



# SAFETY RECALL BULLETIN

## NHTSA RECALL 17V-783, Transport Canada 2017-615

AUTOCAR, LLC SAFETY RECALL ACX-1704

December, 2017

### Attention:

Service Managers/Parts Managers

### Subject:

Autocar has determined that a defect exists in the heating ventilation and air conditioning (HVAC) defrost mode door actuator circuit of certain 2017 and 2018 model-year Xpeditors, which could lead to an electrical short circuit.

### Safety Recall Information:

This document provides work instructions to install a circuit protection harness that incorporates inline fuses.

### Vehicles Affected:

There are 1505 units affected manufactured after October 2016. To determine if a vehicle is affected by this Service Program. To determine if a vehicle is affected by this Service Program, log in to the Autocar Warranty Management System at [www.autocartruck.com](http://www.autocartruck.com). Click on the blue "Warranty Management" diamond on the right hand side of the page. From the main menu, select "Service Programs" and look for the Autocar recall number above. An excel file will be accessible with the VIN list of affected vehicles. Alternatively, to determine if a single vehicle is affected, select "VIN Profile" from the main menu. In the "Chassis Number" field, enter the last 6 of the VIN. Once the VIN profile is displayed, scroll down to the "Service Program Information" section.

### Service Responsibility:

Service sites must perform this recall on affected vehicles at no charge to the owner regardless of vehicle mileage, age or ownership. If a vehicle affected by this recall is taken into or is currently in your vehicle inventory, or at your center for service, you must perform this recall before the vehicle is sold or released to the owner.

### Required Parts:

(1) S6031001-002 Circuit protection harness

### To Obtain Parts:

Ensure that you have authorization from the customer to perform this work, and send an e-mail to [warranty@autocartruck.com](mailto:warranty@autocartruck.com) and include the following:

- VIN(s) or last 6 digits of VIN(s)
- 'Attention To' name
- 'Ship To' address

### Claims for Reimbursement:

Submit a claim for reimbursement in accordance with Autocar's Warranty Administration Manual.

### Claim Coding Information:

Labor Operation Code Number	Time Allowance SRT	Description
87307-0-04	1.0 HR	Circuit protection harness install

### Tools Required:

#2 Phillips screwdriver



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### SAFETY NOTICES:



#### WARNING

Allow the vehicle's engine and cooling system to cool to ambient temperature before performing the repair procedure. A hot engine or cooling assembly may cause burns or other personal injury.



#### WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service or inspection.



#### WARNING

Before working on a vehicle, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

### Working on CNG/LNG Trucks

#### SAFETY INSTRUCTIONS

If you store or dispense Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG), or if you work on CNG or LNG trucks, your location must be fully compliant with applicable codes, regulations and standards, including National Fire Protection Associate (NFPA) codes, Society of Automotive Engineers (SAE) standards, American National Standards Institute (ANSI) Natural Gas Vehicle (NGV) standards, the United States Code of Federal Regulations (CFR) and your state and local fire and other applicable codes (including, for example, the California Code of Regulations and the Texas Administrative Code).

Contact your local fire department for guidance and additional compliance information.

Technicians working on Autocar trucks with CNG or LNG engines must be trained in the proper repair of CNG and LNG trucks and engines and the safe storage and dispensing of CNG and LNG.

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### Working on CNG Fuel Systems



#### WARNING

CNG fuel systems include a high pressure (3600 psi) system for fuel storage and a low pressure system (125 psi) for consumption by the engine. Understanding the characteristics of CNG and how the fuel system works will prevent injury and damage to persons and property.

Attempting to operate or maintain any CNG fuel system without proper training is dangerous. Complete training and consult instructional bulletins from the CNG system suppliers, such as Agility Fuel Systems' Field Service Bulletin, Safely Working on CNG Fuel Systems.

### Welding and Hot Work Near CNG and LNG Trucks



#### WARNING

Welding, grinding and other "hot work" can be safely performed on or near a CNG or LNG vehicle, but certain precautions must be followed. Understand and perform the necessary precautions provided by the CNG system suppliers, such as Agility Fuel Systems' Field Service Bulletin, Welding and Hot Work Precautions Near CNG and LNG Vehicles.

