



SAFETY RECALL BULLETIN

NHTSA RECALL 21V149

AUTOCAR, LLC SAFETY RECALL DC-2102

May 2022

ATTENTION:

Service Managers / Parts Managers.

SUBJECT:

Autocar, LLC has determined that a defect which relates to motor vehicle safety exists on certain DC chassis, the steering column tilt control cable may contact the steering shaft.

SAFETY RECALL INFORMATION:

This recall program provides information regarding the routing and securing of the tilt column cable and replacement of the steering wheel.

VEHICLES AFFECTED:

There are 60, 2020-2021 model year Legend (DC) chassis manufactured between June 13, 2019, and September 30, 2020, with non-sequential serial numbers between 230891 and 234451. To determine if a vehicle is affected by this Recall, log in to the Autocar Warranty Management System at www.autocartruck.com. From the main menu, select "View Recalls/Service Programs" and look for the Autocar Recall number above. A spreadsheet 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 Autocar Warranty Management System. 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.



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REQUIRED PARTS:

Due to design options, there are vehicle specific parts kits associated with this recall repair. Your Autocar warranty professional will determine the exact parts kit required for your vehicle.

TO OBTAIN PARTS:

DO NOT submit a Solutions ticket. Verify that you have authorization from the customer to perform this work and send an e-mail to: warranty@autocartruck.com.

Include:

1. VIN(s) (or) (last 6 digits of the VIN(s))
2. Attention To Name
3. Ship To Address

CLAIMS FOR REIMBURSEMENT:

Submit a claim for reimbursement in accordance with Autocar's Warranty Administration Manual with the following claim coding information:

CLAIM CODING INFORMATION:

Repair Number (Op Code)	Time Allowance (SRT)	Description
64116-2-01	2.00 HR	Tilt Column

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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.



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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.

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*.



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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.

Truck owners are required to complete all necessary 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 are any question as to proper decommissioning of a cylinder, contact the manufacturer, whose name and address is also required to be on the label.

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*.

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LOCKOUT/TAGOUT PROCEDURES:



CAUTION

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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Steering Wheel Hub Replacement

1. Follow all lockout/tagout procedures and verify the battery disconnect switch is in the “OFF” position. If the unit is not equipped with a battery disconnect switch, disconnect the battery cables beginning with the negative cables, followed by the positive cables.
2. Unlock and open both doors.
3. Remove the horn button from the steering wheel, disconnect the terminal from the button and set aside for reinstallation (see *Figure 1*).
4. Remove the steering wheel nut and discard (see *Figure 1*).
5. Using a steering wheel puller, remove the steering wheel and discard (see *Figure 1*).

