

Safety Recall Notice Service Bulletin 512469 Rev. A



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January 2021

NHTSA Recall #: 21V010

Applicable for 2018 through 2021 Honda

Read Instructions Before Beginning

Labor Time: Inspection: 1.5 Hours
Repair (if necessary): 2.5 Hours

Recall Topics: Recall > 21V010 > Inspect
Repair > 21V010 > Repair

This service bulletin details the inspection of the fuel system charcoal canister and replacement of the charcoal canister and fuel tank if required.

Charcoal Canister Kit: 512495KS

Contents: Charcoal Canister - 512492

Canister Valve - 512493

Fuel Tank Pressure Sensor - 512494

Fuel Tank Part Kit Number: 511321KS

Contents: Fuel Tank - 511321

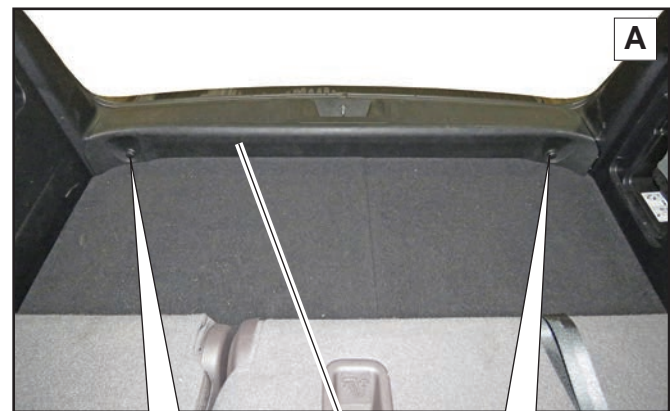
Sending Unit O-Ring: 505963

Fuel Tank and Charcoal Canister Inspection

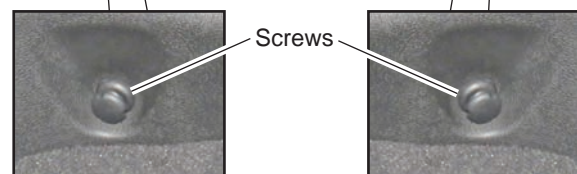
⚠ DANGER

Avoid smoking, working with grinders and any other source of ignition when performing this procedure. Highly combustible fuels will be present and may cause serious bodily injury, death and/or property damage.

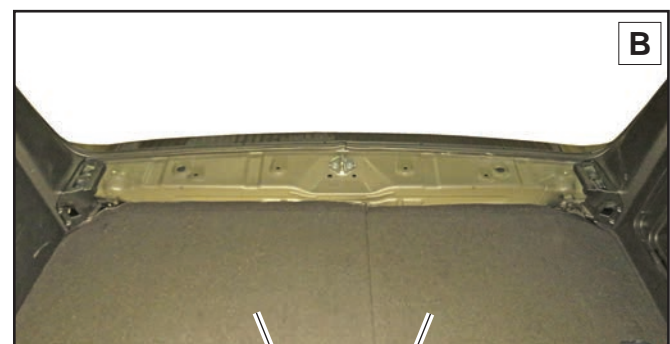
1. Open rear hatch and disconnect vehicle battery.
2. Remove rear hatch threshold cover. See Photo A.
3. Remove rear hatch floor covers. See Photo B.



