



Solution K07192247

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**** SOLUTION ****

Title Driveline Noise, Suspension Ride Height Too High, Suspension Will Not Exhaust - **Chassis Built 2016w01 And Newer**

Mack Models

Mack Model LEU , LR , MRU - TerraPro , TE - TerraPro , AN - Anthem , CHU - Pinnacle, Axle back , CXU - Pinnacle, Axle front , GR - Granite , GU - Granite , PI - Pinnacle , TD - Titan

Volvo Models

Volvo Model VNL , VNM , VNR , VNX , VAH , VHD , VT

**** SOLUTION ****

Cause Chassis built in 2016w01 and newer may experience instances where the suspension does not exhaust, resulting in the vehicle maintaining a high ride height in the rear and/or noise from the driveline or the carrier due to high pinion angles.

Solution The symptoms above may be caused by accumulation of debris in the exhaust port of the Barksdale leveling valve (corrosion, road salt, dirt, etc). The exhaust port allows air to be exhausted from the suspension system to maintain a level ride height.

Repair

1. Verify the unit is equipped with a Barksdale leveling valve and that it is clogged.



- 2. Replace the clogged Barksdale leveling valve.
- 3. Using the parts indicated below, create a 90 degree bend out of the exhaust port.

Part Number	Description	Image
991082	Nipple	
991965	Elbow	



- Install the nipple, fitting [991082](#) into the exhaust port.
- Attach the 90 degree fitting [991965](#).
- Insert 8" of 3/8" tubing in to the 90 degree fitting and direct it to the rear

Function(s)/component(s) affected

Function affected Air System , suspension

Function Group

Function Group 5633 Valves, Other

Customer effect

Main customer effect road behaviour , visual appearance

Noise whine

Administration

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