



DAIMLER TRUCK NORTH AMERICA AFTERMARKET

No.: 24CSA-17
September 2024

TO: Service Locations
FROM: Service Engineering
SUBJECT: **Gen 5 DD13 Turbocharger Oil Return Line Cracks**

ISSUE

Some DD13 Gen 5 turbocharger oil return lines have cracked, causing an oil leak. Engineering is requesting additional steps and the return of replaced parts to aid with understanding the root cause. If completed, please return the parts directly to DDC. This process is only to be performed until January 1, 2025, and only when the customer approves of the additional repair time that may occur.



Example of a broken turbo oil return line



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REQUIRED ACTION

In addition to the cracked return line, please return the turbo mounting bracket, support bracket, and all associated bolts. See instructions below.

1. With a paint marker, number the six bolts for the turbo mounting brackets, as shown in the diagram below when applicable.
2. Follow section 'Removal of the Turbocharger' in the DD13 Gen 5 Workshop manual for instructions on removing the turbo mounting bracket and support bracket.

Note: Due to clearance, bolt #4 needs to be removed with a wrench and torqued with a crowfoot socket.

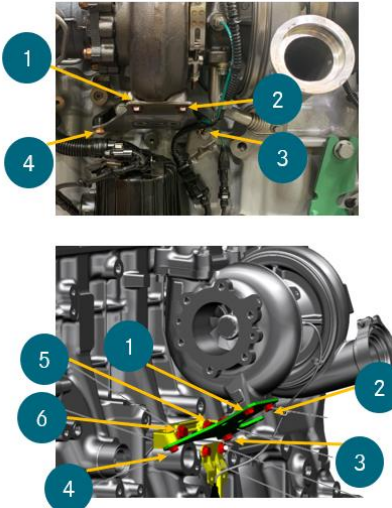
3. When removing the bolts, note the break-away torque in NM and document the values in the boxes below.

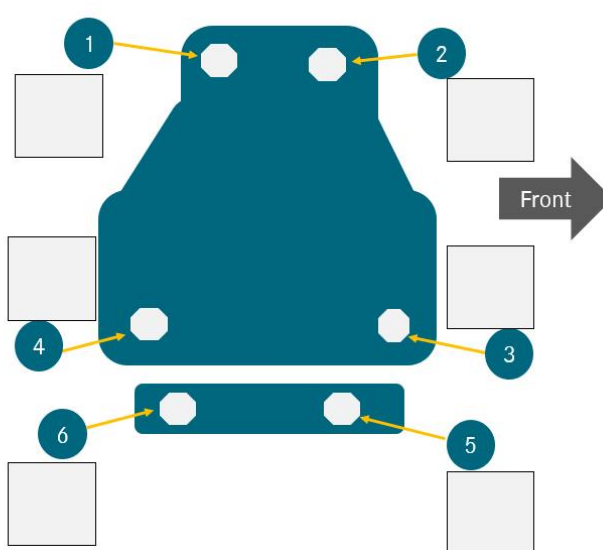
Example for reference only:

- Bolts 1, 2, 3, 4 torque = 30 N·m.
- Bolts 5, 6 Torque = 60 N·m.

4. If the torque is too low and no reading was measured put 'L' in the box.
5. If the bolt is missing put 'M' in the box.
6. Return the completed document with the parts.

Last Six of the VIN: _____





7. Follow the section 'Installation of the Turbocharger Mounting Bracket'.
8. Follow the section 'Installation of the Turbocharger Oil Return Line'.



Parts required:

Part Description	Part Number	Quantity
Turbocharger Mounting Bracket	DDE A4710960842	1
Bolt, Turbocharger Mounting Bracket	DDE N910105010007	2
Turbocharger Support Bracket	DDE A4710906341	1
Bolt, Turbocharger Support Bracket	DDE A0119902301	4
O-Ring, Turbocharger Oil Return Line	DDE A0309974645	1
Gasket, Turbocharger Oil Return Line	DDE A5411870080	1
Oil Return Line, Turbocharger	DDE A4711803520	1

9. Once the repair is completed, please return directly to Detroit Diesel.

Detroit Diesel Corporation
 12200 Telegraph Road
 Redford, Michigan 48239
 Attention: Return Material Room
 DDC UPS Account No. E49591

1st Option:

Create a label using the above information.
 Please include the worksheet above with the components replaced.

2nd Option:

Email DRMC@daimlertruck.com with the following information:

- Repairing outlet address
- Dimensions: Length in. by Width in. by Height in.
- Weight of the box in pounds

The Detroit Return Material Center team will reply with a label for the components.
 Please include the worksheet above with the components replaced.

3rd Option:

Follow the normal warranty return process.
 Please include the worksheet above with the components replaced.



CLAIM PROCESS

Normal in-warranty procedures apply. Proactive removal of properly functioning parts is not allowed under warranty.

Primary Failed Part (PFP):	DDE A4711803520	TUBE - OIL DRAIN, TURBOCHARGER
Component Code/VMRS	043-004-104	TUBE - OIL DRAIN, TURBOCHARGER
SRT	11A-6506B	TURBOCHARGER OIL RETURN LINE WITH BRACKET, R/R, WITH STEAM CLEAN AND REPAIR VALIDATION

CONTACT INFORMATION

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