Rear Threshold Cover



Screws

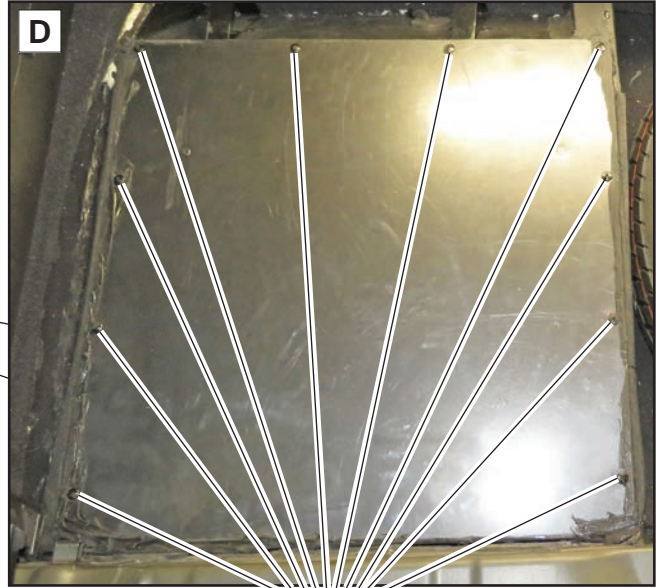


Rear Hatch Floor Covers

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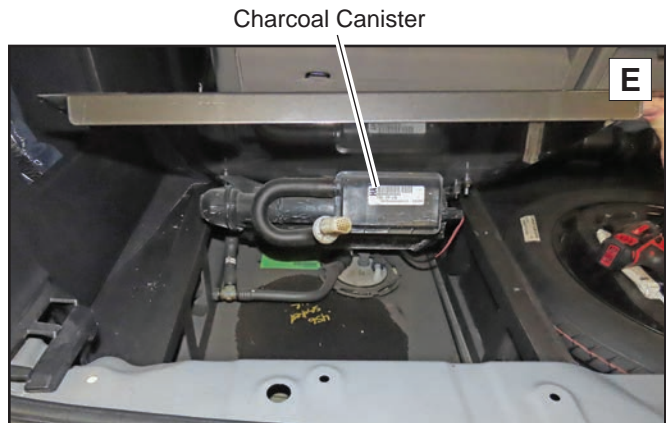
Sending Unit/Charcoal Canister Cover



Screws

4. Remove screws securing sending unit/charcoal canister cover. See Photos C and D.

5. Carefully lift sending unit/charcoal canister cover. Use care as the charcoal canister is secured to the underside of the cover. See Photo E.

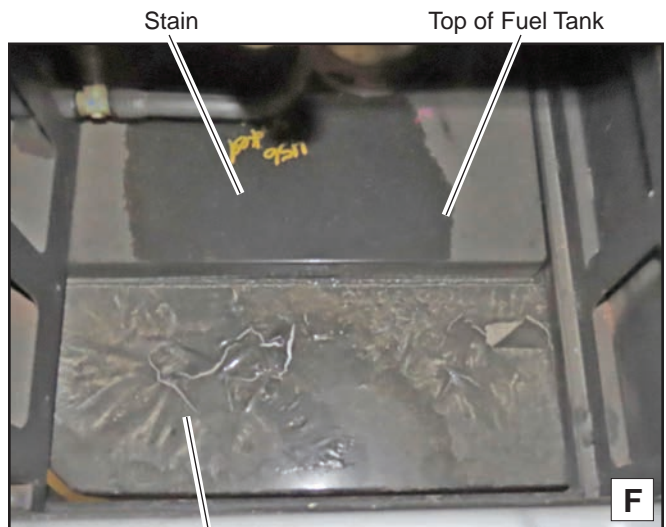


Charcoal Canister

6. Inspect top of fuel tank for evidence of leakage, particularly stains and damaged/cracked paint. See Photo F.

If there is no evidence of leakage, proceed to Step 7.

If there is evidence of leakage, perform steps 7 through 11 and proceed to Charcoal Canister and Fuel Tank Retrofit on page 5.

