Solution K12193443
Monday, March 23, 2020 1:16:40 PM CET

** SOLUTION **

Title	Mack Chassis - Rear Drive Transverse Torque Rod Bracket Failure; Torque Rod Bracket Broken/Studs Broken On Rear Carrier

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

** SOLUTION **

Cause

Vehicles meeting the criteria for this solution may experience failure of the rear drive transverse torque rod bracket. An example is shown below:

This issue was found to have begun following the introduction of a newer lightweight bracket for the torque rod. Failure occurs after the studs loosen on the rear of the carrier, or when the bracket does not sit flat on the carrier. This pushes the load in to the torque rod bracket.

At this time the issue is still under investigation. This solution will be updated when more information is available.

Solution

If a vehicle has experienced a failure as described in the section above:

Inspection

1. Check the part number of the bracket currently installed.

- The affected bracket part number is 22539545. It is also possible that this issue can be encountered with part 21593018.

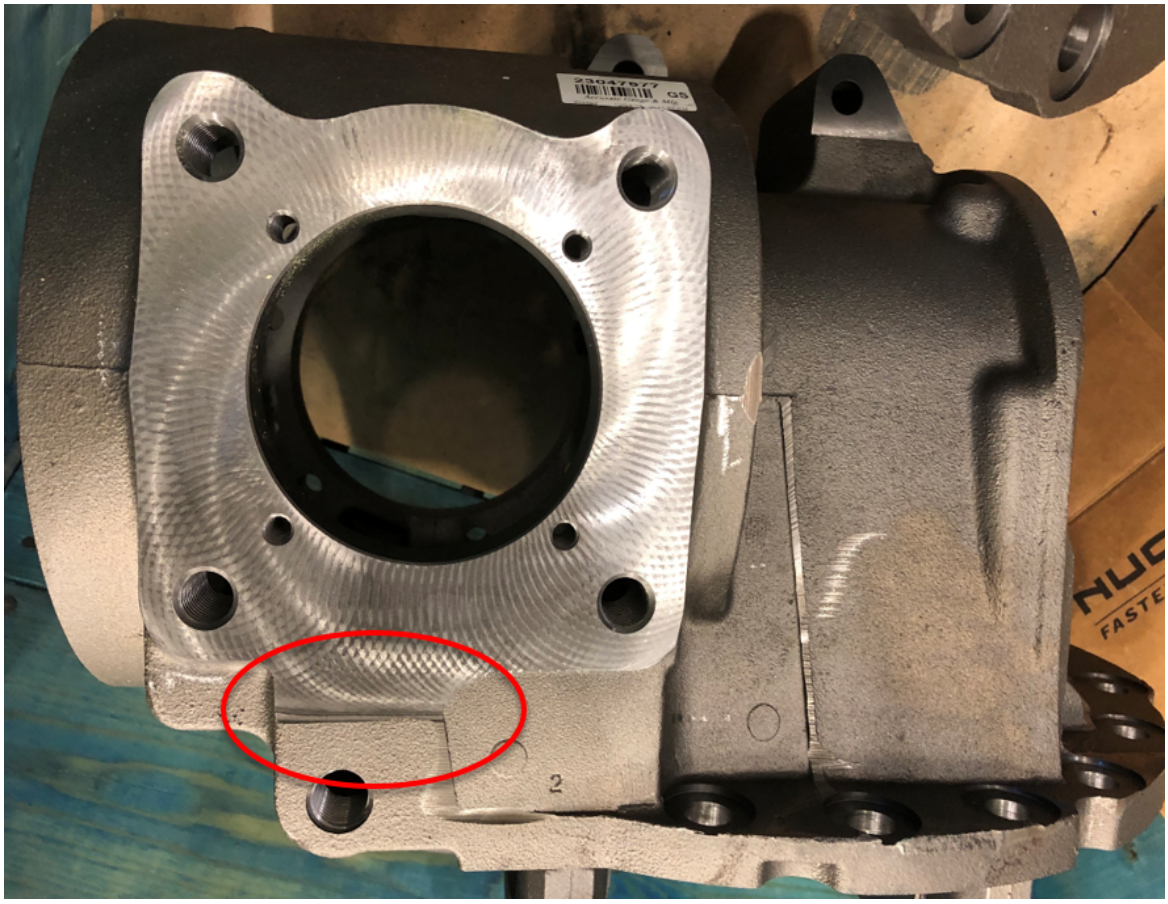
- **NOTE:** Multiple previous part numbers supersede to the numbers above. The part number should be obtained from the bracket itself.

2. Check to see if the torque rod bracket is seated flush against the carrier housing.

Repair

If the bracket is found to not be flush with the carrier housing follow the steps below:

1. Inspect for a raised boss area on the carrier. An affected area is circled in the picture below:

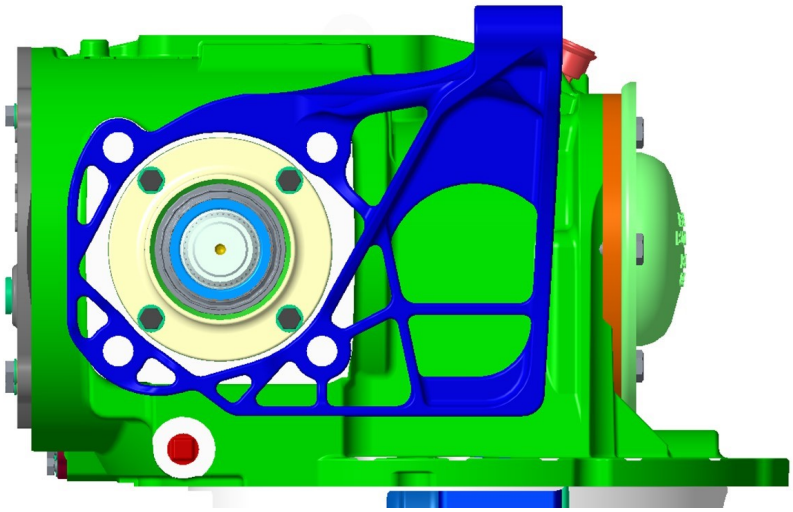


2. Remove the studs from the housing.

3. Grind the raised area smooth to match the flat surface for the bracket. Be careful to grind the area smooth so no cracks form.

4. Clean and re-install the studs with Loctite 263. **Torque to 225-275 lb-ft (305-373 Nm)**.

Bracket 22539545



Solution visibility	Dealer distribution

Function(s)/component(s) affected

Function affected	suspension mounting bracket

Function Group

Function Group	46 front axle; rear axle; drive shaft

Administration

Author	UT7584V
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