Mack Chassis - Equipped with An Automated Manual Transmission (AMT, mDrive) - SNM 19 - 002 - AMT Oil Filter Housing Corrosion

Internal Content

For more information refer to SNM 19 - 002 - AMT Oil Filter Housing Corrosion.

Tags mack

Related links and attachments

KC-348 SNM 19-002

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To: General Managers
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Region: ☒U.S. ☒CAN

Bulletin: SNM19-002
Date: January 28, 2019
Valid to: N/A
Action Required? ☐Yes ☒No

From: Greg Holderfield – Director, Technical Support
Subject: AMT Oil filter Housing Corrosion

AMT oil filter housing corrosion

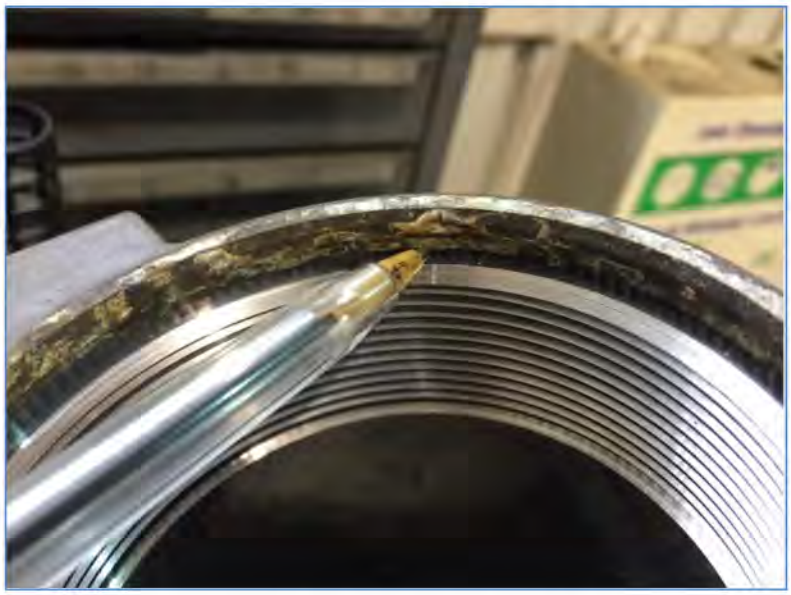
The AMT gearbox oil filter housing has been found to develop debris buildup or corrosion on the filter cover flange.

Failure to inspect and properly clean this area during a filter change can lead to a sealing ring failure during installation of the cap that may not be found during the oil change. The subsequent oil leak can lead to catastrophic gearbox failure due to loss of oil if not detected and corrected.



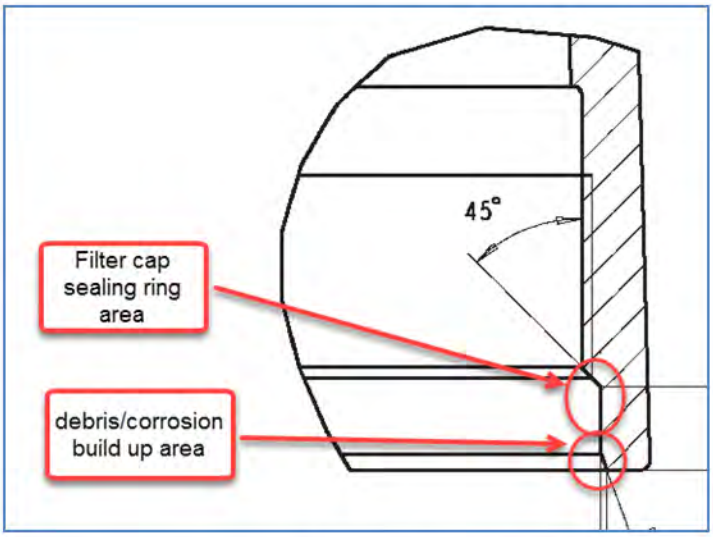


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If you detect corrosion on the location shown above do not attempt to clean or reuse this housing. The corrosion is harder than the aluminum. This housing must be replaced.

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Inspection and cleaning of the sealing surface for the cap o-ring is important to avoid this damage. When cleaning is required DO NOT use power tools or grinders to clean the sealing area as this can damage the housing beyond repair. Gently scrape by hand or use abrasive paper to clean the area. If the area cannot be reliably cleaned or there is damage to the sealing surface for the o-ring, the housing must be replaced.



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Filter housings that show normal dirt build up (left image) can be cleaned with a Scotchbrite pad or equal. Some residual staining of the aluminum housing (right image) may still be present after cleaning. Clean the threads and sealing surfaces before reassembly. Apply a small amount of silicone grease that meets the specification below on the o-ring, filter housing sealing area and the cap flange below the o-ring prior to assembly to help seal out moisture and dirt. There must be enough grease present to allow squeeze-out under the flange so the dirt and moisture is sealed out of the area of concern. Clean the filter cap of any excess grease squeeze-out after assembly to prevent giving false impression of a leak.

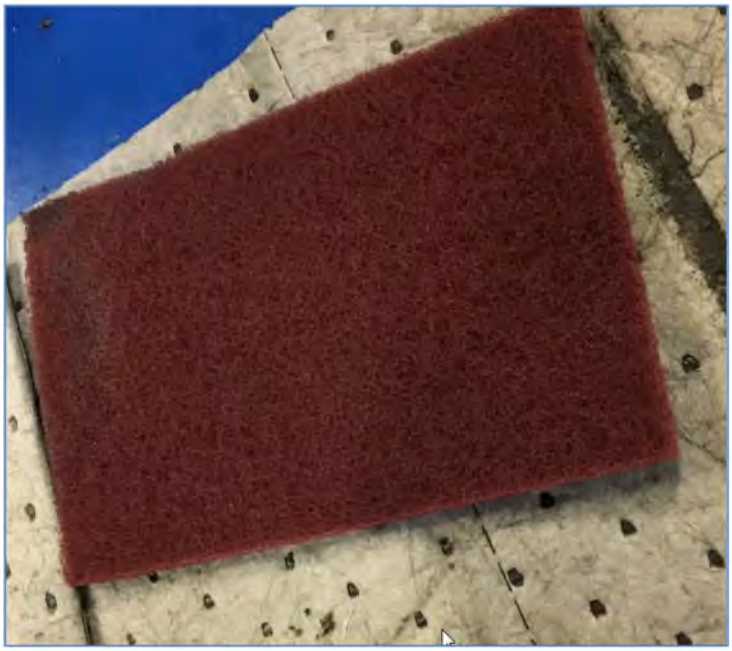


Silicone grease

Base	Silicone
Consistency	NLGI 2
Thickener	Lithium soap
Temperature range	-70°C to +160°C

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Approved cleaning pad red or green Scotchbrite pad or equal.



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