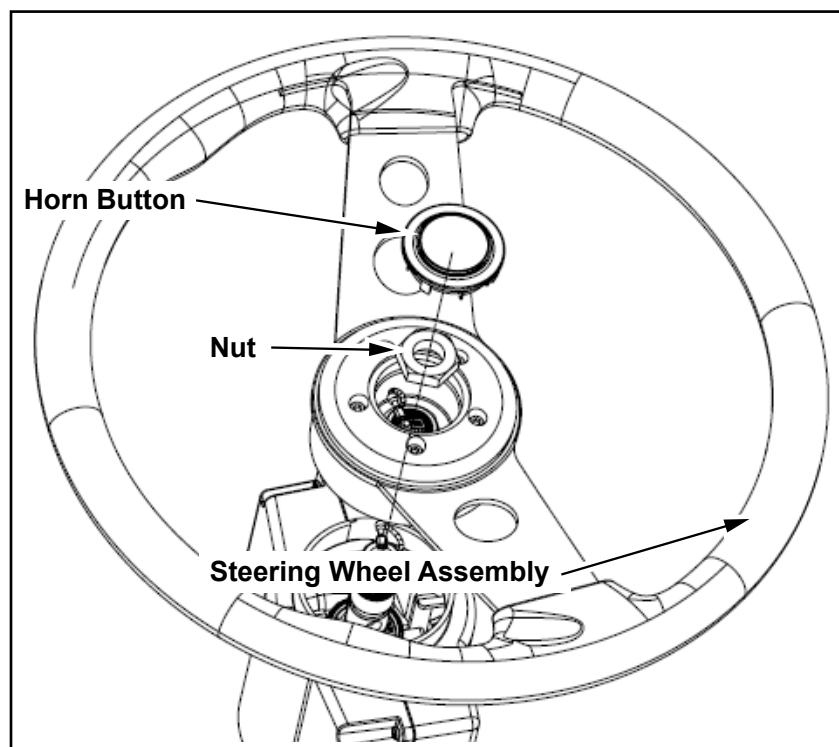


Figure 1

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6. Remove the (7) screws securing the upper and lower covers to the steering column and set aside for reinstallation. Remove the upper and lower covers and set all components aside for reinstallation (see *Figure 2*).

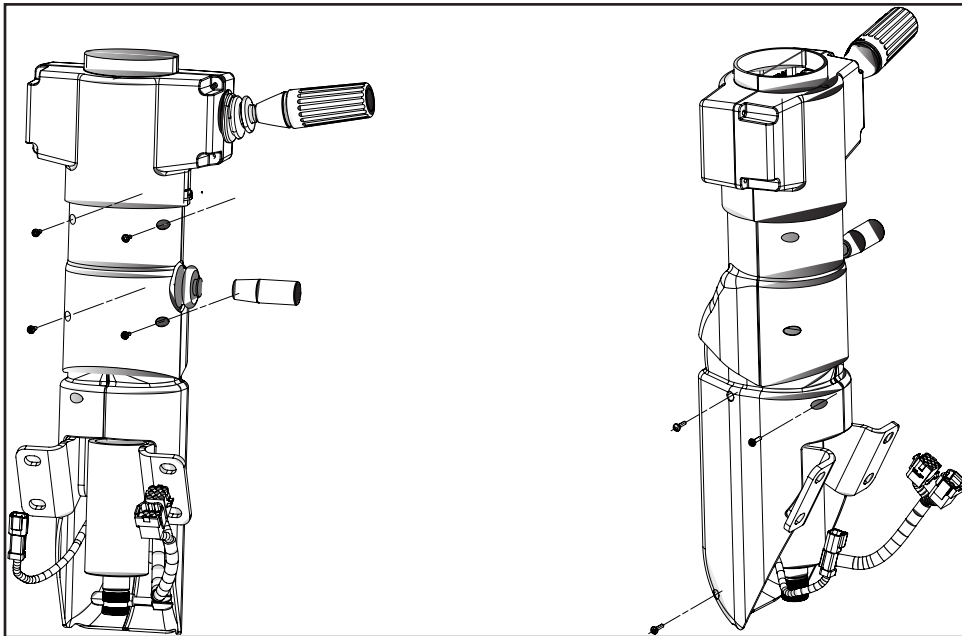


Figure 2

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4. Locate the end of the horn wire, cut off the connector and discard (see *Figure 3*).