### CNG Cylinders



#### WARNING

CNG fuel containers must meet Federal Motor Vehicle Safety Standard (FMVSS) 304 (Compressed Natural Gas Fuel Container Integrity) and/or ANSI/CSA NGV2 (Basic Requirements for Compressed Natural Gas Vehicle Fuel Containers). Both standards specify a detailed visual examination every three years.

Ensure that every truck owner completes the required inspections, in accordance with the applicable standards and other resources, such as the Clean Vehicle Education Foundation and NGV America's Compressed Natural Gas (CNG) Container Visual Inspection Advisory.

FMVSS 304 also requires that cylinders not be used after the end of life (EOL) date provided on the tank label. The EOL date is also displayed in the engine compartment and at the fueling connection of each truck. If there is any question as to proper decommissioning of a cylinder, contact the manufacturer, whose name and address is also required to be on the label.

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### CNG Fuel Container Pressure Relief Devices (PRDs)



#### WARNING

PRDs must be properly maintained and positioned for safe operation of a CNG fuel system. Missing vent caps can allow moisture into PRDs and vent lines, which can freeze and damage these safety components. Debris which clogs the PRDs and/or vent lines can prevent proper function.

PRDs must be positioned to vent upward, not outward, from a vehicle.

Ensure that every truck owner completes periodic inspections of the PRDs and vent lines and systems, in accordance with guidance provided by the system component suppliers.

### Alert First Responders to CNG and LNG



#### DANGER

In the event of a fire or other emergency, alert first responders to the presence and location of CNG fuel systems, tanks and dispensers. Ensure that emergency personnel are aware of proper precautions, such as those provided in Agility's *First Responder Guide: CNG and LNG Vehicle Fuel Systems*.



#### CAUTION

### LOCKOUT/TAGOUT PROCEDURES

Before entering the vehicle or vehicle body, read and follow OSHA regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147. Follow OSHA regulations while performing any work on the vehicle. The vehicle must be disabled by the following steps before performing any work on the vehicle:

1. Place the transmission in NEUTRAL.
2. Set the parking brake.
3. Shut the engine OFF.
4. Lock cab doors, keep the key in your pocket. Block the wheels before entering the body or performing any work on the vehicle.
5. Turn the battery disconnect switch OFF, if equipped.
6. Completely drain the air from the primary/A system and secondary/B system by opening the drain valves on the air tanks themselves or by using the drain manifold if supplied. When draining the air tanks, do not look into the area where air is draining. Dirt or sludge particles may be expelled in the air stream and can cause eye injury.
7. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.
8. Take proper precautions before working under the vehicle. Use ramps approved for the weight of your vehicle, or use floor jacks and stands. Never work under a vehicle supported by jacks alone. Always use jack stands to support the vehicle.

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### INSTALLATION OF CIRCUIT PROTECTION HARNESS

1. Locate the heating ventilation and air conditioning (HVAC) unit (*it may be mounted on either the left or right hand side*) (*see Figure 1*).
2. Remove the 4 Phillips screws securing the access panel (or gauge pod) directly above the HVAC unit and set aside for reinstallation (*see Figure 1*).



**Figure 1**

3. Locate the HVAC harness connector (*see Figure 2*).
4. Unplug the HVAC harness connector.

5. Inspect the HVAC harness. If the red and green wires are not in place, reinstall them as set forth in step 5a and 5b. If the red and green wires are in place, proceed to step 6.

**5a.)** From the harness side of the HVAC harness connector, insert the red wire into cavity E until it clicks into place.

**5b.)** From the harness side of the HVAC harness connector, insert the green wire into cavity A until it clicks into place.

6. Install the circuit protection harness (S6031001-002) and reconnect the HVAC unit.
7. Reinstall the access panel (or gauge pod) that was set aside in step 2.
8. Start the engine and test the HVAC defrost operation.

