SAFETY RECALL BULLETIN

NHTSA RECALL 18V-165, Transport Canada 2018-131

AUTOCAR, LLC SAFETY RECALL ACX-1801

April, 2018

Attention:

Service Managers/Parts Managers

Subject:

Autocar has determined that a safety defect may exists in the routing of the methane detector sensor harness and/or the circuit detector fuse on 2014-2018 Xpeditor vehicles which could lead to an overcurrent condition.

Safety Recall Information:

This document provides work instructions to inspect, replace and/or repair the methane detector circuit.

Vehicles Affected:

There are 1,320 units manufactured after May 16, 2013. To determine if a vehicle is affected by this recall, log in to the Autocar Warranty Management System at www.autocartruck.com. Click on the blue "Warranty Management" diamond on the right hand side of the page. From the main menu, select "View Recalls/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 "Recall/Service Program Information" section to determine if the recall is open.

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) 3 AMP ATC Fuse (If required, obtain locally)

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
36406-2-02	1.0 HR	Methane detector circuit repair

Autocar, LLC
551 South Washington Street
Hagerstown, IN 47346
877-973-3486

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 NGVAmerica'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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REPAIR PROCEDURE:

1. Raise the cab in accordance with the following safety precautions and procedures.

WARNING

Due to the danger of sustaining personal injury and/or damage to the vehicle, never attempt to raise the cab outdoors under extremely windy conditions. The strong wind conditions could force the cab beyond the normal limits of its travel.

WARNING

Remove or secure all loose articles and close all doors before raising the cab. The area above and ahead of the cab must be clear from obstructions. Place front wheels in a straight ahead position.

Remove the pump handle from its storage on the inside of the cab near the driver or passenger seat.

Place the selector lever on the hydraulic pump in the RAISE position. Insert the pump handle into the pump and operate the handle in an up and down motion. The hydraulic cab latches will open, then the hydraulic cylinders will lift the cab until the midpoint (top) is reached.

Once the cab has reached its midpoint the cab will move forward to the fully open position. The safety pin in the cab tilt lock device must be installed when the holes line up in the sliding bar.

Remove the pump handle when not in use. It may stick out and could cause injury to passersby.

2. In the engine tunnel area of the raised cab, inspect the methane detector sensor harness *(see Figure 1 and Figure 2)*.

Figure 1, Cab in the raised position

Figure 2, Methane detector sensor harness (undamaged)

If no damage is found, proceed to Step 3.

If damage is found to the methane detector sensor harness, contact Autocar technical support at 888-218-3611 for assistance with repair.
(see Figure 3 and Figure 4).

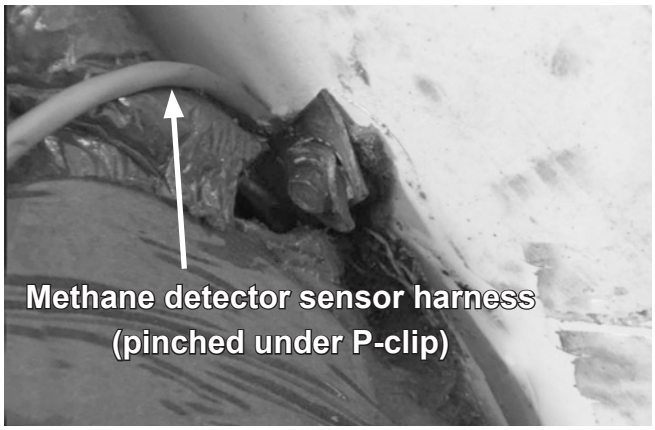

Figure 3, Methane detector sensor harness (damaged)

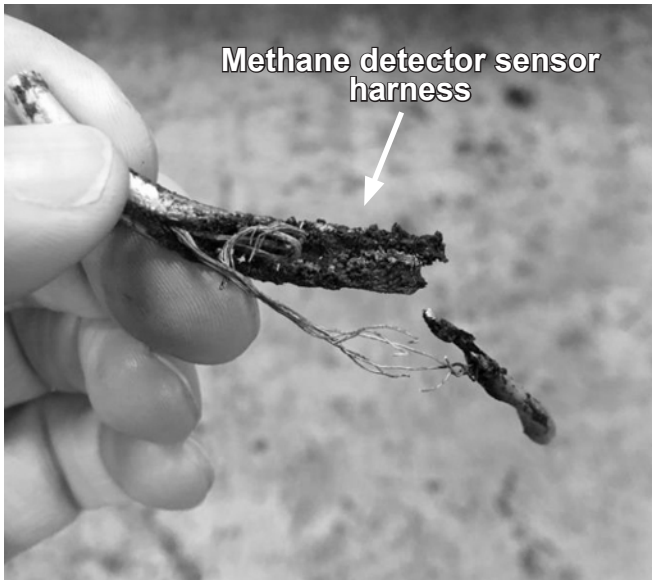

Figure 4, Methane detector sensor harness (damaged)

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3. Locate the battery box and remove the battery box cover and place aside for reinstallation *(see Figure 5)*.

Figure 5, Battery Box

4. Locate the methane detector power harness in-line fuse holder *(see Figure 6)*.

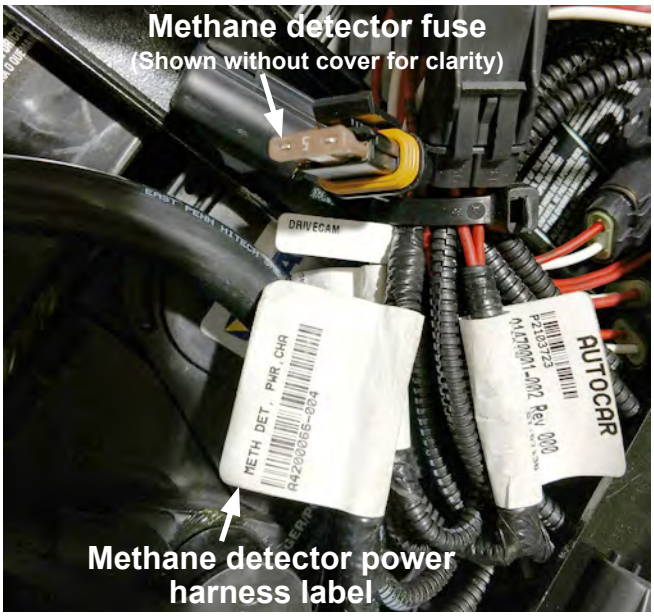

Figure 6, Methane detector fuse

5. Remove the in-line fuse holder cover and set aside for reinstallation and remove the existing fuse from the methane detector power harness in-line fuse holder and discard.
6. Install the new 3 AMP ATC fuse into the methane detector power harness in-line fuse holder and reinstall the in-line fuse holder cover that was set aside in step 5.
7. Reinstall the battery box cover that was placed aside in Step 3.
8. Lower the cab.
9. Perform a functional test of the methane detector (self-test).

   If the self-test passes:
   Repairs are complete.

   If the self-test fails:
   Contact Autocar technical support at 888-218-3611 for assistance.