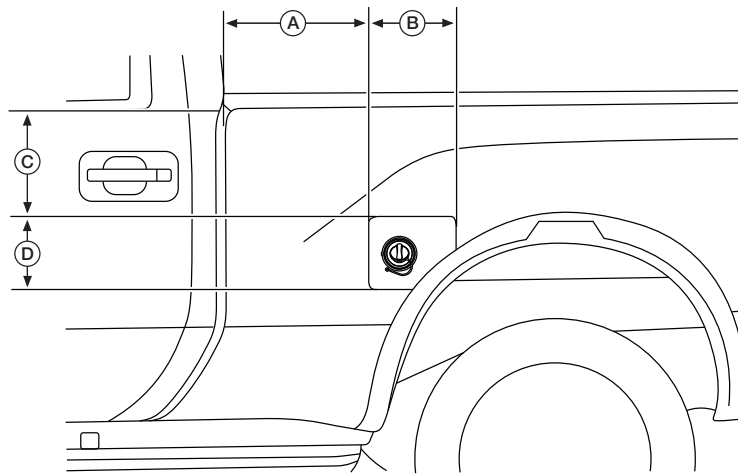


Disconnection



FILLER NECK AREAS (GASOLINE)

Crew Cab



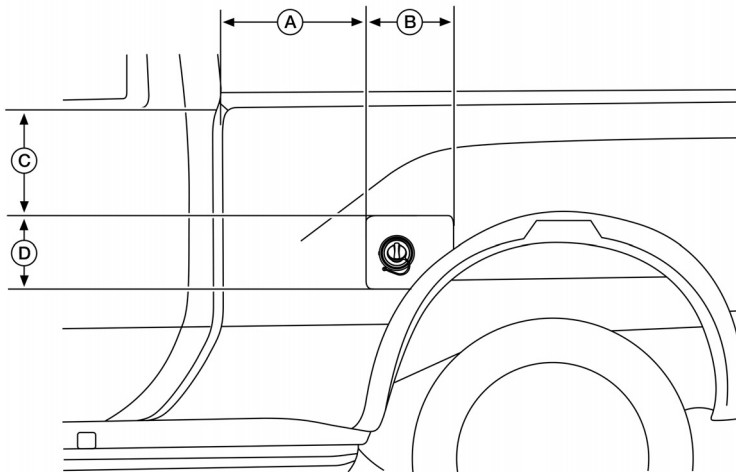
AAZIA0613ZZ

A. 412 mm (16.22 in)
D. 205 mm (8.07 in)

B. 252 mm (9.92 in)

C. 317 mm (12.48 in)

King Cab® (2017-2019 Model Years)



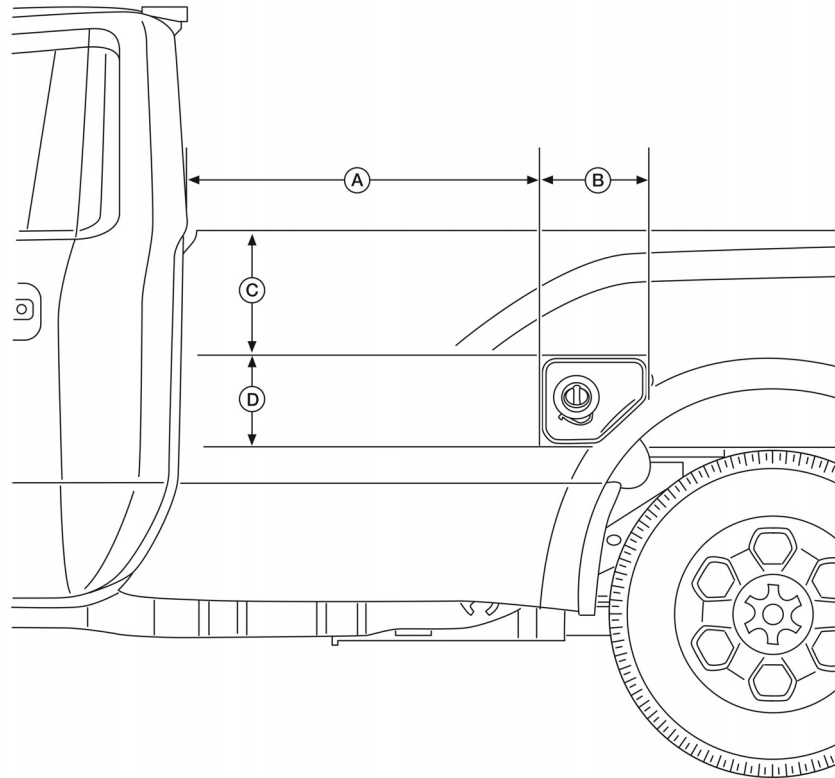
AAZIA0943ZZ

A. 412 mm (16.22 in)
D. 205 mm (8.07 in)

B. 252 mm (9.92 in)

C. 317 mm (12.48 in)

Single Cab (2017-2019 Model Years)



AAZIA0831ZZ

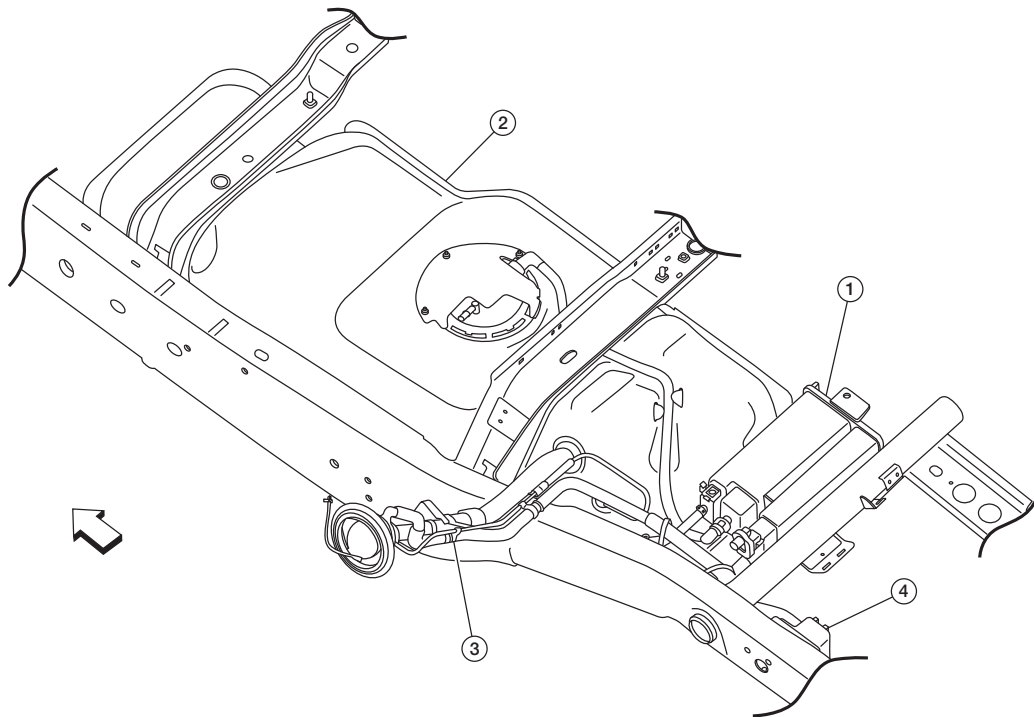
A. 908 mm (35.75 in)

B. 252 mm (9.92 in)

C. 330 mm (13.0 in)

D. 205 mm (8.07 in)

Fuel Filler Pipe Location



AAZIA0618ZZ

↩: Front of vehicle.

1. EVAP canister

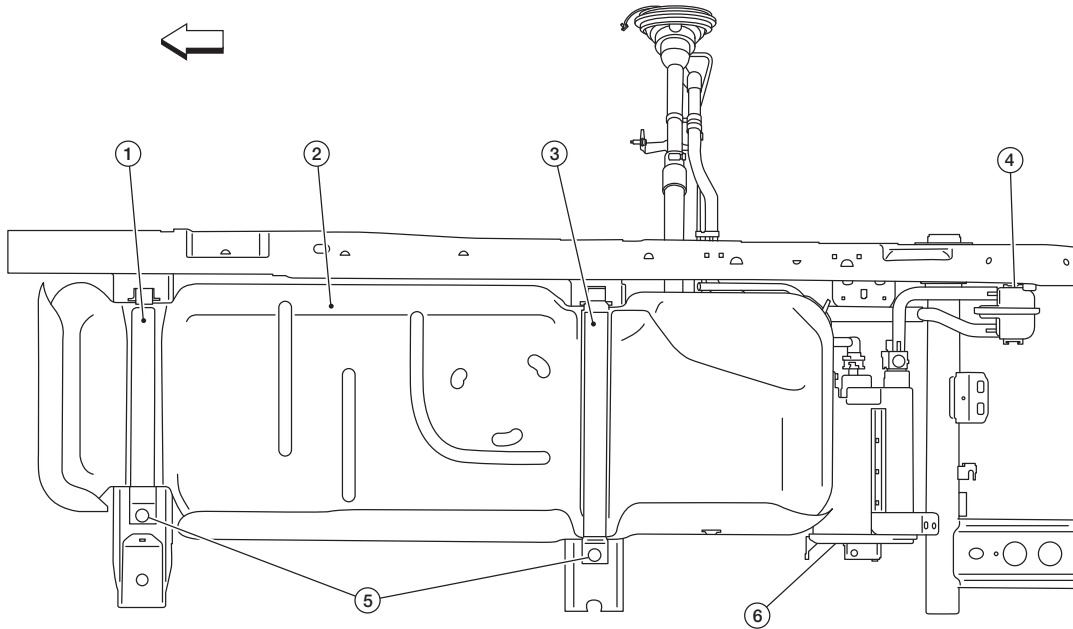
2. Fuel tank

3. Fuel filler tube

4. EVAP filter

TANK LOCATION (GASOLINE)

Tank Mounting



AAZIA0619ZZ

←: Front of vehicle.

- 1. Front tank strap
- 4. EVAP filter

- 2. Fuel tank
- 5. Fuel tank strap bolts

- 3. Rear tank strap
- 6. EVAP canister

Drilling Precaution Area



WARNING:

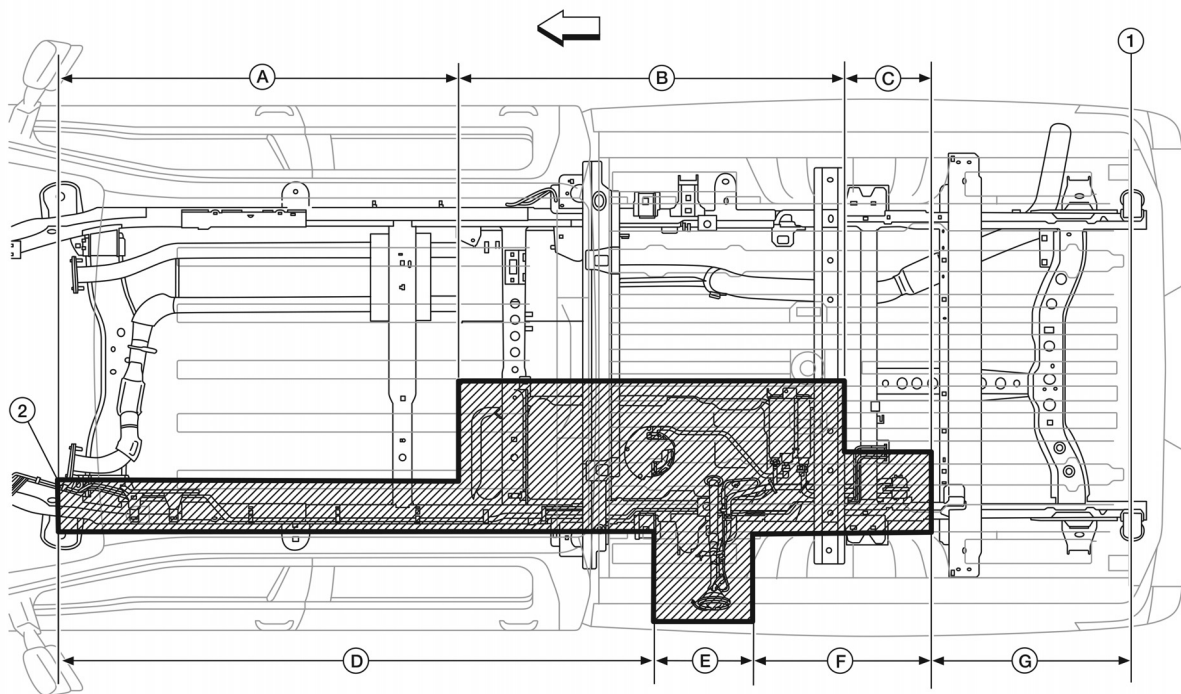
Do not damage the fuel tank or lines when drilling through the floor in the areas shown or component failure and personal injury may occur.



WARNING:

To avoid risk of death or injury caused by vehicle modifications, check for proper clearance between existing components or newly installed components.

Crew Cab



AAZIA0620ZZ

↔: Front of vehicle.

1. Tailgate inner sheet metal (reference line)

A. 1,920 mm (75.59 in.)

D. 2,670 mm (105.12 in.)

2. Fuel tank drill precaution zone

B. 1,385 mm (54.53 in.)

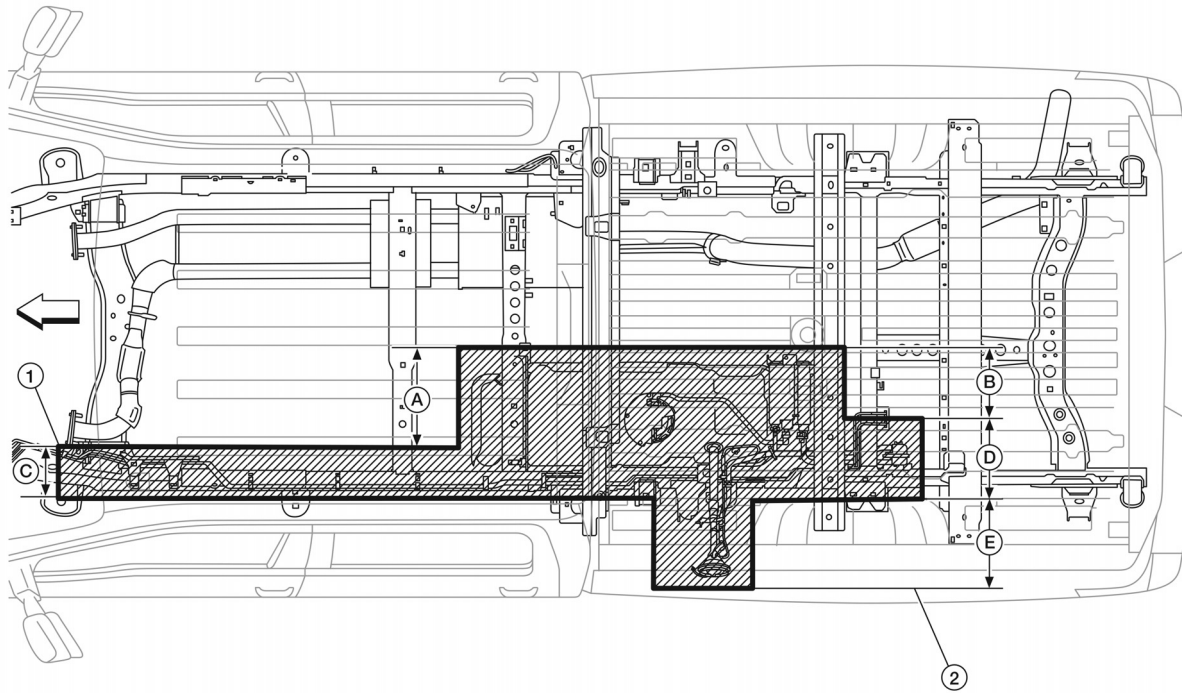
E. 350 mm (13.78 in.)

C. 310 mm (12.20 in.)

F. 750 mm (29.53 in.)

TANK LOCATION (GASOLINE)

[FUEL SYSTEMS]



AAZIA0621ZZ

←: Front of vehicle.

1. Fuel tank drill precaution zone

A. 610 mm (24.02 in.)

D. 570 mm (22.44 in.)

2. Bed side outer sheet metal (reference line)

B. 150 mm (5.91 in.)

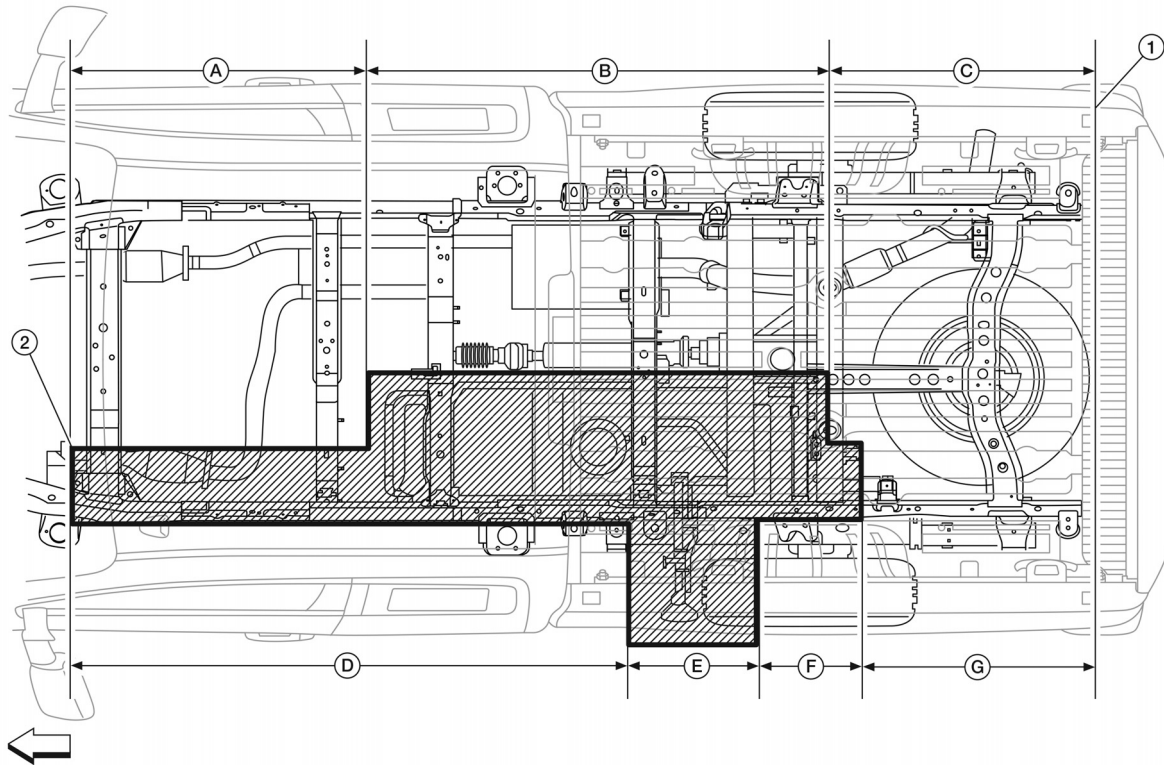
E. 177 mm (6.97 in.)

C. 229 mm (9.02 in.)

TANK LOCATION (GASOLINE)

[FUEL SYSTEMS]

King Cab® (2017-2019 Model Years)



TGAAZIA0045ZZ

↖: Front of vehicle.

1. Tailgate inner sheet metal
(reference line)

A. 952.03 mm (37.48 in)

D. 1,797.09 mm (70.75 in)

G. 746.11 mm (29.37 in)

2. Fuel tank drill precaution zone

B. 1,385 mm (54.53 in)

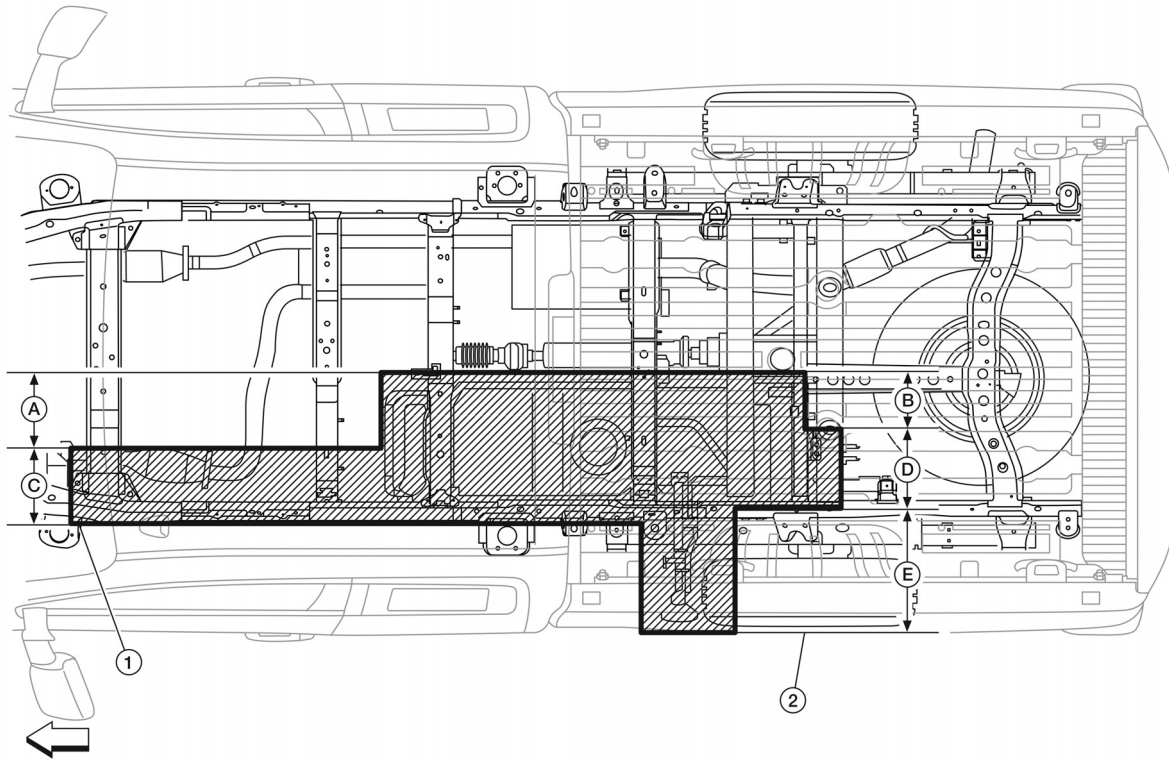
E. 425.20 mm (16.74 in)

C. 963 mm (37.91 in)

F. 334.28 mm (13.16 in)

TANK LOCATION (GASOLINE)

[FUEL SYSTEMS]



TGAAZIA0046ZZ

↖: Front of vehicle.

1. Fuel tank drill precaution zone

A. 399.37 mm (15.72 in)

D. 433.60 mm (17.07 in)

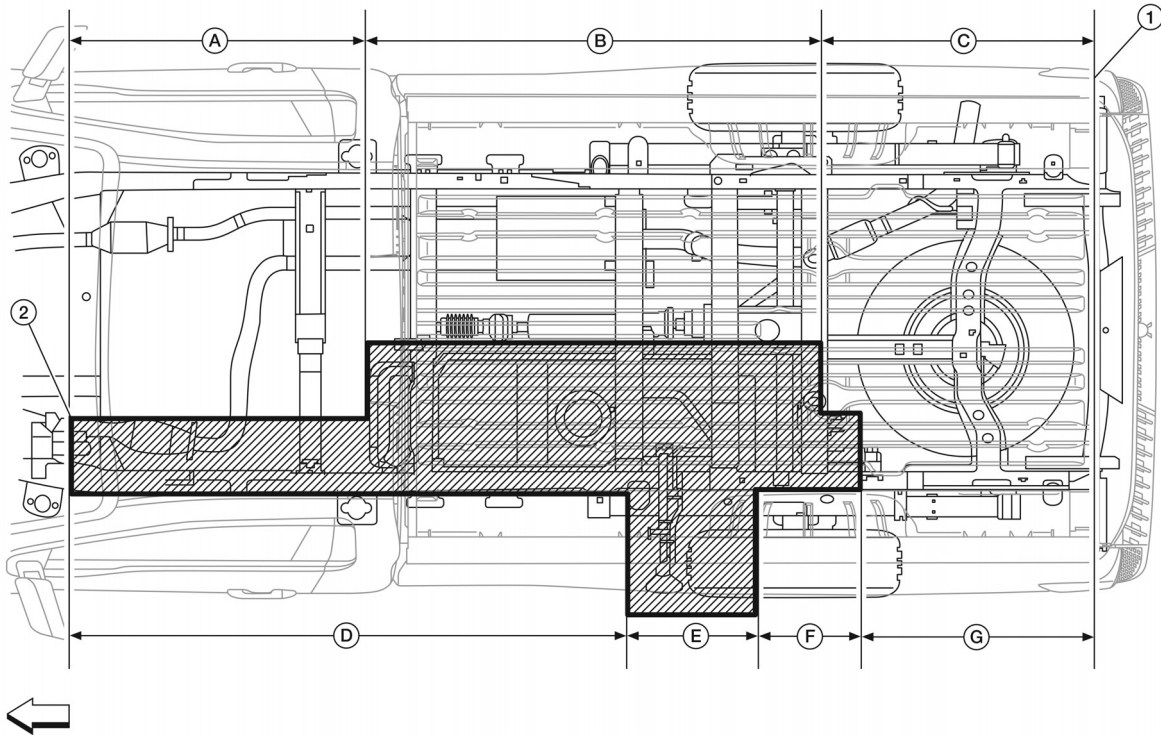
2. Bed side outer sheet metal (reference line)

B. 302.38 mm (112.90 in)

E. 650.40 mm (25.61 in)

C. 410.78 mm (16.17 in)

Single Cab (2017-2019 Model Years)



TGAAZIA0047ZZ

↔: Front of vehicle.

1. Tailgate inner sheet metal
(reference line)

A. 952.03 mm (37.48 in)

D. 1,797.09 mm (70.75 in)

G. 746.11 mm (29.37 in)

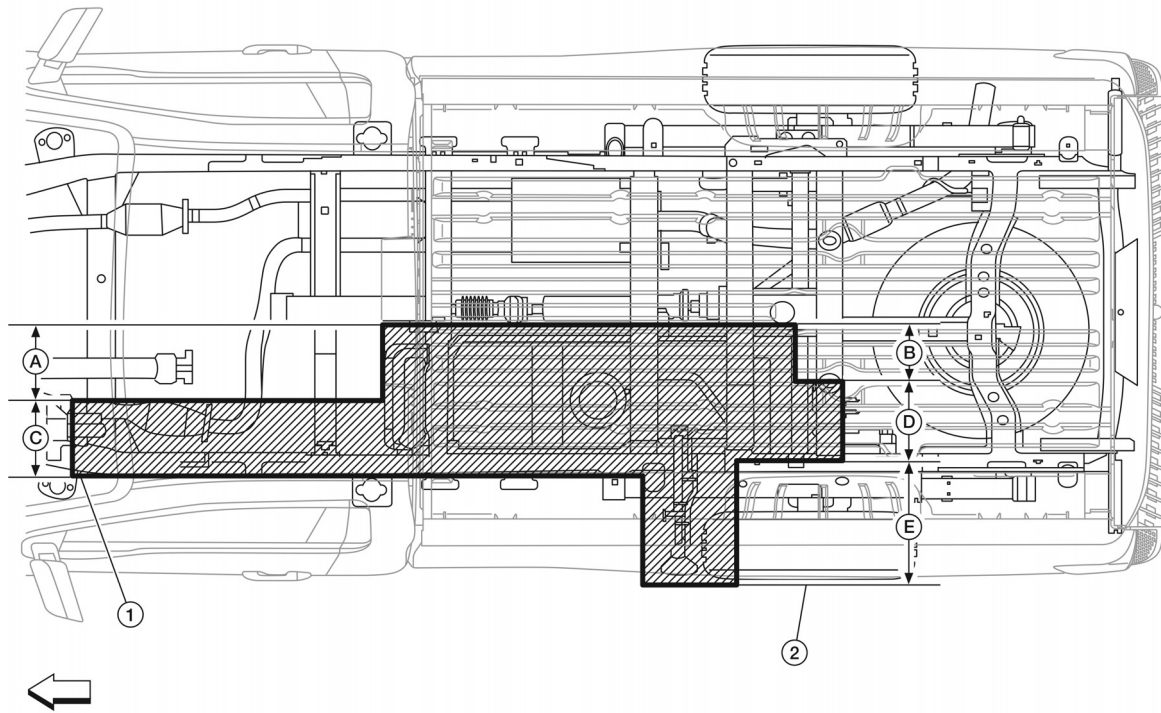
2. Fuel tank drill precaution zone

B. 1,385 mm (54.53 in.)

E. 425.20 mm (16.74 in)

C. 963 mm (37.91 in)

F. 334.28 mm (13.16 in)



TGAAZIA0048ZZ

←: Front of vehicle.

1. Fuel tank drill precaution zone

A. 399.37 mm (15.72 in)

D. 433.60 mm (17.07 in)

2. Bed side outer sheet metal (reference line)

B. 302.38 mm (11.90 in)

E. 650.40 mm (25.61 in)

C. 410.78 mm (16.17 in)

TRAILER TOW

WIRING

Trailer Wiring

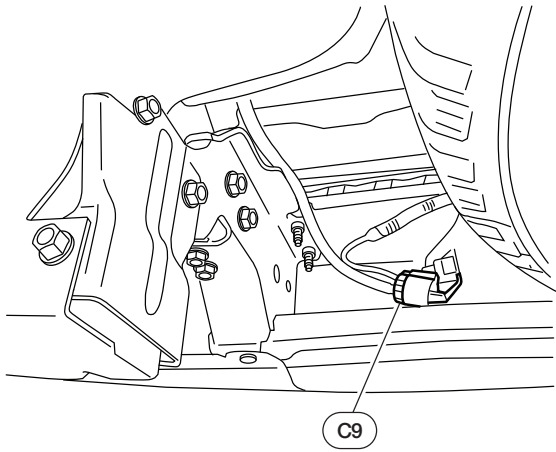
The optional factory-installed trailer tow package includes the necessary wiring, relays, and both a 4-pin and 7-pin connector (mounted on the rear bumper). The vehicle-side connector will accommodate any standard 7-pin connector plug from your trailer.

NOTE:

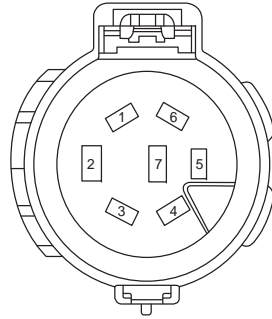
If your vehicle was not equipped with the factory-installed trailer tow package, it is pre-wired to support a Genuine NISSAN accessory trailer wiring kit. To help ensure proper operation, Nissan recommends that only the Genuine NISSAN trailer wiring kit be used. Please contact your Authorized NISSAN Dealer for details. The accessory trailer wiring kit connects to the vehicle harness connector located behind the rear bumper. Refer to the following illustration. For accessory trailer wiring kit installation instructions, refer to www.nissan-techinfo.com.

TRAILER CONNECTOR PRE-WIRING

View behind right rear bumper

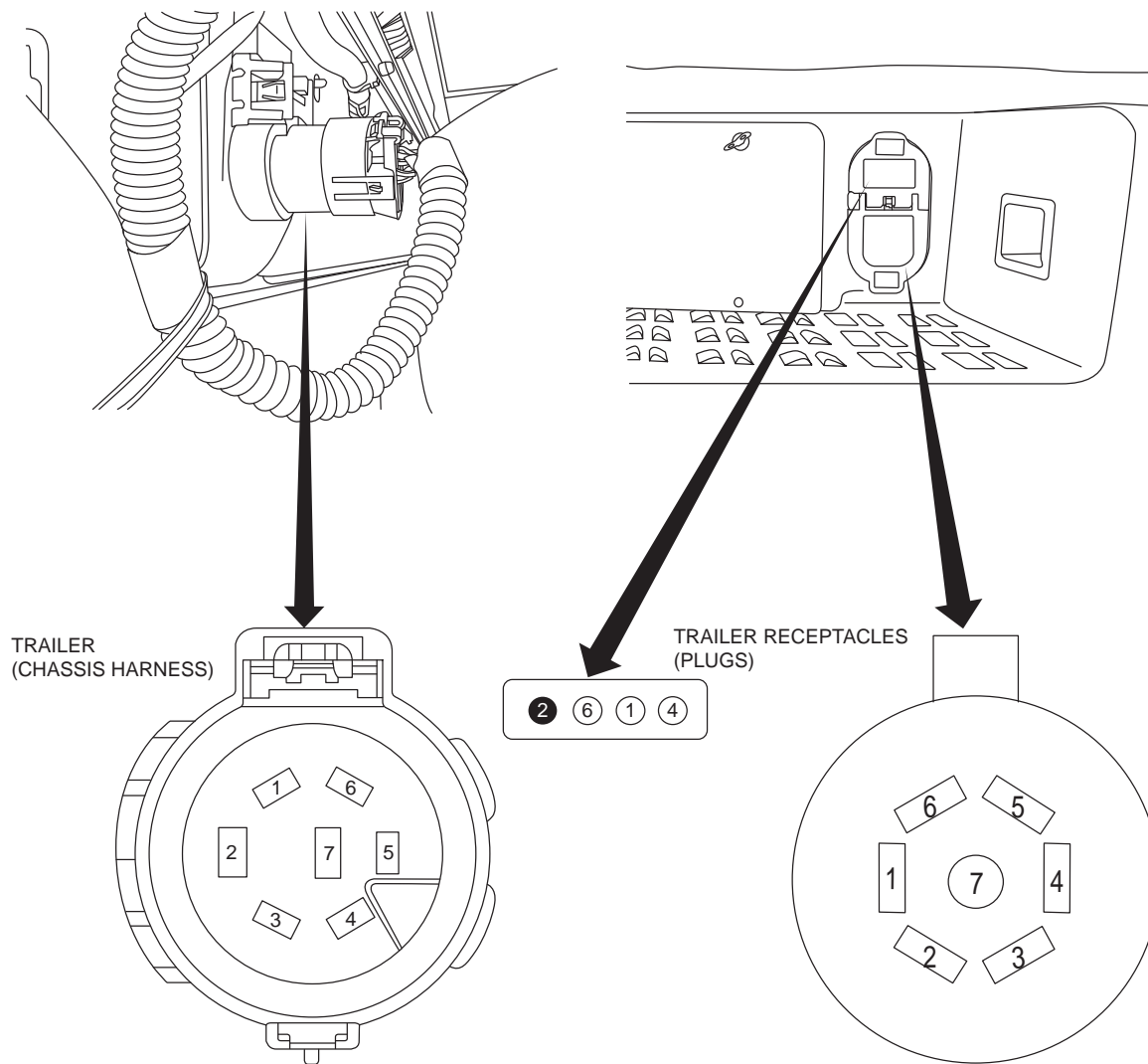


Connector No.	C9
Connector Name	WIRE TO WIRE
Connector Color	Black



⚠ CAUTION: Do not allow total load across these circuits to exceed the maximum load for the ground circuit. Doing so may result in vehicle damage.	Terminal No.	Color of Wire	Signal Name	Wire Gauge	Maximum Load
	1	Light Green/Black	Stop/turn LH	20	10A
	2	Black	Ground	12	20A
	3	Brown/White	Electric brake	12	10A
	4	Yellow/Black	Stop/turn RH	20	10A
	5	White/Blue	Ignition	12	20A
	6	Red	Running lamps	24	4A
	7	Yellow/Red	Back-up lamps	24	4A

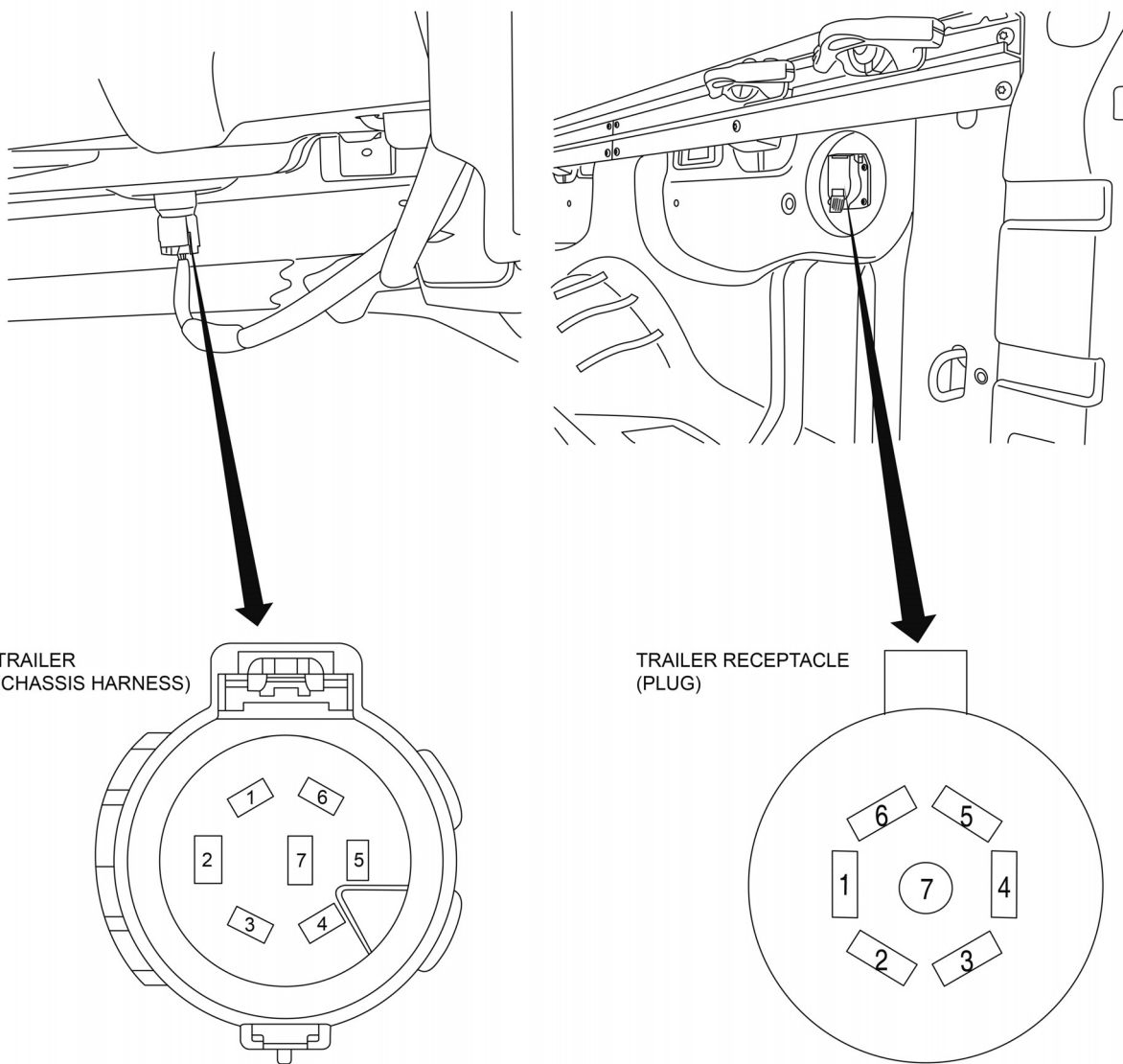
Trailer Connector — Rear Bumper



<p>⚠ CAUTION: Do not allow total load across these circuits to exceed the maximum load for the ground circuit. Doing so may result in vehicle damage.</p>	Terminal No.	Vehicle Harness Color of Wire	Signal Name	Maximum Load
	1	Light Green/Black	Stop/turn LH	10A
	2	Black	Ground	20A
	3	Brown/White	Electric brake	10A
	4	Yellow/Black	Stop/turn RH	10A
	5	White/Blue	Ignition	20A
	6	Red	Running lamps	4A
	7	Yellow/Red	Back-up lamps	4A

AAZIA0389GB

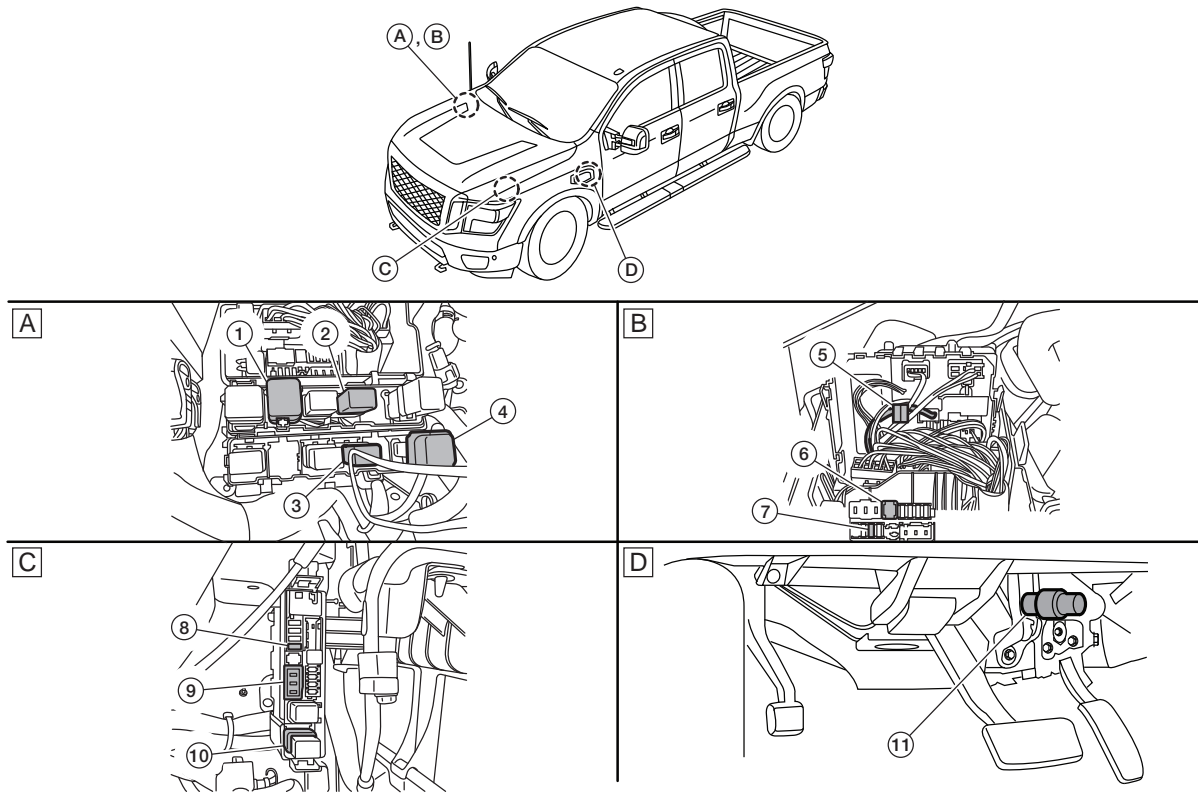
Trailer Connector — In-Bed Gooseneck (Starting With 2019 Model Year)



<p>⚠ CAUTION: Do not allow total load across these circuits to exceed the maximum load for the ground circuit. Doing so may result in vehicle damage.</p>	Terminal No.	Vehicle Harness Color of Wire	Signal Name	Maximum Load
	1	Green/Black	Stop/turn LH	10A
	2	Black	Ground	20A
	3	Brown/White	Electric brake	10A
	4	Yellow/Black	Stop/turn RH	10A
	5	White/Blue	Ignition	20A
	6	Red	Running lamps	4A
	7	Yellow/Red	Back-up lamps	4A

TGAAZIA0016GB

Trailer Tow Component Locations

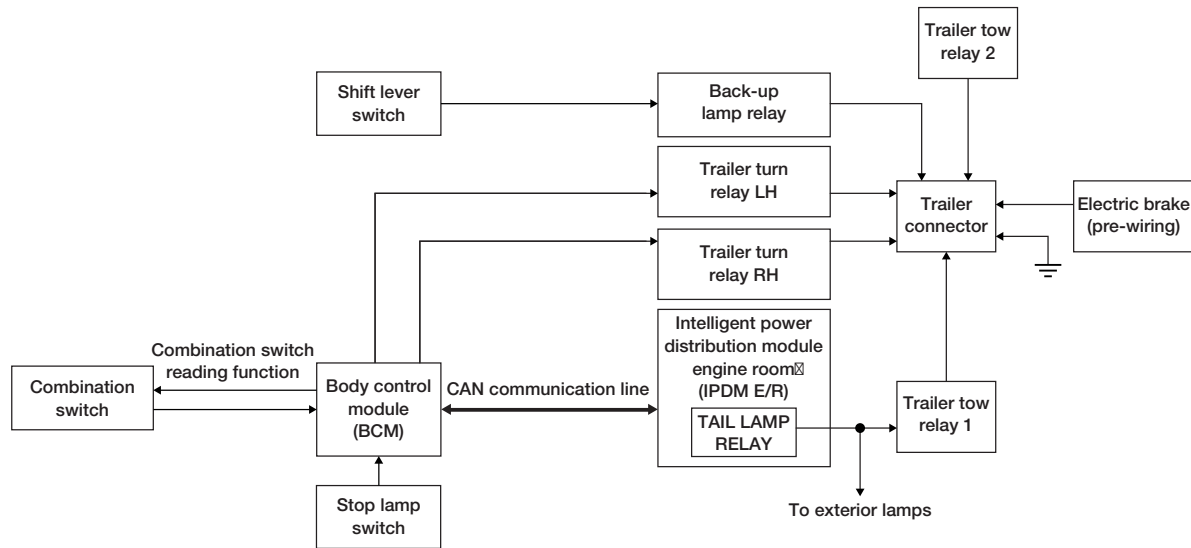


AAZIA0624ZZ

Crew cab shown, single cab and King Cab® locations are the same except as indicated below.