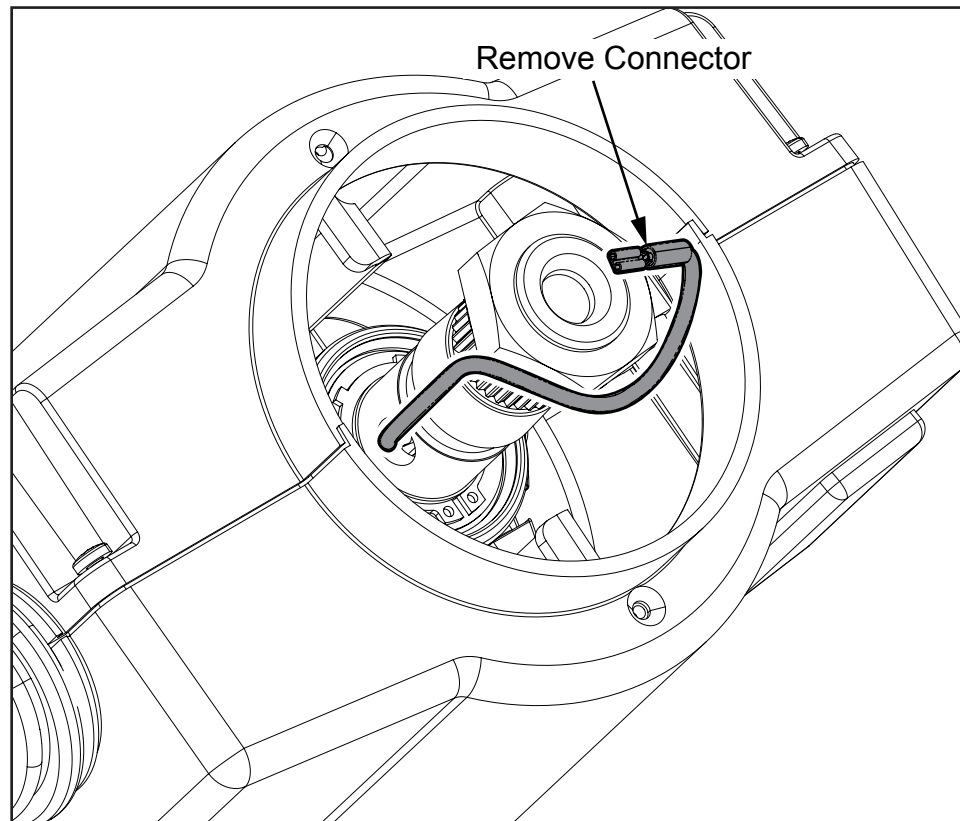


Figure 3

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5. Reroute the horn wire through the center of the steering column shaft. Using a crimping tool, Install (1) S3800001-001 connector to the end of the horn wire (see Figure 4).

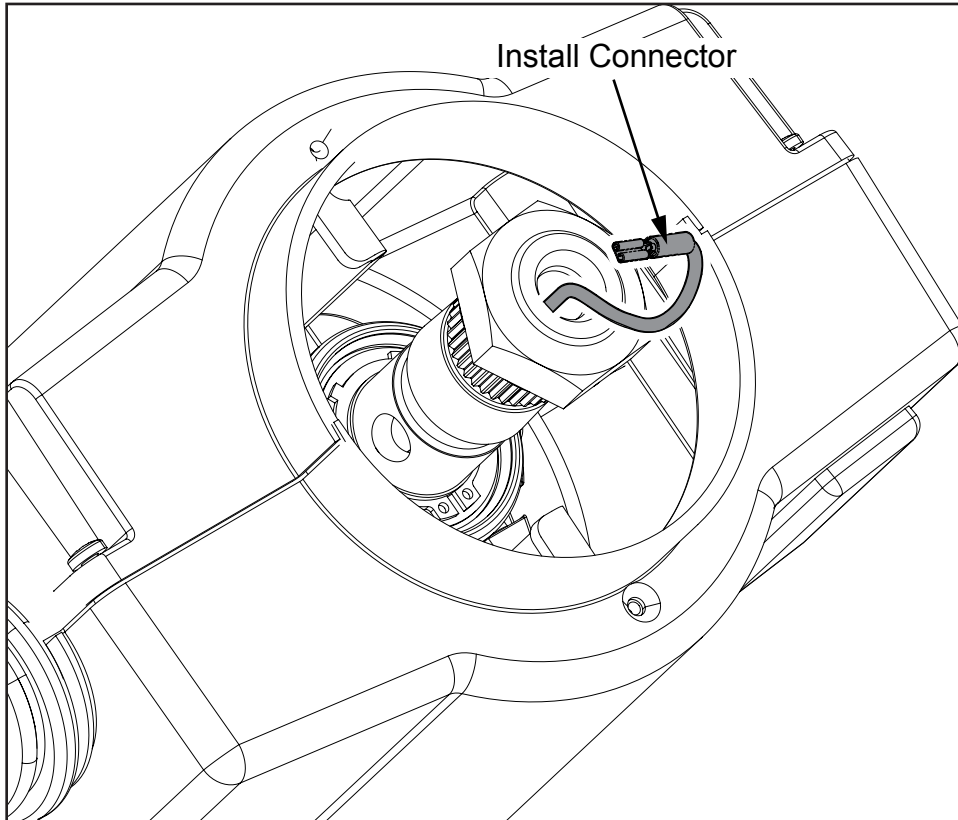


Figure 4

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6. Verify that the tilt column cable is installed correctly. The cable must be secured at the shaft housing and in front of the boss on the cover panel, **NOT BEHIND**. Verify the routing of the cable does not allow the cable to come in contact with the yoke (see Figure 5).

