

**** SOLUTION ****

Title Mack Chassis - **Granite Models (GU, GR)** - Revised Fan Ring Design; Engine Cooling Fan Ring Cracked At Welds - **Model Years 2016 To 2020**

Mack Models

Mack Model GR - Granite , GU - Granite

Emission Standard

Emission Standard US14+OBD15 , US14+OBD16 , US17 , US17+OBD16 , US17+OBD18

Engine family

Engine family MP7 , MP8

**** SOLUTION ****

Cause The engine cooling fan ring on Granite chassis built during model years 2016 through early 2020 may crack at its welds.

Analysis has revealed that the symptom occurs due to a lack of contact between the rubber seal attached to the fan ring and the fan shroud. This can lead to increased vibration of the fan ring, as the rubber seal serves as a vibration dampener as well as airflow direction.

Solution

Affected date ranges: 2 June 2014 (W1423) - 24 June 2019 (W1921)

A new fan ring design has been released to address the vibration. The revised fan rings have been designed with a larger rubber seal that contacts the fan shroud and is able to effectively dampen vibration of the ring.

Part numbers for the new fan ring design can be found below:

Old Part Number	New Part Number	Description
22516648	23496866	Fan Ring for 710 Millimeter fan
22516651	23496867	Fan Ring for 750 Millimeter fan

Internal comments (BO) Projected release date of 3/11/19

Solution visibility **Dealer distribution**

Function(s)/component(s) affected

Function affected engine cooling fan

Function Group

Function Group 263 fan, fan shroud and clutch

Customer effect

Main customer effect	vibration , visual appearance
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Visual appearance	crack/fracture
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Conditions

Frequency of occurrence of problem	random
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Administration

Author	RU4467V
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Dealer ID	RU4467V
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Last modified by	A241298
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