- | | | |
|---------------------------------------|--------------------------|----------------------------------|
| 1. Trailer tow relay 2 | 2. Trailer turn relay LH | 3. Trailer turn relay RH |
| 4. Stop lamp/Inverter relay | 5. Trailer tow fuse | 6. Electric brake (trailer) fuse |
| 7. Turn signal control (trailer) fuse | 8. Trailer reverse fuse | 9. Trailer charge fuse |
| 10. Trailer light check relay | 11. Stop lamp switch | |

System Diagram



AAZIA0388GB

System Description

Trailer Tail Lamp Operation

The trailer tail lamps are controlled by the trailer tow relay 1. With the combination switch in the 1st position, the BCM detects the LIGHTING SWITCH 1ST POSITION ON. The BCM sends a parking light ON request via the CAN communication lines to the IPDM E/R. The IPDM E/R then activates the tail lamp relay which activates the trailer tow relay 1 and sends power to the trailer receptacle.

Trailer Turn Signal Lamp Operation

The trailer turn signal lamps are controlled by the BCM. When the turn signal switch is in the LH or RH position with the ignition switch ON, the combination switch sends a signal to the BCM. The BCM detects the TURN RH ON or TURN LH ON request. The BCM sends a control signal to the respective trailer turn relay which sends power to the trailer receptacle.

Trailer Hazard Lamp Operation

The trailer hazard lamps are controlled by the BCM. When the hazard switch is pressed, the BCM detects the HAZARD ON request. The BCM then sends a control signal to both trailer turn relays which sends power to the trailer receptacle.

Trailer Brake Lamp Operation

The trailer brake lamps are controlled by the BCM. When the brake pedal is depressed, the BCM receives a stop lamp switch signal from the stop lamp switch. The BCM then sends a control signal to both trailer turn relays which sends power to the trailer receptacle.

Trailer Reverse Lamp Operation

The trailer reverse lamps are controlled by the shift lever switch. When the shift selector is placed in Reverse (R) the shift lever switch closes activating the back-up lamp relay, which sends power to the trailer receptacle.

Trailer Lighting Self Test Function

This function allows a self-test to be initiated using the key fob. For more information, refer to the Owner's Manual.

TRAILER SWAY CONTROL

To minimize trailer sway, the vehicle may apply braking to individual wheels based on input from the vehicle sensors and vehicle speed. Trailer sway control is a function of the Vehicle Dynamic Control (VDC) system and is active when the VDC function is enabled.



CAUTION:

If the VDC-OFF switch is on (meaning VDC system OFF), the trailer sway control is also disabled.

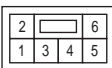
When Trailer Sway Control is in operation, the VDC warning light blinks. When vehicle control is regained, VDC warning light will turn OFF.

BRAKE CONTROLLER

For vehicles without a factory-installed electric brake controller, a 6-pin electric brake pre-wiring connector and a jumper harness is included from the factory. This jumper harness contains the necessary circuits to install an aftermarket electric brake controller. The pre-wiring connector is located in the passenger compartment on the driver's side, taped back to the main harness behind the instrument panel above the parking brake pedal. Refer to the illustration and wiring information on the following page.

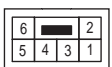
Electric Brake (Pre-wiring) Connector

Connector No.	M190
Connector Name	ELECTRIC BRAKE (PRE-WIRING)
Connector Color	WHITE



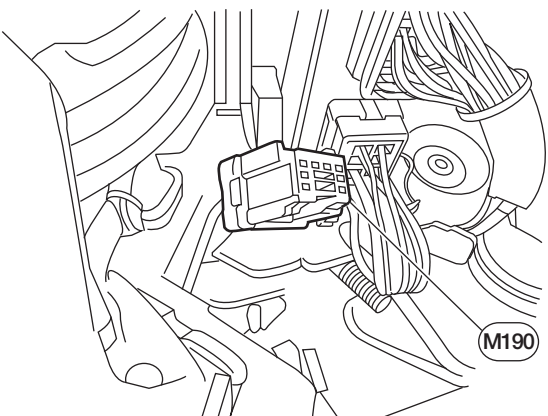
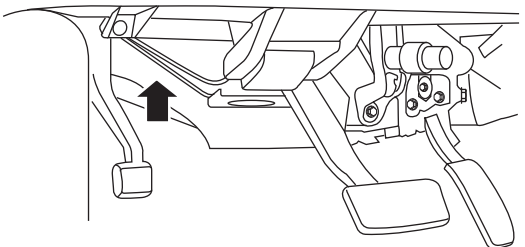
Terminal No.	Color of Wire	Signal Name	Wire Gauge
1	Black	GND	14
2	Red/Green	STOP LAMPS	23
3	Brown/White	TRAILER BRAKE	14
4	Blue	ILLUMINATION	22
5	Red	B+	14

Connector No.	—
Connector Name	ELECTRIC BRAKE (PRE-WIRING) (JUMPER HARNESS SIDE)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	Black	GND
2	Red/Green	STOP LAMPS
3	Brown/White	TRAILER BRAKE
4	Red/Blue	ILLUMINATION (NOT USED)
5	Red	B+

ELECTRIC BRAKE PRE-WIRING



TRAILER HITCH

Adding A Hitch



WARNING:

To avoid risk of death or injury caused by potential trailer separation, special hitches, which include frame reinforcements, are required for towing above 907 kg (2,000 lbs).

The hitch should not be attached to or affect the operation of the impact absorbing bumper.

Do not use axle-mounted hitches.

Do not modify the vehicle exhaust system, brake system, etc., to install a trailer hitch.

To reduce the possibility of additional damage if your vehicle is struck from the rear, where practical, remove the receiver when not in use.

Regularly check that all trailer hitch mounting bolts are securely mounted.

When towing with the hitch ball mounted to the rear bumper, do not make sharp turns. The trailer may contact the bumper and cause damage to the bumper or trailer.

Weight Distribution Hitch

This type of hitch is also called a "load-leveling" or "equalizing hitch". A set of bars attach to the ball mount and to the trailer to distribute the tongue weight (hitch weight) of your trailer. Many vehicles can't carry the full tongue weight of a given trailer and need some of the tongue weight transferred through the frame and through pushing down on the front wheels. This gives stability to the tow vehicle. A weight distributing hitch system (Class IV) is required if you plan to tow trailers with a maximum weight of over 2,268 kg (5,000 lbs). Check with the trailer and towing equipment manufacturers to determine if they recommend the use of a weight distributing hitch system.

NOTE:

If your vehicle was not equipped with the factory-installed trailer tow package, it is pre-wired to support a Genuine NISSAN accessory trailer wiring kit. To help ensure proper operation, Nissan recommends that only the Genuine NISSAN trailer wiring kit be used. Please contact your Authorized NISSAN Dealer for details. The accessory trailer wiring kit connects to the vehicle harness connector located behind the rear bumper. Refer to [Trailer Wiring \(pg. 455\)](#). For accessory trailer wiring kit installation instructions, refer to www.nissan-techinfo.com.

Follow the instructions provided by the manufacturer for installing and using the weight distributing hitch system.

General setup instructions are as follows:

1. Park the unloaded vehicle on a level surface.
2. Measure the height of a reference point on the front and rear bumpers at the center of the vehicle.
3. Attach the trailer to the vehicle and adjust the hitch equalizers so that the front bumper height is within 13 mm (0.6 in) of the reference height measured in step 2. The rear bumper should be no higher than the reference height measured in step 2.

**WARNING:**

Properly adjust the weight distributing hitch so that the rear of the bumper is no higher than the measured reference height when the trailer is attached. If the rear bumper is higher than the measured reference height when loaded, the vehicle may handle unpredictably, which could cause a loss of vehicle control and cause serious personal injury or property damage.

Class I Hitch

The Genuine NISSAN step bumper is considered a Class I ball mount. It can be used to tow trailers with a maximum weight of 907 kg (2,000 lbs).

Class II Hitch

Class II trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers with a maximum weight of 1,587.3 kg (3,500 lbs)

Class III Hitch

Class III trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers with a maximum weight of 2,268 kg (5,000 lbs).

Class IV Hitch

Weight Carrying - Class IV trailer hitch equipment (receiver, ball mount and hitch ball) can be used to tow trailers with a maximum gross trailer weight (GTW) of 4,535 kg (10,000 lbs) and a maximum trailer tongue weight (TW) of 453 kg (1,000 lbs).

Weight Distribution - Class IV hitches used with a weight distribution system are rated to tow trailers up to 6,350 kg (14,000 lbs) gross trailer weight (GTW) and a maximum trailer tongue weight (TW) of 635 kg (1,400 lbs). Not all Class IV hitches are compatible with a weight distribution system, a higher class drawbar does not increase the towing capacity of the Class IV hitch. The weight distributed tow rating can only be achieved using a weight distributing system. See the specific hitch manufacturer for that information.

Gooseneck Hitch

This type of hitch is mounted to the frame and is accessible in the bed of the truck.

The king pin weight should be 15 to 25% of the fully loaded trailer. Make sure the king pin weight does not cause the gross vehicle weight to exceed the Gross Maximum Weight Rating or the rear axle weight to exceed the Rear Gross Axle Weight rating.

The weight of the trailer should not exceed the maximum towing capacity for the vehicle. To determine the available towing capacity, refer to the vehicle Owner's Manual.

DESIGN REQUIREMENTS FOR MODIFICATIONS

COOLING

Engine Cooling System

**WARNING:**

Coolant is toxic and can be fatal if swallowed. Keep away from pets and children. If not reused, dispose of in accordance with local environmental regulations.

**WARNING:**

To avoid the risk of personal injury, do not remove the radiator cap when the engine is hot. Serious burns could occur from high-pressure engine coolant escaping from the radiator. Wrap a thick cloth around the cap. Slowly turn it a quarter of a turn to release built-up pressure. Carefully remove the radiator cap by turning it all the way.

**CAUTION:**

No modification to the engine cooling system (radiator, radiator shroud, cooling fans, liquid cooling circuit, etc.) is allowed. Sufficient air passage to the radiator must be maintained, therefore, do not block the air passage through the radiator grille to the radiator with publicity plates, posters, trim or other decorative elements. Reduced airflow can cause overheating and could lead to component damage.

**WARNING:**

To help avoid risk of death or injury caused by damaged fuel, lubrication, air intake or exhaust tubing and lines, do not kink or bend fuel, lubrication air intake and exhaust tubing or lines and ensure all tubes and lines are routed and installed properly and care is given during the disassembly and assembly process.

HVAC

Changes To The HVAC System

Changes to the HVAC system are not recommended. For liquid connection information, service data and specifications, refer to the service manual.

FRONT AND REAR BUMPERS



WARNING:

For vehicles equipped with sonar, do not alter the front or rear bumpers. Doing so may cause the system to operate improperly.

SONAR SYSTEM (2016-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

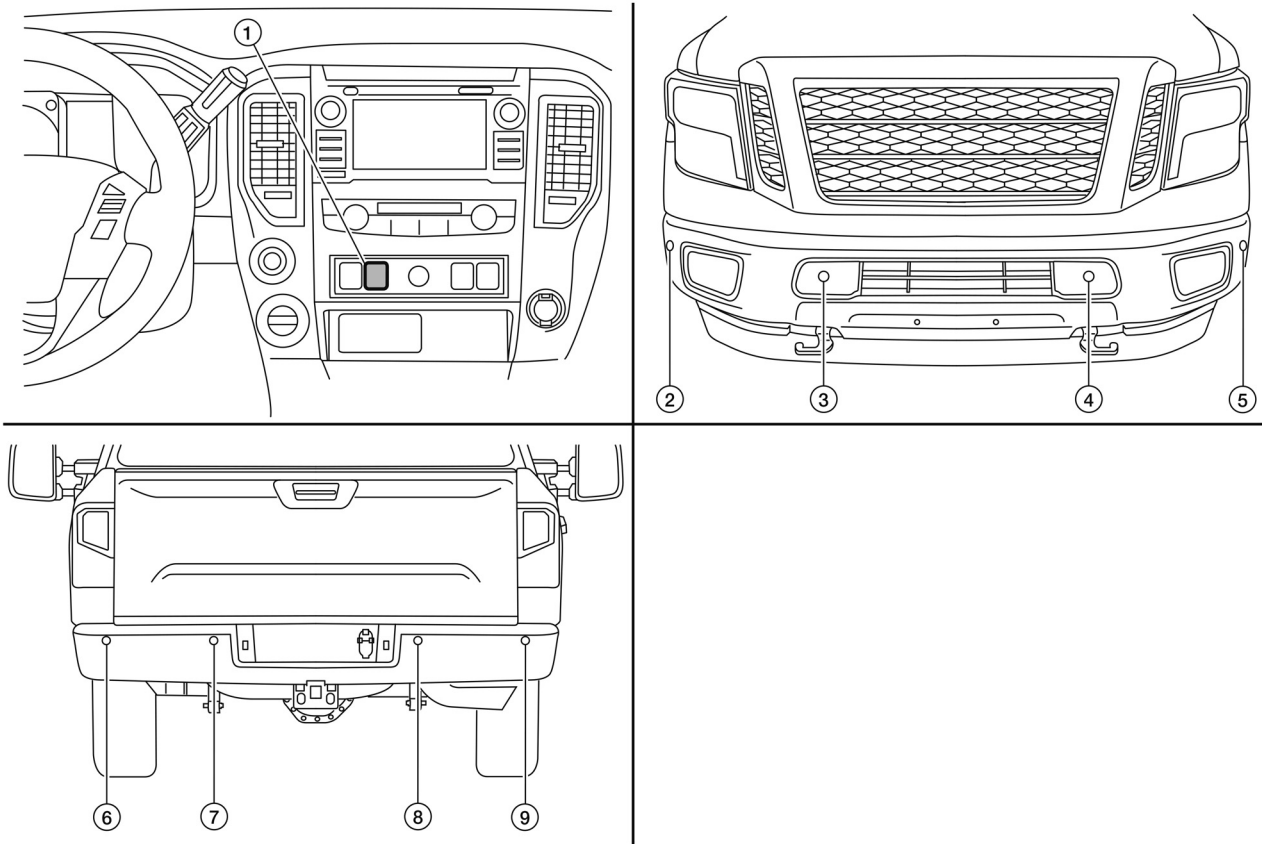
SONAR SYSTEM (2016-2019 Model Years)

Component Parts Location



WARNING:

For vehicles equipped with sonar, do not alter the front or rear bumpers. Doing so may cause the system to operate improperly.



TGAAZIA0051ZZ

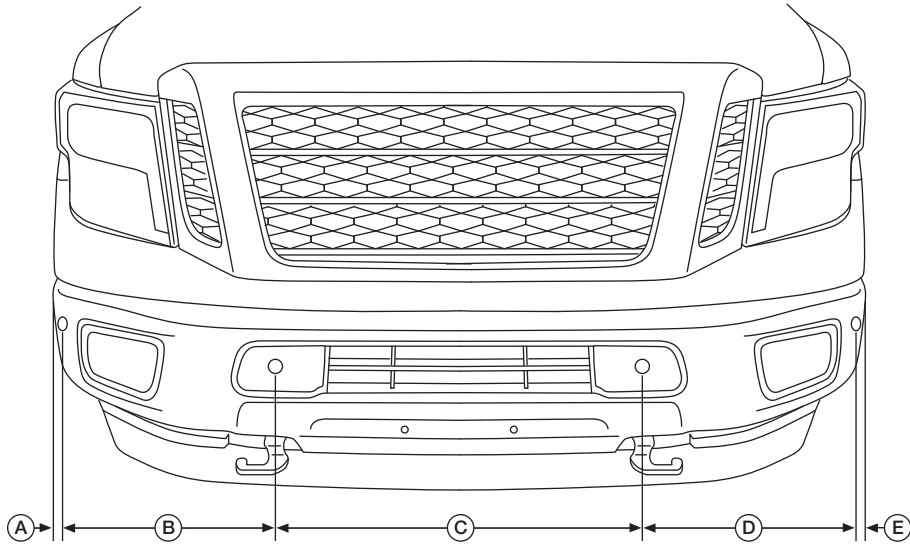
Crew cab shown, single cab and King Cab® locations are the same.

- | | | |
|--|--------------------------------|--------------------------------|
| 1. Sonar system OFF switch
(with sonar system OFF
indicator) | 2. Front sonar sensor RH outer | 3. Front sonar sensor RH inner |
| 4. Front sonar sensor LH inner | 5. Front sonar sensor LH outer | 6. Rear sonar sensor LH outer |
| 7. Rear sonar sensor LH inner | 8. Rear sonar sensor RH inner | 9. Rear sonar sensor RH outer |

SONAR SYSTEM (2016-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Front Sensor Layout Dimensions



AAZIA0563ZZ

A. 70 mm (2.76 in)

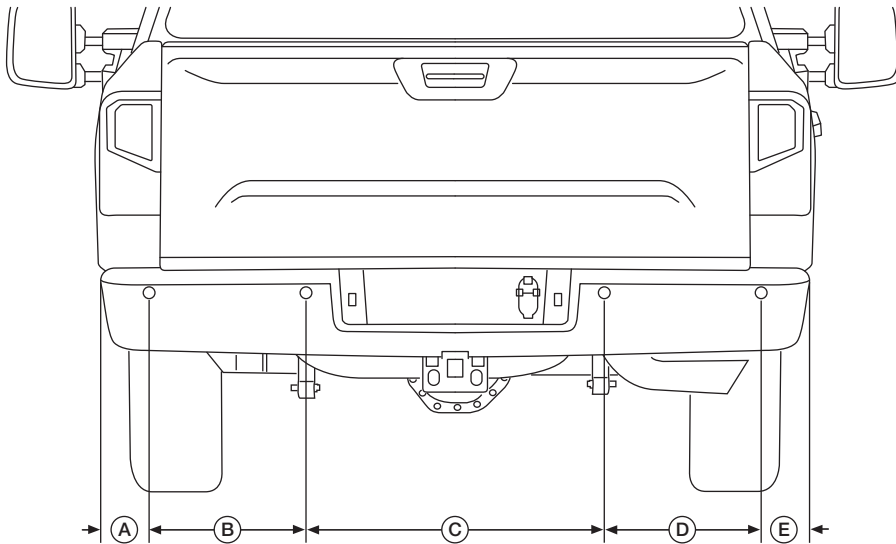
B. 550 mm (21.65 in)

C. 774 mm (30.47 in)

D. 550 mm (21.65 in)

E. 70 mm (2.76 in)

Rear Sensor Layout Dimensions



AAZIA0564ZZ

A. 114 mm (4.49 in)

B. 440 mm (17.32 in)

C. 835 mm (32.87 in)

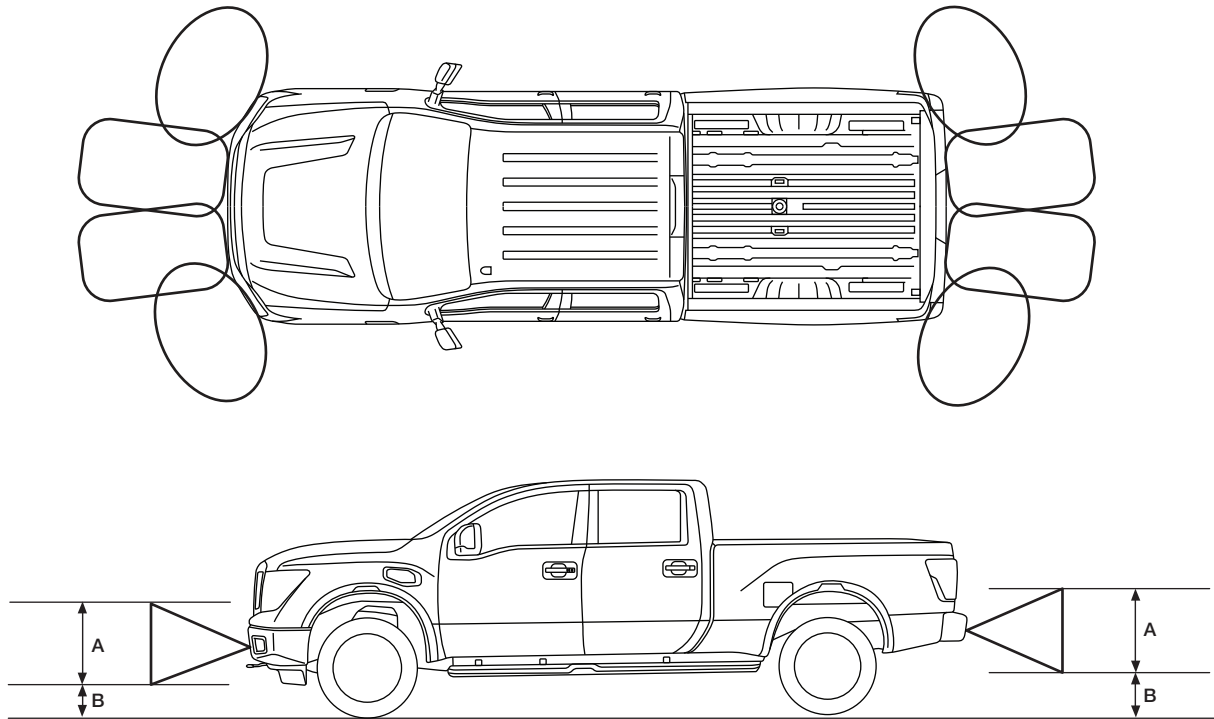
D. 440 mm (17.32 in)

E. 114 mm (4.49 in)

SONAR SYSTEM (2016-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Sonar System Detection Area



AAZIA0583ZZ

A. Approx. 50 cm (19.6 in)

B. Approx. 15 cm (5.9 in)

Sonar Indicator Display

- Around view monitor control unit that receives the detection signal and detection distance signal from sonar control unit displays the sonar indicator on display.
- Around view monitor control unit changes the color or blinking cycle of the indicator according to the detection distance.



CAUTION:

Do not install objects that interfere with the zone specified and the ability of the sonar system to function properly.

The Sonar System sounds a tone to warn the driver of obstacles near the front and rear bumpers. The sonar system automatically turns on when the shift selector is placed in a forward gear or R (Reverse) and the ignition switch is in the ON position. The system may not detect objects at speeds above 10 km/h (6 mph) and may not detect certain angular or moving objects.

The sonar system OFF switch on the instrument panel allows the driver to turn the sonar system on and off. To turn the system off, the ignition must be ON, and the shift selector in R (Reverse) or D (Drive). Press the switch to turn the system back on. It will be automatically turned on when the engine is restarted.

Refer to the Owner's Manual for full system operating instructions.

SONAR SYSTEM (Starting with 2020 model year)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

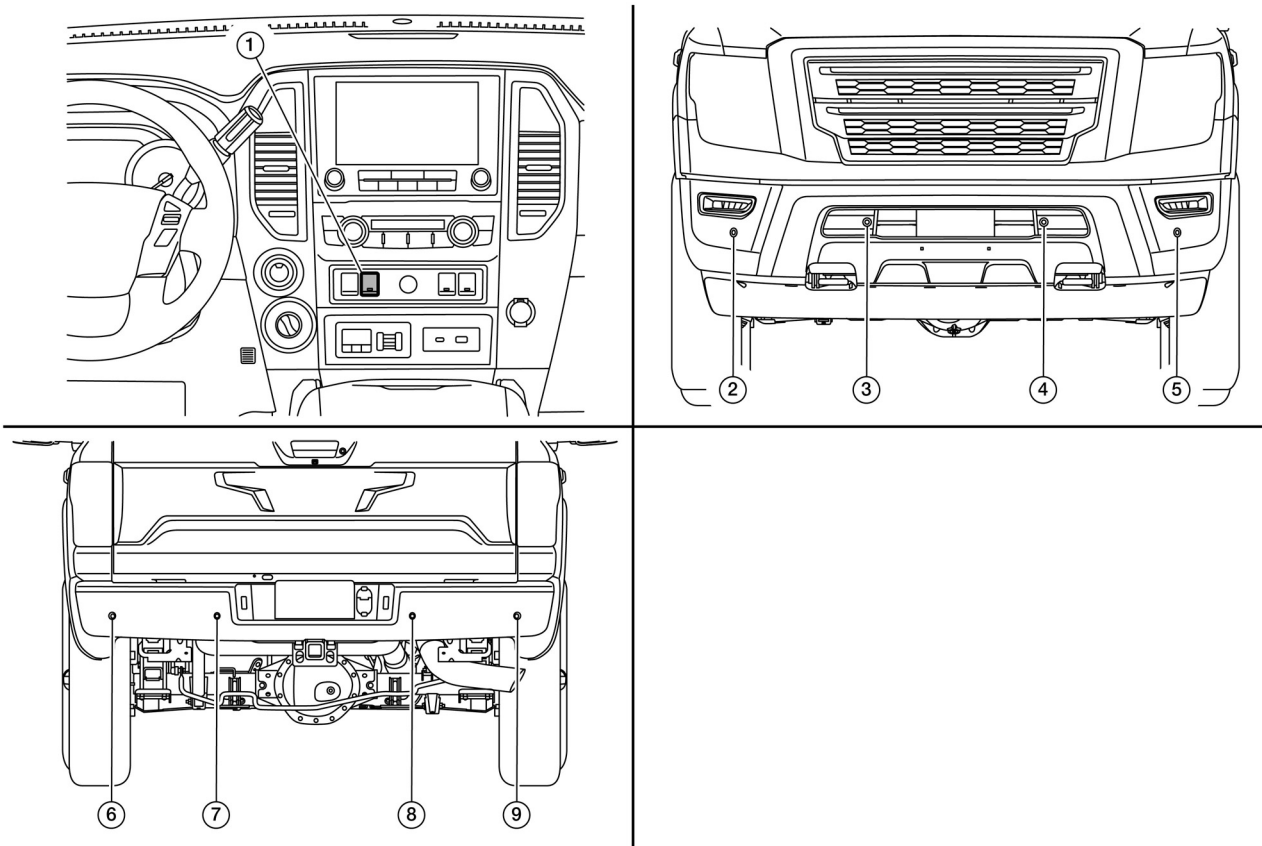
SONAR SYSTEM (Starting with 2020 model year)

Component Parts Location



WARNING:

For vehicles equipped with sonar, do not alter the front or rear bumpers. Doing so may cause the system to operate improperly.



TGAAZIA0142ZZ

1. Sonar system OFF switch
(with sonar system OFF
indicator)

2. Front sonar sensor RH outer

3. Front sonar sensor RH inner

4. Front sonar sensor LH inner

5. Front sonar sensor LH outer

6. Rear sonar sensor LH outer

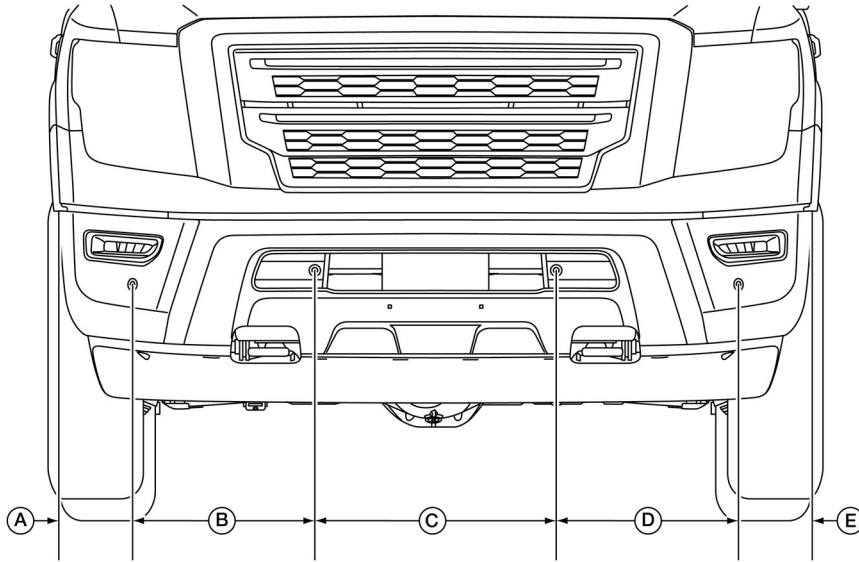
7. Rear sonar sensor LH inner

8. Rear sonar sensor RH inner

9. Rear sonar sensor RH outer

SONAR SYSTEM (Starting with 2020 model year) [DESIGN REQUIREMENTS FOR MODIFICATIONS]

Front Sensor Layout Dimensions



TGAAZIA0143ZZ

A. 182.07 mm (7.17 in)

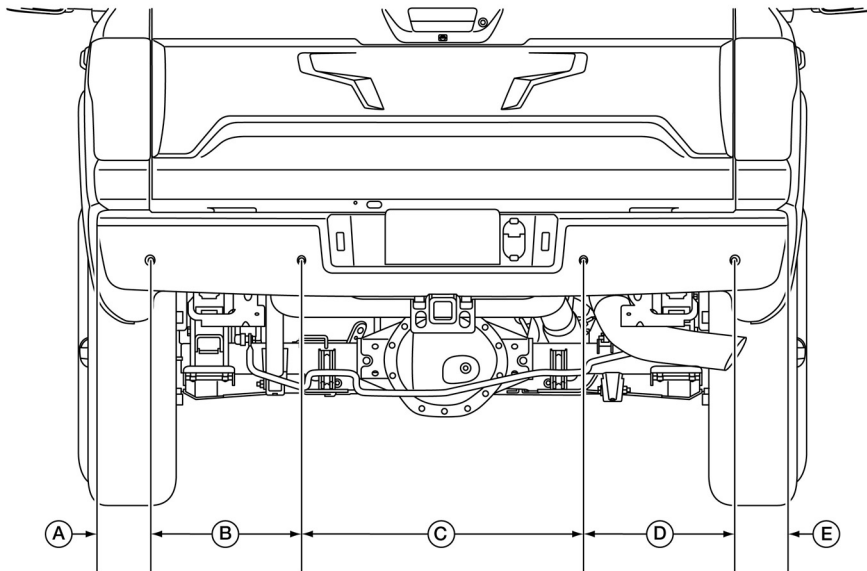
B. 474.69 mm (18.69 in)

C. 654.72 mm (25.78 in)

D. 474.69 mm (18.69 in)

E. 182.07 mm (7.17 in)

Rear Sensor Layout Dimensions



TGAAZIA0144ZZ

A. 162.97 mm (6.41 in)

B. 423.43 mm (16.67 in)

C. 793.57 mm (31.24 in)

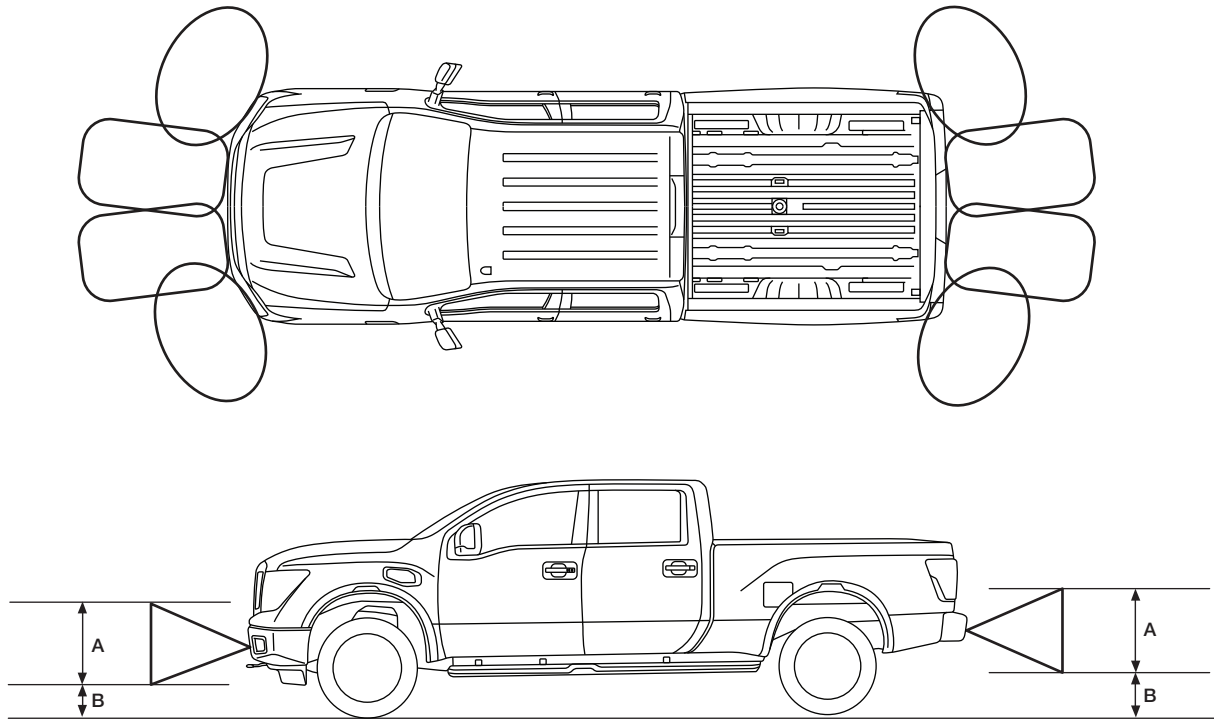
D. 423.43 mm (16.67 in)

E. 162.97 mm (6.41 in)

SONAR SYSTEM (Starting with 2020 model year)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Sonar System Detection Area



AAZIA0583ZZ

A. Approx. 50 cm (19.6 in)

B. Approx. 15 cm (5.9 in)

Sonar Indicator Display

- Around view monitor control unit that receives the detection signal and detection distance signal from sonar control unit displays the sonar indicator on display.
- Around view monitor control unit changes the color or blinking cycle of the indicator according to the detection distance.



CAUTION:

Do not install objects that interfere with the zone specified and the ability of the sonar system to function properly.

The Sonar System sounds a tone to warn the driver of obstacles near the front and rear bumpers. The sonar system automatically turns on when the shift selector is placed in a forward gear or R (Reverse) and the ignition switch is in the ON position. The system may not detect objects at speeds above 10 km/h (6 mph) and may not detect certain angular or moving objects.

The sonar system OFF switch on the instrument panel allows the driver to turn the sonar system on and off. To turn the system off, the ignition must be ON, and the shift selector in R (Reverse) or D (Drive). Press the switch to turn the system back on. It will be automatically turned on when the engine is restarted.

Refer to the Owner's Manual for full system operating instructions.

MIRRORS

Blind Spot Warning System



WARNING:

For vehicles equipped with Blind Spot Warning (BSW) System or Around View® Monitor System, do not alter the outside mirrors. Doing so may cause the system(s) to operate improperly.

EXHAUST (DIESEL) – CREW CAB

Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.



WARNING:

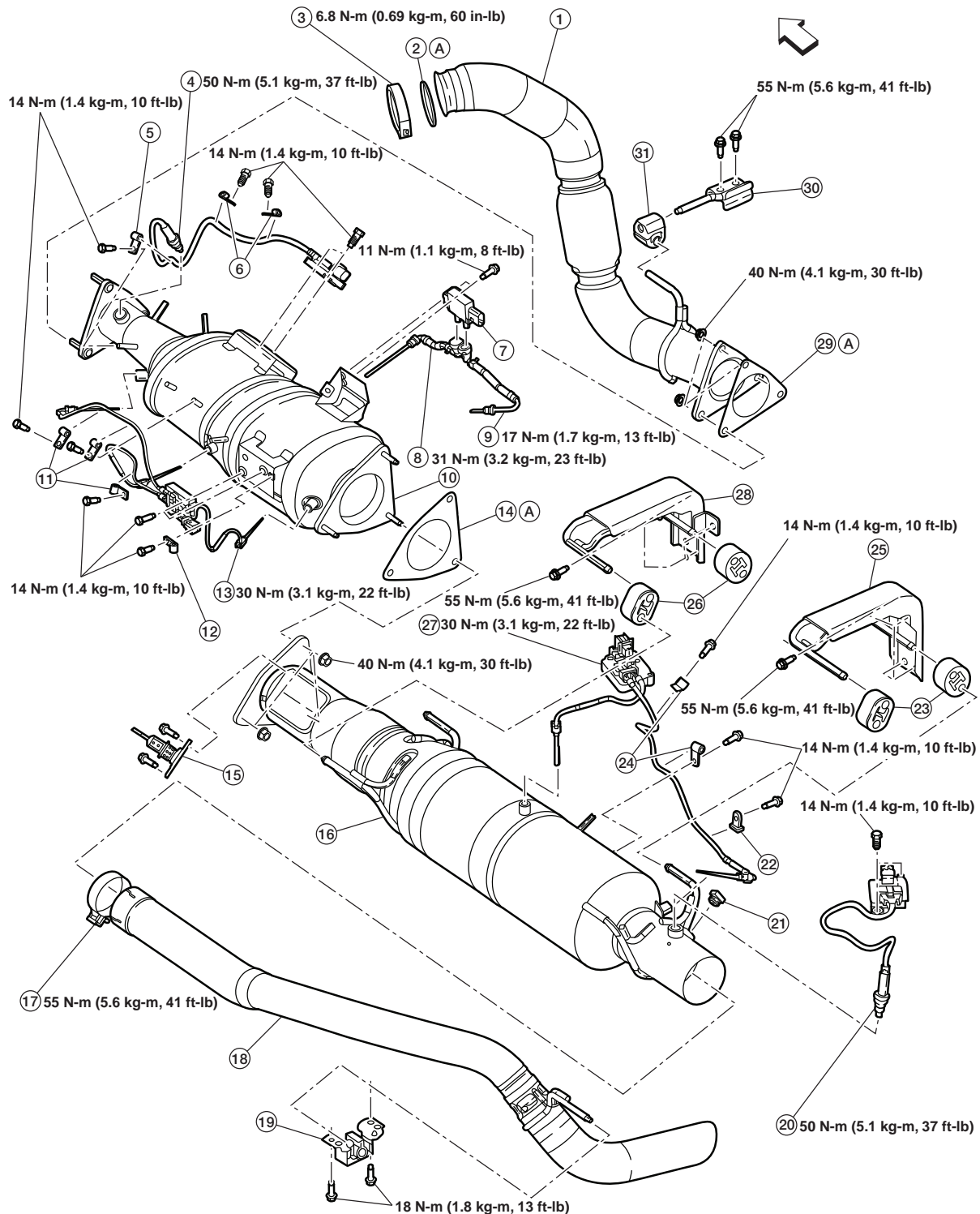
To reduce the risk of personal injury, do not get Diesel Exhaust Fluid (DEF) in your eyes as it contains urea. In case of contact immediately flush eyes with large amounts of water for a minimum of 15 minutes. Do not swallow. In the event DEF is ingested, contact a physician immediately. Reference the Safety Data Sheet (SDS) for additional information.

Changes to the exhaust system are not recommended.