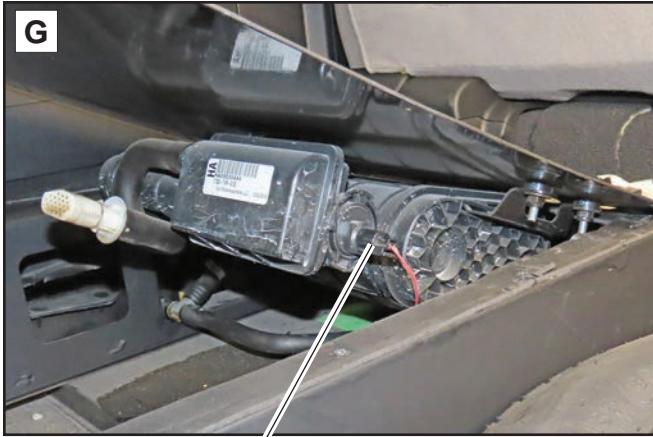


Stain

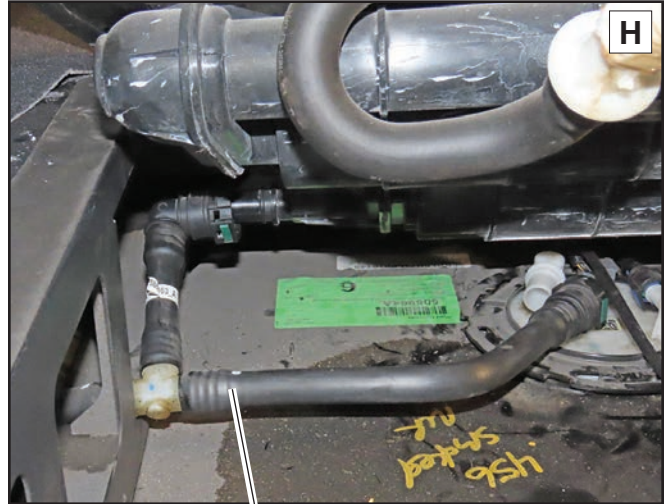
Top of Fuel Tank

Cracked/Damaged Paint

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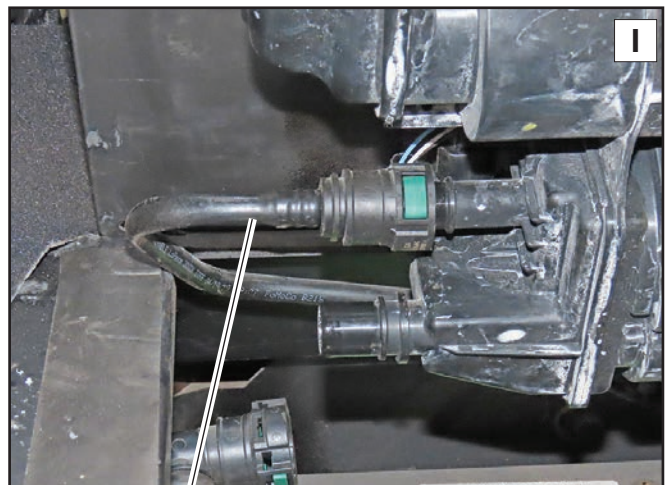
Evaporative Vent Shut Off Valve Harness Connector



Fuel Tank Vent Hose

7. Disconnect evaporative vent shut off valve harness from charcoal canister. See Photo G.

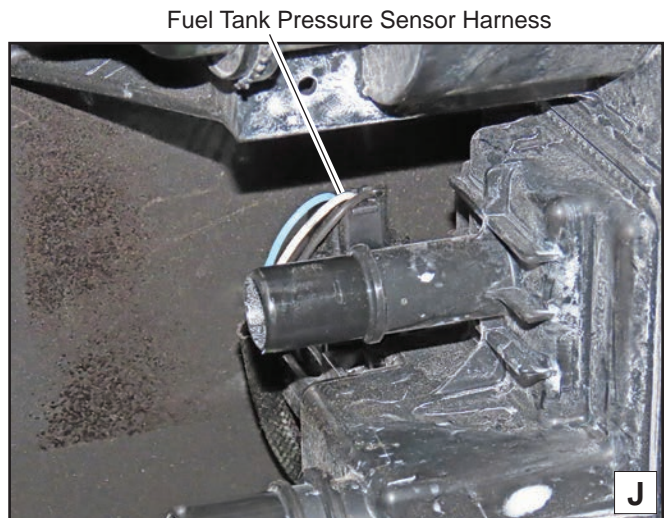
8. Disconnect fuel tank vent hose. See Photo H.



