

No.: 15 TS-14
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TO: Service Locations

FROM: Service Systems Development

SUBJECT: **GHG14 DD Engine Cylinder Liner Seal Replacement**

ISSUE

Improper diagnostic methods are leading to the unnecessary replacement of cylinder liner seals for external coolant leaks on GHG14 engines.

REQUIRED ACTION



WARNING: PERSONAL INJURY

To avoid injury, never remove any engine component while the engine is running.



WARNING: PERSONAL INJURY

To avoid injury from hot surfaces, wear protective gloves, or allow engine to cool before removing any component.

If there is a verified external coolant leak *between* the cylinder head and the cylinder block on a DD engine, the cylinder head must be removed for continued diagnostics. See Figure 1 below.



Figure 1 External coolant leak between the cylinder head and the cylinder block

Once the cylinder head has been removed, the cylinder head gasket must be inspected for de-bonded or folded grommets at the cooling passages. See Figure 2 below.



Figure 2 Example of a failed cooling passage grommet on the cylinder head gasket

If the head gasket is found to be failed, no further repairs are necessary beyond the head gasket. There is no reason to remove the cylinder liners and replace the liner seals. Removing the cylinder liners adds unnecessary cost and customer downtime.

Notice:

Warranty claims for GHG14 cylinder liner seal replacement with failed head gasket coolant grommets may be reduced or partially charged back as over repair.

EPA07 and EPA10 DD engines could experience higher mileage upper cylinder liner seal leakage due to liner seal degradation. GHG14 engines had a material change to correct the seal degradation issue and this eliminated cylinder liner seal failure in the upper location.

CONTACT INFORMATION

Please contact the Detroit Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.