EXHAUST (DIESEL) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2016-2018 Early Production Model Years



AAZIA0584ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – CREW CAB

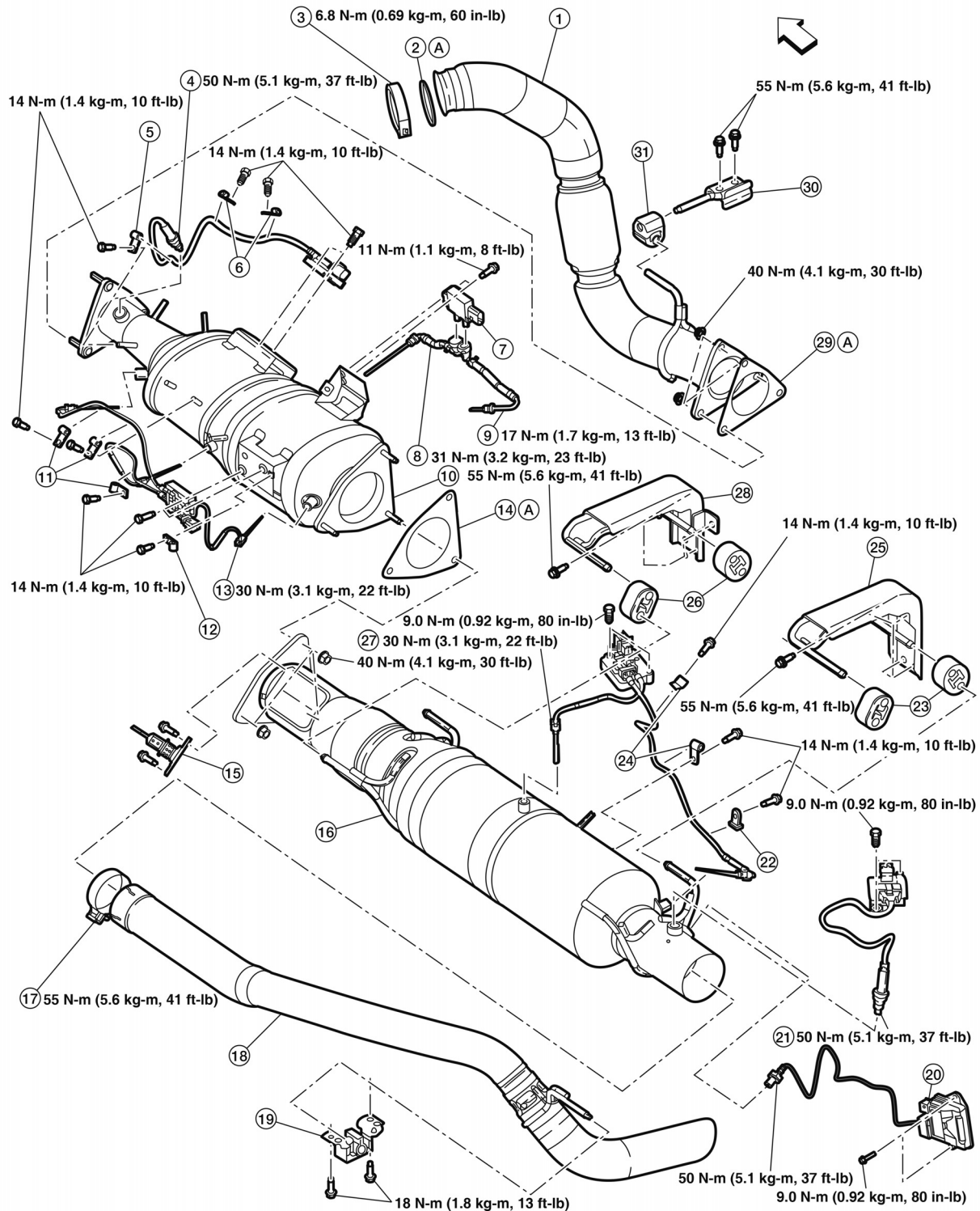
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|--|-----------------------|-----------------------------------|
| 10. DOC and DPF assembly | 11. Clamp | 12. Clamp |
| 13. DPF temperature sensor module | 14. Gasket | 15. DEF dosing valve |
| 16. Decomposition tube and SCR catalyst assembly | 17. Clamp | 18. Tailpipe |
| 19. Tailpipe hanger | 20. Outlet NOx sensor | 21. Plug |
| 22. Clamp | 23. Insulator | 24. Clamp |
| 25. Exhaust hanger RR | 26. Insulator | 27. SCR temperature sensor module |
| 28. Exhaust hanger FR | 29. Gasket | 30. Exhaust downpipe hanger |
| 31. Insulator | | |
- A. Always replace after every disassembly

EXHAUST (DIESEL) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2018 Late Production-2019 Model Year



TGAAZIA0049ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – CREW CAB

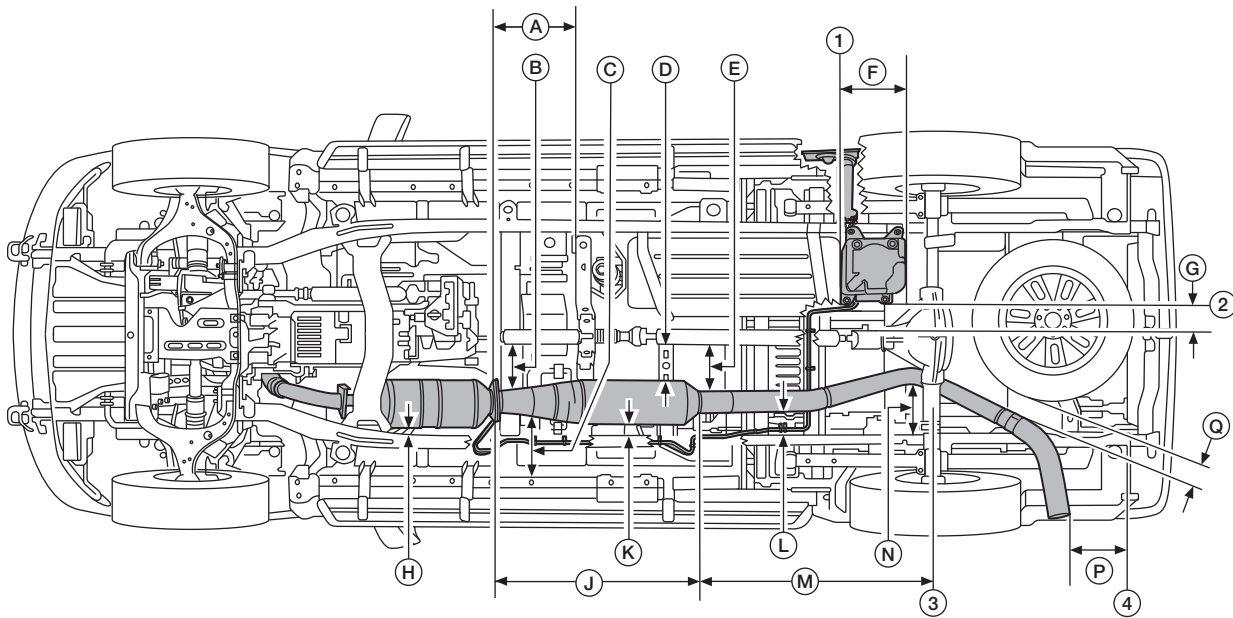
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|--|-------------------------------|-----------------------------------|
| 10. DOC and DPF assembly | 11. Clamp | 12. Clamp |
| 13. DPF temperature sensor module | 14. Gasket | 15. DEF dosing valve |
| 16. Decomposition tube and SCR catalyst assembly | 17. Clamp | 18. Tailpipe |
| 19. Tailpipe hanger | 20. Particulate matter sensor | 21. Outlet NOx sensor |
| 22. Clamp | 23. Insulator | 24. Clamp |
| 25. Exhaust hanger RR | 26. Insulator | 27. SCR temperature sensor module |
| 28. Exhaust hanger FR | 29. Gasket | 30. Exhaust downpipe hanger |
| 31. Insulator | | |
- A. Always replace after every disassembly

EXHAUST (DIESEL) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0497ZZ

- | | | |
|----------------------------|---|-----------------------------|
| 1. Rear edge of fuel tank | 2. Edge of DEF tank | 3. Center line of rear axle |
| 4. Edge of bed floor panel | A. 465.7 mm (18.33 in) | B. 230.7 mm (9.08 in) |
| C. 328.2 mm (12.92 in) | D. 195.1 mm (7.68 in) | E. 239.5 mm (9.43 in) |
| F. 337.1 mm (13.27 in) | G. 155.2 mm (6.11 in) (2016-2018
early production model years) | H. 70.9 mm (2.79 in) |
| | 51 mm (2.0 in) (starting with 2018
model year late production) | |
| J. 1,077.7 mm (42.43 in) | K. 97.6 mm (3.84 in) | L. 141.9 mm (5.59 in) |
| M. 1,232.9 mm (48.54 in) | N. 226.2 mm (8.91 in) | P. 297.1 mm (11.7 in) |
| Q. 95.5 mm (3.76 in) | | |

Inspection After Installation

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

EXHAUST (GASOLINE) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

EXHAUST (GASOLINE) – CREW CAB

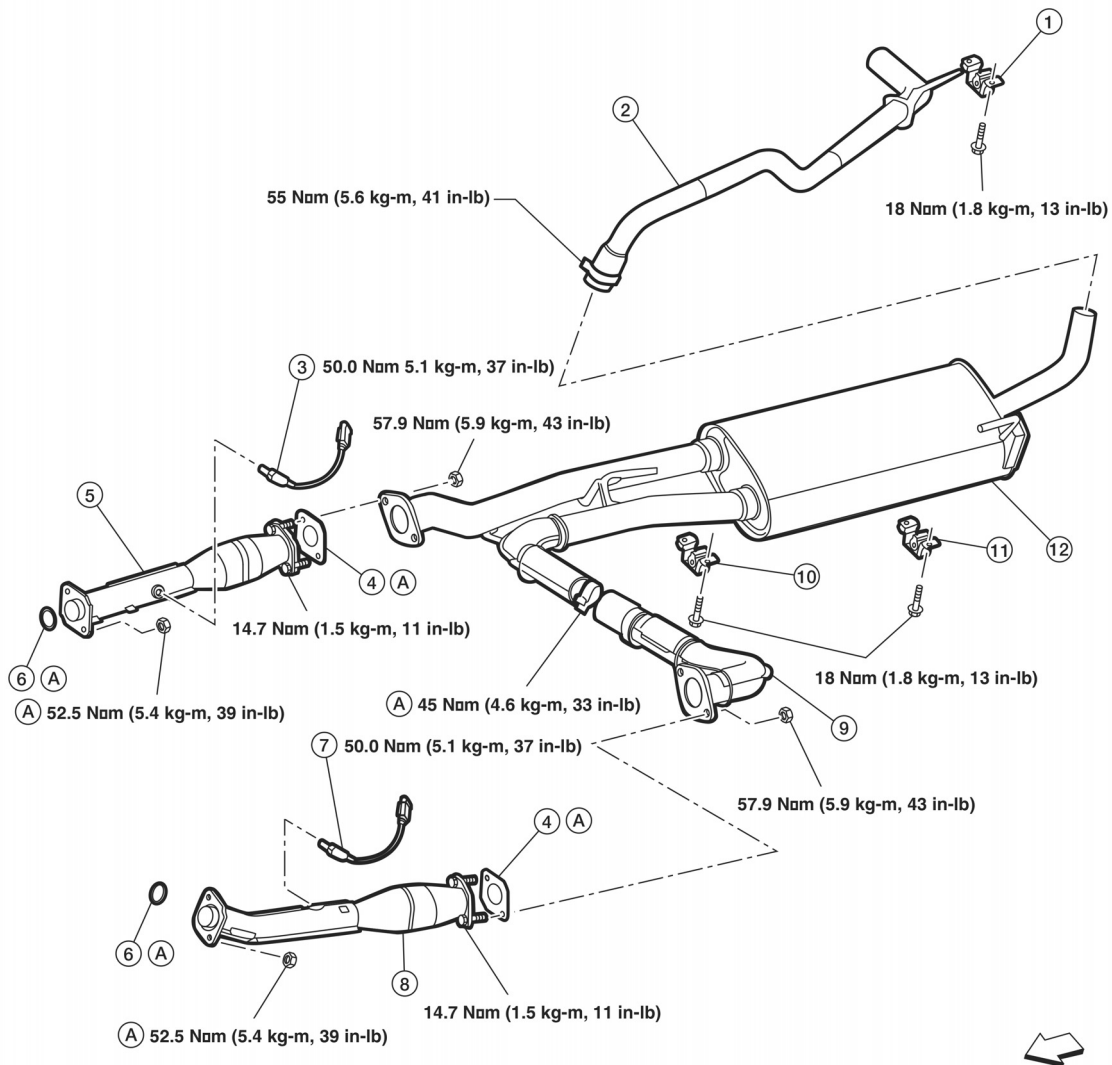
Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.

Changes to the exhaust system are not recommended.



TGAAZIA0074ZZ

↔: Front of vehicle.

1. Tailpipe hanger bracket

2. Tailpipe

3. Heated oxygen sensor 2
(bank 2)

EXHAUST (GASOLINE) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|------------------------------------|---------------------------------|------------------------|
| 4. Gasket | 5. Exhaust tube (bank 2) | 6. Ring gasket |
| 7. Heated oxygen sensor 2 (bank 1) | 8. Exhaust tube (bank 1) | 9. Center exhaust tube |
| 10. Muffler hanger bracket front | 11. Muffler hanger bracket rear | 12. Main muffler |
- A. Always replace after every disassembly

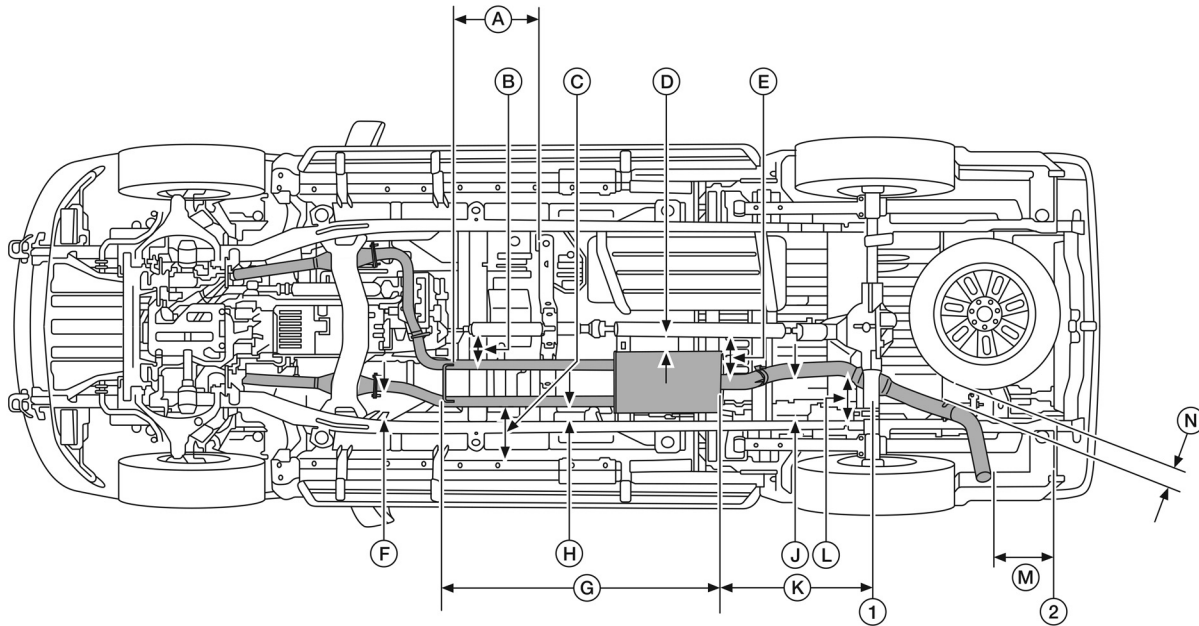
NOTE:

It is recommended that muffler and central tubes are replaced at the same time because U-bolt deforms tubes of both parts at the installation.

EXHAUST (GASOLINE) – CREW CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0622ZZ

- | | | |
|-----------------------------|----------------------------|-------------------------|
| 1. Center line of rear axle | 2. Edge of bed floor panel | A. 499.52 mm (19.67 in) |
| B. 127.86 mm (5.03 in) | C. 308.92 mm (12.16 in) | D. 79.38 mm (3.12 in) |
| E. 212.97 mm (8.38 in) | F. 162 mm (6.38 in) | G. 1,644 mm (64.72 in) |
| H. 79.60 mm (3.13 in) | J. 207 mm (8.15 in) | K. 903.04 mm (35.55 in) |
| L. 247.18 mm (9.73 in) | M. 363.56 mm (14.31 in) | N. 119.30 mm (4.70 in) |

Inspection After Installation

NOTE:

The mounting brackets should not be grounded or touch the rubber insulators after installation.

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

EXHAUST (DIESEL) – KING CAB®

Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.



WARNING:

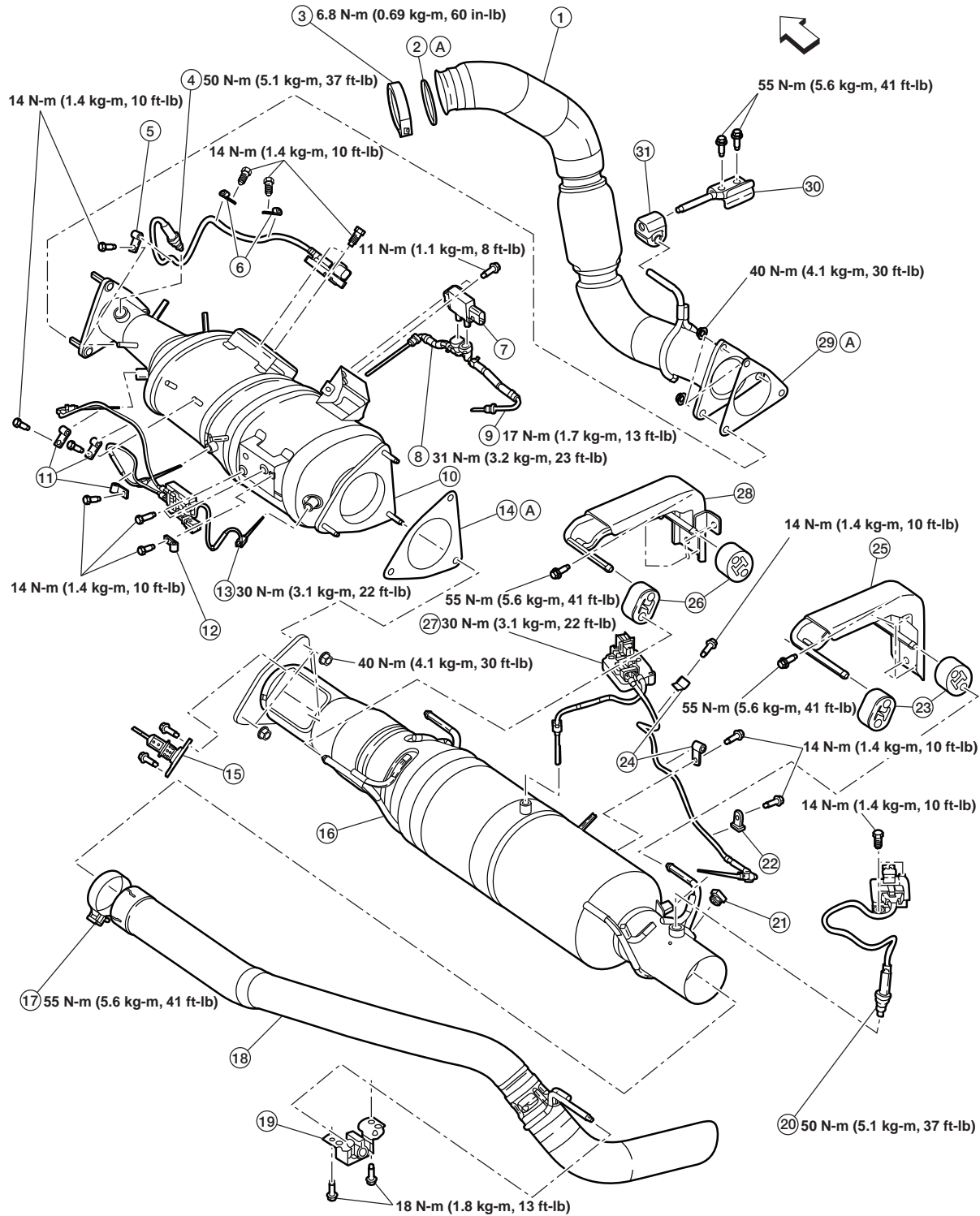
To reduce the risk of personal injury, do not get Diesel Exhaust Fluid (DEF) in your eyes as it contains urea. In case of contact immediately flush eyes with large amounts of water for a minimum of 15 minutes. Do not swallow. In the event DEF is ingested, contact a physician immediately. Reference the Safety Data Sheet (SDS) for additional information.

Changes to the exhaust system are not recommended.

EXHAUST (DIESEL) – KING CAB®

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2016-2018 Early Production Model Years



AAZIA0584ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – KING CAB®

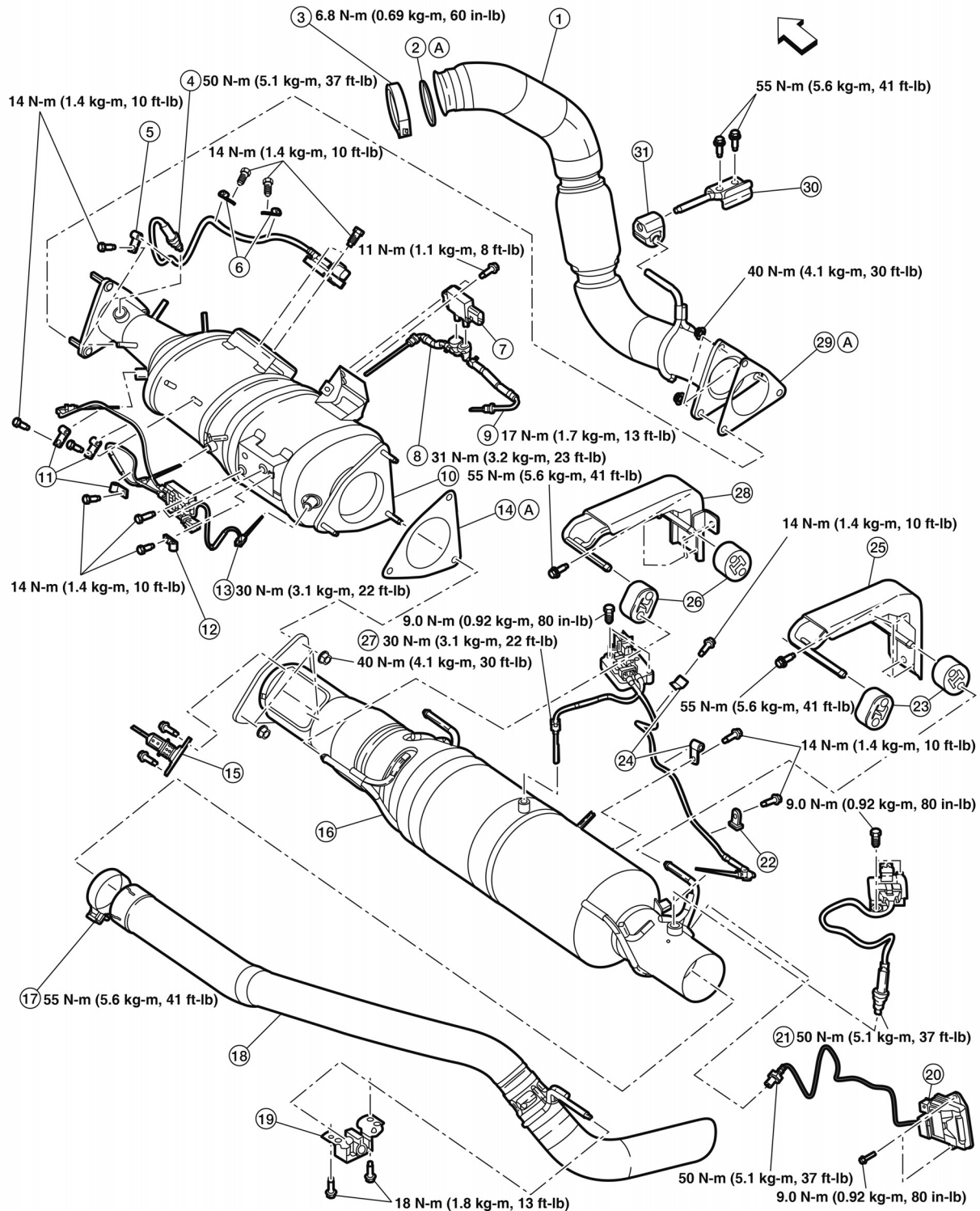
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|--|-----------------------|-----------------------------------|
| 10. DOC and DPF assembly | 11. Clamp | 12. Clamp |
| 13. DPF temperature sensor module | 14. Gasket | 15. DEF dosing valve |
| 16. Decomposition tube and SCR catalyst assembly | 17. Clamp | 18. Tailpipe |
| 19. Tailpipe hanger | 20. Outlet NOx sensor | 21. Plug |
| 22. Clamp | 23. Insulator | 24. Clamp |
| 25. Exhaust hanger RR | 26. Insulator | 27. SCR temperature sensor module |
| 28. Exhaust hanger FR | 29. Gasket | 30. Exhaust downpipe hanger |
| 31. Insulator | | |
- A. Always replace after every disassembly

EXHAUST (DIESEL) – KING CAB®

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2018 Late Production-2019 Model Year



TGAAZIA0049ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – KING CAB®

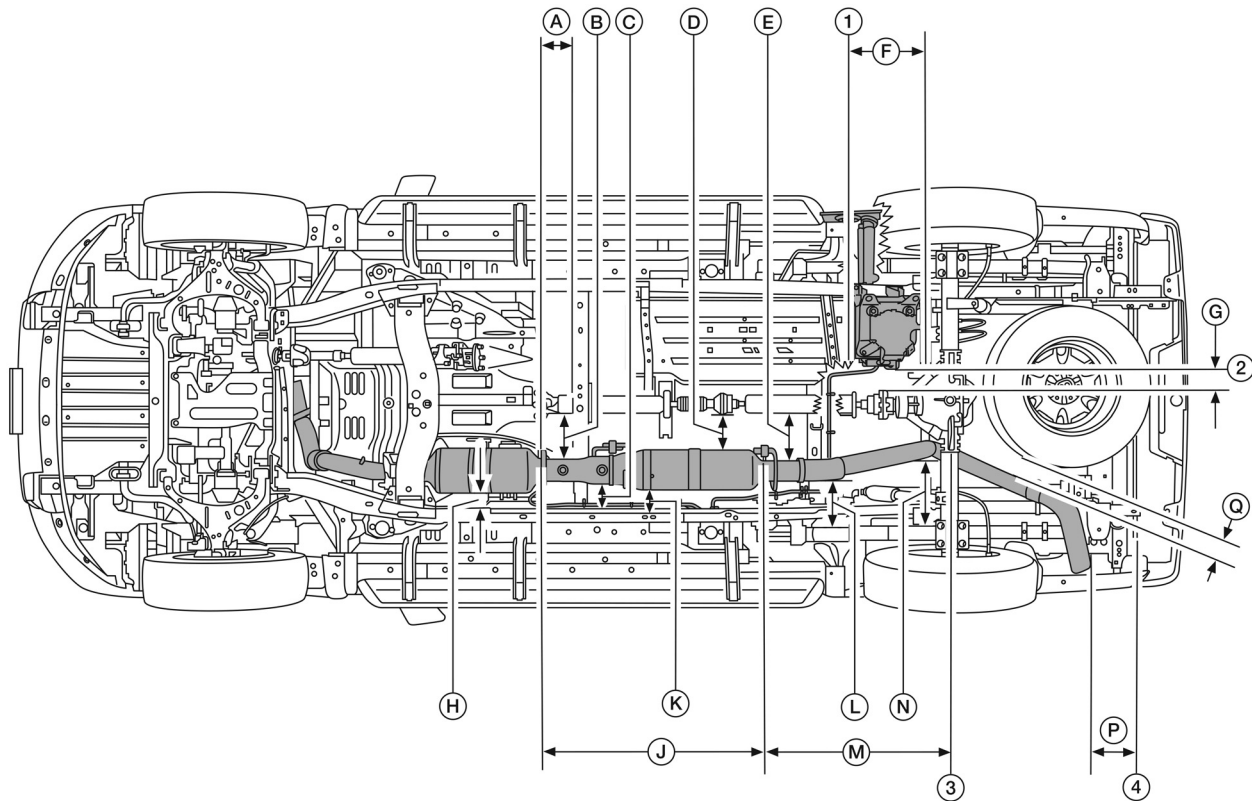
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|--|-------------------------------|-----------------------------------|
| 10. DOC and DPF assembly | 11. Clamp | 12. Clamp |
| 13. DPF temperature sensor module | 14. Gasket | 15. DEF dosing valve |
| 16. Decomposition tube and SCR catalyst assembly | 17. Clamp | 18. Tailpipe |
| 19. Tailpipe hanger | 20. Particulate matter sensor | 21. Outlet NOx sensor |
| 22. Clamp | 23. Insulator | 24. Clamp |
| 25. Exhaust hanger RR | 26. Insulator | 27. SCR temperature sensor module |
| 28. Exhaust hanger FR | 29. Gasket | 30. Exhaust downpipe hanger |
| 31. Insulator | | |
- A. Always replace after every disassembly

EXHAUST (DIESEL) – KING CAB®

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0946ZZ

- | | | |
|----------------------------|---|-----------------------------|
| 1. Rear edge of fuel tank | 2. Edge of DEF tank | 3. Center line of rear axle |
| 4. Edge of bed floor panel | A. 465.7 mm (18.33 in) | B. 230.7 mm (9.08 in) |
| C. 328.2 mm (12.92 in) | D. 195.1 mm (7.68 in) | E. 239.5 mm (9.43 in) |
| F. 337.1 mm (13.27 in) | G. 155.2 mm (6.11 in) (2016-2018
early production model years) | H. 70.9 mm (2.79 in) |
| | 51 mm (2.0 in) (starting with 2018
model year late production) | |
| J. 1,090 mm (42.91 in) | K. 92.0 mm (3.62 in) | L. 141.9 mm (5.59 in) |
| M. 900 mm (35.43 in) | N. 226.2 mm (8.91 in) | P. 320 mm (12.6 in) |
| Q. 115 mm (4.53 in) | | |

Inspection After Installation

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

EXHAUST (GASOLINE) – KING CAB® (2017-2019 Model Years)

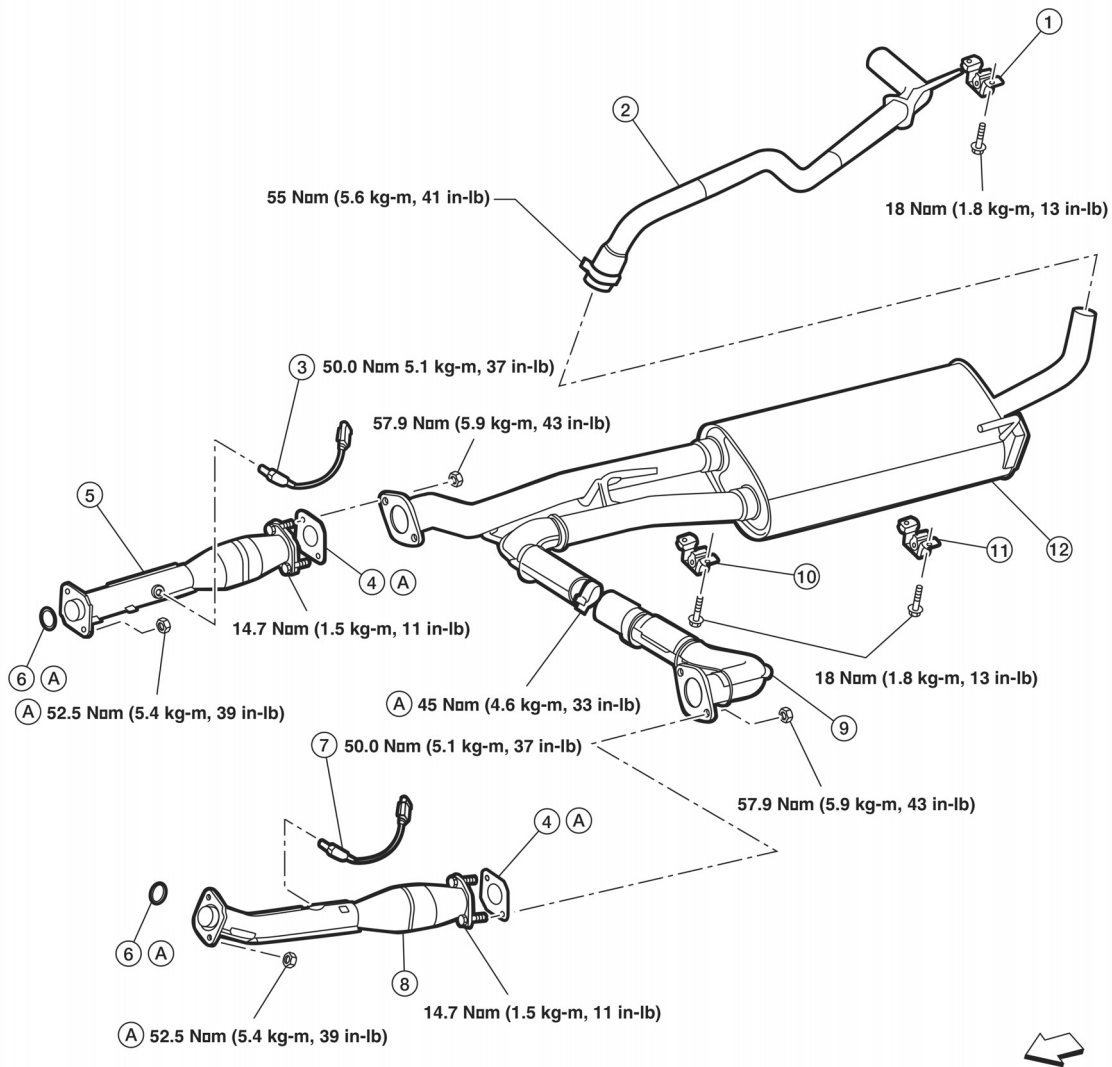
Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.

Changes to the exhaust system are not recommended.



TGAAZIA0074ZZ

↔: Front of vehicle.

1. Tailpipe hanger bracket

2. Tailpipe

3. Heated oxygen sensor 2
(bank 2)

EXHAUST (GASOLINE) – KING CAB® (2017-2019 Model Years)
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

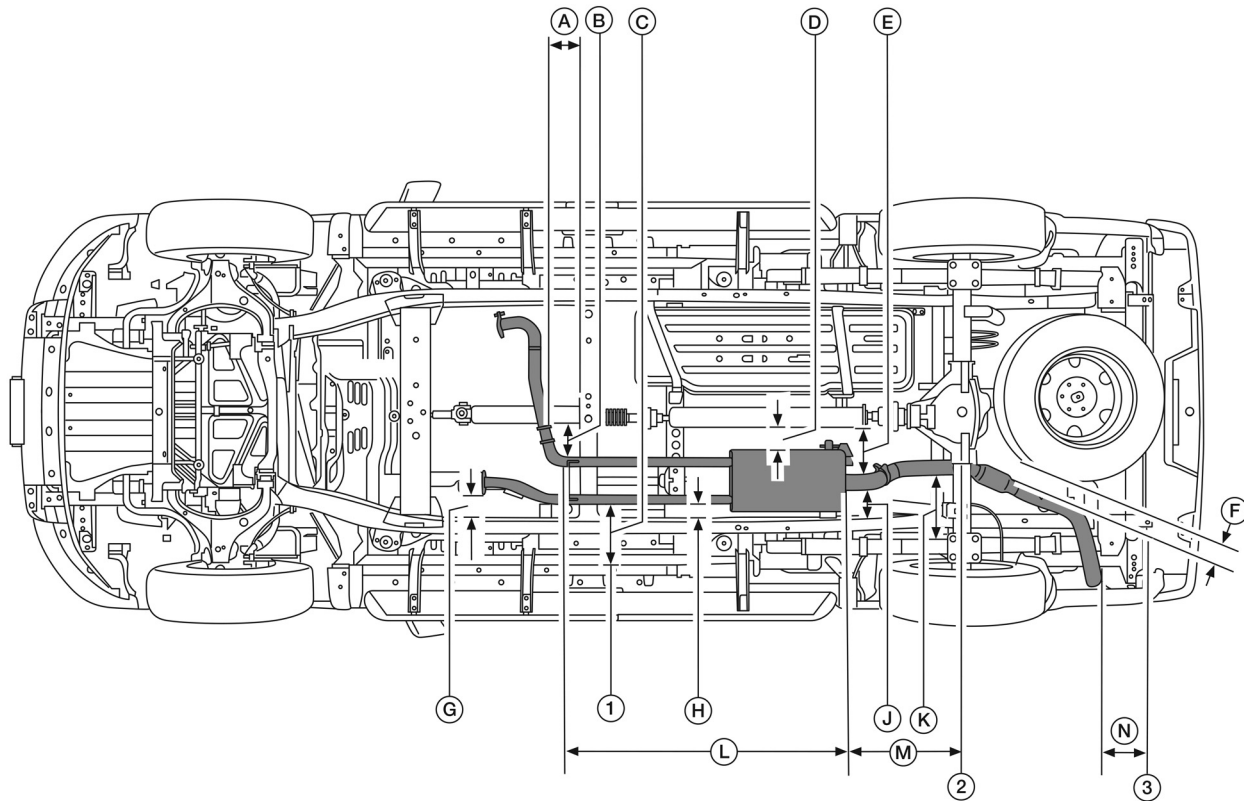
- | | | |
|------------------------------------|---------------------------------|------------------------|
| 4. Gasket | 5. Exhaust tube (bank 2) | 6. Ring gasket |
| 7. Heated oxygen sensor 2 (bank 1) | 8. Exhaust tube (bank 1) | 9. Center exhaust tube |
| 10. Muffler hanger bracket front | 11. Muffler hanger bracket rear | 12. Main muffler |
- A. Always replace after every disassembly

NOTE:

It is recommended that muffler and central tubes are replaced at the same time because U-bolt deforms tubes of both parts at the installation.

EXHAUST (GASOLINE) – KING CAB® (2017-2019 Model Years) [DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0947ZZ

1. Body side lower pinch weld reference line

A. 148.0 mm (5.83 in)

D. 102.79 mm (4.05 in)

G. 162 mm (6.38 in)

K. 221.35 mm (8.71 in)

N. 346.38 mm (13.64 in)

2. Center line of rear axle

B. 127.86 mm (5.03 in)

E. 193.14 mm (7.60 in)

H. 90.33 mm (3.56 in)

L. 1,322.21 mm (52.06 in)

3. Edge of bed floor panel

C. 286.72 mm (11.29 in)

F. 98.27 mm (3.87 in)

J. 243.14 mm (9.57 in)

M. 557.92 mm (21.97 in)

Inspection After Installation

NOTE:

The mounting brackets should not be grounded after installation to avoid vibration and noise.

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

EXHAUST (DIESEL) – SINGLE CAB

Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.



WARNING:

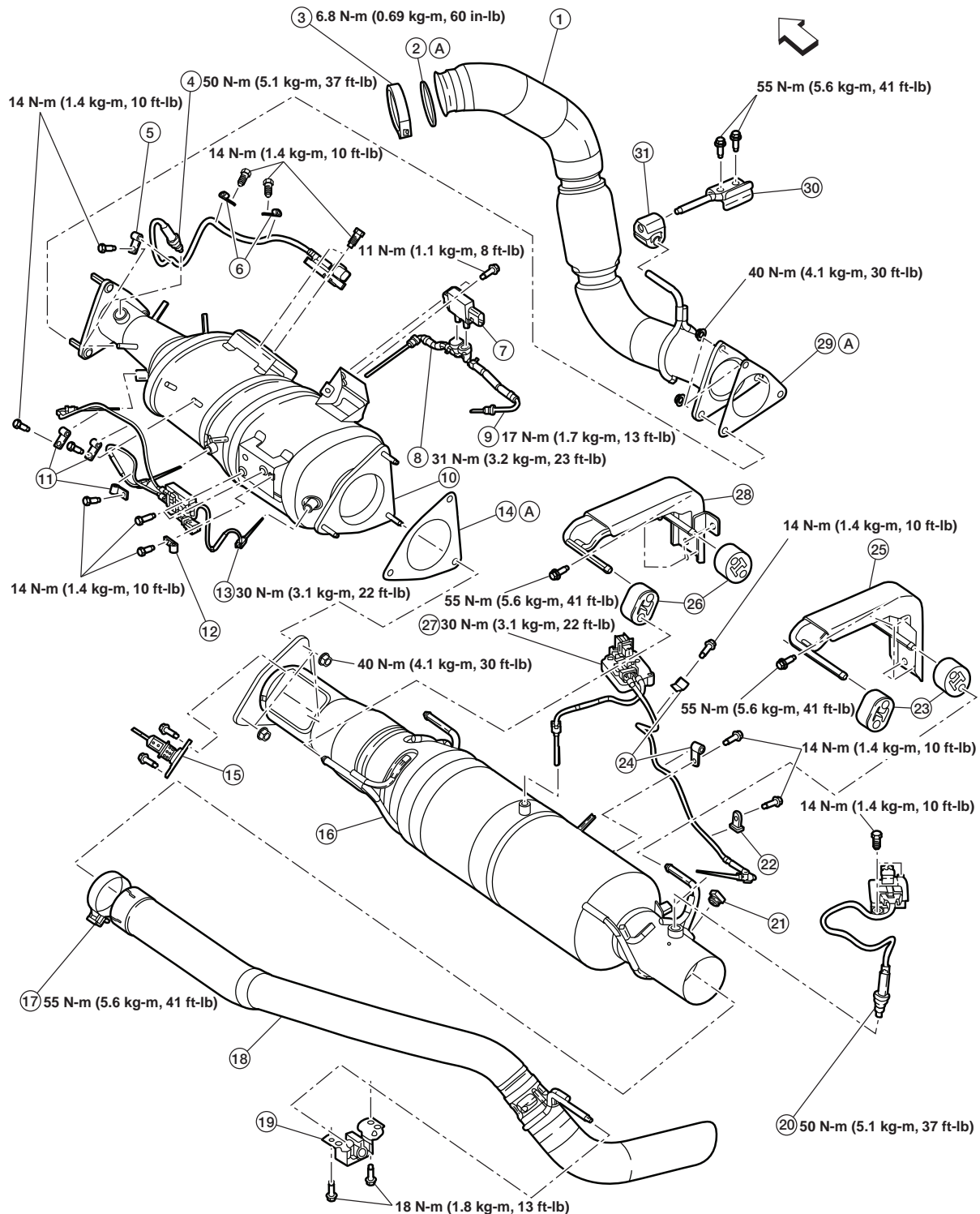
To reduce the risk of personal injury, do not get Diesel Exhaust Fluid (DEF) in your eyes as it contains urea. In case of contact immediately flush eyes with large amounts of water for a minimum of 15 minutes. Do not swallow. In the event DEF is ingested, contact a physician immediately. Reference the Safety Data Sheet (SDS) for additional information.

Changes to the exhaust system are not recommended.