Engine Vent Hose

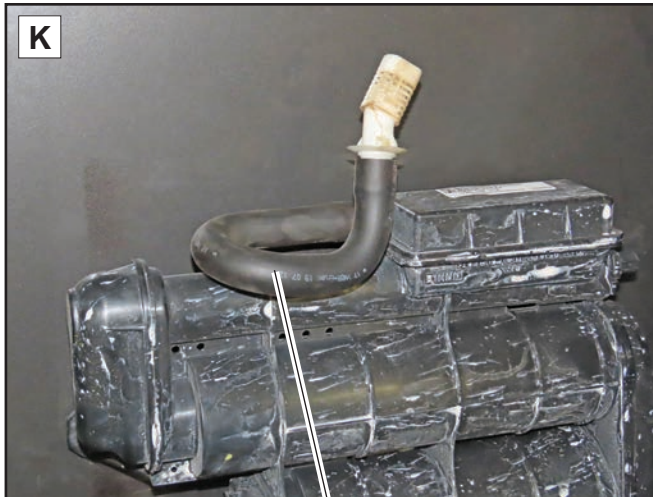
9. Disconnect engine vent hose. See Photo I.

10. Disconnect Fuel Tank Pressure Sensor harness. See Photo J.

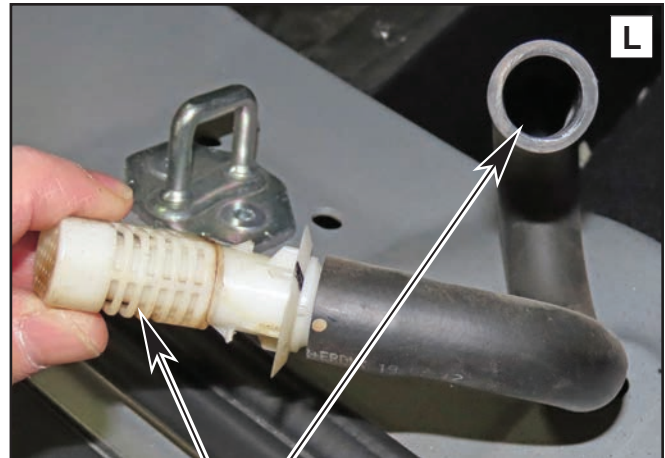


11. Remove charcoal canister/cover assembly from vehicle.

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Vent Hose



Inspect Here

12. Remove charcoal canister vent hose from charcoal canister. See Photo K.

13. Inspect charcoal canister vent hose for liquid. See Photo L.

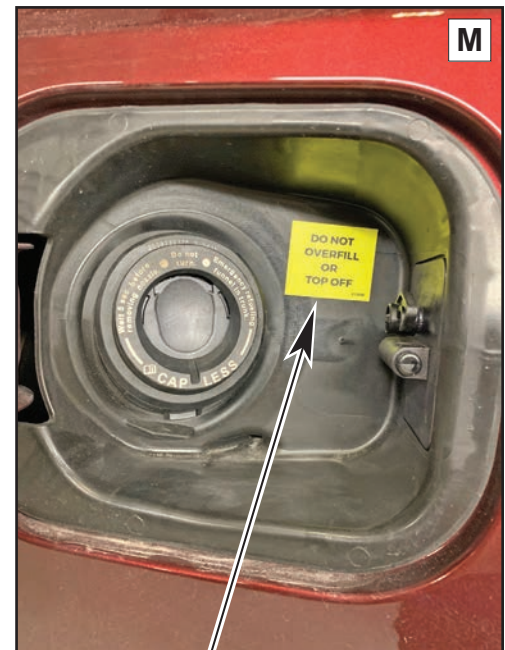
If there is no liquid in the hose, proceed to Step 14.

If there is liquid in the hose proceed to Charcoal Canister and Fuel tank Retrofit on page 5.

14. Rotate the charcoal canister in every direction. Look for and listen for any liquid inside of the charcoal canister.

If there is no liquid inside the charcoal canister, no further action is required. Reinstall charcoal canister by performing instructions in reverse. Apply seam seal to sending unit/charcoal canister cover before securing to vehicle. Affix fuel fill information decal (part number 512546) next to fuel fill port as shown in Photo M. Clean decal area with rubbing alcohol to ensure proper adhesion.

If there is liquid inside the charcoal canister, proceed to Charcoal Canister and Fuel Tank Retrofit on page 5.



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Fuel Tank and Charcoal Canister Retrofit

⚠ DANGER

Avoid smoking, working with grinders and any other source of ignition when performing this retrofit. Highly combustible fuels will be present and may cause serious bodily injury, death and/or property damage.