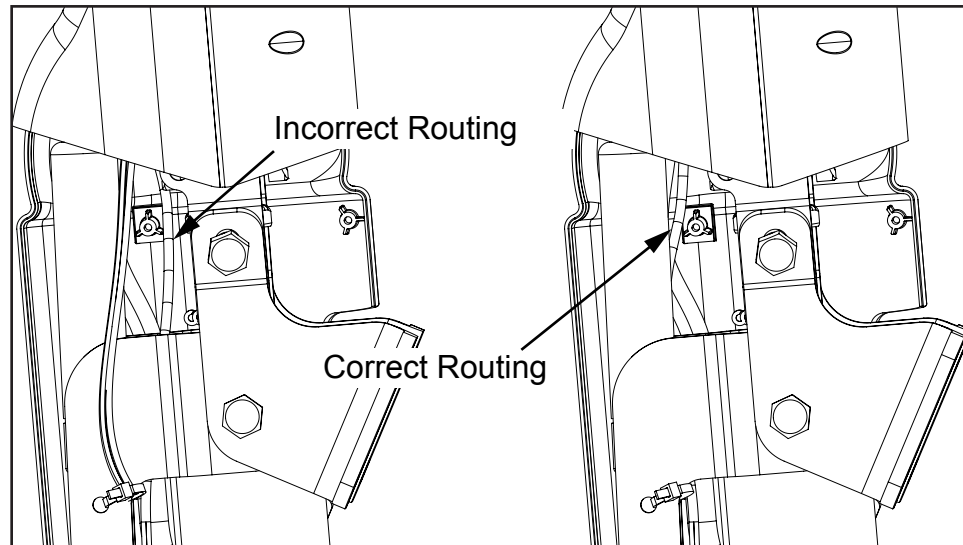


Figure 5

7. Using (1) 948210 Cable tie, secure the tilt cable as shown (see Figure 6).

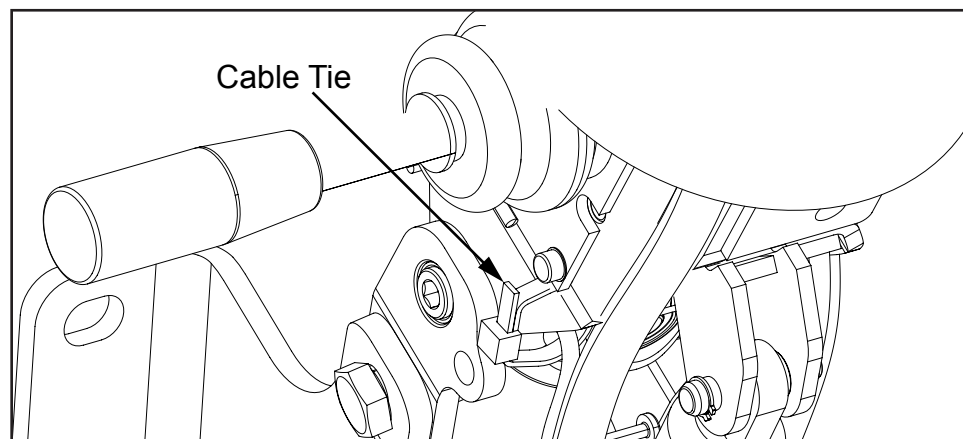


Figure 6

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8. Reinstall the upper and lower covers set aside in step 6.
9. Install the supplied steering wheel onto the steering column shaft using (1) GZ040066-001 steering column nut and tighten to 35 Lb-ft of torque (*see Figure 1*).
10. Connect the wire to the horn button and install the horn button (*see Figure 1*).
11. Turn on the battery disconnect switch or reconnect the battery cables beginning with the positive cables followed by the negative cables.
12. Perform a functional test of the steering wheel horn button.
13. Repairs are complete.

Note: *If you have questions or concerns regarding this recall, please contact Autocar Technical Support at 888-218-3611.*