EXHAUST (DIESEL) – SINGLE CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2016-2018 Early Production Model Years



AAZIA0584ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – SINGLE CAB

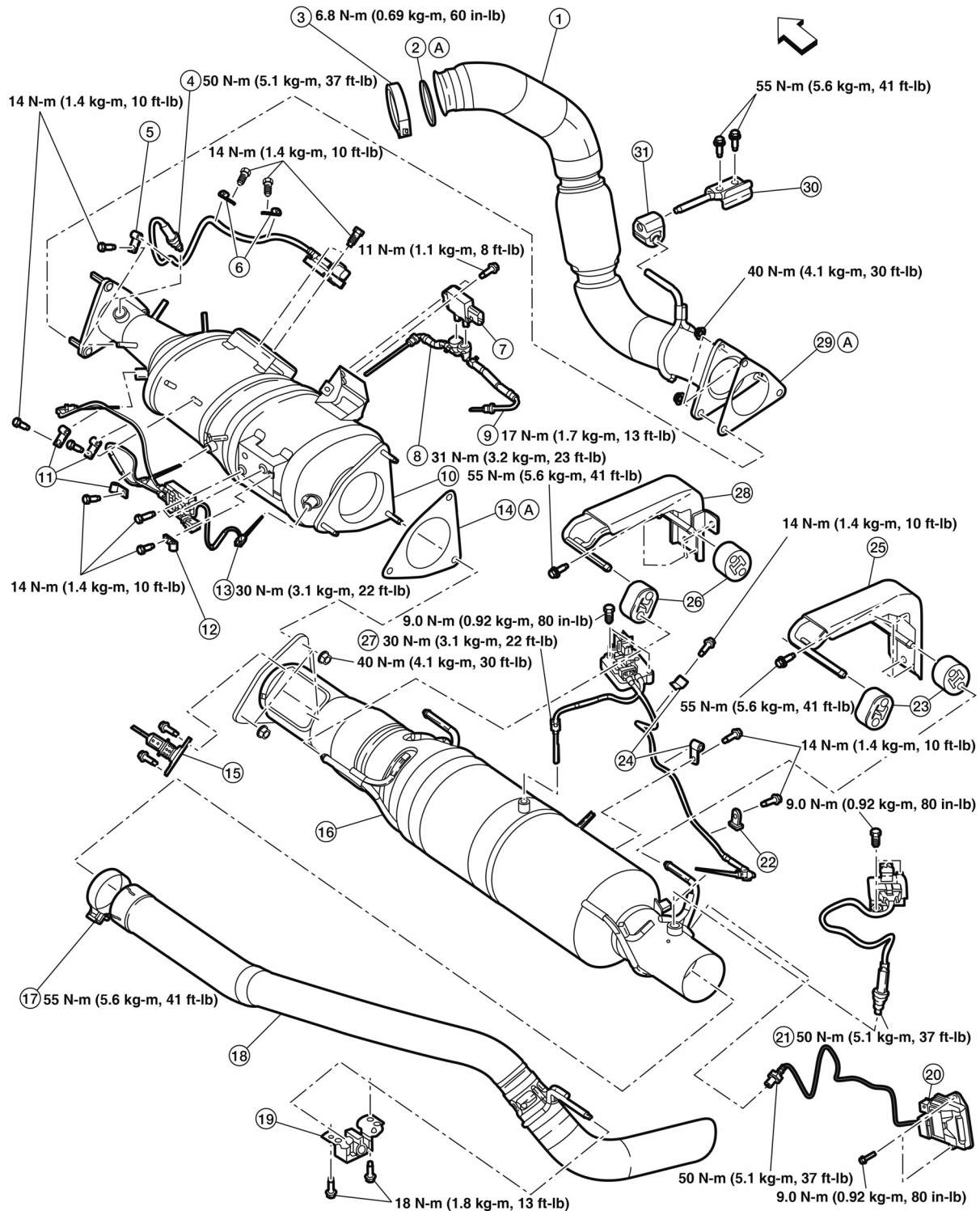
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|--|-----------------------|-----------------------------------|
| 10. DOC and DPF assembly | 11. Clamp | 12. Clamp |
| 13. DPF temperature sensor module | 14. Gasket | 15. DEF dosing valve |
| 16. Decomposition tube and SCR catalyst assembly | 17. Clamp | 18. Tailpipe |
| 19. Tailpipe hanger | 20. Outlet NOx sensor | 21. Plug |
| 22. Clamp | 23. Insulator | 24. Clamp |
| 25. Exhaust hanger RR | 26. Insulator | 27. SCR temperature sensor module |
| 28. Exhaust hanger FR | 29. Gasket | 30. Exhaust downpipe hanger |
| 31. Insulator | | |
- A. Always replace after every disassembly

EXHAUST (DIESEL) – SINGLE CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2018 Late Production-2019 Model Year



TGAAZIA0049ZZ

↔: Front of vehicle.

1. Exhaust downpipe

4. Inlet NOx sensor

7. DPF differential pressure sensor

2. Gasket

5. Clamp

8. DPF differential pressure sensor upstream tube

3. V-band clamp

6. Clamp

9. DPF differential pressure sensor downstream tube

EXHAUST (DIESEL) – SINGLE CAB

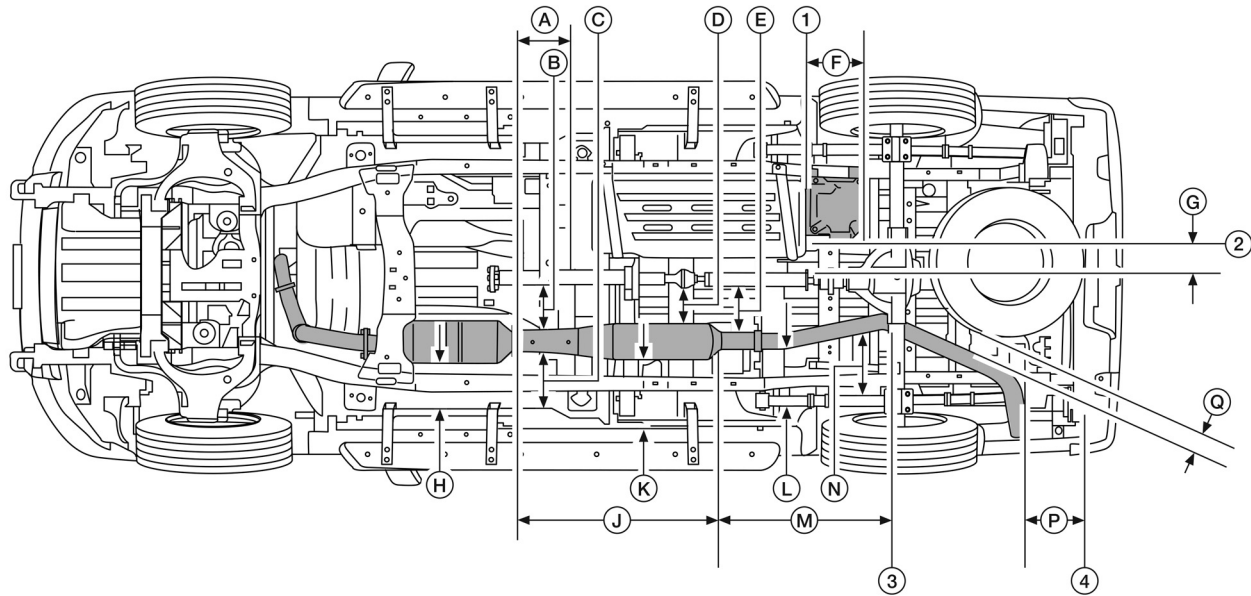
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

10. DOC and DPF assembly	11. Clamp	12. Clamp
13. DPF temperature sensor module	14. Gasket	15. DEF dosing valve
16. Decomposition tube and SCR catalyst assembly	17. Clamp	18. Tailpipe
19. Tailpipe hanger	20. Particulate matter sensor	21. Outlet NOx sensor
22. Clamp	23. Insulator	24. Clamp
25. Exhaust hanger RR	26. Insulator	27. SCR temperature sensor module
28. Exhaust hanger FR	29. Gasket	30. Exhaust downpipe hanger
31. Insulator		
A. Always replace after every disassembly		

EXHAUST (DIESEL) – SINGLE CAB

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0954ZZ

1. Rear edge of fuel tank	2. Edge of DEF tank	3. Center line of rear axle
4. Edge of bed floor panel	A. 465.7 mm (18.33 in)	B. 230.7 mm (9.08 in)
C. 328.2 mm (12.92 in)	D. 195.1 mm (7.68 in)	E. 239.5 mm (9.43 in)
F. 337.1 mm (13.27 in)	G. 155.2 mm (6.11 in) (2016-2018 early production model years)	H. 70.9 mm (2.79 in)
	51 mm (2.0 in) (starting with 2018 model year late production)	
J. 1,090 mm (42.91 in)	K. 92.0 mm (3.62 in)	L. 141.9 mm (5.59 in)
M. 900 mm (35.43 in)	N. 226.2 mm (8.91 in)	P. 320 mm (12.6 in)
Q. 115 mm (4.53 in)		

Inspection After Installation

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

EXHAUST (GASOLINE) – SINGLE CAB (2017-2019 Model Years)

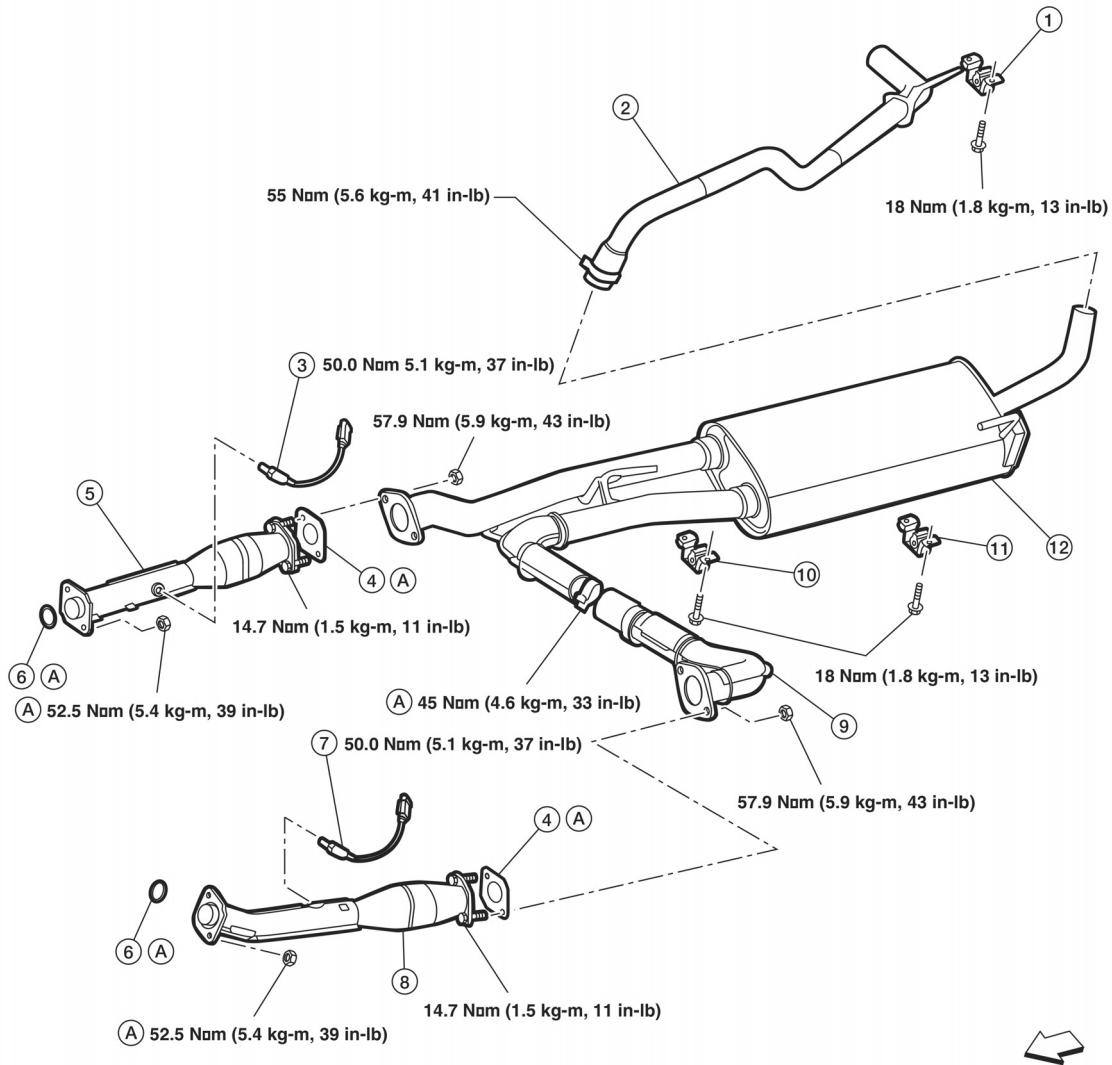
Exhaust System



WARNING:

Exhaust system components can become hot enough during operation and testing to cause burns or ignite and melt combustible materials. The exhaust and exhaust components can remain hot after the vehicle stops moving and has been shut down. To avoid the risk of fire property damage, burns or other serious personal injury, allow the exhaust system to cool before beginning repairs or service. Make sure that no combustible materials are located where they are likely to come in contact with hot exhaust or exhaust components.

Changes to the exhaust system are not recommended.



TGAAZIA0074ZZ

↔: Front of vehicle.

1. Tailpipe hanger bracket

2. Tailpipe

3. Heated oxygen sensor 2
(bank 2)

EXHAUST (GASOLINE) – SINGLE CAB (2017-2019 Model Years)
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

- | | | |
|------------------------------------|---------------------------------|------------------------|
| 4. Gasket | 5. Exhaust tube (bank 2) | 6. Ring gasket |
| 7. Heated oxygen sensor 2 (bank 1) | 8. Exhaust tube (bank 1) | 9. Center exhaust tube |
| 10. Muffler hanger bracket front | 11. Muffler hanger bracket rear | 12. Main muffler |
- A. Always replace after every disassembly

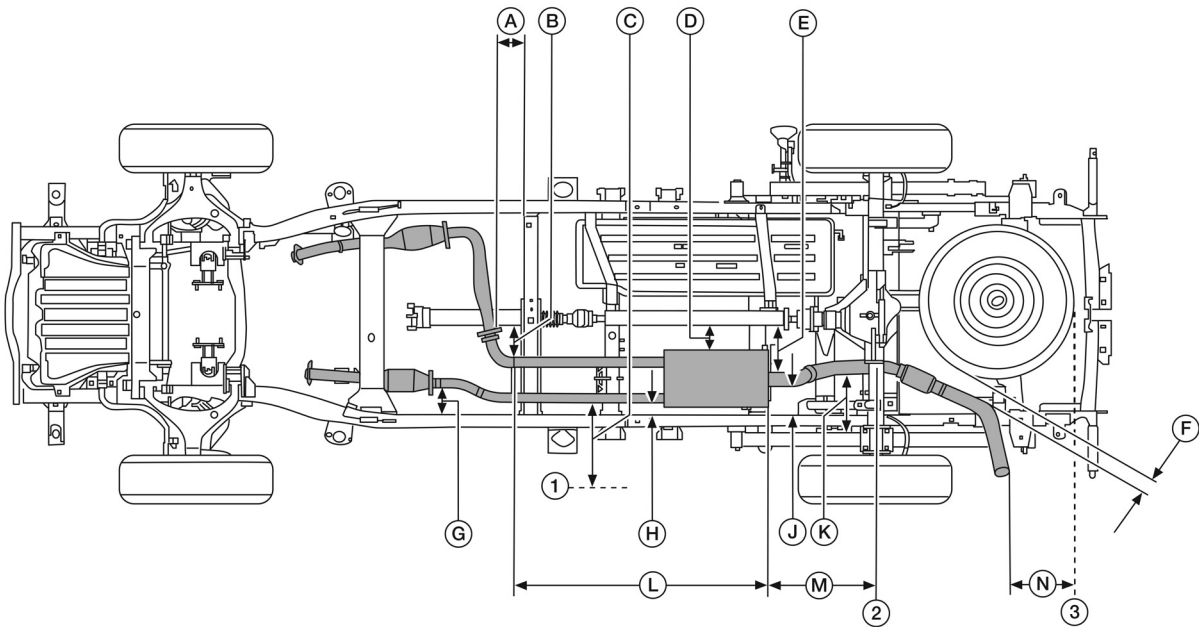
NOTE:

It is recommended that muffler and central tubes are replaced at the same time because U-bolt deforms tubes of both parts at the installation.

EXHAUST (GASOLINE) – SINGLE CAB (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Exhaust Measurements



AAZIA0867ZZ

1. Body side lower pinch weld reference line

A. 148.0 mm (5.83 in)

D. 102.79 mm (4.05 in)

G. 162 mm (6.38 in)

K. 221.35 mm (8.71 in)

N. 346.38 mm (13.64 in)

2. Center line of rear axle

B. 127.86 mm (5.03 in)

E. 193.14 mm (7.60 in)

H. 90.33 mm (3.56 in)

L. 1,322.21 mm (52.06 in)

3. Edge of bed floor panel

C. 286.72 mm (11.29 in)

F. 98.27 mm (3.87 in)

J. 243.14 mm (9.57 in)

M. 557.92 mm (21.97 in)

Inspection After Installation

NOTE:

The mounting brackets should not be grounded after installation to avoid vibration and noise.

- With the engine running, check exhaust tube joints for gas leakage and unusual noises.
- Check to ensure that mounting brackets and rubber insulators are installed properly and free from undue stress. Improper installation could result in excessive noise and vibration.

WHEEL AND TIRE

General

When replacing a tire, use the same size, tread design, speed rating and load carrying capacity as originally equipped.



WARNING:

- The use of tires other than those recommended or the mixed use of tires of different brands, construction (bias, bias-belted or radial), or tread patterns can adversely affect the ride, braking, handling, Vehicle Dynamic Control (VDC) system, ground clearance, body-to-tire clearance, tire chain clearance, speedometer calibration, headlamp aim and bumper height. Some of these effects may lead to accidents and could result in serious personal injury.
- If the wheels are changed for any reason, always replace with wheels which have the same off-set dimension. Wheels of a different off-set could cause premature tire wear, degrade vehicle handling characteristics, affect the VDC system and/or interference with the brake discs. Such interference can lead to decreased braking efficiency and/or early brake pad wear. For additional information on wheel off-set dimensions, refer to [WHEELS AND TIRES \(pg. 584\)](#).
- Since the spare tire is not equipped with the TPMS, when a spare tire is mounted or a wheel is replaced, tire pressure will not be indicated, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Have your tires replaced and/or TPMS system reset as soon as possible. It is recommended you visit a NISSAN dealer for this service.
- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.
- The TPMS sensor may be damaged if it is not handled correctly. Be careful when handling the TPMS sensor.
- When replacing the TPMS sensor, the ID registration may be required. It is recommended you visit a NISSAN dealer for ID registration.
- Do not use a valve stem cap that is not specified by NISSAN. The valve stem cap may become stuck.
- Be sure that the valve stem caps are correctly fitted. Otherwise the valve may be clogged up with dirt and cause a malfunction or loss of pressure.
- Do not install a damaged or deformed wheel or tire even if it has been repaired. Such wheels or tires could have structural damage and could fail without warning.
- The use of retread tires is not recommended.



CAUTION:

Always use tires of the same type, size, brand, construction (bias, bias-belted or radial), and tread pattern on all four wheels. Failure to do so may result in a circumference difference between tires on the front and rear axles which will cause excessive tire wear and may damage the transmission, transfer case and differential gears.

STEERING AND SUSPENSION

Vehicle Handling Information



WARNING:

- Changes made to the vehicle that significantly affect the ride height may cause vehicle control problems during sharp turns or sudden steering maneuvers. Any maneuvers of this type could result in an accident. The steering gear, intermediate shaft, coupling shaft, linkage, column, and steering wheel should not be altered or relocated. Steering linkage travel should not be restricted.



WARNING:

- Because the heat from welding on or near the suspension or steering components may damage or weaken the components, it is not authorized.
- Welding equipment should not be grounded to any of the suspension components.
- Any new components attached to the steering column or its components must not interfere with the steering column performance during either normal operation or crash situations.
- New components and/or the vehicle load must not exceed the front and rear GAWRs, GVWR, the CG or the UVW.

NOTE:

The aftermarket equipment manufacturer, second stage manufacturer, and upfitter are responsible for maintaining or restoring the front wheel alignment after modifications to the vehicle are complete. The straight ahead orientation of the steering wheel must be maintained when re-adjusting the front wheel alignment. Changes to the vehicle center of gravity will affect handling. The upfitter is responsible for maintaining compliance with the Federal or Canada Motor Vehicle Safety Standards and Nissan guidelines, in regards to the center of gravity and vehicle handling characteristics.

DRIVELINE



CAUTION:

- The front axle, rear axle, transfer case, and transmission vent hoses must not be bent, pinched, or obstructed, as these components could be damaged or malfunction.
- Any deviation from Nissan specifications may adversely affect powertrain operation, including engine, transmission, transfer case or component reliability. The aftermarket equipment manufacturer, second stage manufacturer, and upfitter are responsible for maintaining the specifications after the completion of any modifications.
- Additional brackets, bars, or supports [including an equalizing-type trailer hitch or auxiliary suspension systems (springs)] must not be welded to the axle assembly.

TRANSMISSION



CAUTION:

- The engine and transmission position relative to the shift linkage must not be altered.
- The transmission vent must not be altered, pinched, collapsed, restricted or relocated.
- The spacing for tool access for transmission adjustments or removal must be maintained.
- Transmission oil cooler lines should not be kinked, bent or restricted. All oil cooler lines must be properly retained with adequate clips.
- The shift cable, external transmission shift lever, and shift cable bracket must not be altered.
- Transmission identification tags must not be removed or destroyed.
- All transmission wire harness routing, locating clips, heat shielding, and clearance to the exhaust must be maintained as installed by the factory.

NOTE:

Starting with 2020 model year, the automatic transmission has a shift by wire function. A discharged battery has the following affects:

- The automatic transmission cannot be shifted into neutral or park positions. Please follow the service manual procedures for restoring battery power or towing the vehicle.

FRAME



WARNING:

Failure to follow the recommendations below may weaken the vehicle frame, which could result in death or serious injury.

- Do not weld on any part of the frame.
- Do not modify or alter the front crush horns. Modifications or alterations could adversely affect the vehicle in a crash.
- Only use Genuine NISSAN front tow hooks.
- Drilling holes in the frame is not authorized.

JACK (CREW CAB)

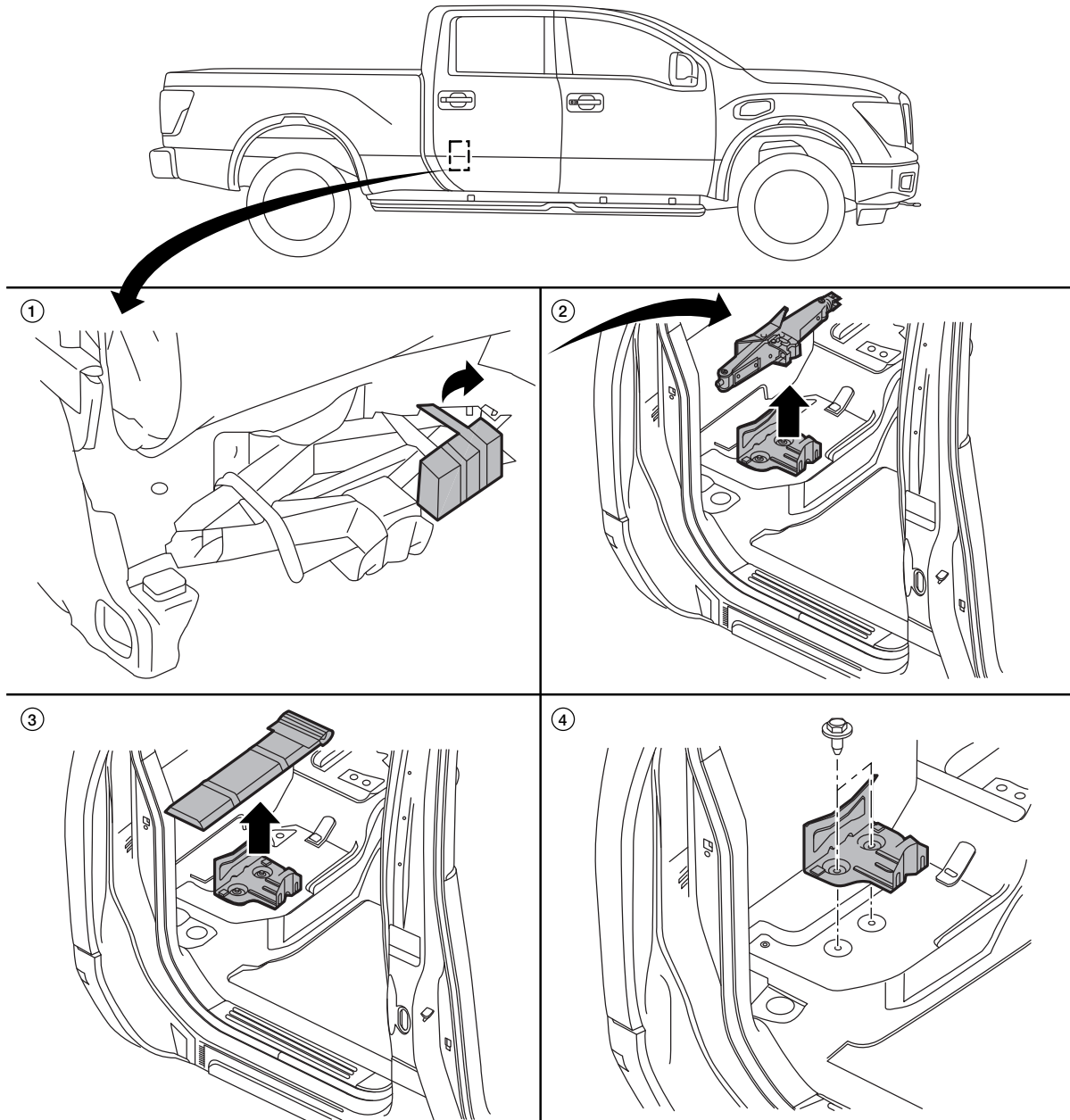
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

JACK (CREW CAB)

Jack Storage

NOTE:

Jack and tools are stored under RH rear seat.



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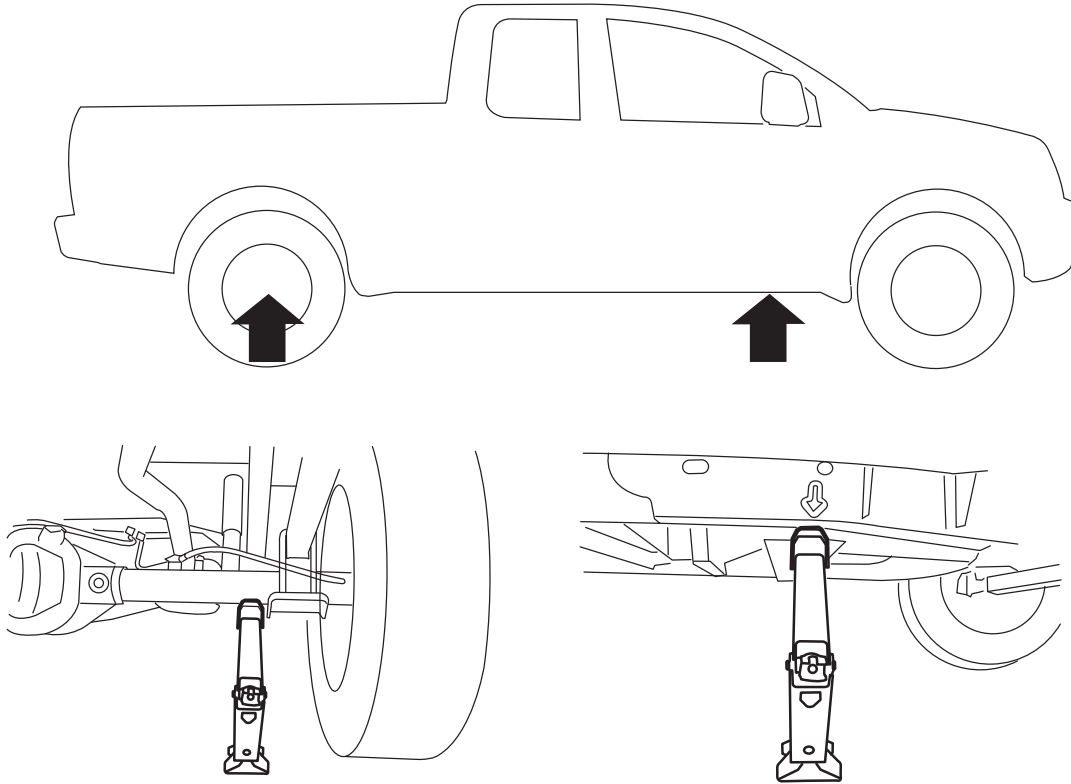
JACK (CREW CAB)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Jacking and Lifting Points

NOTE:

King Cab[®] shown, location identical in crew cab.

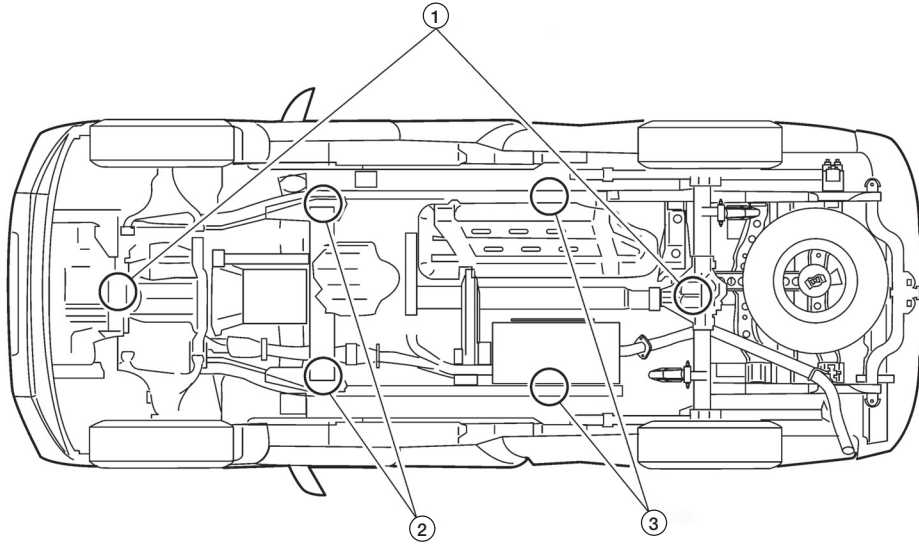


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JACK (CREW CAB)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Garage Jack Points



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1. Jack points

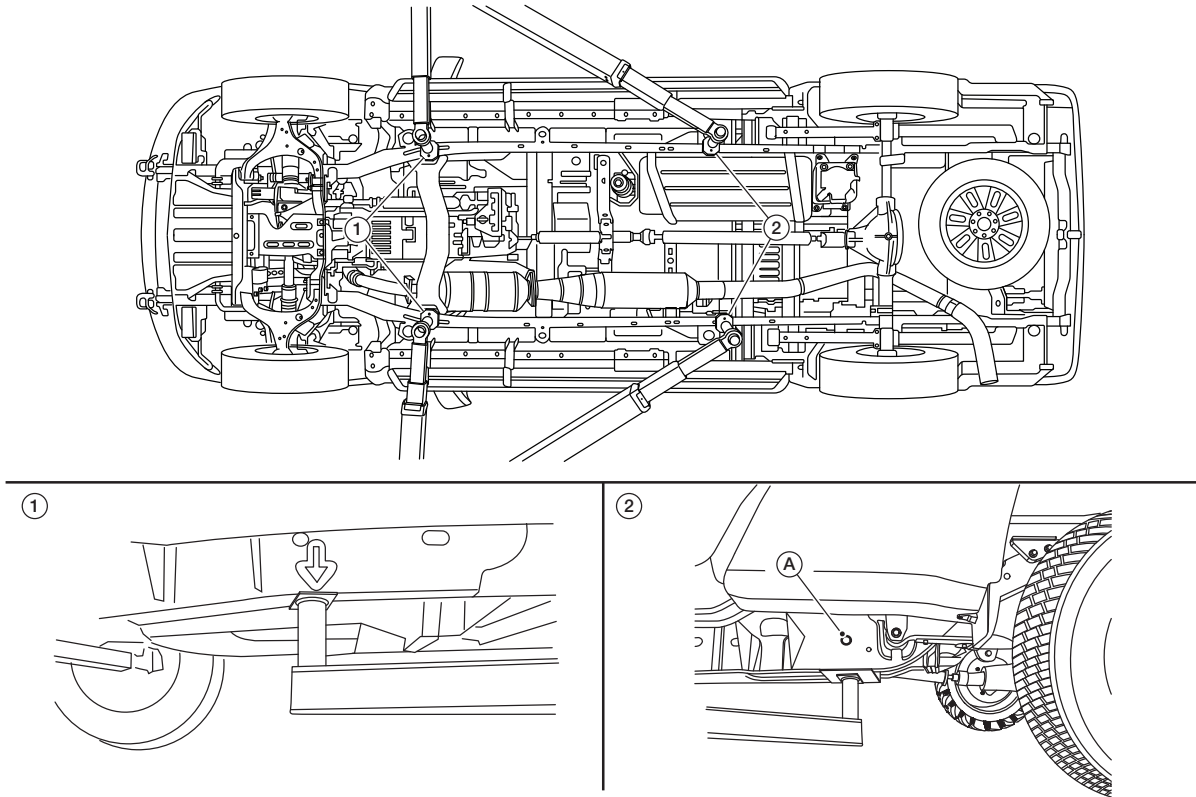
2. Front safety stand points

3. Rear safety stand points

JACK (CREW CAB)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2 Pole Lift Points



AAZIA0722ZZ

NOTE:

The rear lifting point location is indicated on frame by the hole forward of the front leaf spring mounting point.

1. Front lifting point

2. Rear lifting point

A. Rear lifting point indicator

JACK (KING CAB)[®] (2017-2019 Model Years)

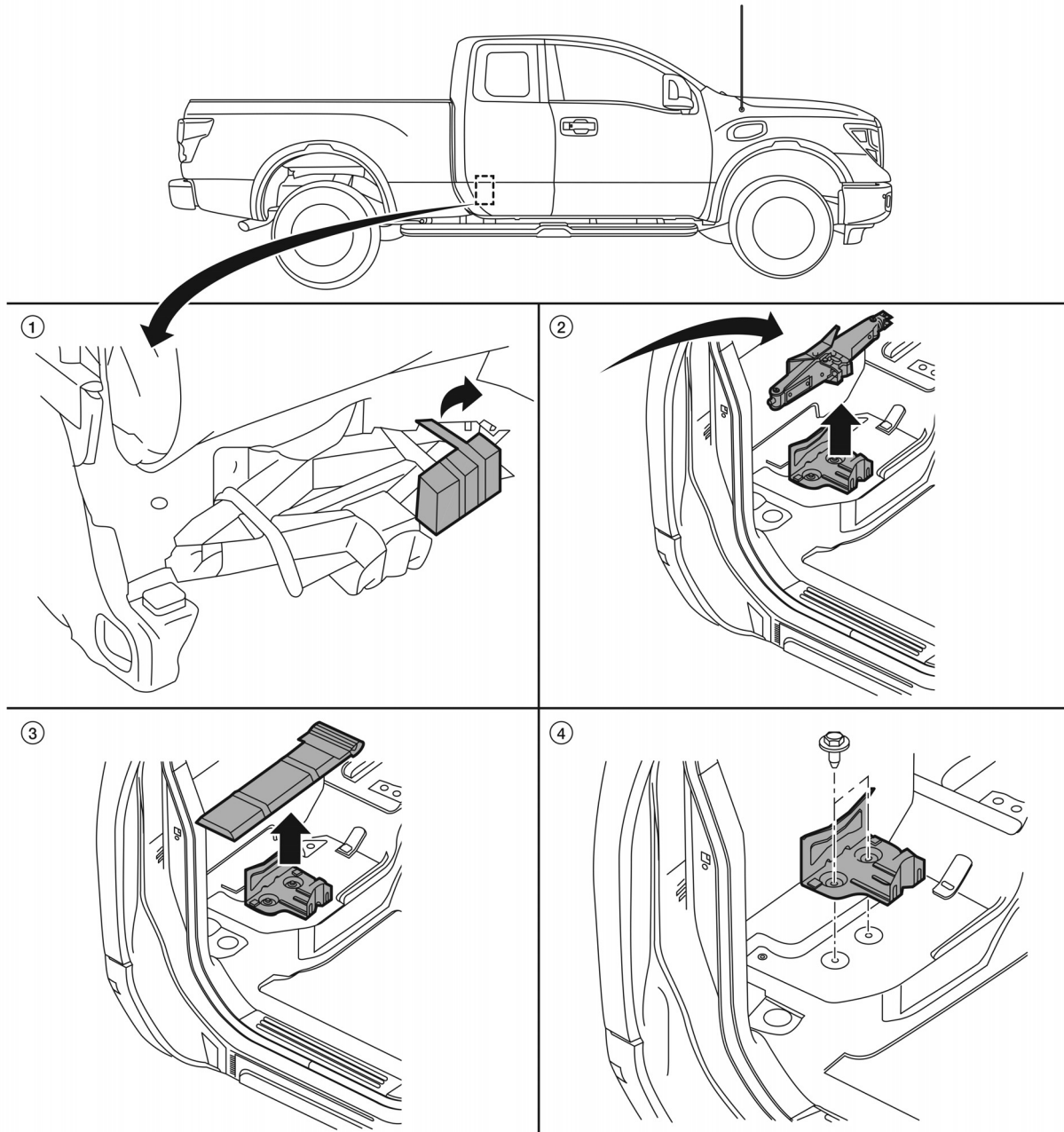
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

JACK (KING CAB)[®] (2017-2019 Model Years)

Jack Storage — With Rear Seat

NOTE:

Jack and tools are stored under RH rear seat.



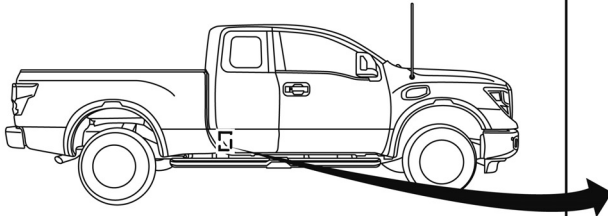
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JACK (KING CAB)[®] (2017-2019 Model Years)

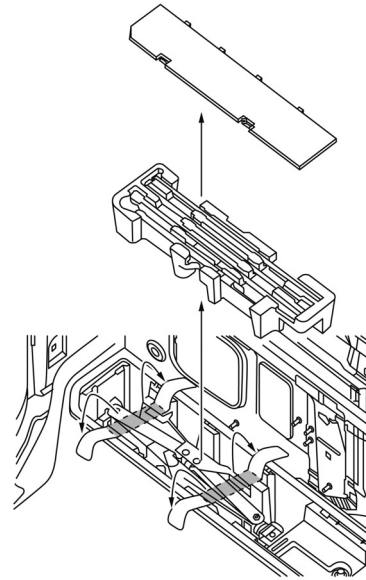
[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Jack Storage – Vehicles With Rear Seat Delete

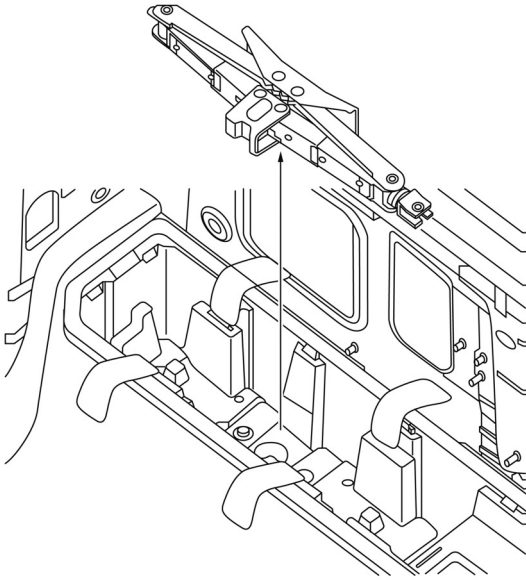
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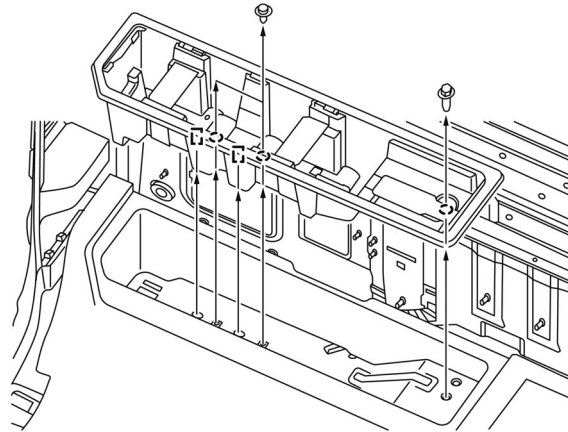
②



③



④

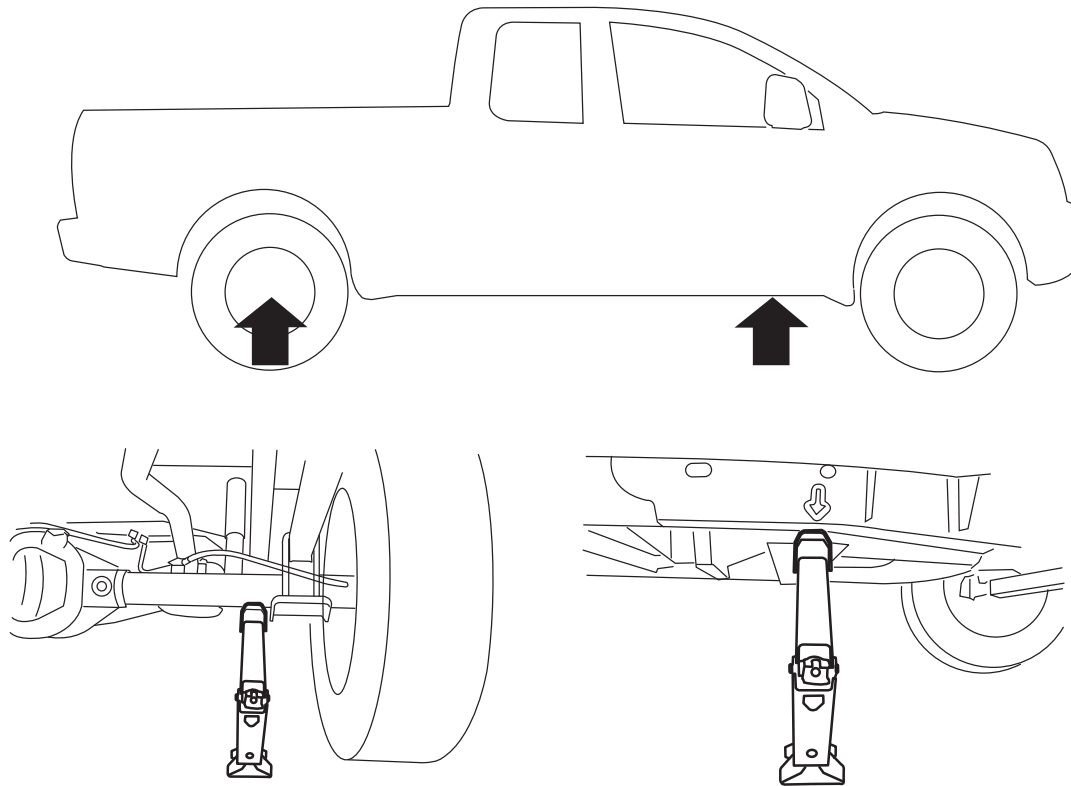


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JACK (KING CAB)[®] (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Jacking and Lifting Points

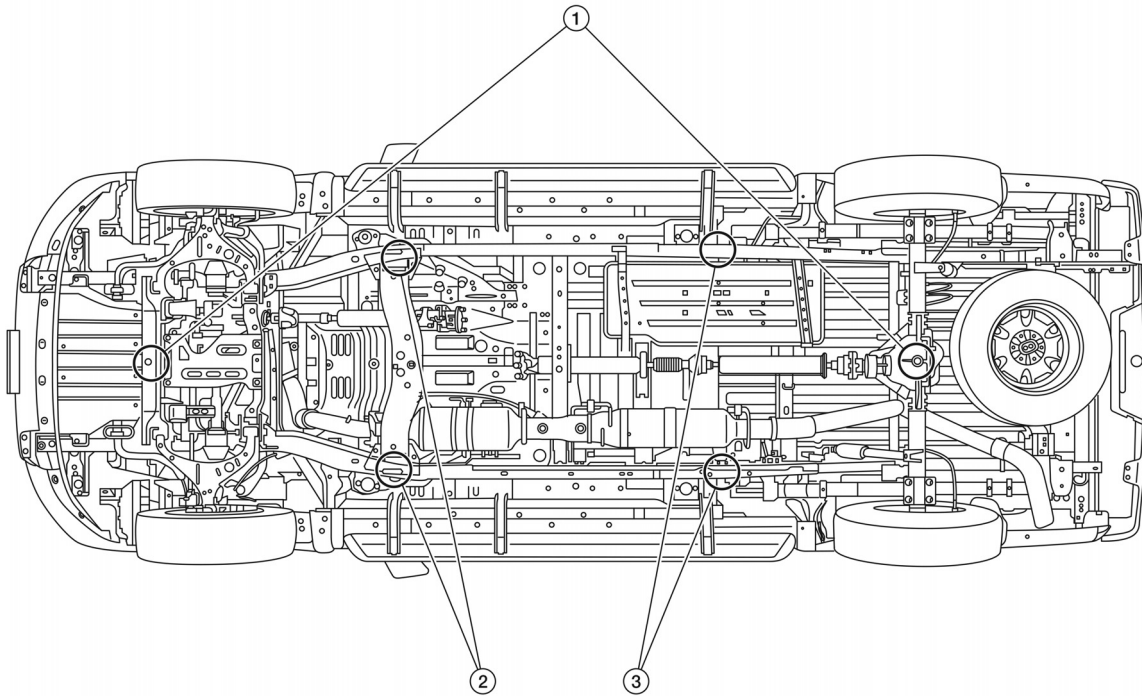


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JACK (KING CAB)[®] (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Garage Jack Points



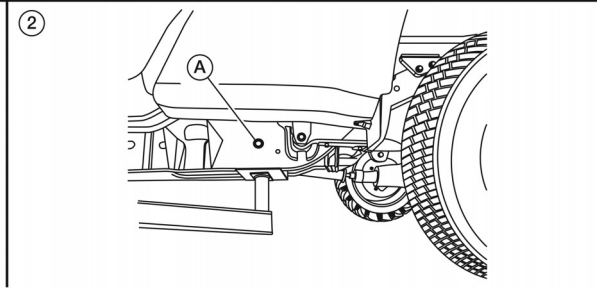
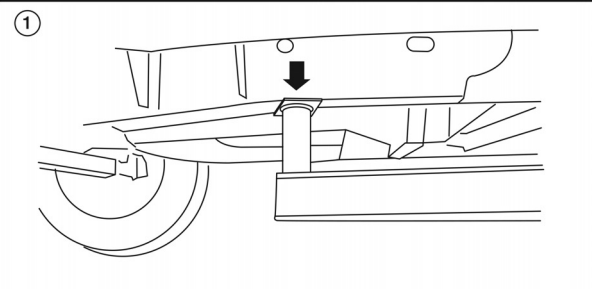
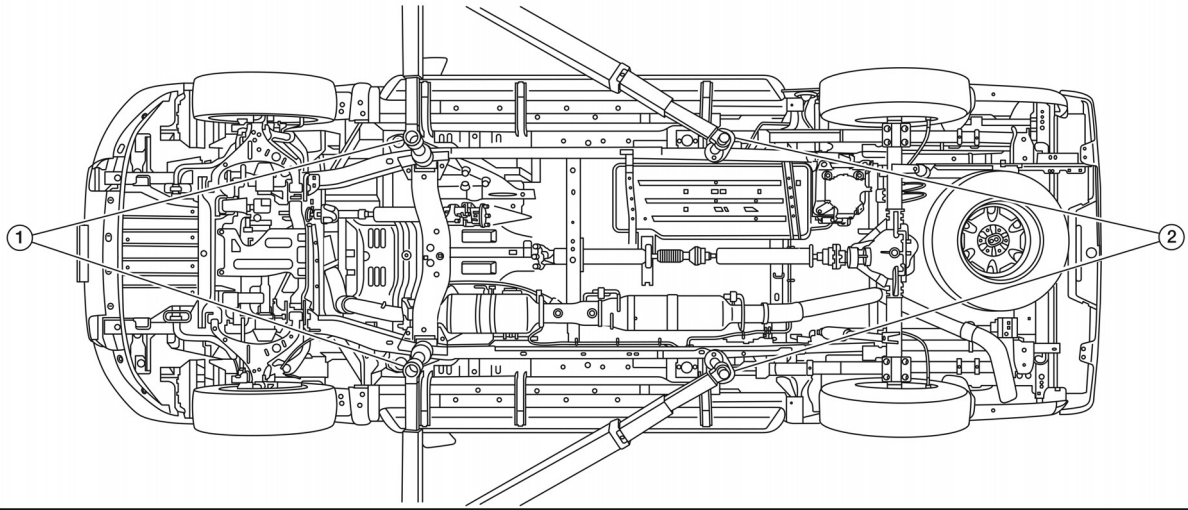
AAZIA0952ZZ

1. Jack points

2. Front safety stand points

3. Rear safety stand points

2 Pole Lift Points



AAZIA0953ZZ

NOTE:

The rear lifting point location is indicated on frame by the hole forward of the front leaf spring mounting point.