Harness Connector

Sending Unit

15. Disconnect sending unit harness. See Photos N.

16. Relieve fuel line pressure. Connect vehicle battery and start vehicle. Vehicle will run 15 to 20 seconds and stall. Vehicle will also show a fuel gauge malfunction indicator. Restart vehicle. Vehicle will run for 2 to 3 minutes and stall.



EVAP Line

Sending Unit

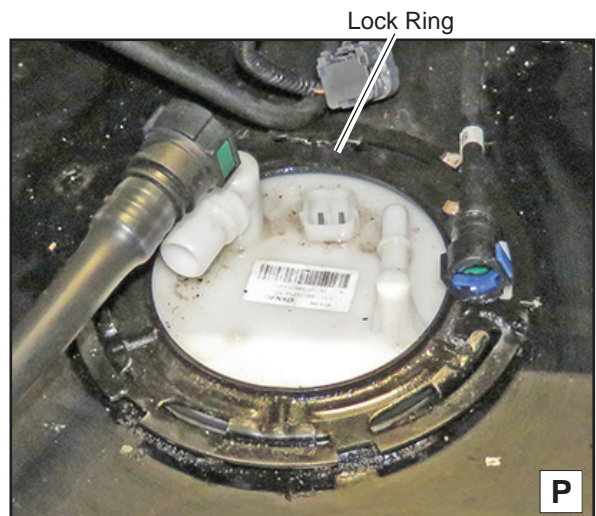
Fuel Line

17. Disconnect vehicle battery.

18. Disconnect EVAP line and fuel line from top of sending unit. See Photo O.

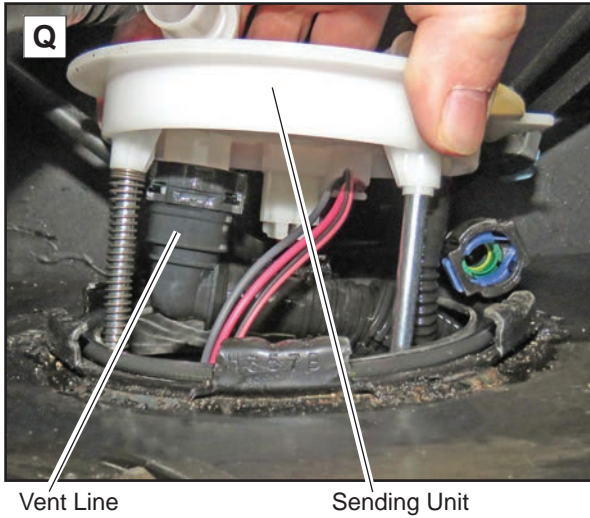
Note: Be prepared to capture escaping gasoline when fuel line is disconnected.

19. Remove sending unit lock ring. Rotate lock ring counterclockwise. See Photo P.



Lock Ring

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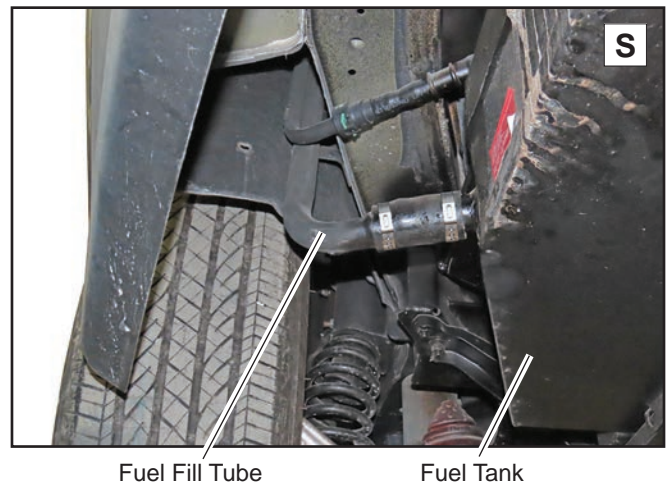
20. Lift sending unit and disconnect vent line.
See Photo Q.