**Note:** *If there are any malfunctions or if you have questions regarding this document, please call Autocar Technical Support at 888-218-3611.*

9. The installation is complete.

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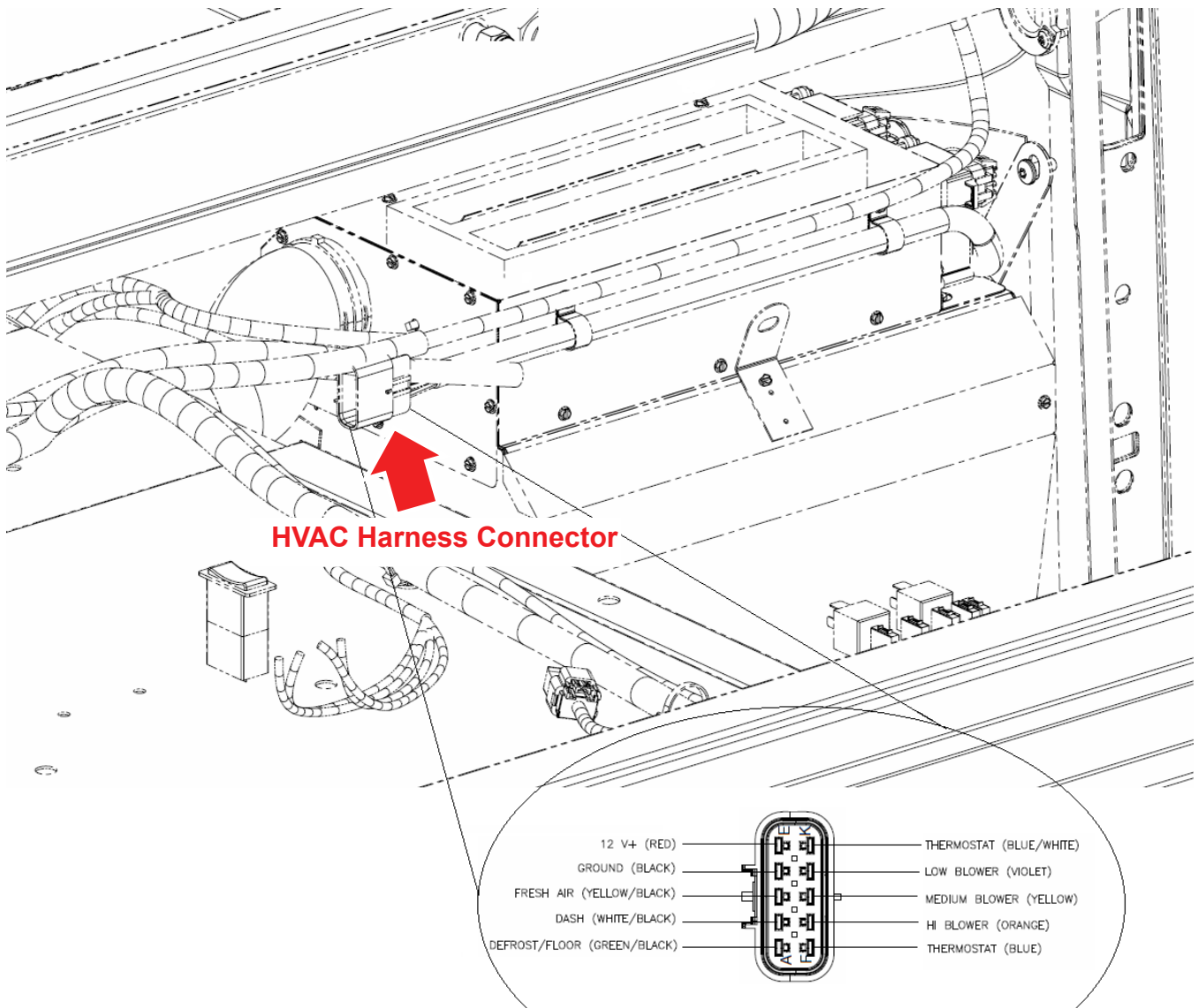


Figure 2