1. Front lifting point

2. Rear lifting point

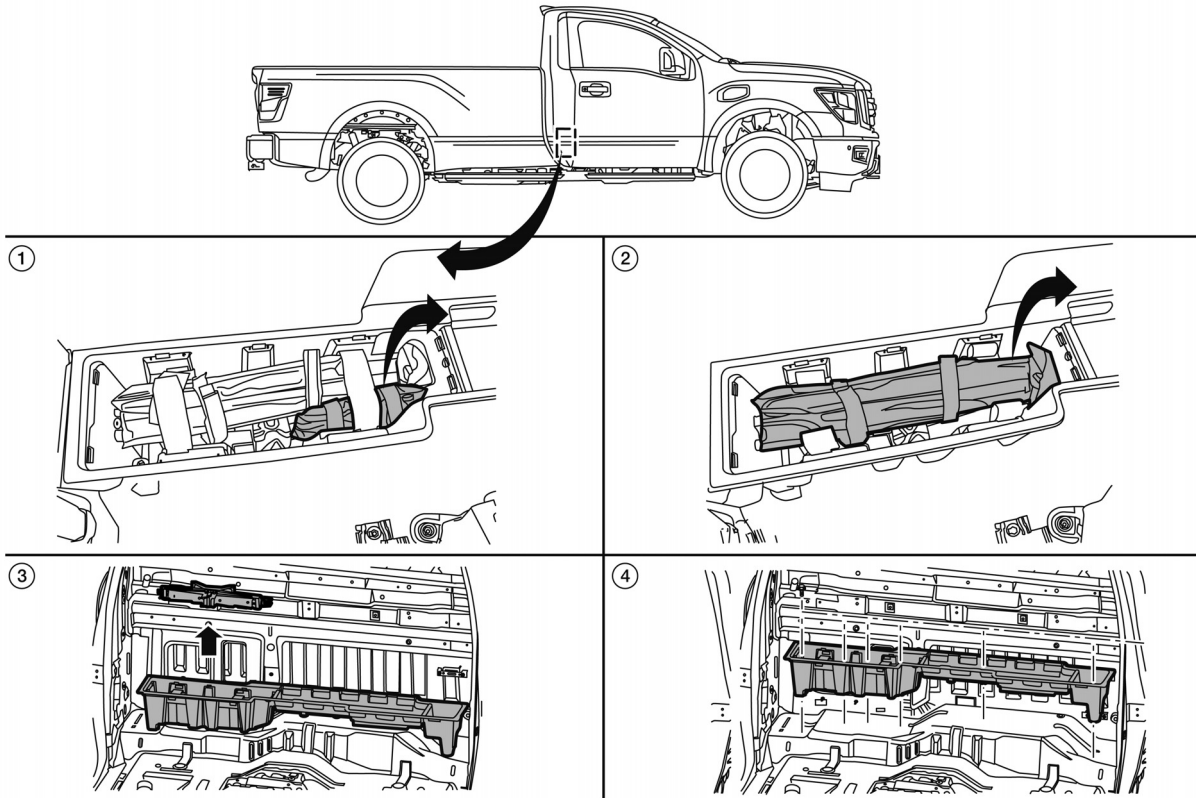
A. Rear lifting point indicator

JACK (SINGLE CAB) (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

JACK (SINGLE CAB) (2017-2019 Model Years)

Jack Storage



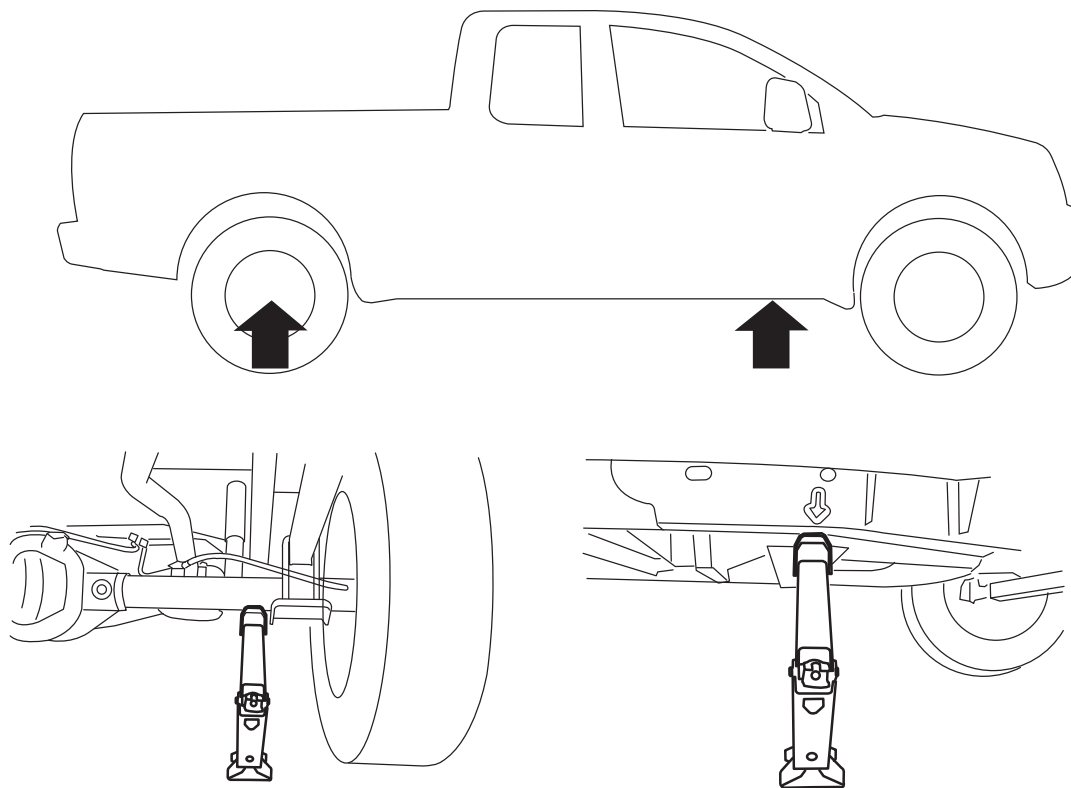
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JACK (SINGLE CAB) (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Jacking and Lifting Points

King Cab® shown, location identical in single cab.

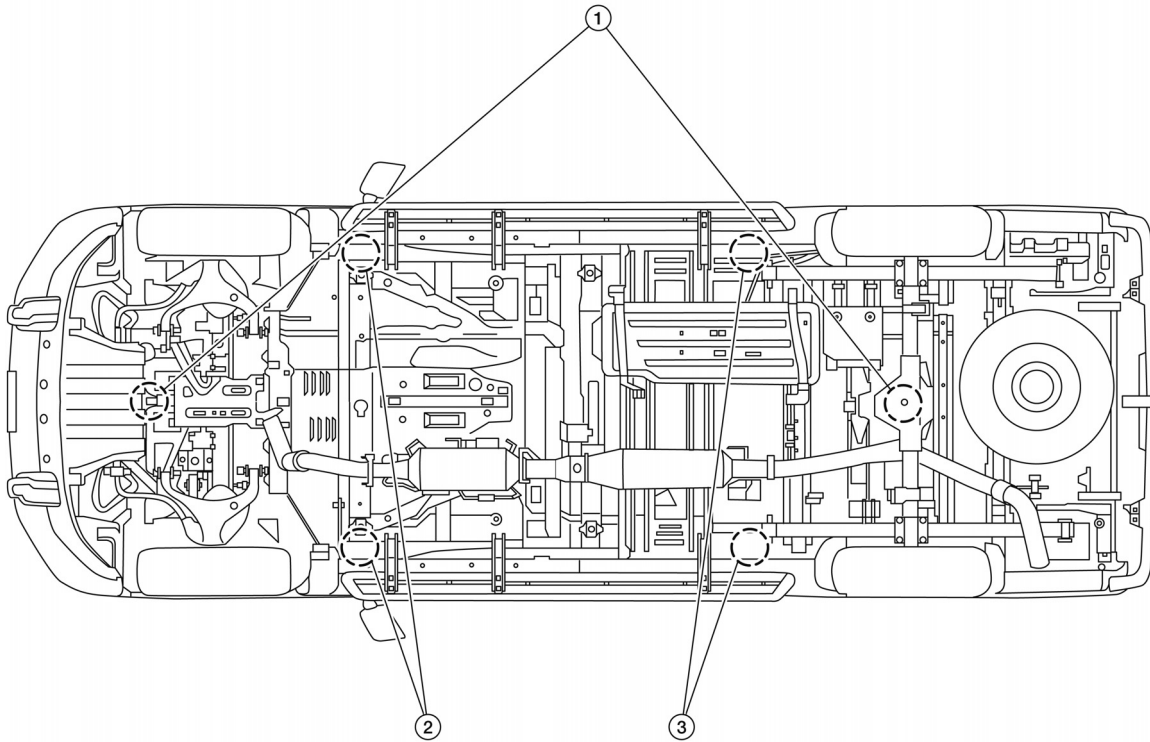


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JACK (SINGLE CAB) (2017-2019 Model Years)

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Garage Jack Points



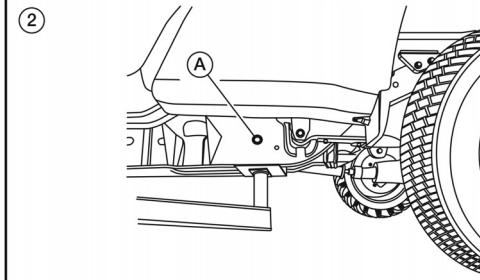
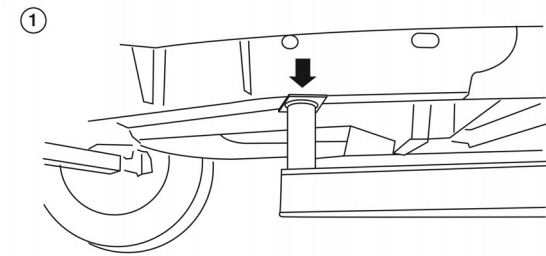
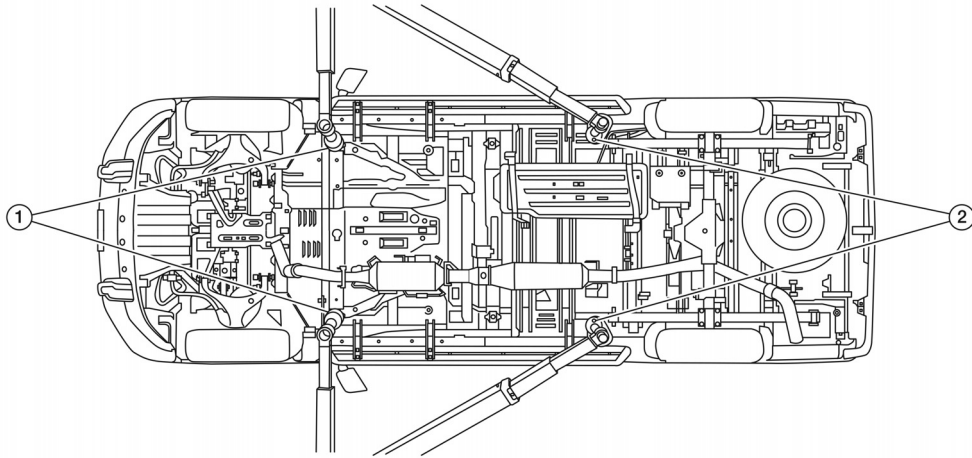
AAZIA0840ZZ

1. Jack points

2. Front safety stand points

3. Rear safety stand points

2 Pole Lift Points



AAZIA0881ZZ

NOTE:

The rear lifting point location is indicated on frame by the hole forward of the front leaf spring mounting point.

1. Front lifting point

2. Rear lifting point

A. Rear lifting point indicator

HIGH STRENGTH STEEL LOCATIONS

Precaution in Repairing High Strength Steel (HSS)



WARNING:

- While working, suitable work clothes, a work cap and safety shoes must be worn. To prevent burns, a long sleeve shirt and trousers must also be worn and must not be taken off under any circumstance.
- Before starting repair work, be sure to disconnect the negative terminal of the battery.
- Pay attention to ventilation and health of the operators.
- Paint and sealants may generate poisonous gases when heated by fire.



WARNING:

Do not heat, bend, or cut high strength steel or the structural integrity of the vehicle may be compromised.

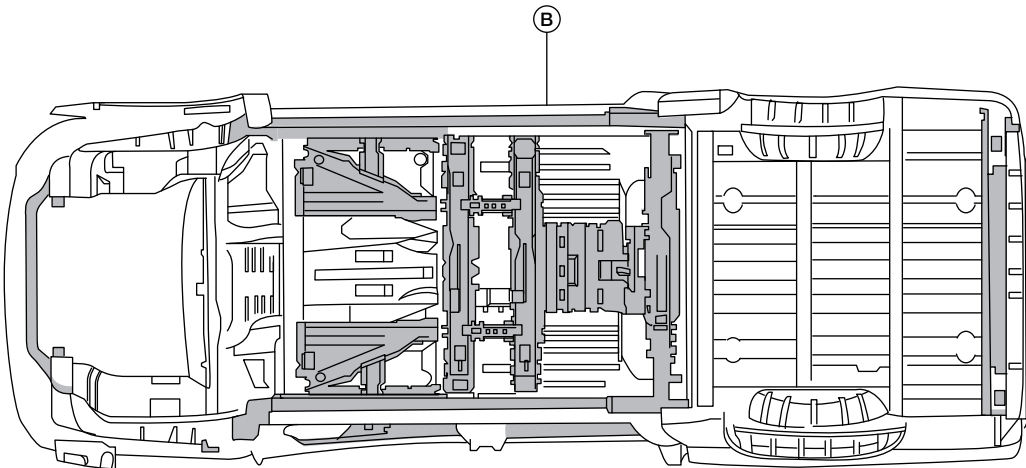
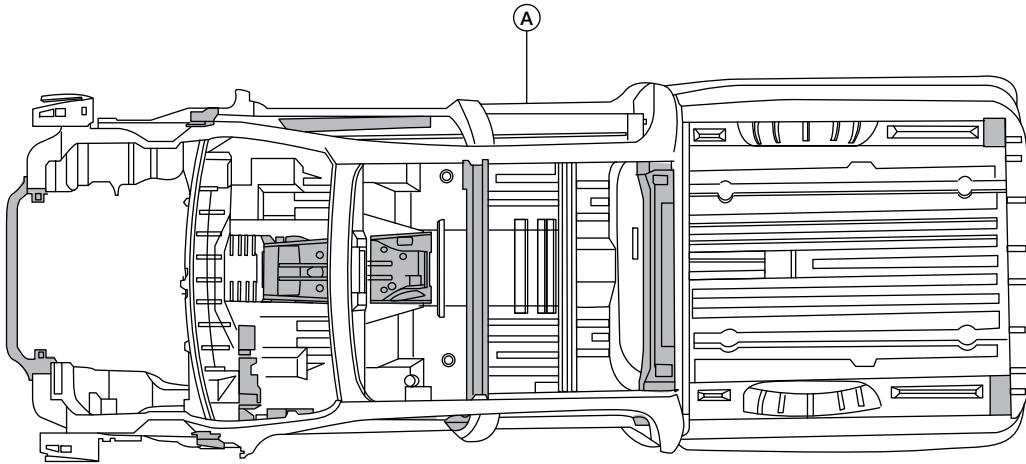
High Strength Steel Locations

The grey shading in the following illustrations indicate body areas with high strength steel (HSS).

HIGH STRENGTH STEEL LOCATIONS

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Floor



AAZIA0530ZZ

A: Top view

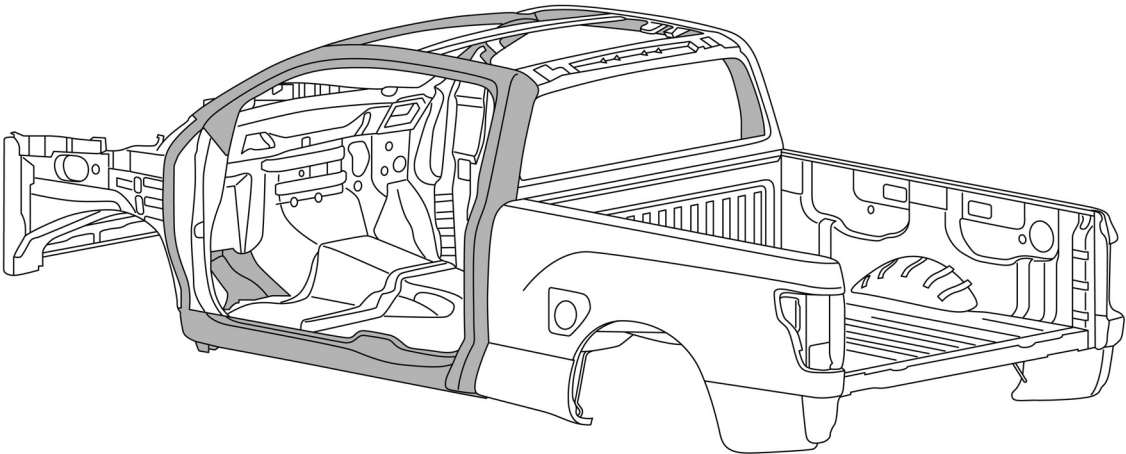
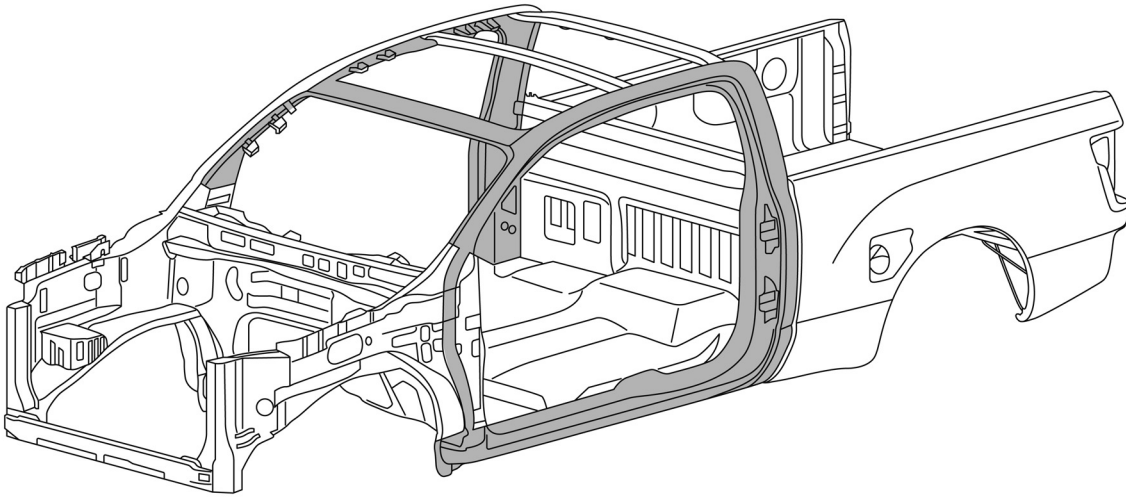
B: Underside view

HIGH STRENGTH STEEL LOCATIONS

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

King Cab® (2017-2019 Model Years)

Cab and Bed area

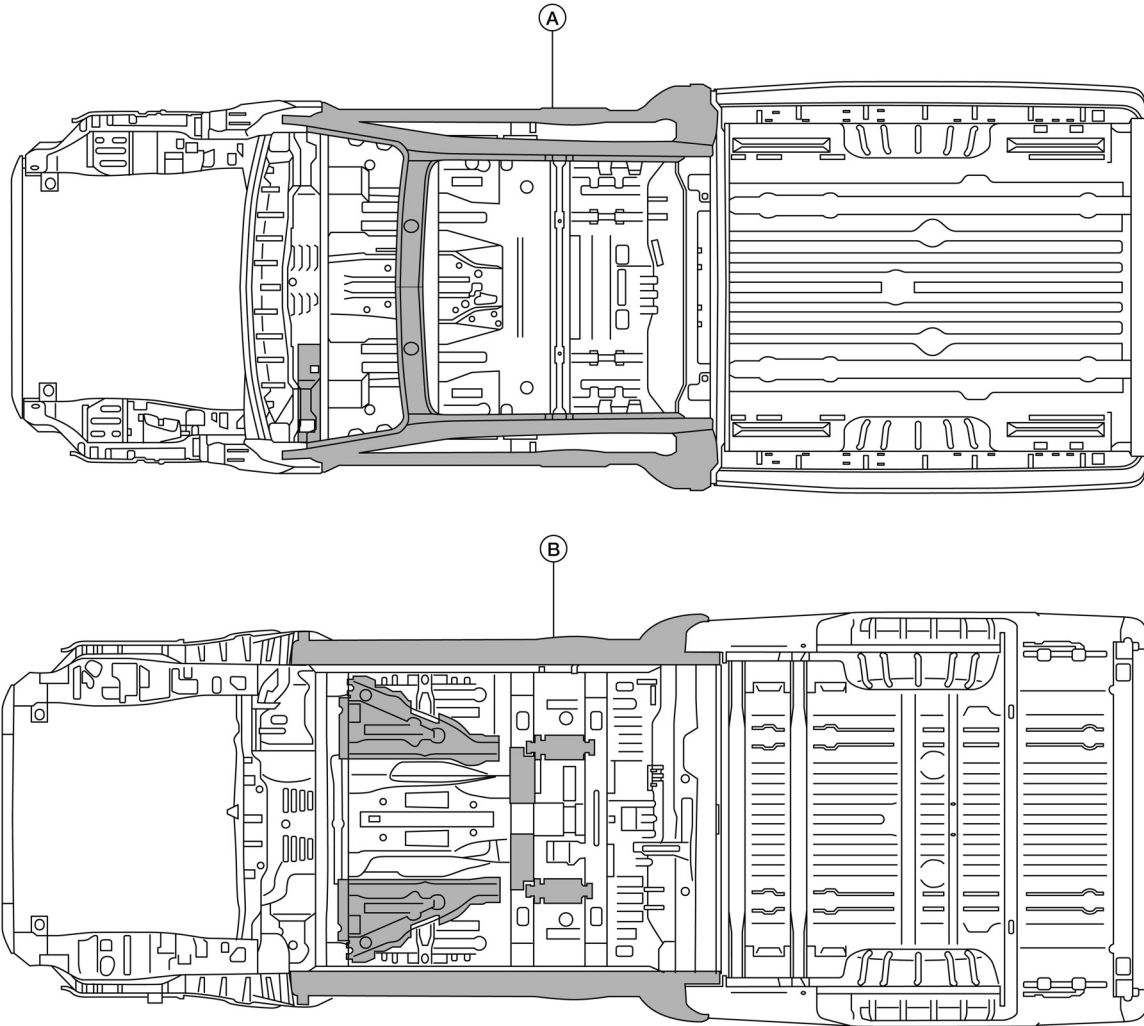


AAZIA0903ZZ

HIGH STRENGTH STEEL LOCATIONS

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Floor



AAZIA0907ZZ

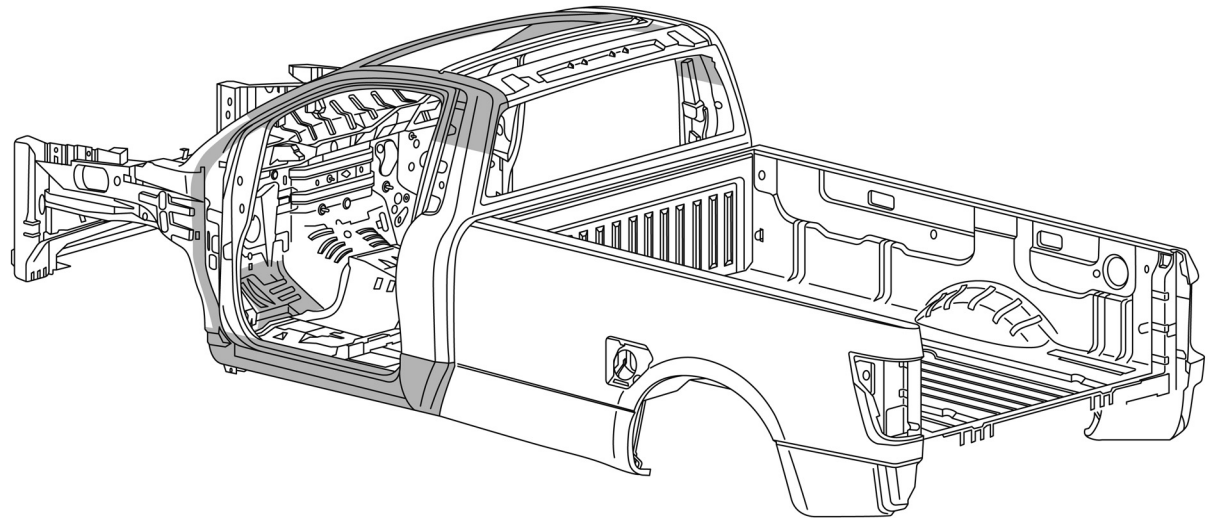
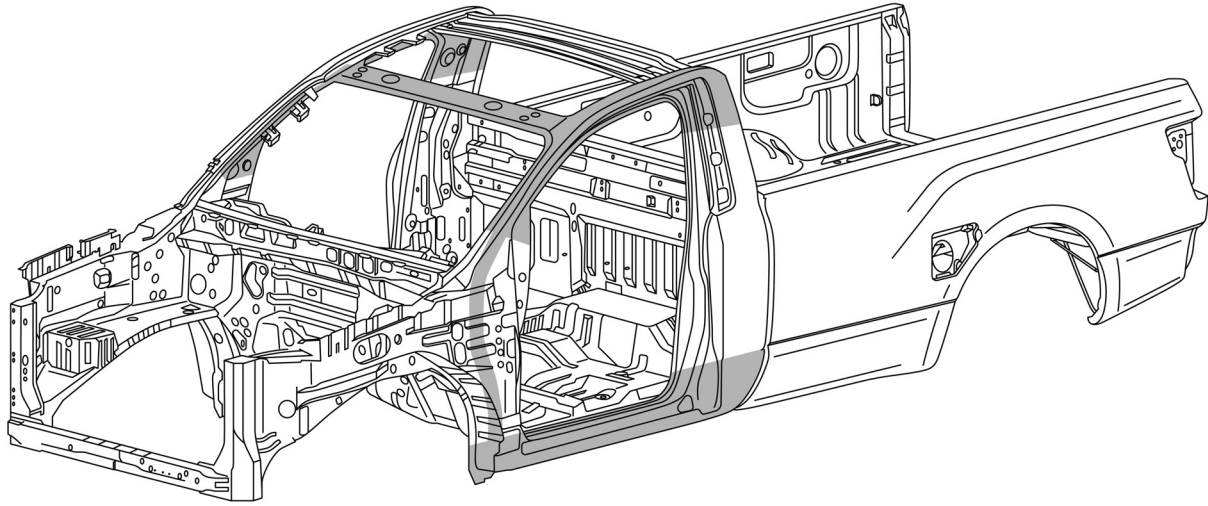
A: Top view

B: Underside view

HIGH STRENGTH STEEL LOCATIONS [DESIGN REQUIREMENTS FOR MODIFICATIONS]

Single Cab (2017-2019 Model Years)

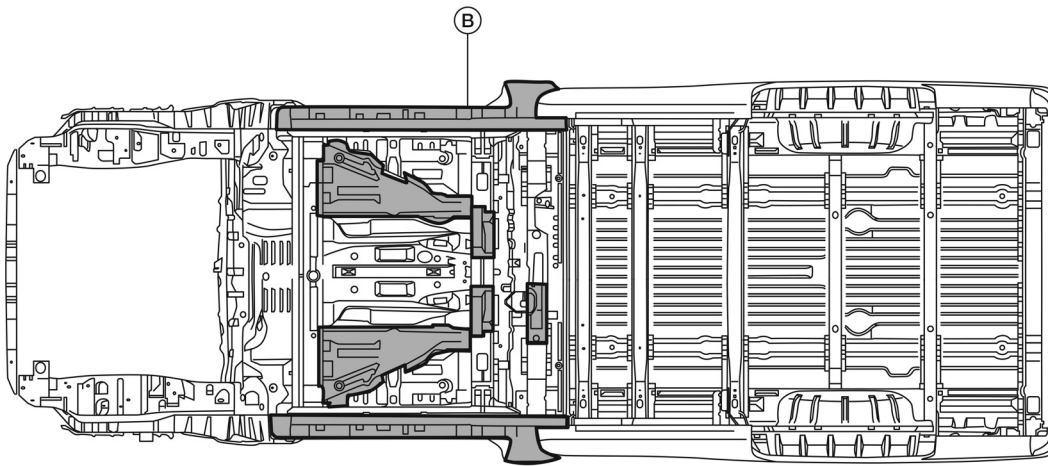
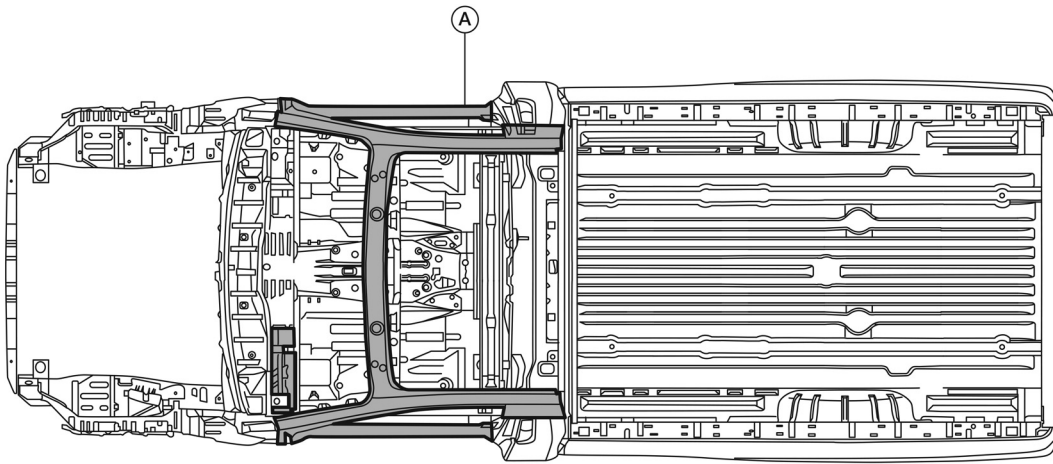
Cab and Bed area



AAZIA0818ZZ

HIGH STRENGTH STEEL LOCATIONS [DESIGN REQUIREMENTS FOR MODIFICATIONS]

Floor



AAZIA0819ZZ

A: Top view

B: Underside view

WELDING



WARNING:

Do not heat, bend, or cut high strength steel or the structural integrity of the vehicle may be compromised.

Refer to Service Manual BRM section for welding information.

VEHICLE INTERIOR

Modifications in the Vehicle Interior

General



WARNING:

The body builder, conversion company or dealer are responsible for making sure the modifications or installed equipment do not affect the safety of the vehicle, including modifications which may result in a collision, property damage, personal injury or death, such as but not limited to:

- **The modifications should not affect the operation of the control units (pedals, switches, rods, etc.) located in the area affected by the modification.**
- **The ergonomic access to the controls for the driver must not be prevented by the installation of new components.**
- **The aftermarket equipment manufacturer, second stage manufacturer, and upfitter must ensure that any modifications that have been made to the cabin still meet the legal requirements regarding the interior and exterior characteristics.**

After any modifications to the body that affect the acoustic and thermal insulation, the vehicle should be returned to a state that meets or exceeds its originally manufactured condition.

Any modifications made by the aftermarket equipment manufacturer, second stage manufacturer, and upfitter must be properly sealed to protect against corrosion.

No new holes should be drilled to allow for attaching any new components to the roof of the cabin.

All components that pass through the external sheet metal (for electric cables, telephone aerials, etc.) must be properly sealed. Only Nissan approved products should be used.

Changes to the center of gravity should not exceed the maximum authorized height. Refer to [CENTER OF GRAVITY \(CG\) \(pg. 88\)](#)

PAINT GENERAL INFORMATION

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

PAINT GENERAL INFORMATION

The aftermarket equipment manufacturer, second stage manufacturer, and upfitter are responsible for repairing any damage to the paint incurred while modifying the vehicle.

Only Nissan specified paint should be used for these repairs. Refer to the BRM section in the Service Manual for information about the paint.

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

PAINT WORK

2016-2018 Model Years

Exterior Body Color	Color code	QAK	QAB	KAC*	KAD**	K23	NAH	CAJ	RAY	G41	CAU	EAZ
	Description	White	White	Light Gray	Gray	Silver	Red	Light Brown	Blue	Black	Brown	Yellow
	Type	S	P	M	M	M	M	M	P	M	M	M
	Clear coat	t	t	t	t	t	t	t	t	t	t	t

M: Metallic, S: Solid, P: Pearl, t: Primerless Diamond Coat Clear

*: This is only applicable to models with 2-tone paint option package. Applied to the lower third of the fenders, doors and bed on models with 2-tone paint option package.

** : This color is used 2 ways: 1) it is the upper color on 2-tone models and 2) it is also applied as a full-body paint color.

2019 Model Year

Exterior Body Color	Color code	QAK	QAB	KAC*	KAD**	K23	NAH	CAJ	RAY	G41	CAU	DAL	EBB
	Description	White	White	Light Gray	Gray	Silver	Red	Light Brown	Blue	Black	Brown	Green	Orange
	Type	S	P	M	M	M	M	M	P	M	M	M	M
	Clear coat	t	t	t	t	t	t	t	t	t	t	t	t

M: Metallic, S: Solid, P: Pearl, t: Primerless Diamond Coat Clear

*: This is only applicable to models with 2-tone paint option package. Applied to the lower third of the fenders, doors and bed on models with 2-tone paint option package.

** : This color is used 2 ways: 1) it is the upper color on 2-tone models and 2) it is also applied as a full-body paint color.

2020 Model Year

Exterior Body Color	Color code	QAK	QAB**	KAC	KAD*	K23	A20	HAL**	RAY**	KH3**	NBY**
	Description	White	White	Light Gray	Gray	Silver	Red	Yellow	Blue	Black	Red
	Type	S	P	M	M	M	M	S	P	S	M
	Clear coat	t	t	t	t	t	t	t	t	t	t

M: Metallic, S: Solid, P: Pearl, t: Primerless Diamond Coat Clear

*: This color is used 2 ways: 1) it is the lower third of the fenders, doors and bed on models with 2-tone paint option package and 2) it is also applied as a full-body paint color.

** : This color is used 2 ways: 1) it is the upper color on 2-tone models and 2) it is also applied as a full-body paint color.

Starting with 2021 Model Year

Exterior Body Color	Color code	QAK	QAB**	KAC	KAD*	K23	A20	HAL**	RAY**	KH3**	NBY**
	Description	White	White	Light Gray	Gray	Silver	Red	Yellow	Blue	Black	Red
	Type	S	P	M	M	M	M	S	P	S	M
	Clear coat	x	x	x	x	x	x	x	x	x	x

M: Metallic, S: Solid, P: Pearl, x: Standard Clear Coat

*: This color is used 2 ways: 1) it is the lower third of the fenders, doors and bed on models with 2-tone paint option package and 2) it is also applied as a full-body paint color.

** : This color is used 2 ways: 1) it is the upper color on 2-tone models and 2) it is also applied as a full-body paint color.