21. Remove sending unit from fuel tank. Turning the sending unit counterclockwise will ease removal.

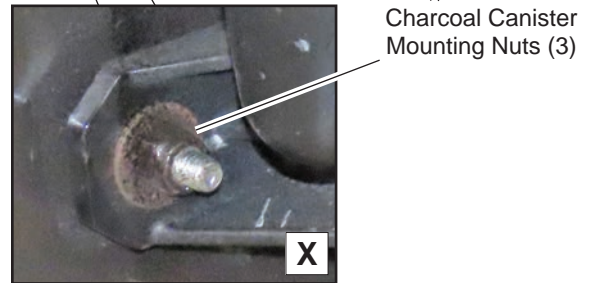
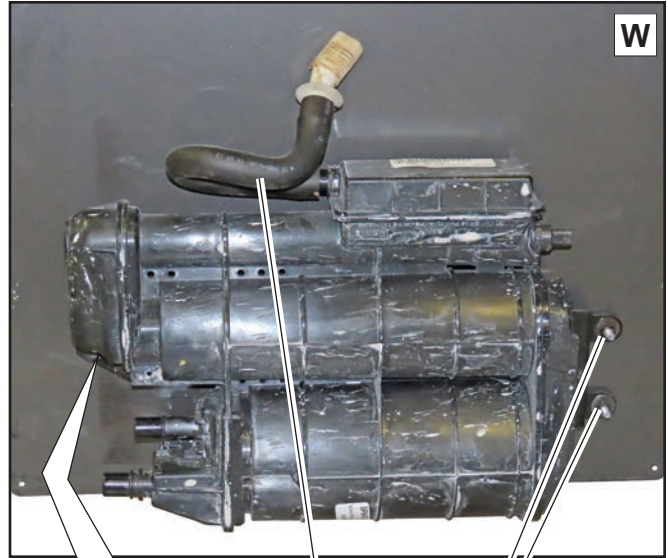
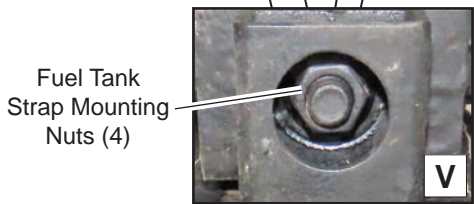
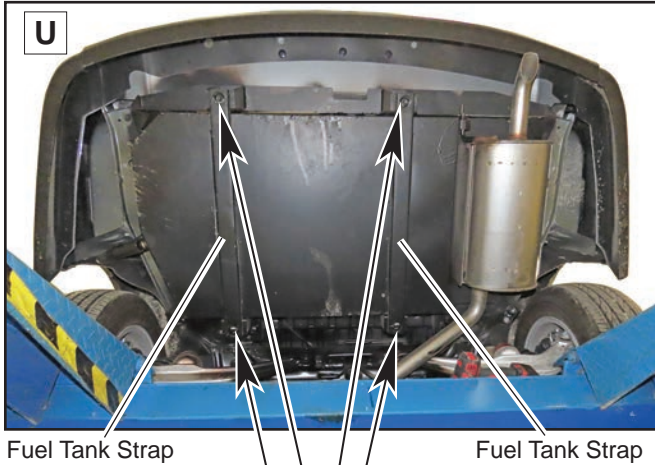
22. Remove fuel, by pumping or siphoning, using the sending unit mounting hole.
See Photo R.