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2016-2017 Model Years

Component	Country	Trim Level	Color
Outside mirrors	USA	S, SV, Pro-4X	Black
		SL	Chrome
		Platinum	Dark Chrome
	Canada	S, SV, Pro-4X	Black
		SL	Chrome
		Platinum	Dark Chrome
Front Bumper	USA	S	Black Paint
		SL, SV	Chrome
		Platinum, Pro-4X	Body Color Painted
	Canada	S	Black
		SL, SV	Chrome
		Platinum, Pro-4X	Painted
Rear Bumper	USA	S	Dark Paint
		SL, SV	Chrome
		Platinum, Pro-4X	Painted
	Canada	S	Dark Paint
		SL, SV	Chrome
		Platinum, Pro-4X	Painted
Outside handles	USA	S	Black no paint with grain
		Pro-4X	Black no paint with grain, with Nissan Intelligent Key®
		SV Base	Chrome
		SV, SL	Chrome with Nissan Intelligent Key®
		Platinum	Dark Chrome with Nissan Intelligent Key®
	Canada	S	Black no paint with grain
		Pro-4X	Black no paint with grain, with Nissan Intelligent Key®
		SV Base	Chrome
		SV, SL	Chrome with Nissan Intelligent Key®
		Platinum	Dark Chrome with Nissan Intelligent Key®

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Component	Country	Trim Level	Color
Grille Surround	USA	SV, SL, SL Base	Premium Chrome
		Platinum	Dark Chrome
		Pro-4X	Body Color
		S	Low gloss black paint
	Canada	SV, SL, SL Base	Premium Chrome
		Platinum	Dark Chrome
		Pro-4X	Body Color
		S	Low gloss black paint
Mesh Grille	USA	SV	Premium metallic paint
		SL	Satin Chrome
		Platinum	Satin Chrome
		Pro-4X	Gloss metallic black paint
		S	Low gloss black paint
		SL Base	Satin Chrome
	Canada	SV	Premium metallic paint
		SL	Satin Chrome
		Platinum	Satin Chrome
		Pro-4X	Gloss metallic black paint
		S	Low gloss black paint
		SL Base	Satin Chrome

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2018-2019 Model Years

Component	Country	Trim Level	Color
Outside mirrors	USA	S, SV, Pro-4X, Midnight Edition***	Black
		SL	Chrome
		Platinum	Dark Chrome
	Canada	S, SV, Pro-4X	Black
		SL	Chrome
		Platinum	Dark Chrome
Front Bumper	USA	S	Low gloss black paint
		S, Pro-4X	High gloss metallic gray paint**
		Pro-4X, Platinum	High gloss metallic gray paint*
		Pro-4X, Platinum, Midnight Edition***	Body Color Painted
		SV, Pro-4X, SL, Platinum	Chrome
		SV, SL	Chrome and Body Color
	Canada	S	Low gloss black paint
		Pro-4X	High gloss metallic gray paint**
		Platinum	High gloss metallic gray paint*
		Pro-4X, Platinum	Body Color Painted
		SV, SL	Chrome
	Rear Bumper	USA	S, Platinum
S, SV, Pro-4X, SL, Platinum, Midnight Edition***			Body Color
SV, Pro-4X, SL, Platinum			Chrome trim accent
SV			Chrome
SV			Chrome and Body Color
Canada		S	Low gloss black paint
		S, SV, Pro-4X, SL, Platinum	Body Color
		SV	Chrome

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Component	Country	Trim Level	Color
Outside handles – Cab	USA	S, SV, Pro-4X, SL, Platinum, Midnight Edition***	Black no paint with grain
		S, SV, Pro-4X, SL	Chrome
		SV, SL, Platinum	Dark Chrome
	Canada	S, Pro-4X	Black no paint with grain
		SV, SL	Chrome
		Platinum	Dark Chrome
Tailgate handle	USA	S, SV, Pro-4X, SL, Platinum	Black no paint with grain
	Canada	S, SV, Pro-4X, SL, Platinum	Black no paint with grain
Mesh Grille	USA	S, SV, Pro-4X, SL, Platinum	Low gloss black paint
		S, Pro-4X	Body Color
		Midnight Edition***	Body Color with Dark Insert
		SV, Pro-4X	Chrome and Metallic Chrome Paint
		SV, SL	Chrome and Satin Chrome
		SV, SL	Chrome and Bright Chrome
	Canada	SV, SL, Platinum	Dark Chrome and Satin Chrome
		S	Black paint and black
		Pro-4X	Body Color and Black
		SV	Chrome and Metallic Chrome Paint
		SL	Chrome and Satin Chrome
		SV, SL, Platinum	Chrome and Bright Chrome
Front Grille	USA	SV, SL	Chrome and Bright Chrome
	Canada	SV, SL, Platinum	Chrome and Bright Chrome

*: This is only applicable to models with 2-tone paint option package. Applied to the lower third of the fenders, doors and bed on models with 2-tone paint option package.

** : This color is used 2 ways: 1) it is the upper color on 2-tone models and 2) it is also applied as a full-body paint color.

***: Midnight Edition is applicable to SV and SL models only.

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

2020 Model Year

Component	Country	Trim Level	Color
Outside mirrors	USA	S, SV, Pro-4X,	Black
		SL	Chrome
		Platinum	Dark Chrome
	Canada	S, SV, Pro-4X	Black
		SL	Chrome
		Platinum	Dark Chrome
Front Bumper – Upper	USA	S, SV, SL, Pro-4X, Platinum	Body Colored
	Canada	S, SV, SL, Pro-4X, Platinum	Body Colored
Front Bumper – Center	USA	S	Low Gloss Black
		SV, SL, Platinum	Chrome
		Pro-4X	Semi-Gloss Dark
	Canada	S	Low Gloss Black
		SV, SL, Platinum	Chrome
		Pro-4X	Semi-Gloss Dark
Front Bumper – Sides	USA	S, SV, SL, Pro-4X, Platinum	Body Colored
		Platinum	Gun Metallic gray*
	Canada	S, SV, SL, Pro-4X, Platinum	Body Colored
		Platinum	Gun Metallic gray*
Rear Bumper	USA	S	Low gloss black paint
		SV, SL	Body Color
		Pro-4X, Platinum	Semi gloss dark
		Platinum	Gun Metallic gray*
	Canada	S	Low gloss black paint
		SV, SL	Body Color
		Pro-4X, Platinum	Semi gloss dark
		Platinum	Gun Metallic gray*
Outside handles – Cab	USA	S, Pro-4X	Black with grain
		SV, SL	Chrome
		Platinum	Dark Chrome
	Canada	S, Pro-4X	Black with grain
		SV, SL, Platinum	Chrome
Tailgate handle	USA	S, SV, SL, Pro-4X, Platinum	Black with grain
	Canada	S, SV, SL, Pro-4X, Platinum	Black with grain

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Component	Country	Trim Level	Color
Mesh Grille	USA	S	Low gloss black paint
		Pro-4X	Semi-gloss dark
		SV	Metallic gray paint
		SL	Bright Chrome
		Platinum	Satin Chrome
	Canada	S	Low gloss black paint
		Pro-4X	Semi-gloss dark
		SV	Metallic gray paint
		SL	Bright Chrome
		Platinum	Satin Chrome
Front Grille	USA	S, SV	Black Paint
		Pro-4X	Body Color
		SV	Chrome
		SL	Bright Chrome
		Platinum	Satin Chrome
	Canada	S	Low Gloss Black
		SV	Body Color
		SL	Bright Chrome
		Pro-4X	Black Paint
		Platinum	Satin Chrome

*:This color is used 2 ways: 1) it is the lower third of the fenders, doors and bed on models with 2-tone paint option package and 2) it is also applied as a full-body paint color.

PAINT WORK

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

Starting with 2021 Model Year

Component	Trim Level	Color
Roof spoiler	S, SV, SL, Pro-4X, Platinum	Body Colored
Outside mirrors	S, SV, Pro-4X	Black
	SL	Chrome
	Platinum	Dark Chrome
Front Bumper – Upper	S, SV, SL, Pro-4X, Platinum	Body Colored
Front Bumper – Center	S	Low Gloss Black
	SV, SL, Platinum	Chrome
	Pro-4X	Semi-Gloss Dark
Front Bumper – Sides	S, SV, SL, Pro-4X, Platinum	Body Colored
	Platinum	Gun Metallic gray*
Rear Bumper	S	Low gloss black paint
	SV, SL	Body Colored
	Pro-4X, Platinum	Semi gloss dark
	Platinum	Gun Metallic gray*
Outside handles – Cab	S, Pro-4X	Black
	SV, SL, Platinum	Chrome
	Platinum	Dark Chrome
Tailgate handle	S, SV, SL, Pro-4X, Platinum	Black
Front Grille Surround / Mesh	S, SV	Black / Black mesh
	Pro-4X	Body Colored / Black mesh
	SV, SL, Platinum	Chrome / Chrome

*:This color is used 2 ways: 1) it is the lower third of the fenders, doors and bed on models with 2-tone paint option package and 2) it is also applied as a full-body paint color.

ADHESIVE INFORMATION

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

ADHESIVE INFORMATION

MSDS Information

Contact the product supplier for the latest MSDS (Material Safety Data Sheet) information.

Product Name	Code/Number	Supplier/Emergency Phone Numbers
Pretreatment (Chemfos)	CF700	PPG Refinish www.ppg.com Technical information: 1-800-647-6050 Safety information: USA 1-412-434-5415 Canada 1-514 645-1320 Product safety/MSDS information: 1-412-492-5555
E-coat/ED	ED6465M	
Air-dry Under body coating	AB2230N1	EFTEC North America, L.L.C. www.eftec.com 24 hour emergency 1-888-853-1758 Emergency transport 1-800-424-9300
Stone guard (PVC)	EF6287	
Hi-Perf LASD	AISIN 550	Aisin Chemical www.aisinworld.com
Structural adhesive	73305 (regular), 73305GB (HEM with glass bond)	Dow Chemical Co. www.dow.com 24 hour emergency 1-989-636-4400 Customer information 1-800-258-2436
Paint sealer	6003	Uniseal Corp. www.uniseal.com
Mastic	168.4 (regular), 168.8 (expandable)	1-800-443-6297 1-812-463-5230

REPLACING BOLTS

[DESIGN REQUIREMENTS FOR MODIFICATIONS]

REPLACING BOLTS

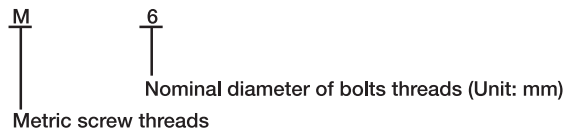
Tightening Torque Table

Grade	Bolt size	Bolt diameter * mm	Pitch mm	Tightening torque (Without lubricant)							
				Hexagon head bolt				Hexagon flange bolt			
				N·m	kg·m	ft·lb	in·lb	N·m	kg·m	ft·lb	in·lb
4T	M6	6.0	1.0	5.5	0.56	4	49	7	0.71	5	62
	M8	8.0	1.25	13.5	1.4	10	—	17	1.7	13	—
			1.0	13.5	1.4	10	—	17	1.7	13	—
	M10	10.0	1.5	28	2.9	21	—	35	3.6	26	—
			1.25	28	2.9	21	—	35	3.6	26	—
	M12	12.0	1.75	45	4.6	33	—	55	5.6	41	—
1.25			45	4.6	33	—	65	6.6	48	—	
M14	14.0	1.5	80	8.2	59	—	100	10	74	—	
7T	M6	6.0	1.0	9	0.92	7	80	11	1.1	8	97
	M8	8.0	1.25	22	2.2	16	—	28	2.9	21	—
			1.0	22	2.2	16	—	28	2.9	21	—
	M10	10.0	1.5	45	4.6	33	—	55	5.6	41	—
			1.25	45	4.6	33	—	55	5.6	41	—
	M12	12.0	1.75	80	8.2	59	—	100	10	74	—
1.25			80	8.2	59	—	100	10	74	—	
M14	14.0	1.5	130	13	96	—	170	17	125	—	
9T	M6	6.0	1.0	11	1.1	8	—	13.5	1.4	10	—
	M8	8.0	1.25	28	2.9	21	—	35	3.6	26	—
			1.0	28	2.9	21	—	35	3.6	26	—
	M10	10.0	1.5	55	5.6	41	—	80	8.2	59	—
			1.25	55	5.6	41	—	80	8.2	59	—
	M12	12.0	1.75	100	10	74	—	130	13	96	—
1.25			100	10	74	—	130	13	96	—	
M14	14.0	1.5	170	17	125	—	210	21	155	—	

* Nominal diameter

1. Special parts are excluded.
2. This standard is applicable to bolts having the following marks embossed on the bolt head.

Grade	Mark
4T 4
7T 7
9T 9



MG1044A

ADD ON EQUIPMENT

ANTI-CORROSION PROTECTION

**WARNING:**

To avoid risk of death or injury caused by vehicle modifications, check for proper clearance between existing components or newly installed components.

**CAUTION:****Failure to refinish bare metal will result in corrosion**

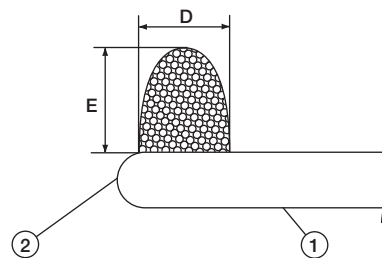
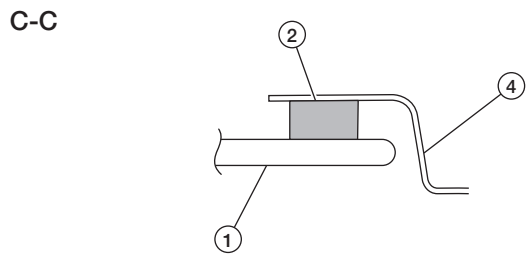
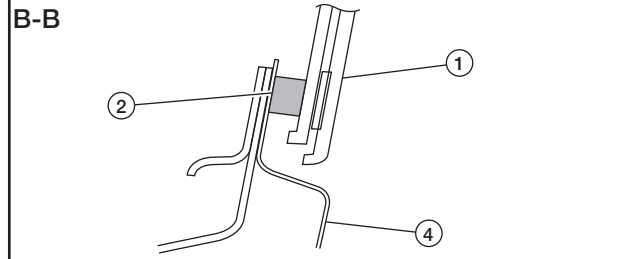
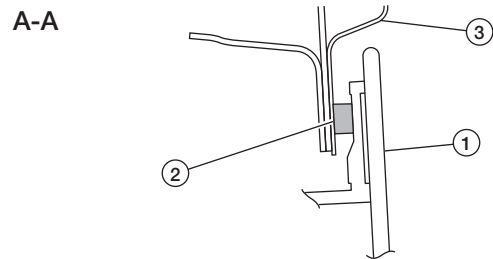
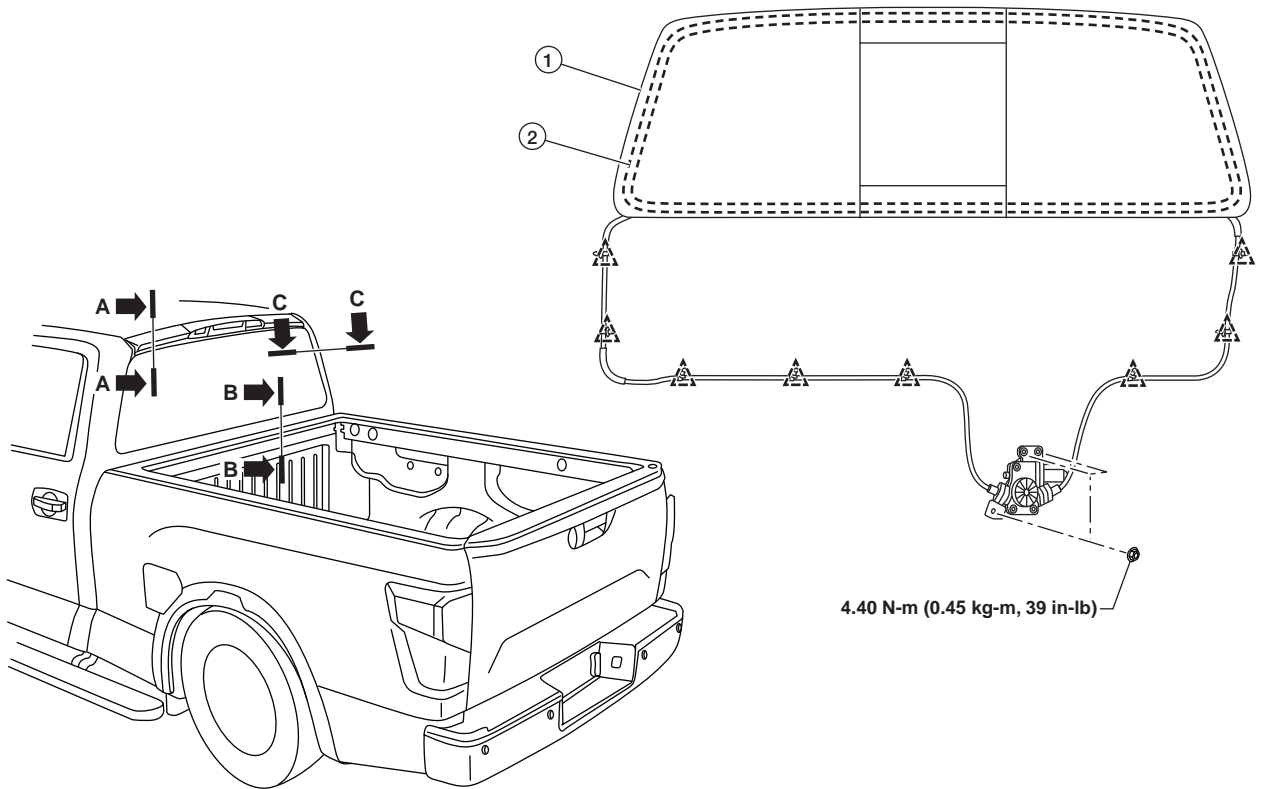
The basic steps to refinish bare metal are as follows:

1. Prep the metal surface(s) as follows:
 - a. Remove burrs from the edges with a file or sandpaper.
 - b. Thoroughly clean the metal with solvent and allow to completely dry.
 - c. Apply self-etching primer to all bare metal.
 - d. Allow primer to properly dry.
2. Apply base coat paint and allow to properly dry.
3. Apply clear coat and allow to properly dry.
4. To help prevent internal corrosion, apply cavity wax into any applicable areas.

REAR WINDOW GLASS

Exploded Views

With Power Sliding Glass – Crew Cab Only



AAZIA0565ZZ

- 1. Rear window glass
- 4. Body side outer panel

- 2. Adhesive
- D. 7 mm +2, -0 mm (0.28 in +0.08, -0 in)

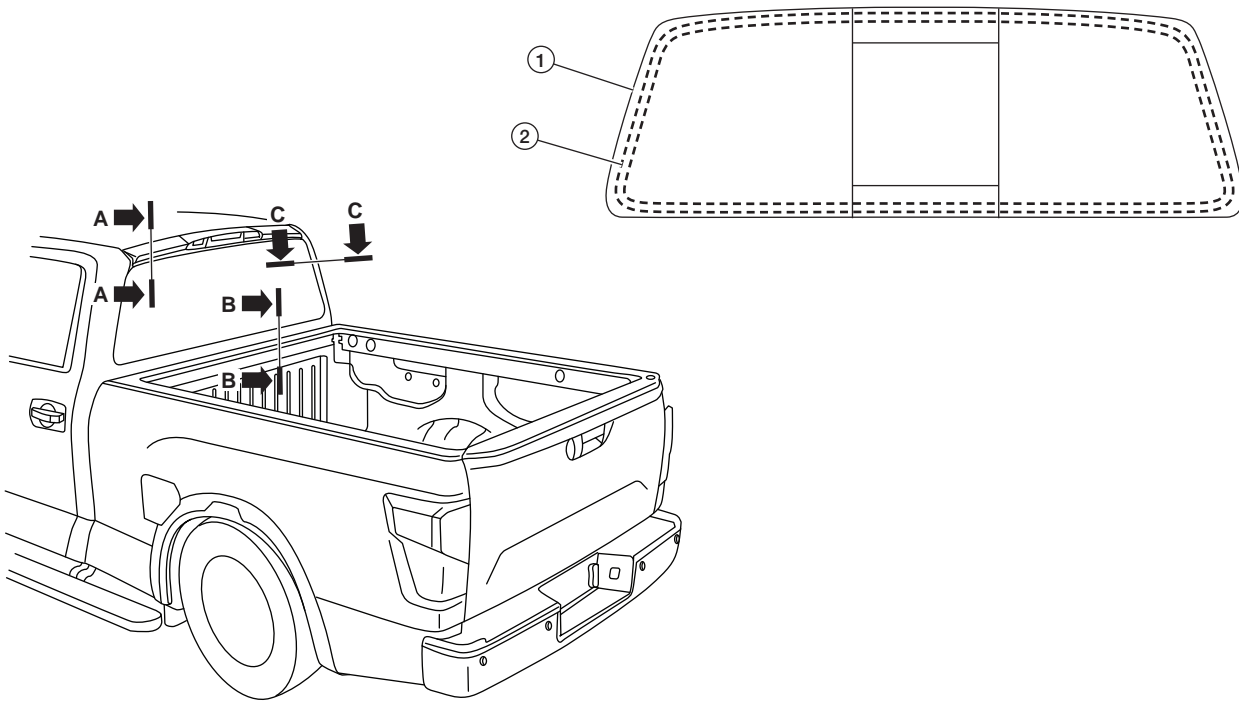
- 3. Roof panel
- E. 12 mm +2, -0mm (0.47 in +0.08, -0 in)

△ Clip

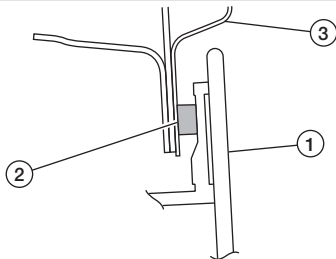
REAR WINDOW GLASS

[ADD ON EQUIPMENT]

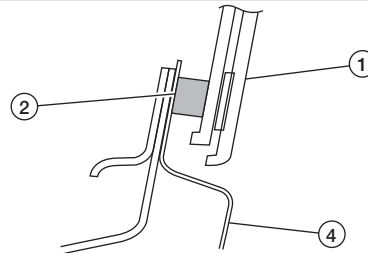
Without Power Sliding Glass



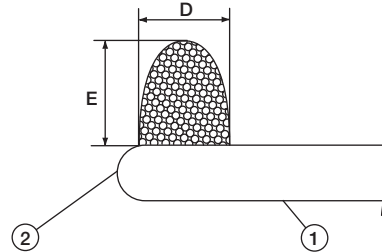
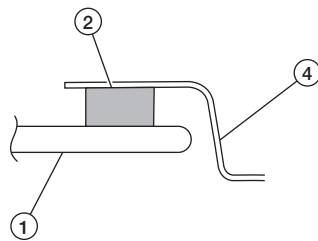
A-A



B-B



C-C



AAZIA0566ZZ

Crew cab shown, King Cab® and single cab locations are the same.

- 1. Rear window glass
- 2. Adhesive
- 3. Roof panel
- 4. Body side outer panel

- D. 7 mm +2, -0 mm (0.28 in +0.08, -0 in)

- E. 12 mm +2, -0mm (0.47 in +0.08, -0 in)

Removal

1. Disconnect the battery or batteries, then wait at least three minutes.

NOTE:

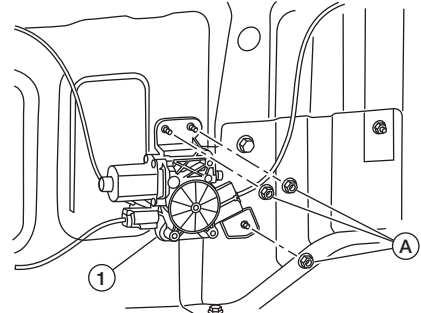
Ignition switch OFF. Wait at least 2 minutes before removing the 12V battery terminal to avoid setting any DTCs.

2. Remove rear panel.
3. Disconnect the harness connector from the side curtain air bag module.



CAUTION:

- For removing/installing side curtain air bag module harness connector, insert a thin screwdriver wrapped in tape into notch, lift the lock and remove harness connector as shown.
 - Install harness connector with lock raised, and push lock into harness connector as shown.
 - After installing harness connector, check that the lock is pushed in securely.
4. Partially lower the headlining (back edge).
 5. Disconnect the harness connectors from rear window defogger.
 6. Disconnect the harness connector from rear power slide glass motor (if equipped).
 7. Remove nuts (A) from slide glass regulator (1) (if equipped).



AAZIA0567ZZ

8. Disconnect clips retaining the slide glass regulator (if equipped).
9. Remove rear window glass using piano wire or power cutting tool.



WARNING:

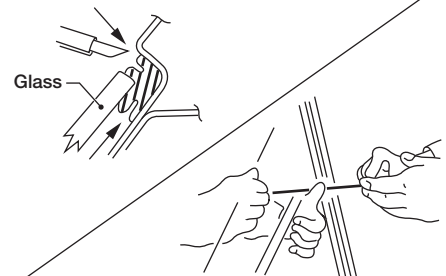
When cutting rear window glass from vehicle, always wear safety glasses and heavy gloves to prevent glass splinters from entering your eyes or cutting your hands.



CAUTION:

- Be careful not to scratch glass when removing.
- Do not set or stand glass on its edge. Small chips may develop into cracks.
- Apply protective tape around rear window glass to protect painted surface from damage.

Cutting Sealant



AAZIA0396GB

NOTE:

Mark body and glass with matching marks if rear window glass is to be reused.

Installation

Installation is in the reverse order of removal.

- Use genuine NISSAN Urethane Adhesive Kit (if available) or equivalent and follow the instructions furnished with it.



CAUTION:

There are 2 types of primer. Do not confuse during application.

- **Primer for plastic surfaces**
- **Primer for glass surfaces**
- Adhesive shall be continuously applied to assure watertightness. Glass installation shall be finished within five minutes after applying adhesive.
- While urethane adhesive is curing, open door window. This will prevent glass from being forced out by passenger compartment air pressure when door is closed.
- Start and finish urethane adhesive application at the bottom to assure watertightness.
- Inform customer that vehicle should remain stationary until urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.



WARNING:

- **Keep heat and open flames away as primers and adhesive are flammable.**
- **Materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.**
- **Use in an open, well ventilated location. Avoid breathing vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.**
- **Driving vehicle before urethane adhesive has completely cured may affect performance of the windshield in case of an accident.**



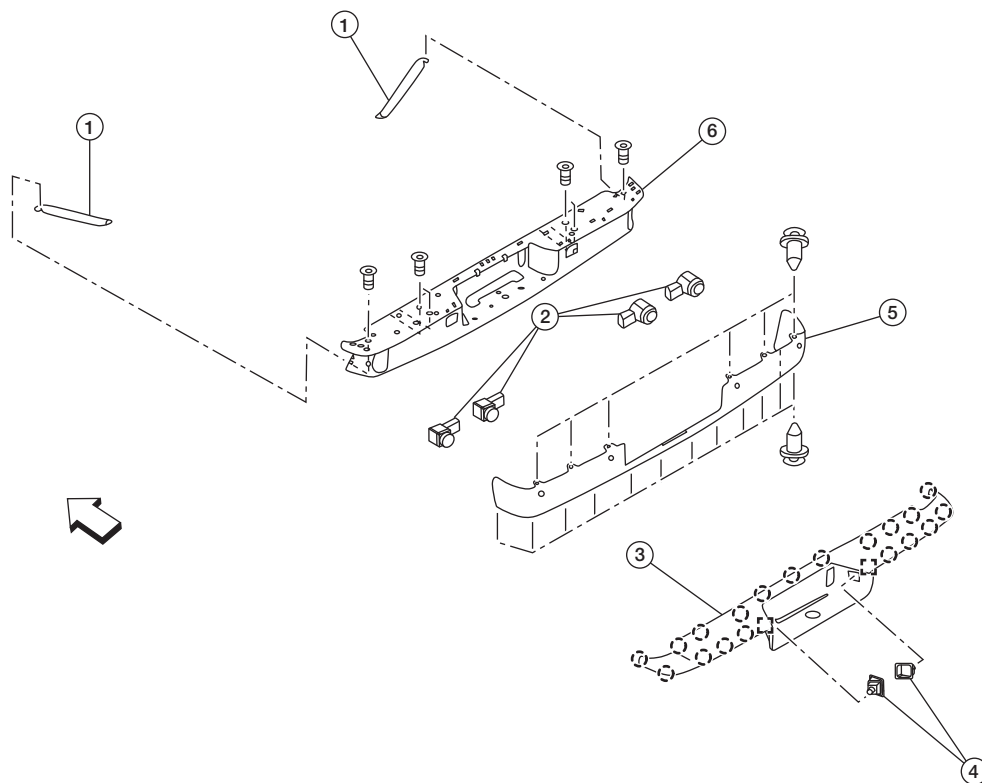
CAUTION:

- **Do not use adhesive which is past its usable term. Shelf life of this product is limited to six months after date of manufacture. Carefully adhere to expiration or manufacture date printed on box.**
- **Keep primers and adhesive in cool, dry place. Ideally, they should be stored in refrigerator.**
- **Do not leave primers or adhesive cartridge unattended with their caps open or off.**
- **Vehicle should not be driven for at least 24 hours or until urethane adhesive has completely cured. Curing time varies depending on temperature and humidity. Curing time will increase under lower temperatures and lower humidity.**

REAR BUMPER

Exploded View

With Trailer Hitch



 Metal clip

 Pawl

 Front

1. Bumper bracket (LH/RH)

2. Sonar sensor (if equipped)

3. Bumper finisher

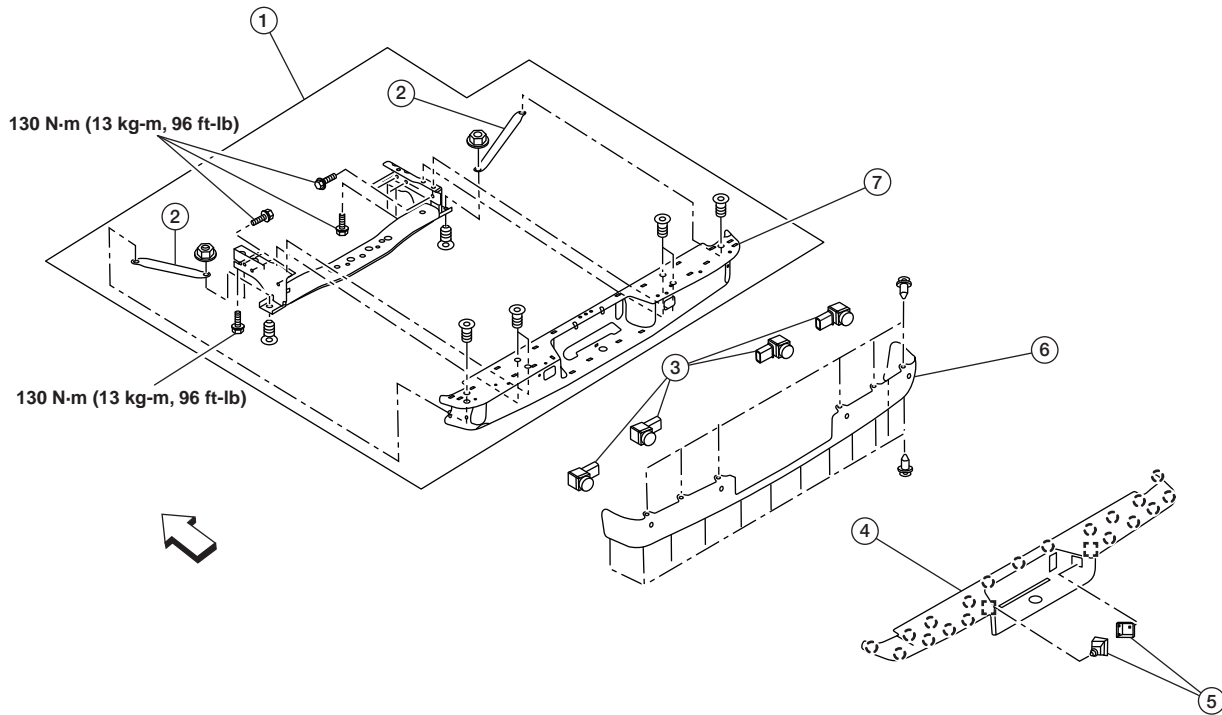
4. License plate lamp

5. Bumper fascia (if equipped)

6. Bumper

AAZIA0632ZZ

Without Trailer Hitch



AAZIA0631ZZ

 Metal clip

 Pawl

 Front

- 1. Bumper assembly
- 4. Bumper finisher
- 7. Bumper

- 2. Bumper bracket (LH/RH)
- 5. License plate lamp

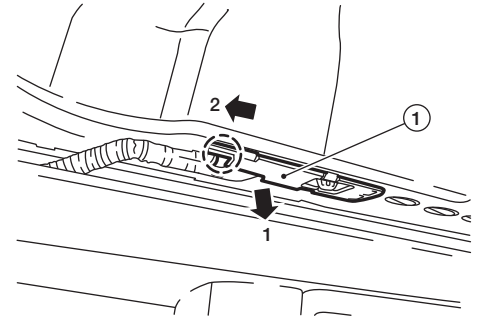
- 3. Sonar sensor (if equipped)
- 6. Bumper fascia (if equipped)

Removal and Installation

Rear Bumper

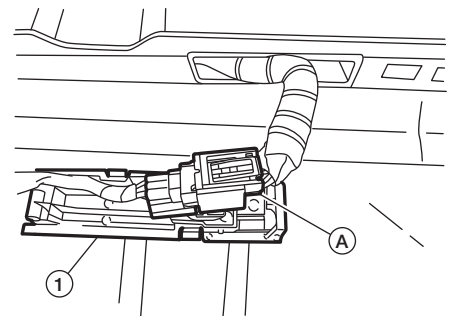
Removal

1. Lower tailgate to access rear camera harness connector bracket [1 (if equipped)]. Release pawl on bracket, then pull out rear camera harness as shown.



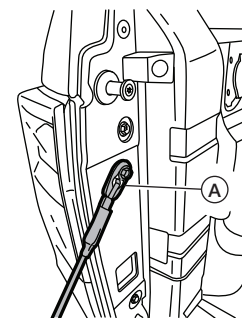
AAZIA0638ZZ

2. Disconnect rear view camera harness connector [A (if equipped)].



AAZIA0639ZZ

3. Release tailgate stay [A (LH/RH)].



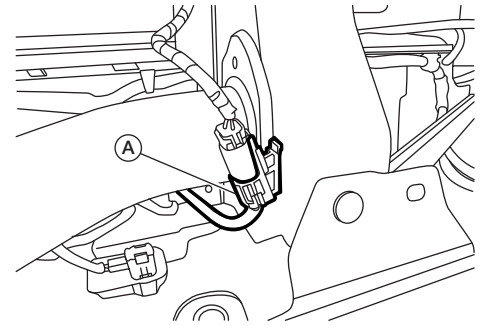
AAZIA0640ZZ

4. While holding tailgate at 45 degree angle, pull tailgate out from hinge [body side (LH)], then slide tailgate out of hinge [body side (RH)] and remove.
5. Disconnect the harness connector from the license plate lamp.
6. Using a suitable tool, release pawl and remove license plate lamp.
7. Remove trailer tow connector socket (if equipped).

- Disconnect license plate lamp connector (A) from chassis harness (LH) and separate from vehicle.

NOTE:

Trailer hitch shown. Bumper reinforcement similar.

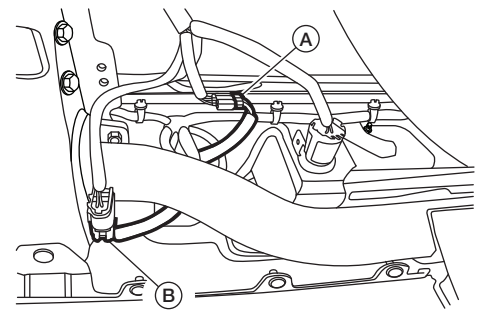


AAZIA0633ZZ

- Disconnect side radar harness connector (A) and rear sonar harness connector (B) from chassis harness (RH) and separate from vehicle (if equipped).

NOTE:

Trailer hitch shown. Bumper reinforcement similar.



AAZIA0634ZZ

- Release bumper finisher metal clips and pawls using suitable tool.
- Separate adhesive tape from behind bumper finisher ends and remove bumper finisher from vehicle.



CAUTION:

Do not reuse adhesive tape.

- Remove bolts, and remove bumper from vehicle.



CAUTION:

When removing bumper, two people are required.

- Disconnect harness connector from side radar units (LH/RH) [if necessary (if equipped)].
- Remove bumper fascia [if necessary (if equipped)].
- Separate wire harness from bumper and remove wire harness (if necessary).
- Remove side radar units and splash guards from bumper [if necessary (if equipped)].

Installation

Installation is in the reverse order of removal.



CAUTION:

Perform camera image calibration (if equipped with around view monitor).

Adjustment

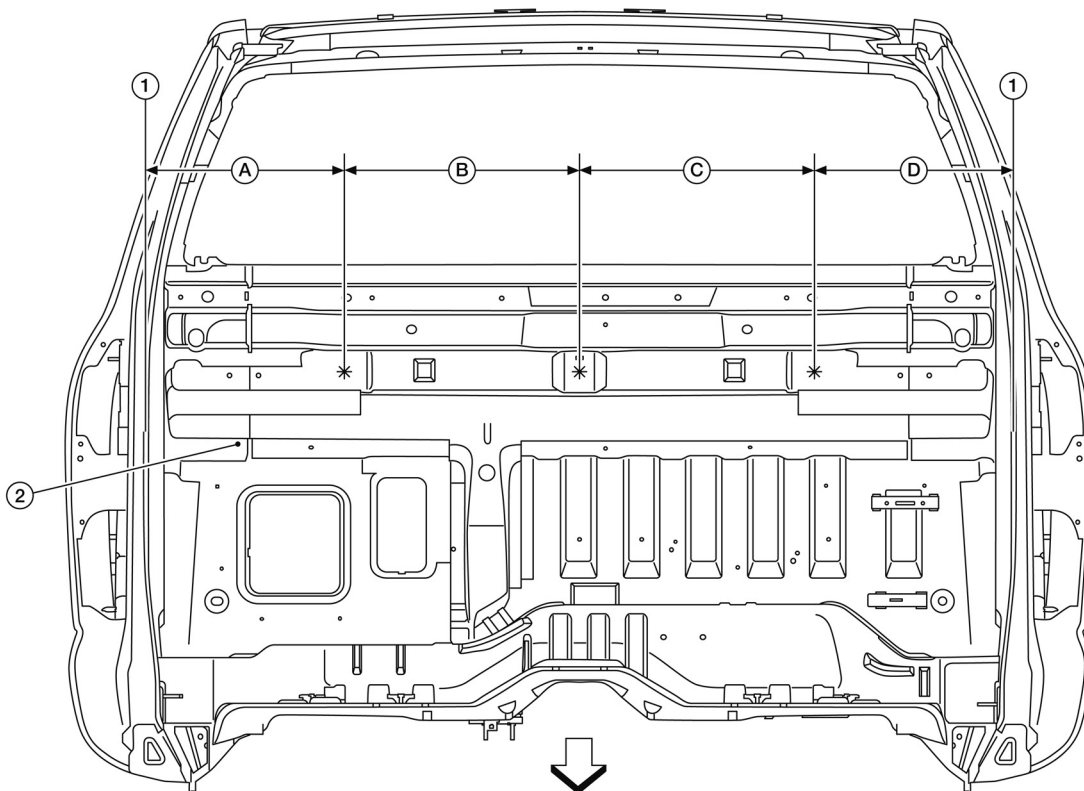
Check clearance and surface height between rear bumper and each part by visual inspection and tactile feel. If clearance and surface height are out of specification, adjust them.

CAB WELD NUT DIMENSIONS

King Cab® (Only With Seat Delete) (2017-2019 Model Years)

NOTE:

Weld nuts are only usable if the Utili-track™ channel system is removed or if it is a vehicle that does not have the Utili-track™ channel system. Not all weld nuts shown with Utili-track™ system may be present.



AAZIA0959ZZ

NOTE:

For weld nut load specs, refer to the appropriate Weights chart in the Resource Charts section of this manual:

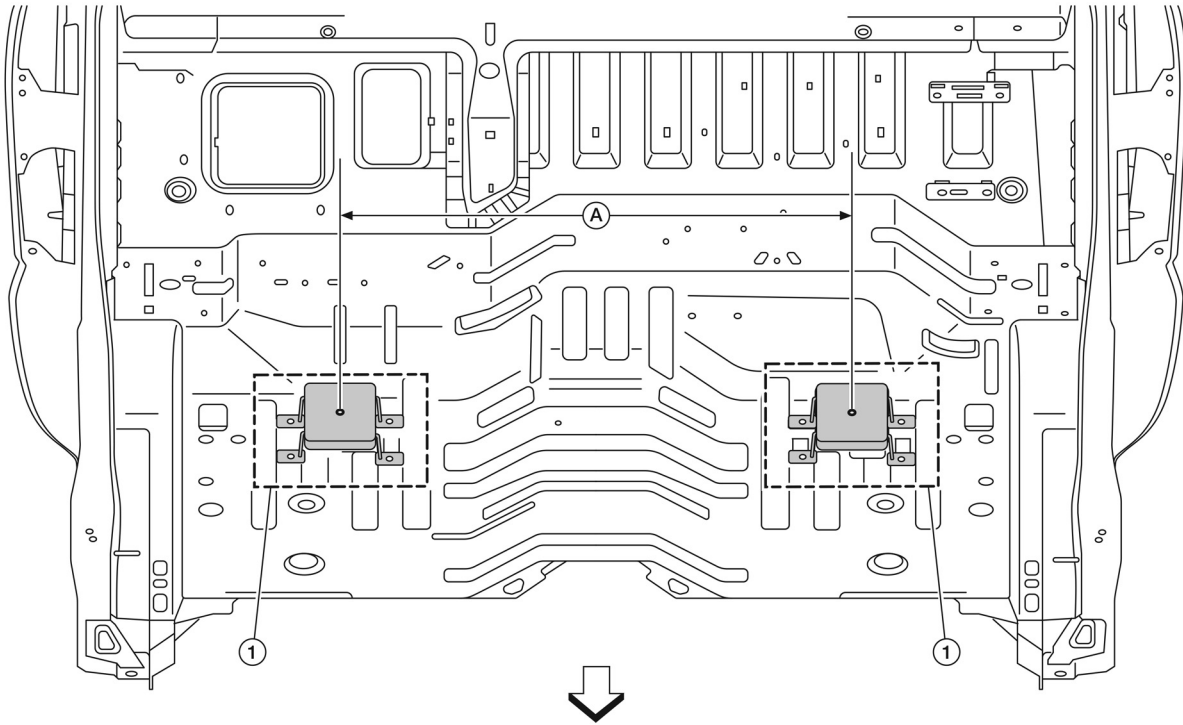
[RESOURCE CHARTS \(pg. 180\)](#)

←: Front of vehicle.

- 1. Edge of rear pillars
- B. 450 mm (17.72 in.)

- 2. Back panel
- C. 450 mm (17.72 in.)

- A. 351 mm (13.82 in.)
- D. 351 mm (13.82 in.)



AAZIA0961ZZ

NOTE:

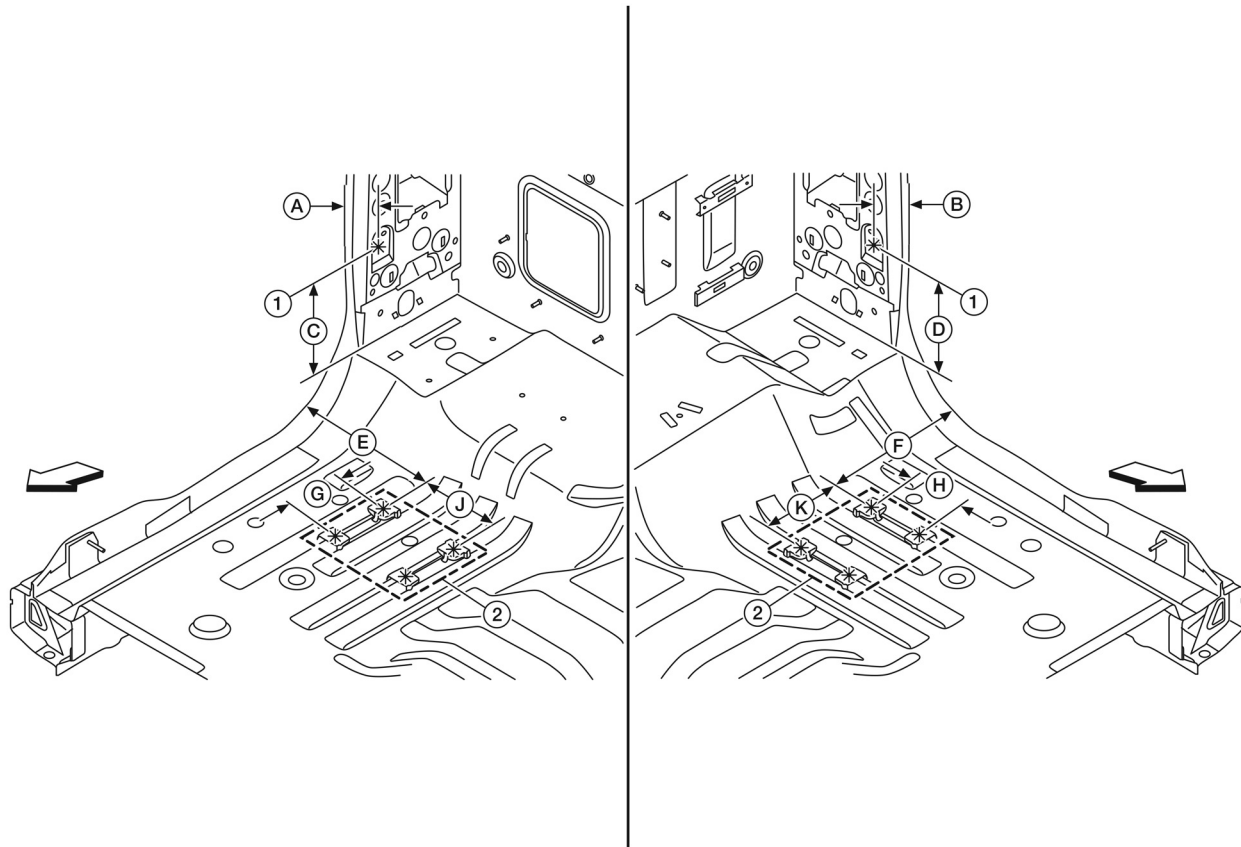
For weld nut load specs, refer to the appropriate Weights chart in the Resource Charts section of this manual:

[RESOURCE CHARTS \(pg. 180\)](#)

←: Front of vehicle.

1. Floor tie down bracket

A. 860 mm (33.86 in.)



AAZIA0958ZZ

NOTE:

For weld nut load specs, refer to the appropriate Weights chart in the Resource Charts section of this manual:

[RESOURCE CHARTS \(pg. 180\)](#)

↔: Front of vehicle.

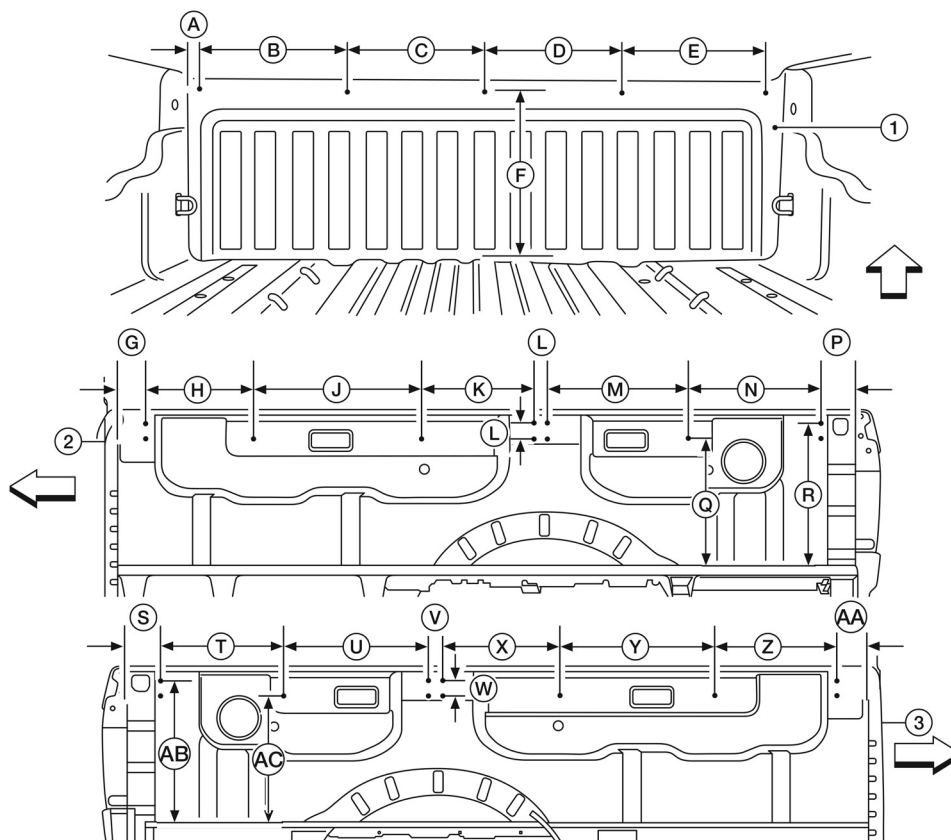
- | | | |
|-----------------------------------|--|-----------------------|
| 1. Rear pillar tie down weld nuts | 2. Floor tie down bracket mounting weld nuts | A. 57 mm (2.24 in.) |
| B. 71 mm (2.8 in.) | C. 202 mm (7.95 in.) | D. 202 mm (7.95 in.) |
| E. 297 mm (11.69 in.) | F. 297 mm (11.69 in.) | G. 1291 mm (5.08 in.) |
| H. 1291 mm (5.08 in.) | J. 170 mm (6.69 in.) | K. 170 mm (6.69 in.) |

BED WELD NUT DIMENSIONS

NOTE:

Weld nuts are only usable if the Utili-track™ channel system is removed or if it is a vehicle that does not have the Utili-track™ channel system. Not all weld nuts shown with Utili-track™ system may be present.

Single Cab (2017-2019 Model Years)



AAZIA0796ZZ

NOTE:

For weld nut load specs, refer to the appropriate Weights chart in the Resource Charts section of this manual:

[RESOURCE CHARTS \(pg. 180\)](#)

←: Front of vehicle.

1. Front Bed Panel

A. 46 mm (1.81 in.)

D. 374 mm (14.72 in.)

G. 102 mm (4.02 in.)

K. 406 mm (15.98 in.)

N. 448 mm (17.64 in.)

R. 450 mm (17.72 in.)

U. 450 mm (17.72 in.)

X. 406 mm (15.98 in.)

AA. 102 mm (4.02 in.)

2. RH Side Bed Panel

B. 390 mm (15.35 in.)

E. 390 mm (15.35 in.)

H. 354 mm (13.94 in.)

L. 48 mm (1.89 in.)

P. 75 mm (2.95 in.)

S. 75 mm (2.95 in.)

V. 48 mm (1.89 in.)

Y. 552 mm (21.73 in.)

AB. 450 mm (17.72 in.)

3. LH Side Bed Panel

C. 374 mm (14.72 in.)

F. 455 mm (17.91 in.)

J. 552 mm (21.73 in.)

M. 450 mm (17.72 in.)

Q. 470 mm (18.50 in.)

T. 448 mm (17.64 in.)

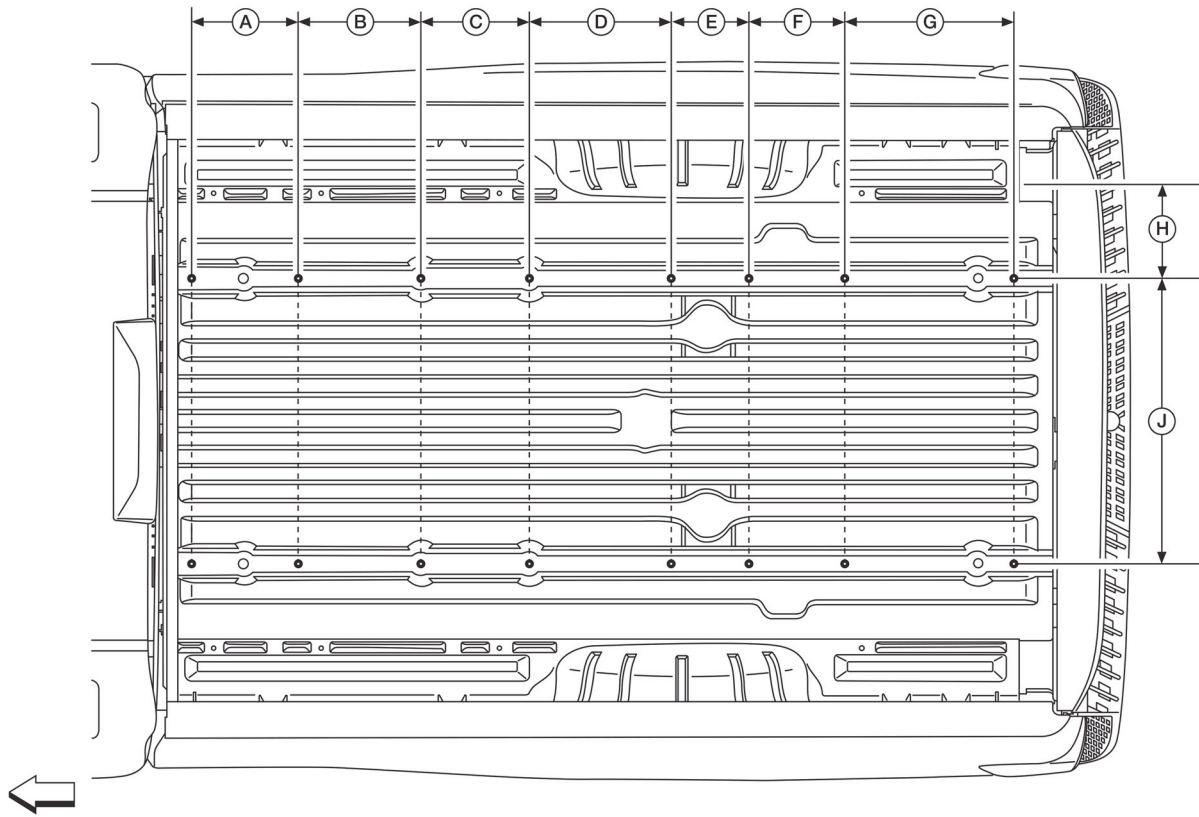
W. 48 mm (1.89 in.)

Z. 354 mm (13.94 in.)

AC. 470 mm (18.50 in.)

BED WELD NUT DIMENSIONS

[ADD ON EQUIPMENT]



AAZIA0797ZZ

←: Front of vehicle.

A. 300 mm (11.81 in)

B. 498 mm (19.61 in)

C. 532 mm (20.94 in)

D. 258 mm (10.16 in)

E. 242 mm (9.53 in)

F. 467 mm (18.39 in)

G. 124 mm (4.88 in)

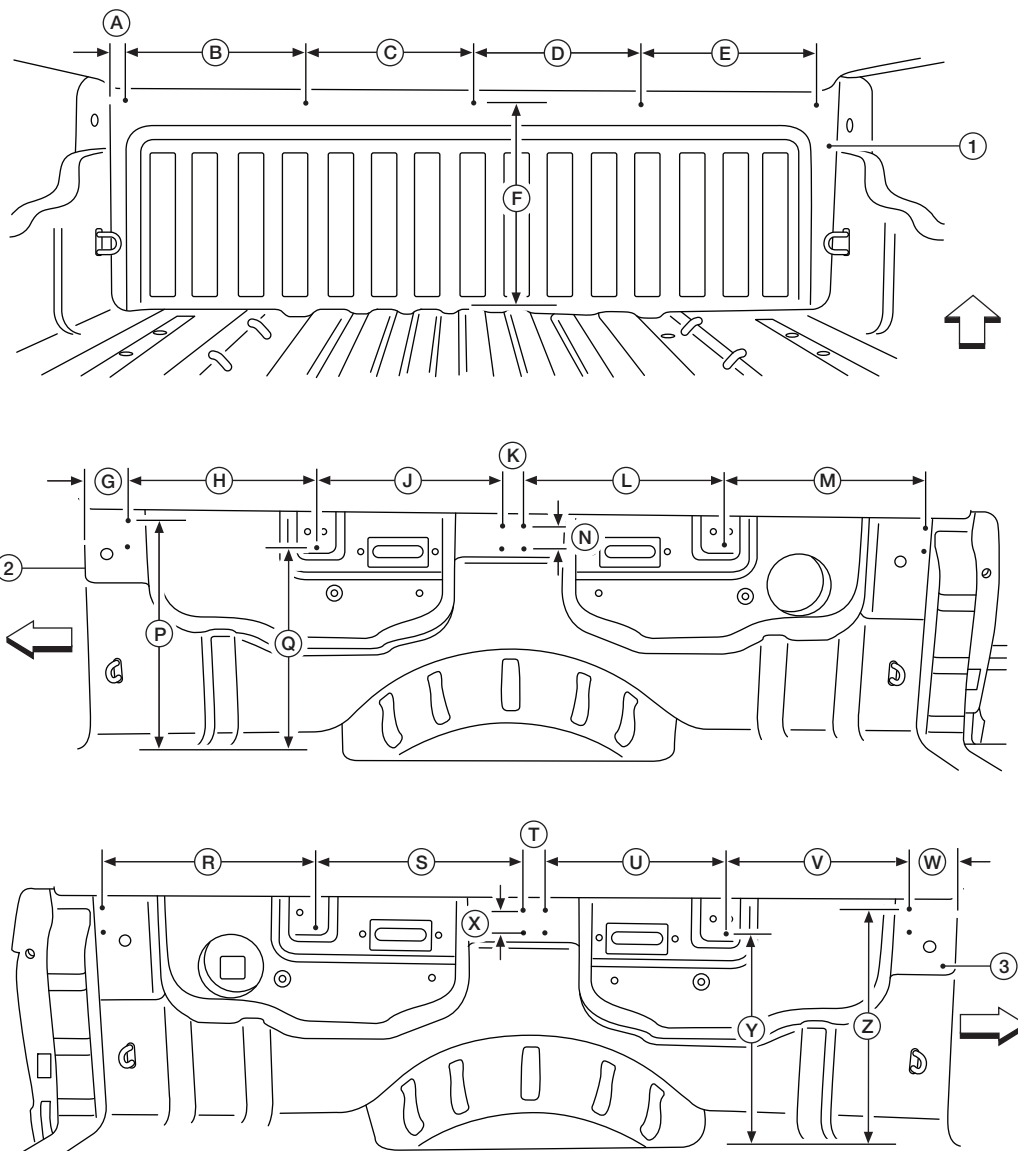
H. 222 mm (8.74 in)

J. 802 mm (31.57 in)

BED WELD NUT DIMENSIONS

[ADD ON EQUIPMENT]

Except Single Cab



AAZIA0679ZZ

NOTE:

For weld nut load specs, refer to the appropriate Weights chart in the Resource Charts section of this manual:

[RESOURCE CHARTS \(pg. 180\)](#)

↔: Front of vehicle.

1. Front Bed Panel

A. 46 mm (1.81 in.)

D. 374 mm (14.72 in.)

G. 98 mm (3.86 in.)

K. 48 mm (1.89 in.)

N. 48 mm (1.89 in.)

2. RH Side Bed Panel

B. 390 mm (15.35 in.)

E. 390 mm (15.35 in.)

H. 403 mm (15.87 in.)

L. 450 mm (17.72 in.)

P. 470 mm (18.50 in.)

3. LH Side Bed Panel

C. 374 mm (14.72 in.)

F. 455 mm (17.91 in.)

J. 403 mm (15.87 in.)

M. 450 mm (17.72 in.)

Q. 422 mm (16.61 in.)

BED WELD NUT DIMENSIONS

[ADD ON EQUIPMENT]

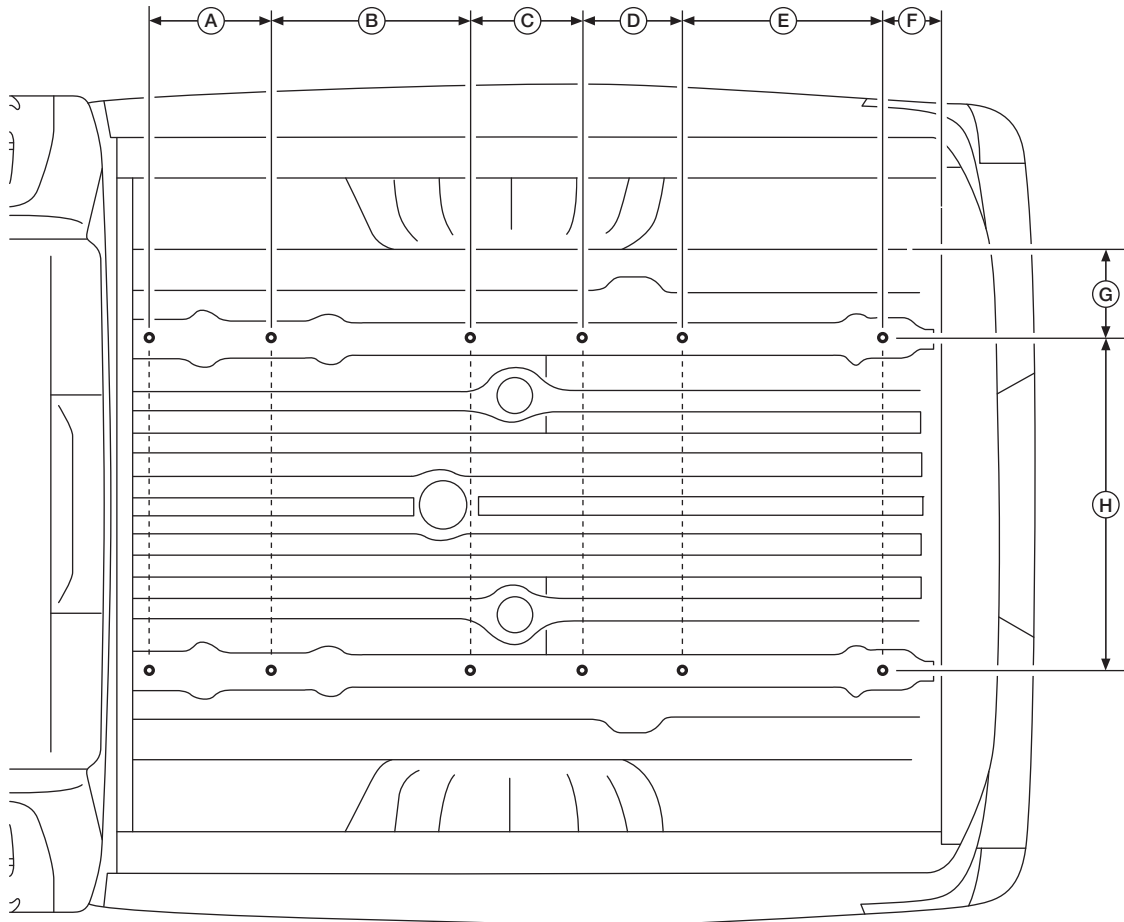
R. 450 mm (17.72 in.)
U. 403 mm (15.87 in.)
X. 48 mm (1.89 in.)

S. 450 mm (17.72 in.)
V. 403 mm (15.87 in.)
Y. 422 mm (16.61 in.)

T. 48 mm (1.89 in.)
W. 98 mm (3.86 in.)
Z. 470 mm (18.50 in.)

BED WELD NUT DIMENSIONS

[ADD ON EQUIPMENT]



AAZIA0539ZZ

A. 300 mm (11.81 in)
D. 240 mm (9.45 in)
G. 222 mm (8.74 in)

B. 532 mm (20.94 in)
E. 466 mm (18.35 in)
H. 802 mm (31.57 in)

C. 260 mm (10.24 in)
F. 126 mm (4.96 in)

CENTER HIGH MOUNT STOP LAMP**CAUTION:**

When adding an additional Center High Mount Stop Lamp (CHMSL) to a vehicle equipped with LED stop lamps, care must be taken to avoid exceeding stop lamp circuit capacity. Use only an LED lamp in an additional CHMSL, or an incandescent lamp not to exceed 10 watts. Exceeding the brake lamp circuit capacity may result in vehicle damage.

**CAUTION:**

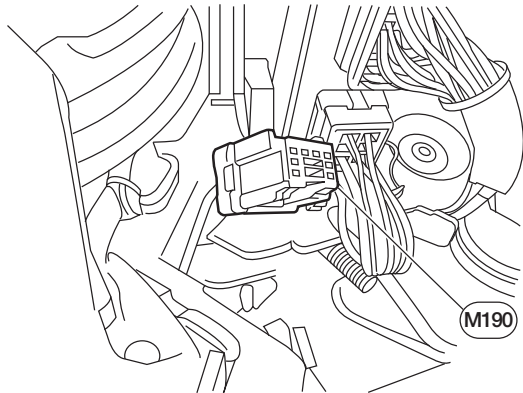
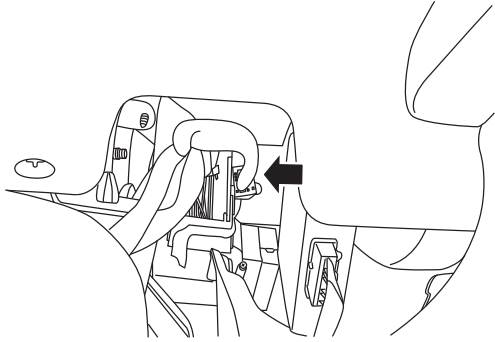
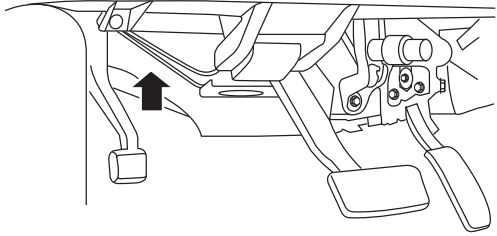
Unused wires in the jumper harness must be individually covered with electrical tape in order to prevent a possible short-circuit. Failure to do so may result in vehicle damage.

A 6-pin electric brake pre-wiring connector and a jumper harness is included from the factory.

The pre-wiring connector is located in the passenger compartment on the driver's side, taped back to the main harness behind the instrument panel above the parking brake pedal. Refer to the following illustration and wiring information.

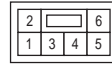
Terminal 2 on connector M190 can be used as a tap in point for the addition of a CHMSL.

ELECTRIC BRAKE PRE-WIRING



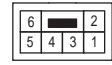
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Connector No.	M190
Connector Name	ELECTRIC BRAKE (PRE-WIRING)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name	Wire Gauge
1	Black	GND	14
2	Red/Green	STOP LAMPS	23
3	Brown/White	TRAILER BRAKE	14
4	Blue	ILLUMINATION	22
5	Red	B+	14

Connector No.	—
Connector Name	ELECTRIC BRAKE (PRE-WIRING) (JUMPER HARNESS SIDE)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	Black	GND
2	Red/Green	STOP LAMPS
3	Brown/White	TRAILER BRAKE
4	Red/Blue	ILLUMINATION (NOT USED)
5	Red	B+

HD FRONT GAWR PACKAGE

HD Front GAWR Maximum Weight Specifications Chart

VK56VD (5.6L) Gasoline Engine Vehicle			GVWR Kg (lbs)	FR GAWR Kg (lbs)	RR GAWR Kg (lbs)	MAX FR WEIGHT Kg (lbs)
Cab Style	Drive	Model Grade				
King Cab® (2018-2019 Model Years)	4WD	S	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	322 (709)
		SV (with 17 in wheels)	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	286 (630)
		SV (with 20 in wheels)	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	278 (612)

SNOWPLOW PREPARATION

HD Front GAWR Package

NOTE:

- Snowplow application requires the Heavy Duty GAWR Package and is only applicable on Titan XD, 4WD, Crew and Single Cab, S and SV grade vehicles equipped with VK56VD (5.6L) gasoline engine.
- Additional options will lessen the vehicle’s maximum cargo weight capacity.

Maximum Vehicle Loading Requirements



CAUTION:

To avoid damage and possible failure of braking or suspension system components, do not exceed the vehicle’s maximum weight rating specifications when adding any aftermarket snowplow equipment. Refer to [Snowplow Maximum Weight Limit Specifications Chart. \(pg. 562\)](#)

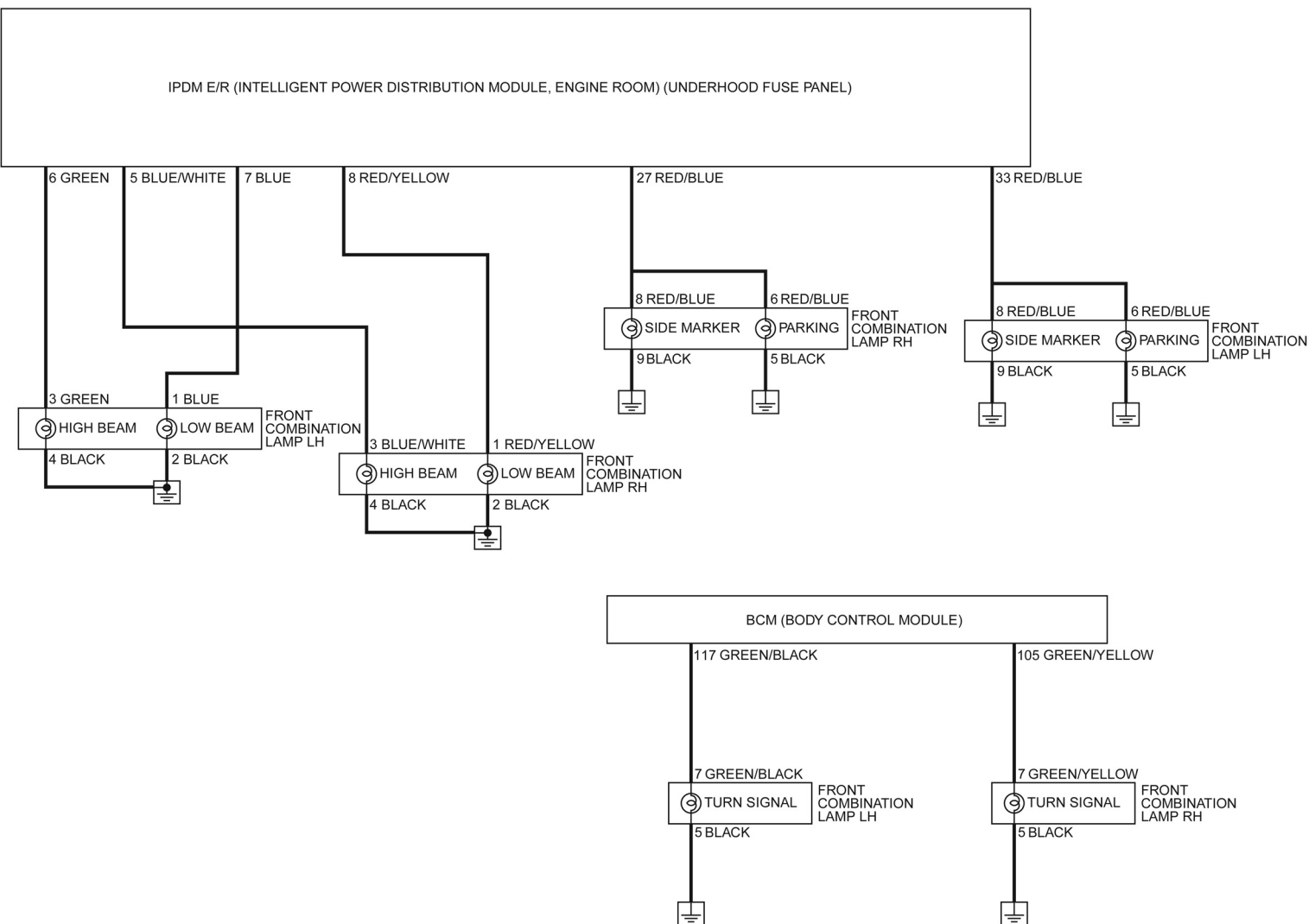
The following load requirements apply:

- Do not exceed vehicle’s recommended maximum weight specifications. Refer to [Snowplow Maximum Weight Limit Specifications Chart. \(pg. 562\)](#)
- The vehicle must comply with FMVSS/CMVSS 105 Brake Compliance Guidelines after any aftermarket equipment is installed or vehicle modification is made.
 - The empty truck with all permanently attached accessories and snowplow components must not exceed 62% of its total weight on the front axle to comply with FMVSS/CMVSS 105.
 - If the front axle loading exceeds either 62% of the empty truck weight or the front GAWR limit, ballast compensating weight must be securely attached at the rear of the vehicle to bring front axle weight within limitations listed in these guidelines.
 - If ballast compensating weight is required, placement of ballast should be secured between rear axle and tailgate.

Snowplow Maximum Weights Specifications Chart

VK56VD (5.6L) Gasoline Engine Vehicle			GVWR Kg (lbs)	FR GAWR Kg (lbs)	RR GAWR Kg (lbs)	MAX PLOW AND HARDWARE WEIGHT Kg (lbs)
Cab Style	Drive	Model Grade				
Crew Cab	4WD	S	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	357 (786)
		SV (with 17 in wheels)	3,969 (8,750)	2,223 (4,900)	2,223 (4,900)	319 (702)
		SV (with 20 in wheels)	3,969 (8,750)	2,223 (4,900)	2,223 (4,900)	311 (685)
Single Cab (2018-2019 Model Years)	4WD	S	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	322 (709)
		SV (with 17 in wheels)	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	286 (630)
		SV (with 20 in wheels)	3,992 (8,800)	2,223 (4,900)	2,223 (4,900)	278 (612)

Front Lamp Circuit Diagram



TCAAZIA0006GB

SPECIFICATIONS

RECOMMENDED FLUIDS AND LUBRICANTS (DIESEL)

NOTE:

Refer to Service Manual for detailed service procedures.

2016-2019 Model Years

Fluid Types		Capacity (Approximate)			Recommended Fluids/ Lubricants
		Metric	US measure	Imperial measure	
Fuel		98.4 liters	26 gallons	21 ⁵ / ₈ gallons	42 cetane rating above 0°C (32°F), 45 cetane rating below 0°C (32°F) *1
Diesel exhaust fluid (DEF) (2016-2018 Model Years)		17.65 liters	4 ⁵ / ₈ gallons	3 ⁷ / ₈ gallons	Genuine NISSAN diesel exhaust fluid (DEF) ISO 22241
Diesel exhaust fluid (DEF) (2019 Model Year)		24.5 liters	6 ¹ / ₂ gallons	5 ³ / ₈ gallons	Genuine NISSAN diesel exhaust fluid (DEF) ISO 22241
Engine oil Drain and refill	With oil filter change	9.5 liters	10 quarts	8 ³ / ₈ quarts	Engine oil with API Certification Mark, Viscosity SAE 10W-30 (CES 20081) and American Petroleum Institute (API) certification (API CJ-4, Low Ash Oil). Diesel engine oil Specification (Cold Climate) - 5W-40 oil that meets API Certification Mark (CES 20081) and American Petroleum Institute (API) certification (API CJ-4, Low Ash Oil) is acceptable for colder climates. *2 Gasoline engine oil and diesel engine oil are not equal.
	Without oil filter change	9.1 liters	9 ⁵ / ₈ quarts	8 quarts	
Cooling system	(With reservoir at MAX level)	16.5 liters	4 ³ / ₈ gallons	3 ⁵ / ₈ gallons	Pre-diluted Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent. *3 Coolant must be nitrite free. The use of other types of coolant solutions other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent may cause severe engine damage.

RECOMMENDED FLUIDS AND LUBRICANTS (DIESEL)

[SPECIFICATIONS]

Fluid Types	Capacity (Approximate)			Recommended Fluids/ Lubricants
	Metric	US measure	Imperial measure	
Automatic transmission fluid (ATF)	14.0 liters	14 ³ / ₄ quarts	12 ³ / ₈ quarts	Genuine NISSAN Matic K ATF *4
Front differential gear oil	1.51 liters	3 ¹ / ₄ pints	2 ⁵ / ₈ pints	Genuine NISSAN Differential Oil Hypoid Super-CT Synthetic GL-5 75W-90. The use of differential gear oil other than specified may cause vehicle malfunctions and result in non-warranty vehicle repairs. *5
Rear differential gear oil	2.6 liters	5 ¹ / ₂ pints	4 ⁵ / ₈ pints	
Power steering fluid (PSF)	1.71 liter	1 ⁷ / ₈ quarts	1 ¹ / ₂ quart	Genuine NISSAN PSF II or equivalent *6
Transfer fluid	1.8 liters	3 ⁷ / ₈ pints	3 ¹ / ₈ pints	Genuine NISSAN ATF D3M *7
Brake fluid	—	—	—	Genuine NISSAN Super Heavy Duty Brake Fluid *7 or equivalent, DOT 3 (US FMVSS No. 116)
Multi-purpose grease	—	—	—	NLGI No.2 (lithium soap base)
Windshield washer fluid	4.5 liters	1 ¹ / ₄ gallons	1 gallon	Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze fluid or equivalent
Air conditioning system refrigerant (2016–2018 Model years)	0.80 kg (± 0.05 kg)	1.76 pounds (± 0.11 lb.)	1.76 pounds (± 0.11 lb.)	HFC-134a (R-134a) *8
Air conditioning system refrigerant (2019 Model year)	0.825 kg (± 0.025 kg)	1.82 pounds (± 0.055 lb.)	1.82 pounds (± 0.055 lb.)	HFO-1234yf (R-1234yf) *8
Air conditioning system oil (2016–2018 Model years)	220 milliliters	7.44 fluid ounces	7.74 fluid ounces	A/C System Oil Type S (DH-PS) *8
Air conditioning system oil (2019 Model year)	150 milliliters	5.1 fluid ounces	5.3 fluid ounces	VC100yf or equivalent *8

***1:** For additional information, refer to [Fuel \(Recommended\)](#) (pg. 566).

***2:** For additional information, refer to [Engine Oil Recommendation](#) (pg. 566).

***3:** For additional information, refer to [Engine Coolant Recommendation](#) (pg. 566).

***4:** Using automatic transmission fluid other than Genuine NISSAN Matic K or equivalent ATF may cause deterioration in driveability and automatic transmission durability, and may damage the automatic transmission, which is not covered by the Nissan new vehicle limited warranty.

***5:** It is recommended to see a NISSAN dealer for service for synthetic oil.

***6: For 2016 Model Year only:** DEXRON™ VI type ATF may also be used.

***7:** Available in mainland U.S.A. through a NISSAN dealer.

***8:** For additional information, see "Air conditioner specification label" on the underside of the hood.

Fuel (Recommended)

Diesel fuel of above 42 cetane minimum above 0°C (32°F); 45 cetane minimum below 0°C (32°F) and with less than 15 ppm of sulfur must be used.

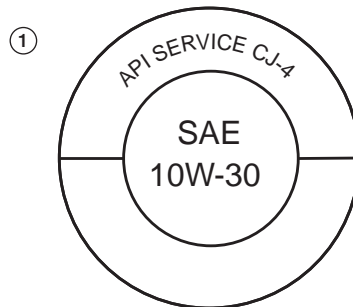


CAUTION:

- **Do not use home heating oil, petroleum, biodiesel or other alternate fuels in your diesel engine. The use of those can cause engine damage.**
- **Do not use summer fuel at temperatures below -7°C (20°F). The cold temperatures will cause wax to form in the fuel. As a result, it may prevent the engine from running smoothly.**

Engine Oil Recommendation

Nissan recommends the use of an energy conserving oil in order to improve fuel economy. Select only engine oils that meet the Cummins® Engineering Standard (CES) classification (CES 20081) and American Petroleum Institute (API) certification (API CJ-4, Low Ash Oil) and SAE viscosity standard (10W-30 or 5W-40). These oils have the API certification mark and CES 20081 on the container. Oils which do not have the specified information on the label should not be used as they could cause engine damage.



1. API service symbol

AAZIA0592ZZ

Engine Coolant Recommendation

The engine cooling system is filled at the factory with a pre-diluted mixture of 50% Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free and 50% water to provide year round antifreeze and coolant protection. The antifreeze solution contains rust and corrosion inhibitors. Additional cooling system additives are not necessary.



WARNING:

- **Never remove the radiator or coolant reservoir cap when the engine is hot. Wait until the engine and radiator cool down. Serious burns could be caused by high pressure fluid escaping from the radiator.**
- **The radiator is equipped with a pressure type radiator cap. To prevent engine damage, use only a Genuine NISSAN radiator cap.**

**CAUTION:**

- When adding or replacing coolant, be sure to use only Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free or equivalent. Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free is pre-diluted to provide antifreeze protection to -34°F (-37°C). If additional freeze protection is needed due to weather where the vehicle is operated, add Genuine NISSAN long life Antifreeze/Coolant (blue) nitrite free concentrate following the directions on the container. If an equivalent coolant other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free is used, follow the coolant manufacturer's instructions to maintain minimum antifreeze protection to -34°F (-37°C). The use of other types of coolant solutions other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free or equivalent may damage the engine cooling system.
- Mixing any other type of coolant other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) nitrite free, including Genuine NISSAN Long Life Antifreeze/Coolant (green), or the use of non-distilled water will reduce the life expectancy of the factory filled coolant.

RECOMMENDED FLUIDS AND LUBRICANTS (GASOLINE)

[SPECIFICATIONS]

RECOMMENDED FLUIDS AND LUBRICANTS (GASOLINE)

NOTE:

Refer to Service Manual for detailed service procedures.

2017–2019 Model Years

Fluid Type		Capacity (Approximate)			Recommended Fluids/ Lubricants
		Metric	US measure	Imperial measure	
Fuel		98.4 liters	26 gallons	21 ⁵ / ₈ gallons	Unleaded gasoline with an octane rating of at least 87 AKI (RON 91) * 1
Engine oil Drain and refill	With oil filter change	6.5 liters	6 ⁷ / ₈ quarts	5 ³ / ₄ quarts	Genuine NISSAN engine oil or equivalent Engine oil with API Certification Mark * 2 Viscosity SAE 0W-20 * 3
	Without oil filter change	6.2 liters	6 ¹ / ₂ quarts	5 ¹ / ₂ quarts	
Engine coolant	(With reservoir at MAX level)	14.8 liters	3 ⁷ / ₈ gallons	3 ¹ / ₄ gallons	Pre-diluted Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent * 4
Automatic transmission fluid (ATF)		10.0 liters	10 ⁵ / ₈ quarts	8 ³ / ₄ quarts	Genuine NISSAN Matic S ATF * 5
Front differential gear oil		1.51 liters	3 ¹ / ₄ pints	2 ⁵ / ₈ pints	Genuine NISSAN Differential Oil Hypoid Super—CT Synthetic GL-5 75W-90 * 6
Rear differential gear oil		2.6 liters	5 ¹ / ₂ pints	4 ⁵ / ₈ pints	
Transfer fluid		1.8 liters	3 ⁷ / ₈ pints	3 ¹ / ₈ pints	Genuine NISSAN ATF D3M * 7
Power steering fluid (PSF)		1.71 liter	1 ⁷ / ₈ quarts	1 ¹ / ₂ quart	Genuine NISSAN PSF II or equivalent
Brake fluid		—	—	—	Genuine NISSAN Super Heavy Duty Brake Fluid * 8 or equivalent, DOT 3 (US FMVSS No. 116)
Multi-purpose grease		—	—	—	NLGI No.2 (lithium soap base)
Windshield washer fluid		4.5 liters	1 ¹ / ₄ gallons	1 gallon	Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze or equivalent
Air conditioning system refrigerant (2016–2018 Model years)		0.80 kg (± 0.05 kg)	1.76 pounds (± 0.11 lb.)	1.76 pounds (± 0.11 lb.)	HFC-134a (R-134a) * 9
Air conditioning system refrigerant (2019 Model year)		0.825 kg (± 0.025 kg)	1.82 pounds (± 0.055 lb.)	1.82 pounds (± 0.055 lb.)	HFO-1234yf (R-1234yf) * 9
Air conditioning system oil (2016–2018 Model years)		220 milliliters	7.44 fluid ounces	7.74 fluid ounces	A/C System Oil Type S (DH-PS) * 9

RECOMMENDED FLUIDS AND LUBRICANTS (GASOLINE)

[SPECIFICATIONS]

Fluid Type	Capacity (Approximate)			Recommended Fluids/ Lubricants
	Metric	US measure	Imperial measure	
Air conditioning system oil (2019 Model year)	150 milliliters	5.1 fluid ounces	5.3 fluid ounces	VC100yf or equivalent *9

***1:** For additional information, refer to [Precaution for Fuel \(pg. 571\)](#).

***2:** For additional information, refer to [Engine Oil Recommendation \(pg. 571\)](#).

***3:** As an alternative to this recommended oil, SAE 5W-30 conventional petroleum oils may be used and meet all specifications and requirements necessary to maintain the New Vehicle Limited Warranty.

***4:** For additional information, refer to [Engine Coolant Recommendation \(pg. 571\)](#).

***5: Using automatic transmission fluid other than Genuine NISSAN Matic S ATF or equivalent may cause deterioration in driveability and automatic transmission durability, and may damage the automatic transmission, which is not covered by the NISSAN New Vehicle Limited Warranty.**

***6:** The use of differential gear oil other than the specified may cause vehicle malfunctions and result in non-warranty vehicle repairs. See a NISSAN dealer for service for synthetic oil.

***7:** Using fluid other than Genuine NISSAN ATF D3M may cause deterioration in driveability and transfer durability, and may damage the transfer case, which is not covered by the NISSAN New Vehicle Limited Warranty.

***8:** Available in mainland U.S.A. through a NISSAN dealer.

***9:** For additional information, see "Air conditioner specification label" on the underside of the hood.

Starting with 2020 model year

Fluid Type		Capacity (Approximate)			Recommended Fluids/ Lubricants
		Metric	US measure	Imperial measure	
Fuel		98.4 liters	26 gallons	21 ⁵ / ₈ gallons	Unleaded gasoline with an octane rating of at least 87 AKI (RON 91) *1
Engine oil Drain and refill	With oil filter change	6.5 liters	6 ⁷ / ₈ quarts	5 ³ / ₄ quarts	Genuine "NISSAN Motor Oil 0W-20 SN" (or equivalent) is recommended. Engine oil with API Certification Mark *2 Viscosity SAE 0W-20 *3
	Without oil filter change	6.2 liters	6 ¹ / ₂ quarts	5 ¹ / ₂ quarts	
Engine coolant	(With reservoir at MAX level)	13.2 liters	3 ¹ / ₂ gallons	2 ⁷ / ₈ gallons	Pre-diluted Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent *4
Automatic transmission fluid (ATF)		10.0 liters	10 5/8 quarts	8 3/4 quarts	Genuine NISSAN Matic P ATF or equivalent *5
Front differential gear oil		1.51 liters	3 ¹ / ₄ pints	2 ⁵ / ₈ pints	Genuine NISSAN Differential Oil Synthetic GL-5 75W-85 *6
Rear differential gear oil		2.6 liters	5 ¹ / ₂ pints	4 ⁵ / ₈ pints	

RECOMMENDED FLUIDS AND LUBRICANTS (GASOLINE)

[SPECIFICATIONS]

Fluid Type	Capacity (Approximate)			Recommended Fluids/ Lubricants
	Metric	US measure	Imperial measure	
Transfer fluid	1.8 liters	1 $\frac{7}{8}$ quarts	1 $\frac{5}{8}$ quarts	Genuine NISSAN ATF D3M or equivalent *7
Power steering fluid (PSF)	1.71 liters	3 $\frac{1}{2}$ pints	3 pints	Genuine NISSAN PSF II or equivalent
Brake fluid	—	—	—	Genuine NISSAN Super Heavy Duty Brake Fluid *8 or equivalent, DOT 3 (US FMVSS No. 116)
Multi-purpose grease	—	—	—	NLGI No.2 (lithium soap base)
Windshield washer fluid	4.5 liters	1 $\frac{1}{4}$ gallons	1 gallon	Genuine NISSAN Windshield Washer Concentrate Cleaner & Antifreeze or equivalent
Air conditioning system refrigerant	0.825 kg (± 0.025 kg)	1.82 pounds (± 0.055 lb.)	1.82 pounds (± 0.055 lb.)	HFO-1234yf (R-1234yf) *9
Air conditioning system oil	150 milliliters	5.1 fluid ounces	5.3 fluid ounces	Genuine NISSAN A/C System Oil Type PAG (VC100yf oil) or equivalent. *9

*1: For additional information, refer to [Precaution for Fuel \(pg. 571\)](#).