23. Disconnect fuel fill tube from fuel tank.
See Photo S.

24. Place a fuel tank jack beneath the fuel tank. See Photo T.



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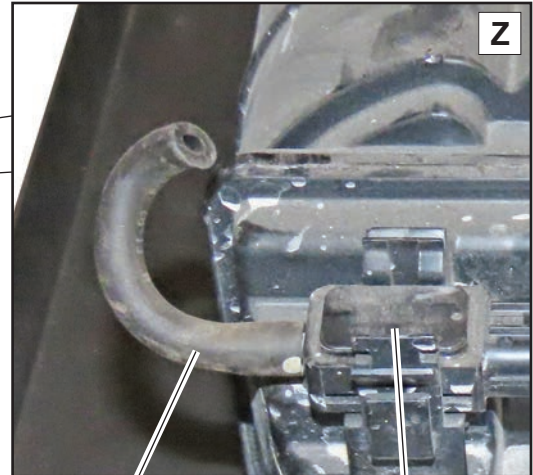
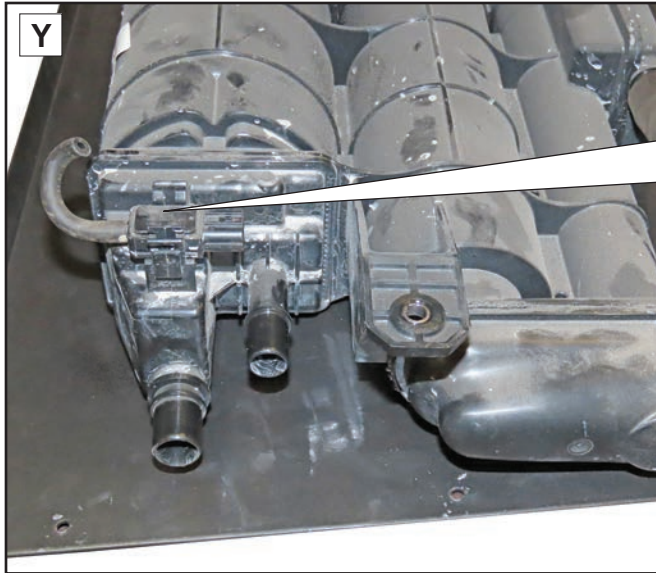
25. Remove fuel tank straps. See Photos U and V.

Note: Fuel tank straps shown without fuel tank jack for clarity.

26. Lower and dispose of fuel tank.

27. Remove charcoal canister from cover. and remove charcoal canister vent hose. See Photos W and X.

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Tank Pressure
Sensor Hose

Tank Pressure
Sensor

28. Remove hose from fuel tank pressure sensor. See Photos Y and Z.

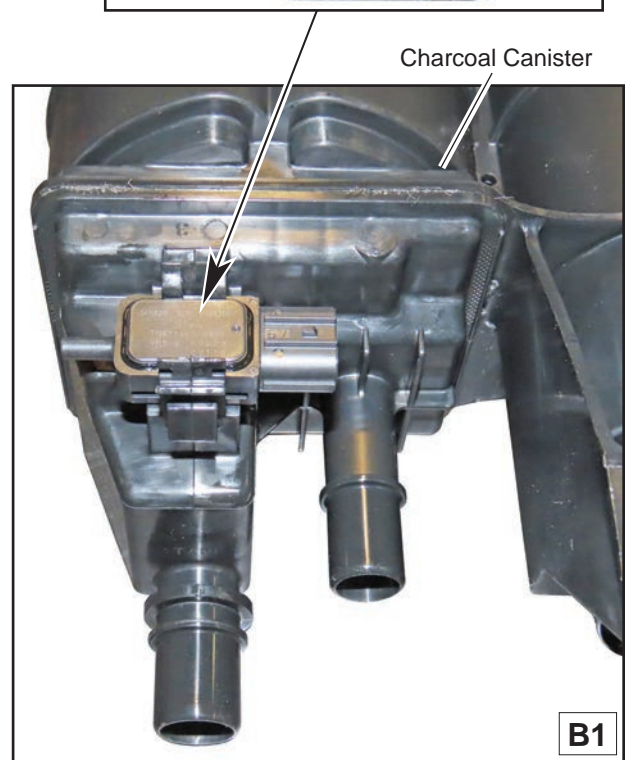
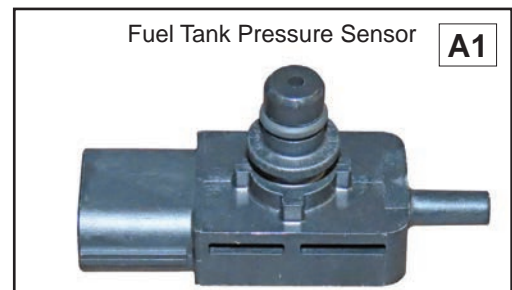
29. Install fuel tank (BraunAbility part number 511321) by performing steps 15 through 25 in reverse.

Note: Use new sending unit O-ring, included in kit (part number 505963), when installing the sending unit.

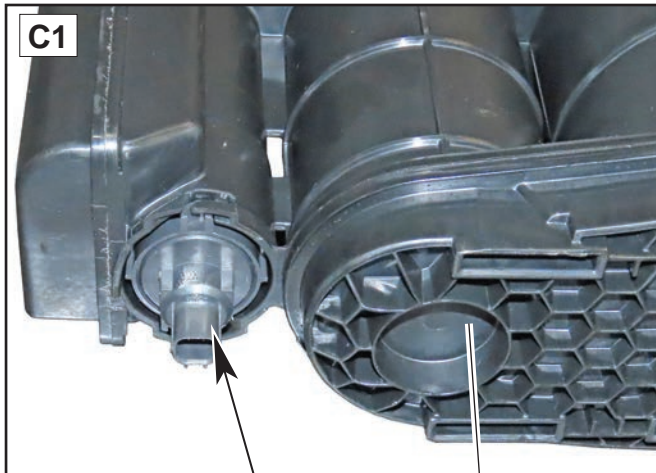
Note: Use worm clamp (part number 26400), included in kit, when connecting fill tube to the fuel tank.

Note: Use mounting hardware included in kit when installing tank straps:
(4) - 1/2-13 X 1" Hex Bolt - part number: 10037
(4) - 1/2" Flat Washer - part number: 10065
(4) - 1/2" Nut - part number: 15704
Torque fasteners to 75 ft•lbs.
Paint fasteners after installation.

30. Install fuel tank pressure sensor (part number 512494) and canister valve (part number 512493) onto charcoal canister (part number 512492). See Photos A1 through D1.

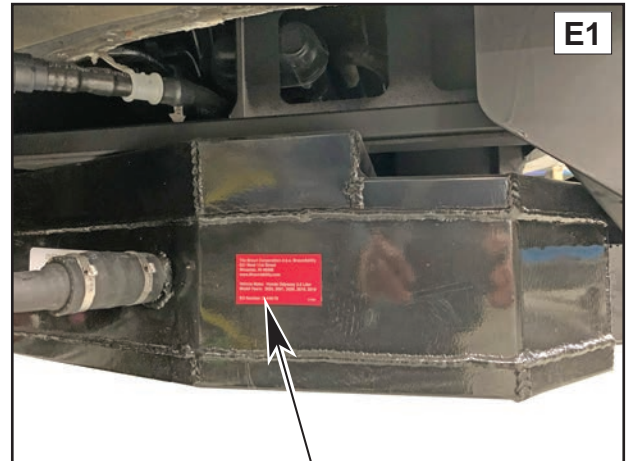


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C1

Charcoal Canister



E1

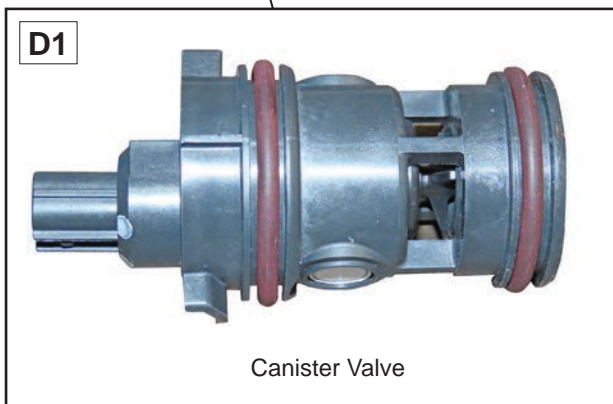
The Braun Corporation d.b.a. BraunAbility
631 West 11st Street
Winamac, IN 46996
www.BraunAbility.com

Vehicle Make: Honda Odyssey 3.5 Liter
Model Years: 2022, 2021, 2020, 2019, 2018

EO Number: D-449-76

511922

CARB Decal



D1

Canister Valve

31. Install fuel tank pressure sensor hose and charcoal canister vent hose.
32. Install charcoal canister on charcoal canister/sending unit cover.
33. Install charcoal canister/sending unit cover by performing steps 7 through 11 in reverse.
34. Install hatch floor covers and rear hatch threshold cover.
35. Affix CARB decal (part number 511922) to fuel tank. See Photo E1.
36. Affix fuel fill information decal (part number 512546) next to fuel fill port as shown in Photo F1. Clean decal area with rubbing alcohol to ensure proper adhesion.
37. Connect vehicle battery.



F1

**DO NOT
OVERFILL
OR
TOP OFF**

512546