*2: For additional information, refer to [Engine Oil Recommendation \(pg. 571\)](#).

*3: If the above motor oil (or engine oil) is not available, a synthetic 0W-20 GF-5 SN motor oil (or engine oil) may be used. Damage caused by the use of motor oil (engine oil) other than as recommended is not covered under NISSAN's New Vehicle Limited Warranty.

*4: For additional information, refer to [Engine Coolant Recommendation \(pg. 571\)](#).

***5: NISSAN recommends using Genuine NISSAN Matic P ATF (or equivalent) ONLY in NISSAN automatic transmissions. Do not mix with other fluids. Using fluids that are not equivalent to Genuine NISSAN Matic P ATF may damage the automatic transmission. Damage caused by the use of fluids other than as recommended is not covered under the NISSAN's New Vehicle Limited Warranty.**

*6: NISSAN recommends using Genuine NISSAN Differential Oil Synthetic GL-5 75W-85 ONLY in final drive. Do not mix with other fluids. Using fluids that are not equivalent to Genuine NISSAN Differential Oil Synthetic GL-5 75W-85 may damage the differential gear. Damage caused by the use of fluids other than as recommended is not covered under the NISSAN's New Vehicle Limited Warranty.

*7: Using fluid other than Genuine NISSAN ATF D3M (or equivalent) may cause deterioration in driveability and transfer durability, and may damage the transfer. Damage caused by fluids other than as recommended is not covered by the NISSAN New Vehicle Limited Warranty.

*8: Available in mainland U.S.A. through a NISSAN dealer.

*9: For additional information, see "Air conditioner specification label" on the underside of the hood.

Precaution for Fuel (Unleaded Regular Gasoline Recommended)

Use unleaded regular gasoline with an octane rating of at least 87 AKI (Anti-Knock Index) number (Research octane number 91).



CAUTION:

Do not use leaded gasoline. Using leaded gasoline will damage the three-way catalyst. Do not use E-85 fuel (85% fuel ethanol, 15% unleaded gasoline) unless the vehicle is specifically designed for E-85 fuel (i.e., Flexible Fuel Vehicle – FFV Models). Using a fuel other than that specified could adversely affect the emission control devices and systems, and could also affect the warranty coverage validity.

Engine Oil Recommendation

Nissan recommends the use of a resource conserving oil in order to improve fuel economy. Select only engine oils that meet the American Petroleum Institute (API) certification and International Lubricant Standardization and Approval Committee (ILSAC) certification and SAE viscosity standard. These oils have the API certification mark on the front of the container. Oils which do not have the specified quality label should not be used as they could cause engine damage.

①



②



AAZIA0625ZZ

1. API certification mark

2. API service symbol

Engine Coolant Recommendation

The engine cooling system is filled at the factory with a pre-diluted mixture of 50% Genuine NISSAN Long Life Antifreeze/Coolant (blue) and 50% water to provide year round antifreeze and coolant protection. The antifreeze solution contains rust and corrosion inhibitors. Additional cooling system additives are not necessary.



WARNING:

- **Never remove the radiator or coolant reservoir cap when the engine is hot. Wait until the engine and radiator cool down. Serious burns could be caused by high pressure fluid escaping from the radiator.**
- **The radiator is equipped with a pressure type radiator cap. To prevent engine damage, use only a Genuine NISSAN radiator cap.**

**CAUTION:**

- When adding or replacing coolant, be sure to use only Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent. Genuine NISSAN Long Life Antifreeze/Coolant (blue) is pre-diluted to provide antifreeze protection to -34° F (-37° C). If additional freeze protection is needed due to weather where the vehicle is operated, add Genuine NISSAN long life Antifreeze/Coolant (blue) concentrate following the directions on the container. If an equivalent coolant other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) is used, follow the coolant manufacturer's instructions to maintain minimum antifreeze protection to -34° F (-37° C). The use of other types of coolant solutions other than Genuine NISSAN Long Life Antifreeze/Coolant (blue) or equivalent may damage the engine cooling system.
- Mixing any other type of coolant other than Genuine NISSAN Long Life Antifreeze/Coolant (blue), including Genuine NISSAN Long Life Antifreeze/Coolant (green), or the use of non-distilled water will reduce the life expectancy of the factory filled coolant.

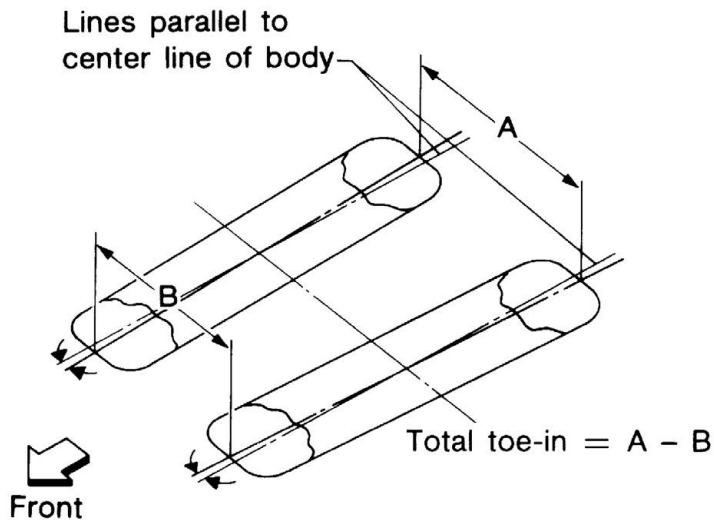
SUSPENSION

General Specification (Front)

Suspension type	Independent double wishbone coil over shock
Shock absorber type	Double-acting hydraulic
Stabilizer	Standard equipment

Wheel Alignment With Standard Suspension (Unladen*1)

Tire		LT245/75R17	LT275/65R18	LT265/60R20
Camber LH Degree minute (decimal degree)	Minimum	-0° 54' 36" (-0.91°)		
	Nominal	-0° 04' 48" (-0.08°)		
	Maximum	0° 45' 00" (0.75°)		
Camber RH Degree minute (decimal degree)	Minimum	-1° 05' 24" (-1.09°)		
	Nominal	-0° 15' 36" (-0.26°)		
	Maximum	0° 34' 12" (0.57°)		
Cross camber Degree minute (decimal degree)	Minimum	-0° 34' 12" (-0.57°)		
	Nominal	0° 10' 48" (0.18°)		
	Maximum	0° 55' 48" (0.93°)		
Caster LH Degree minute (decimal degree)	Minimum	3° 58' 48" (3.98°)		
	Nominal	4° 54' 00" (4.90°)		
	Maximum	5° 49' 12" (5.82°)		
Caster RH Degree minute (decimal degree)	Minimum	4° 16' 48" (4.28°)		
	Nominal	5° 12' 00" (5.20°)		
	Maximum	6° 07' 12" (6.12°)		
Cross caster Degree minute (decimal degree)	Minimum	-1° 03' 00" (-1.05°)		
	Nominal	-0° 18' 00" (-0.30°)		
	Maximum	0° 27' 00" (0.45°)		
Kingpin inclination (reference only) Degree minute (decimal degree)		9° 00' 00" (9.00°)		



SUSPENSION

[SPECIFICATIONS]

Tire			LT245/75R17	LT275/65R18	LT265/60R20	
Total toe-in	Total toe-in Distance (A - B)	Minimum	In 1.4 mm (In 0.06 in)	In 1.4 mm (In 0.06 in)	In 1.4 mm (In 0.06 in)	
		Nominal	In 4.2 mm (In 0.16 in)	In 4.3 mm (In 0.17 in)	In 4.4 mm (In 0.17 in)	
		Maximum	In 7.0 mm (In 0.27 in)	In 7.1 mm (In 0.28 in)	In 7.3 mm (In 0.29 in)	
	Total toe-in Angle Degree minute (decimal degree)	Minimum	In 0° 06' 00" (In 0.10°)			
		Nominal	In 0° 18' 00" (In 0.30°)			
		Maximum	In 0° 30' 00" (In 0.50°)			

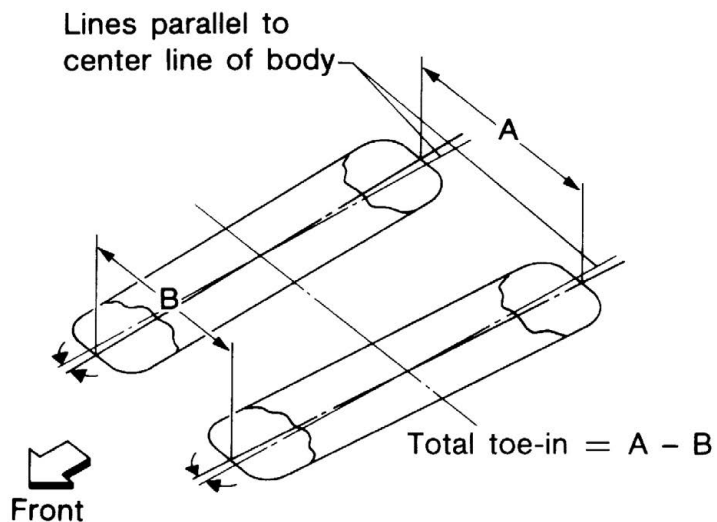
*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

SUSPENSION

[SPECIFICATIONS]

Wheel Alignment With Optional HD Front GAWR Package (With High Capacity Front Springs) (Unladen*1)

Tire		LT245/75R17	LT265/60R20
Camber LH Degree minute (decimal degree)	Minimum	-0° 37' 12" (-0.62°)	
	Nominal	0° 12' 36" (0.21°)	
	Maximum	1° 02' 24" (1.04°)	
Camber RH Degree minute (decimal degree)	Minimum	-0° 48' 00" (-0.80°)	
	Nominal	0° 01' 48" (0.03°)	
	Maximum	0° 51' 36" (0.86°)	
Cross camber Degree minute (decimal degree)	Minimum	-0° 34' 12" (-0.57°)	
	Nominal	0° 10' 48" (0.18°)	
	Maximum	0° 55' 48" (0.93°)	
Caster LH Degree minute (decimal degree)	Minimum	3° 32' 24" (3.54°)	
	Nominal	4° 27' 36" (4.46°)	
	Maximum	5° 22' 48" (5.38°)	
Caster RH Degree minute (decimal degree)	Minimum	4° 02' 24" (4.04°)	
	Nominal	4° 57' 36" (4.96°)	
	Maximum	5° 52' 48" (5.88°)	
Cross caster Degree minute (decimal degree)	Minimum	-1° 15' 00" (-1.25°)	
	Nominal	-0° 18' 00" (-0.50°)	
	Maximum	0° 15' 00" (0.25°)	
Kingpin inclination (reference only) Degree minute (decimal degree)		8° 34' 48" (8.58°)	



SUSPENSION

[SPECIFICATIONS]

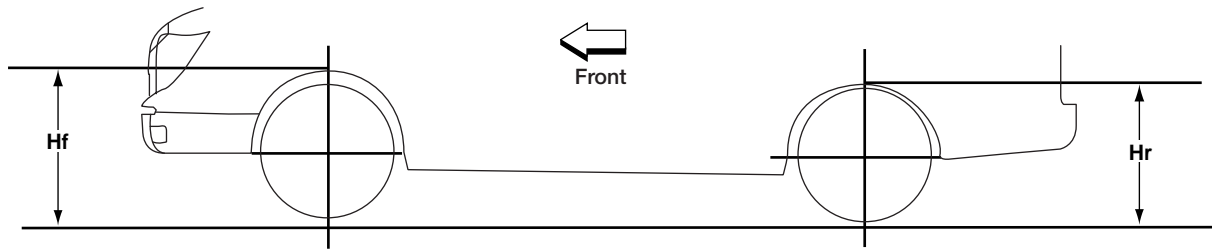
Tire			LT245/75R17	LT265/60R20
Total toe-in	Total toe-in Distance (A - B)	Minimum	In 1.4 mm (In 0.06 in)	In 1.4 mm (In 0.06 in)
		Nominal	In 4.2 mm (In 0.16 in)	In 4.4 mm (In 0.17 in)
		Maximum	In 70 mm (In 0.27 in)	In 73 mm (In 0.29 in)
	Total toe-in Angle Degree minute (decimal degree)	Minimum	In 0° 06' 00" (In 0.10°)	
		Nominal	In 0° 18' 00" (In 0.30°)	
		Maximum	In 0° 30' 00" (In 0.50°)	

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

General Specification (Rear)

Suspension type	Rigid axle with semi-elliptic leaf spring
Shock absorber type	Double-acting hydraulic

**Wheel Arch Height (Unladen*¹) – Crew Cab
Diesel (2016-2019 Model Years)**



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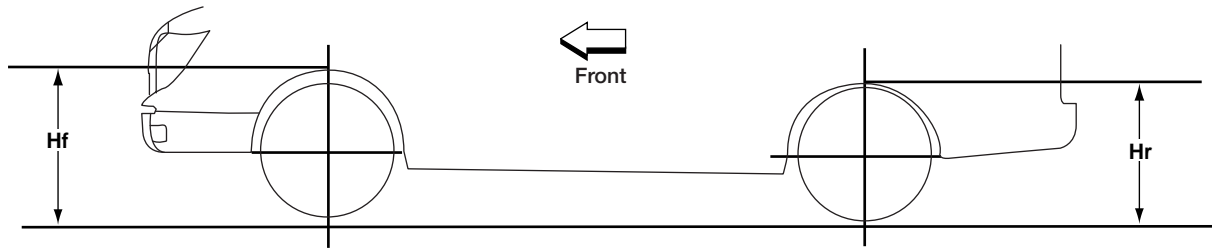
Drive type	2WD		4WD		
Grade	S and SV Base	SV Comfort and Convenience, SL and Platinum	S and SV Base	Pro-4X	SV Comfort and Convenience, SL and Platinum
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT275/65R18	LT265/60R20
Front wheel arch height (Hf)	988 mm (38.90 in)	1,010 mm (39.76 in)	986 mm (38.82 in)	1,000 mm (39.37 in)	1,009 mm (39.72 in)
Rear wheel arch height (Hr)	1,025 mm (40.35 in)	1,043 mm (41.06 in)	1,024 mm (40.31 in)	1,034 mm (40.71 in)	1,043 mm (41.06 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

SUSPENSION

[SPECIFICATIONS]

Gasoline With Standard Suspension (Starting with 2016 model year)

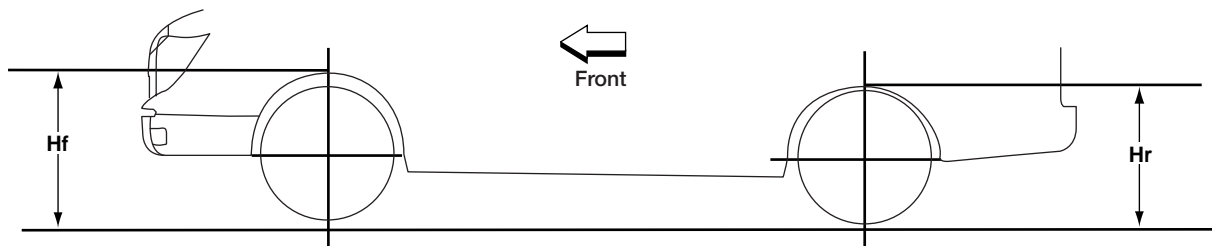


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Drive type	2WD (2016-2019 Model Years)		4WD		
	S and SV Base	SV Comfort and Convenience, SL and Platinum	S and SV Base	Pro-4X	SV Comfort and Convenience, SL and Platinum
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT275/65R18	LT265/60R20
Front wheel arch height (Hf)	991 mm (39.02 in)	1,013 mm (39.88 in)	990 mm (38.98 in)	1,002 mm (39.45 in)	1,012 mm (39.84 in)
Rear wheel arch height (Hr)	1,026 mm (40.39 in)	1,044 mm (41.10 in)	1,026 mm (40.39 in)	1,034 mm (40.71 in)	1,044 mm (41.10 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

Gasoline With Optional HD Front GAWR Package (With High Capacity Front Springs) (Starting with 2016 model year)



AAZIA0381GB

Drive type	4WD	
Grade	S and SV	SV Comfort and Convenience
Tire size	LT245/75R17	LT265/60R20
Front wheel arch height (Hf)	1,012 mm (39.88 in)	1,035 mm (40.75 in)
Rear wheel arch height (Hr)	1,026 mm (40.39 in)	1,044 mm (41.10 in)

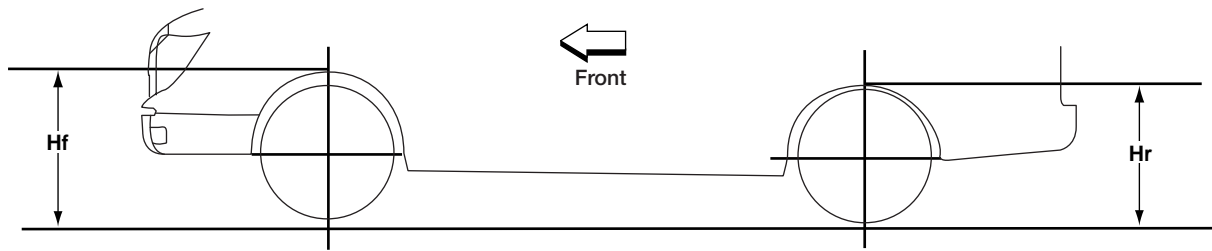
*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

SUSPENSION

[SPECIFICATIONS]

Wheel Arch Height (Unladen*1) – King Cab® (2017–2019 Model Years)

Diesel

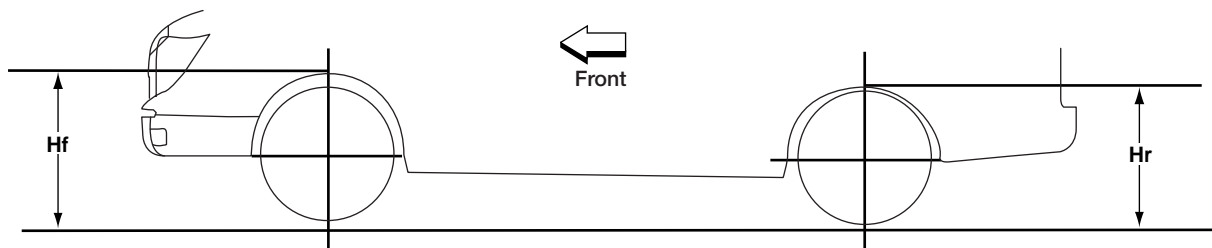


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Drive type	2WD		4WD		
Grade	S and SV Base	SV Comfort and Convenience	S and SV Base	Pro-4X	SV Comfort and Convenience
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT275/65R18	LT265/60R20
Front wheel arch height (Hf)	989 mm (38.94 in)	1,011 mm (39.80 in)	987 mm (38.86 in)	1,000 mm (39.37 in)	1,010 mm (39.76 in)
Rear wheel arch height (Hr)	1,026 mm (40.39 in)	1,044 mm (41.10 in)	1,026 mm (40.39 in)	1,034 mm (40.71 in)	1,043 mm (41.06 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

Gasoline With Standard Suspension



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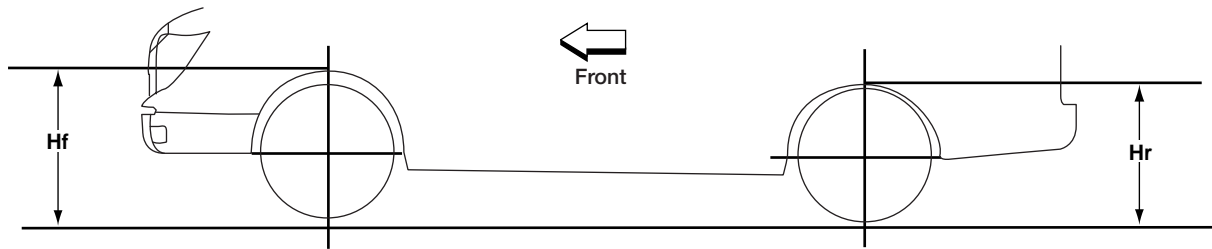
Drive type	2WD		4WD		
Grade	S and SV Base	SV Comfort and Convenience	S and SV Base	Pro-4X	SV Comfort and Convenience
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT275/65R18	LT265/60R20
Front wheel arch height (Hf)	993 mm (39.09 in)	1,014 mm (39.92 in)	991 mm (39.02 in)	1,003 mm (39.49 in)	1,012 mm (39.84 in)
Rear wheel arch height (Hr)	1,026 mm (40.39 in)	1,044 mm (41.10 in)	1,026 mm (40.39 in)	1,034 mm (40.71 in)	1,044 mm (41.10 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

SUSPENSION

[SPECIFICATIONS]

Gasoline With Optional HD Front GAWR Package (With High Capacity Front Springs)



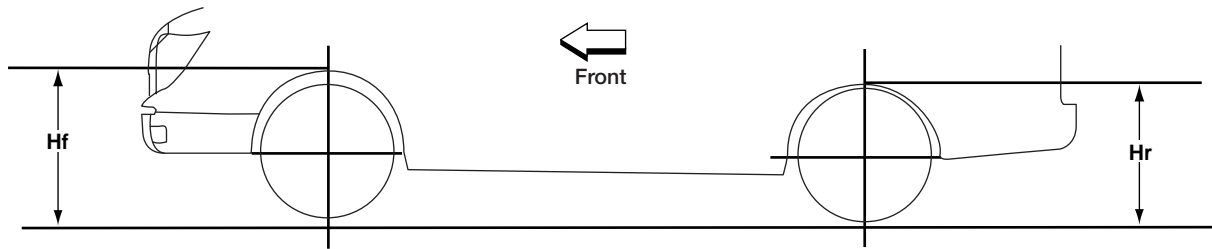
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Drive type	4WD	
Grade	S and SV	SV Comfort and Convenience
Tire size	LT245/75R17	LT265/60R20
Front wheel arch height (Hf)	1,016 mm (40.00 in)	1,038 mm (40.87 in)
Rear wheel arch height (Hr)	1,026 mm (40.39 in)	1,044 mm (41.10 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

Wheel Arch Height (Unladen*¹) – Single Cab (2017-2019 Model Years)

Diesel

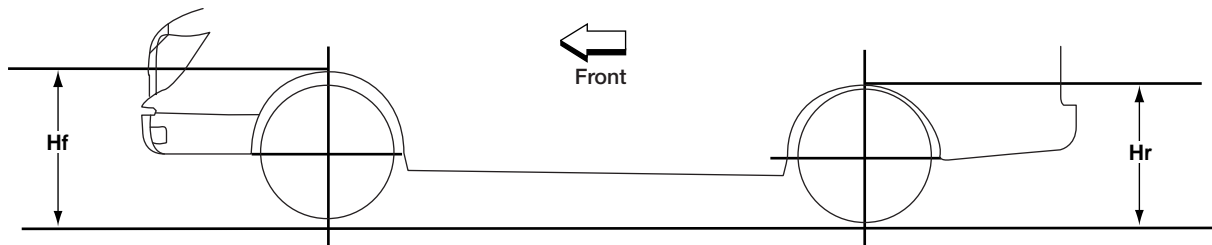


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Drive type	2WD		4WD	
Grade	S and SV		S and SV	
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT265/60R20
Front wheel arch height (Hf)	988 mm (38.90 in)	1,011 mm (39.80 in)	988 mm (38.90 in)	1,010 mm (39.76 in)
Rear wheel arch height (Hr)	1,027 mm (40.43 in)	1,045 mm (41.14 in)	1,026 mm (40.39 in)	1,044 mm (41.10 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

Gasoline With Standard Suspension



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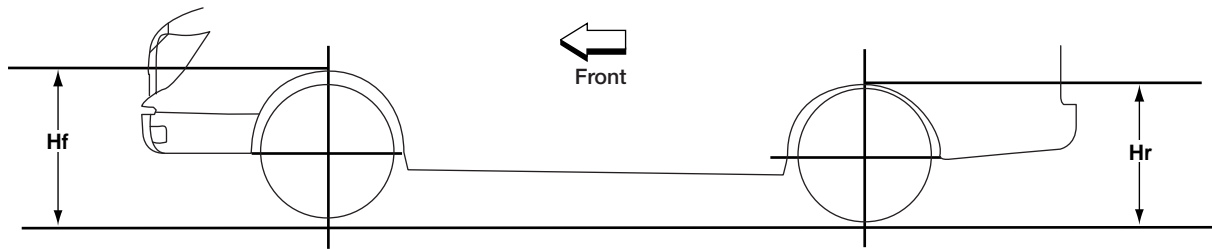
Drive type	2WD		4WD	
Grade	S and SV		S and SV	
Tire size	LT245/75R17	LT265/60R20	LT245/75R17	LT265/60R20
Front wheel arch height (Hf)	991 mm (39.02 in)	1,013 mm (39.88 in)	990 mm (38.98 in)	1,012 mm (39.84 in)
Rear wheel arch height (Hr)	1,028 mm (40.47 in)	1,046 mm (41.18 in)	1,027 mm (40.43 in)	1,045 mm (41.14 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

SUSPENSION

[SPECIFICATIONS]

Gasoline With Optional HD Front GAWR Package (With High Capacity Front Springs)



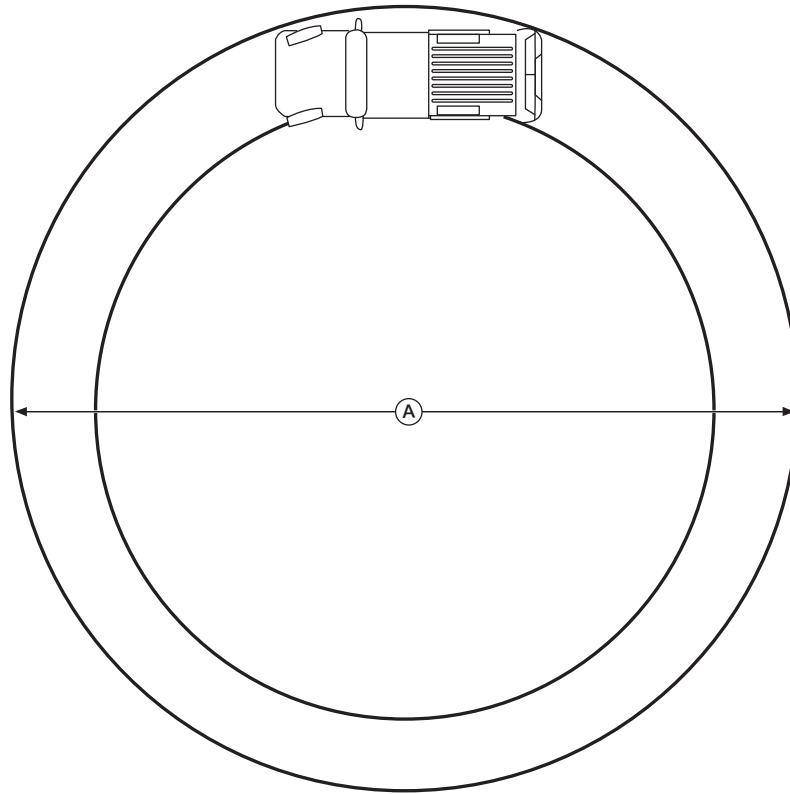
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Drive type	4WD	
Grade	S and SV	
Tire size	LT245/75R17	LT265/60R20
Front wheel arch height (Hf)	1,016 mm (40.00 in)	1,039 mm (40.91 in)
Rear wheel arch height (Hr)	1,027 mm (40.43 in)	1,045 mm (41.14 in)

*1: Fuel, engine coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.

TURNING DIAMETER

Wall-to-Wall



AAZIA0600ZZ

A. Crew cab: 16.4 m (53.8 ft)
Except crew cab: 14.6 m (48.0 ft)

WHEEL AND TIRE

Wheels and Tires (2016-2019 Model Years)

Refer to tire placard on vehicle for tire pressure specifications.

Grade	Road wheel	Tire Size	Spare wheel	Spare tire size
S, SV Base	17 X 7.5J Styled Steel	LT245/75R17	Full size - Steel	LT245/75R17
Pro-4X	18 X 7.5J Alloy - Machined over paint	LT275/65R18	Full size - Alloy	LT275/65R18
SL, SV Comfort and convenience	20 X 7.5J Alloy - Machined over paint	LT265/60R20	Full size - Alloy	LT265/60R20
Platinum	20 X 7.5J Alloy - Dark Chrome premium quality paint			

Wheel Dimensions	
Diameter	17 in
	18 in
	20 in
Width	7.5 in
Offset	17 X 7.5J wheel: 44 mm (1.73 in)
	18 X 7.5J wheel: 41.5 mm (1.63 in)
	20 X 7.5J wheel: 41.5 mm (1.63 in)
Bolt pattern	6 x 139.7 mm (6 X 5.5 in)
Center bore	77.77 mm (3.06 in)
Lug nut thread pitch	M14 x 1.5
Brake caliper clearance	Front: 3.8 mm (0.15 in) min.
	Rear: 5.9 mm (0.23 in) min.

WHEEL AND TIRE

[SPECIFICATIONS]

Wheels and Tires (Starting with 2020 model year)

Refer to tire placard on vehicle for tire pressure specifications.

Grade	Road wheel	Tire Size	Spare wheel	Spare tire size
S, SV Base	17 X 7.5J Styled Steel	LT245/75R17	Full size - Steel	LT245/75R17
Pro-4X	18 X 7.5J Alloy - Painted	LT275/65R18	Full size - Alloy	LT275/65R18
SL	20 X 7.5J Alloy - Chrome Optional: 20 X 7.5J Alloy - Machined	LT265/60R20	Full size - Alloy	LT265/60R20
SV Comfort and convenience	20 X 7.5J Alloy - Machined Optional: 20 X 7.5J Alloy - Chrome			
SL, Platinum	20 X 7.5J Alloy - Machined over paint Optional: 20 X 7.5J Alloy - Accessory wheel			

Wheel Dimensions	
Diameter	17 in
	18 in
	20 in
Width	7.5 in
Offset	17 X 7.5J wheel: 44 mm (1.73 in)
	18 X 7.5J wheel: 41.5 mm (1.63 in)
	20 X 7.5J wheel: 41.5 mm (1.63 in)
Bolt pattern	6 x 139.7 mm (6 X 5.5 in)
Center bore	77.77 mm (3.06 in)
Lug nut thread pitch	M14 x 1.5
Brake caliper clearance	Front: 3.8 mm (0.15 in) min.
	Rear: 5.9 mm (0.23 in) min.

BULBS

Exterior Lamp (2016-2019 Model Years)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (Halogen)	60	HB3
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	5	W5W
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	13	P13W
Front fog lamp (with LED)		55	H11
Daytime running lamps (without fog lamp, without LED, Canada only)		13	P13W
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16 (2016-2017 model years) 18 (starting with 2018 model year)	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	3.5	L1224R
	Back-up lamp	16 (2016-2017 model years) 18 (starting with 2018 model year)	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Exterior Lamp (2020 Model Year)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (LED)	—	—
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	—	—
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	21	W21W
Front fog lamp (with LED)		—	—
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Exterior Lamp (Starting with 2021 model year)

Item		Wattage (W)*	Bulb No.*
Front combination lamp (without LED)	Headlamp low (Halogen)	55	H11
	Headlamp high (Halogen)	60	HB3
	Turn signal/parking lamp	28/8	7444NA
	Side marker	5	W5W
Front combination lamp (with LED)	Headlamp low (LED)	—	—
	Headlamp high (LED)	—	—
	Daytime running lamps/parking lamp	—	—
	Turn signal	28/8	7444NA
	Side marker	—	—
Front fog lamp assembly (without LED, Canada only)	Fog lamp	35	H8
	Daytime running lamps	21	W21W
Front fog lamp (with LED)		—	—
Door mirror lamp		—	—
Puddle lamp		—	—
Rear combination lamp (without LED)	Stop/tail lamp	16	PW16W
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	921
	Turn signal/Tail lamp	27/7	3057K
	Cargo (Tailgate)	—	—
Rear combination lamp (with LED)	Stop lamp	—	—
	Back-up lamp	16	W16W
	Turn signal/Tail lamp	21	WY21W
	Cargo (Tailgate)	16	921
High-mounted stop lamp/cargo lamp		—	—
Under rail bed lamp		—	—
License plate lamp		—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

BULBS

[SPECIFICATIONS]

Interior Lamp/Illumination (2016-2019 Model Years)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	8	—
Footwell lamp	3.4	158
Vanity lamp	—	—
Glove box lamp	1.4	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Interior Lamp/Illumination (2020 model year)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	—	—
Footwell lamp	3.4	158
Vanity lamp	—	—
Glove box lamp	—	—

* Always check with an authorized NISSAN dealer for the latest parts information.

Interior Lamp/Illumination (Starting with 2021 model year)

Item	Wattage (W)*	Bulb No.*
Map lamp	8	—
Personal lamps	—	—
Footwell lamp	—	—
Vanity lamp	—	—
Glove box lamp	3.4	158

* Always check with an authorized NISSAN dealer for the latest parts information.

BATTERY

[SPECIFICATIONS]

BATTERY

Application→	Cummins 5.0L (2016-2019 Model Years)	VK56VD (5.6L)
Type*	GR35	GR27
Capacity (20 HR) minimum V-AH	12 - 63	12 - 80
Cold Cranking Current A [For reference value at -18°C (0°F)]	550	710

* Always check with an authorized NISSAN dealer for the latest parts information.

INVERTER SPECIFICATIONS

Rated voltage output		AC 120-volt (±10%)
Operating voltage range		DC 11.5-volt to 15-volt (Inverter terminal)
Rated power output	Low power mode	150-watt
	High power mode	400-watt
Output over-current protection	High power mode	3.7A or more
Input over-current protection	Low power mode	13.3A or more
Output frequency		60Hz (±10%)
Parasitic current		Less than 1 mA
Max. input current		45A (during continuous power)
Rated continuous power		400-watt @ 40°C (104°F) Maximum
Overheat protection (Thermistor)		100°C (212°F)

ACRONYMS

ACRONYM LIST

Acronym	Description
2WD	Two Wheel Drive
4WD	Four Wheel Drive
ABS	Anti-lock Braking System
AC	Alternating Current
A/C	Air Conditioning
AKI	Anti-Knock Index
AM/FM	Amplitude Modulated/Frequency Modulated
ANSI	American National Standards Institute
API	American Petroleum Institute
ARC	Accessory Reserve Capacity
A/T	Automatic Transmission
AT	Auto Transporter
ATV	All-Terrain Vehicle
BCM	Body Control Module
BT	Bus Trailer
CAN	Controller Area Network
CAN-H	Controller Area Network – High
CAN-L	Controller Area Network – Low
CD	C-Dolly
CG	Center of Gravity
CMVSS	Canadian Motor Vehicle Safety Standards
DEF	Diesel Exhaust Fluid
DOC	Diesel Oxidation Catalyst
DPF	Diesel Particulate Filter
DTCs	Diagnostic Trouble Codes
ECM	Engine Control Module
EGI	Electronic Gasoline Injection
EVAP	Evaporative Emission
FCC	Federal Communications Commission (USA)
FFV	Flexible Fuel Vehicle
FMVSS	Federal Motor Vehicle Safety Standards
FSS	Front Sonar System
GAW	Gross Axle Weight
GAWR	Gross Axle Weight Rating
GCWR	Gross Combination Weight Rating
GVW	Gross Vehicle Weight
GVWR	Gross Vehicle Weight Rating
H.S.	Harness Side
HSS	High Strength Steel
HVAC	Heating, Ventilation, & Air Conditioning

Acronym	Description
IC	Inflatable Curtain
IDs	Identifications
ILSAC	International Lubricant Standardization and Approval Committee
IPDM E/R	Intelligent Power Distribution Module Engine Room
LDD	Load Divider Dolly
MCRS	Modular Common Rail System
MH	Motor Home
MIL	Malfunction Indicator Light
MPV	Multi-purpose Passenger Vehicle
MSDS	Material Safety Data Sheet
NHTSA	National Highway Traffic Safety Administration
NNA	NISSAN North America
NOx	Mono-Nitrogen Oxides
OEM	Original Equipment Manufacturer
ORVR	On-Board Refueling Vapor Recovery
OSHA	Occupational Safety and Health Act
PSF	Power Steering Fluid
PTC	Positive Temperature Coefficient
RF	Radio Frequency
RFI	Radio Frequency Interference
RKE	Remote Keyless Entry
RPM	Revolutions Per Minute
RSS	Rear Sonar System
SAE	Society of Automotive Engineers
SB	School Bus
SgRP	Seating Reference Point
SRS	Supplemental Restraint System
SUB	Second Unit Body
TCD	Trailer Converter Dolly
TCM	Transmission Control Module
TPMS	Tire Pressure Monitoring System
TPS	Throttle Position Sensor
TRA	Trailer
TRU	Truck
TT	Truck Tractor
USB	Universal Serial Bus
UVW	Unloaded Vehicle Weight
VDC	Vehicle Dynamic Control
VIN	Vehicle Identification Number

CONVERSION CHARTS

METRIC-ENGLISH CONVERSION CHART

Conversion Unit Type	Indicated Unit	Conversion Coefficient		
Length	km (mile)	km	→ mile	: 0.6214
	m (ft)	m	→ ft	: 3.281
	mm (in)	mm	→ in	: 0.03937
Temperature Difference	°C (°F)	°C	→ °F	: 1.8°C + 32
Mass	kg (lb)	kg	→ lb	: 2.205
	g (oz)	g	→ oz	: 0.03527
Force	kN (ton, US ton, Imp ton)	ton	→ kN	: 9.807
			→ US ton	: 1.102
			→ Imp ton	: 0.9842
	N (kg, lb)	kg	→ N	: 9.807
			→ lb	: 2.205
	N (g, oz)	g	→ N	: 0.009807
→ oz			: 0.03527	
Pressure	kPa (bar, kg/cm ² , psi)	kg/cm ²	→ kPa	: 98.07
			→ bar	: 0.9807
			→ psi	: 14.22
	kPa (mbar, mmHg, inHg)	mmHg	→ kPa	: 0.1333
			→ mbar	: 1.333
			→ inHg	: 0.03937
	kPa (mbar, mmH ₂ O, inH ₂ O)	mmH ₂ O	→ kPa	: 0.009807
			→ mbar	: 0.09807
			→ inH ₂ O	: 0.03937
Inflation Pressure	kg/cm ² , (kPa, bar, psi)	kg/cm ²	→ kPa	: 98.07
			→ bar	: 0.9807
			→ psi	: 14.22
Speed	m/s (ft/s)	m/s	→ ft/s	: 3.281
	km/h (MPH)	km/h	→ MPH	: 0.6214
Cooling / Heating Capacity	kW (kcal/h, BTU/h)	kcal/h	→ kW	: 0.001163
			→ BTU/h	: 3.968
		kW	→ kcal/h	: 859.8
Unbalance	g·cm (oz·in)	g·cm	→ oz·in	: 0.01389

METRIC-ENGLISH CONVERSION CHART

[CONVERSION CHARTS]

Conversion Unit Type	Indicated Unit	Conversion Coefficient		
Torque	N·m (kg-m, ft-lb, in-lb)	kg-m	→ N·m	: 9.807
			→ ft-lb	: 7.233
			→ in-lb	: 86.80
	N·m (kg-cm, in-lb)	kg-cm	→ N·m	: 0.09807
			→ in-lb	: 0.8680
Volume	<Fluid> ℓ (US gal, Imp gal)	ℓ	→ US gal	: 0.2642
			→ Imp gal	: 0.2200
	→ US qt		: 1.057	
	→ Imp qt		: 0.8801	
	→ US pt		: 2.114	
	→ Imp pt		: 1.760	
	<Fluid> ml (US fl oz, Imp fl oz)	ml	→ US fl oz	: 0.03381
			→ Imp fl oz	: 0.03520
	<Displacement> cm ³ / (cu in)	cm ³	→ cu in	: 0.06102
Spring Constant	N/mm (kg/mm, lb/in)	kg/mm	→ N/mm	: 9.807
			→ lb/in	: 56.00

INCH-MILLIMETER EQUIVALENTS CHART

[CONVERSION CHARTS]

INCH-MILLIMETER EQUIVALENTS CHART

Fraction inches	Decimal inches	Metric mm
1/64	0.015625	0.39688
1/32	0.03125	0.79375
3/64	0.046875	1.19062
1/16	0.0625	1.58750
5/64	0.078125	1.98437
3/32	0.09375	2.38125
7/64	0.109375	2.77812
1/8	0.125	3.1750
9/64	0.140625	3.57187
5/32	0.15625	3.96875
11/64	0.171875	4.36562
3/16	0.1875	4.76250
13/64	0.203125	5.15937
7/32	0.21875	5.55625
15/64	0.234375	5.95312
1/4	0.250	6.35000
17/64	0.265625	6.74687
9/32	0.28125	7.14375
19/64	0.296875	7.54062
5/16	0.3125	7.93750
21/64	0.328125	8.33437
11/32	0.34375	8.73125
23/64	0.359375	9.12812
3/8	0.375	9.52500
25/64	0.390625	9.92187
13/32	0.40625	10.31875
27/64	0.421875	10.71562
7/16	0.4375	11.11250
29/64	0.453125	11.50937
15/32	0.46875	11.90625
31/64	0.484375	12.30312
1/2	0.500	12.70000

Fraction inches	Decimal inches	Metric mm
33/64	0.51625	13.09687
17/32	0.53125	13.49375
35/64	0.546875	13.89062
9/16	0.5625	14.28750
37/64	0.578125	14.68437
19/32	0.59375	15.08125
39/64	0.609375	15.47812
5/8	0.625	15.87500
41/64	0.640625	16.27187
21/32	0.65625	16.66875
43/64	0.671875	17.06562
11/16	0.6875	17.46250
45/64	0.703125	17.85937
23/32	0.71875	18.25625
47/64	0.734375	18.65312
3/4	0.750	19.05000
49/64	0.765625	19.44687
25/32	0.78125	19.84375
51/64	0.796875	20.24062
13/16	0.8125	20.63750
53/64	0.828125	21.03437
27/32	0.84375	21.43125
55/64	0.859375	21.82812
7/8	0.875	22.22500
57/64	0.890625	22.62187
29/32	0.90625	23.01875
59/64	0.921875	23.41562
15/16	0.9375	23.81250
61/64	0.953125	24.20937
31/32	0.96875	24.60625
63/64	0.984375	25.00312
1	1.00	25.40000

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