



SI B11 15 16
Engine

August 2016
Technical Service

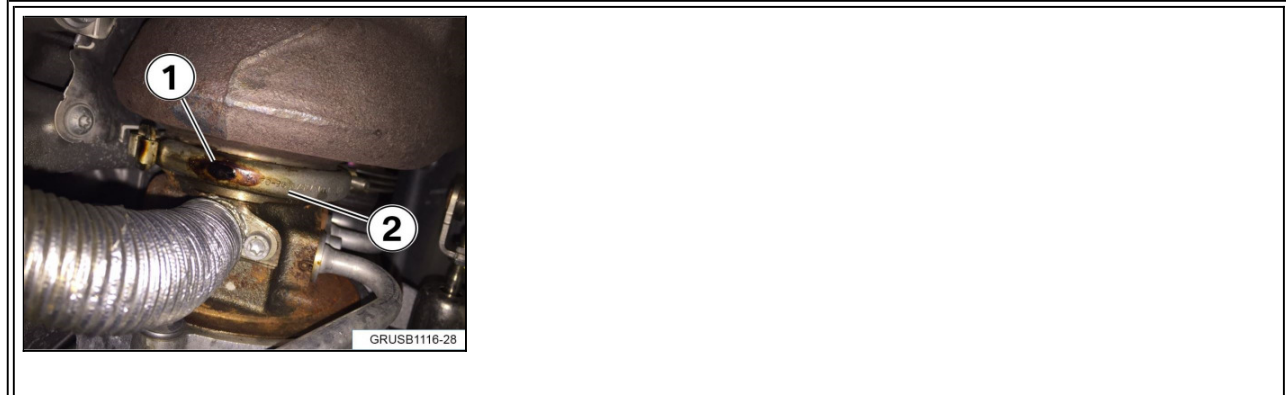
B58 ENGINE: OIL LEAK FROM TURBOCHARGER

MODEL

F30 (3 Series Sedan)	F32 (4 Series Coupe)	F33 (4 Series Convertible)	G12 (7 Series)
With B58M engine			

SITUATION

Engine oil (1) can be seen leaking from the bottom of the turbocharger near the band clamp (2).



CAUSE

The turbocharger band clamp is loose.

CORRECTION

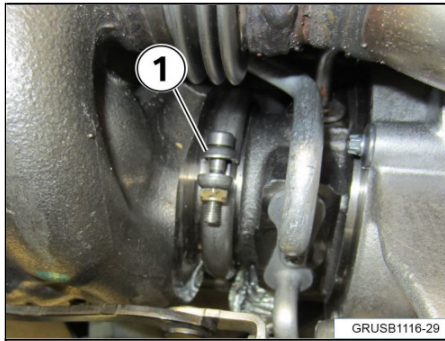
Tighten the turbocharger band clamp.

PROCEDURE



Warning: Hot surfaces. Risk of burns. Only perform work on cooled components.

1. Remove the under body cover as per repair instruction 51 47 490 "Removing and installing/replacing underbody protection"
2. Inspect the oil supply and return lines for leakage, if not leaking continue with this procedure.



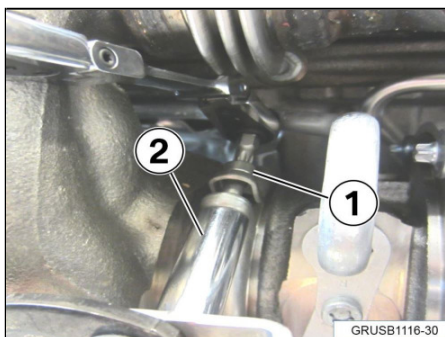
3. Remove the air filter box and locate the band clamp fastener (1).

You will need the following tools:

- 10 mm socket
- Torque wrench capable of 8.5 Nm
- T30 bit and a suitable holding tool. See next photo



4. Use a suitable tool to hold the T30 side of the band clamp fastener.



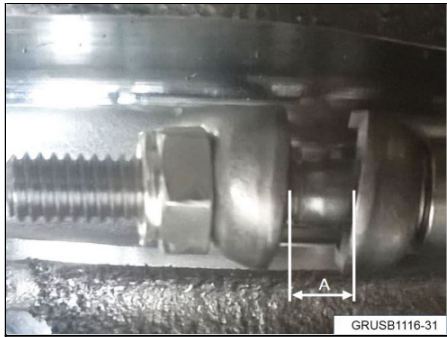
5. Hold the T30 stationary (1) and torque the 10 mm nut (2) to 8.5 Nm.

6. When the torque procedure is complete, measure the gap in the band clamp. The gap should **NOT** be less than 0.5 mm.

A = > 0.5 mm

If the clamp gap is less than 0.5 mm then the turbocharger will need replacement.

Turbocharger replacement requires TC Authorization.



Clean the engine oil residue with a suitable solvent and wipe it dry with a shop towel. Always wear eye and skin protection.

Reassemble the vehicle.

7. If the engine oil leak is not resolved then the complete turbocharger will need to be replaced.

Turbocharger replacement requires TC Authorization.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	11 65 90 48 00	
Labor Operation:	Labor Allowance:	Description:
00 64 140	Refer to KSD2	Torque the band clamp fastener (Main work)
Or:		
00 64 663	Refer to KSD2	Torque the band clamp fastener (Plus work – Vehicle is already in the workshop)

Or:

Labor Operation:	Labor Allowance:	Description:
00 64 141	Refer to KSD2	Torque the band clamp fastener and replace the turbocharger (Main work)
Or:		
00 64 664	Refer to KSD2	Torque the band clamp fastener and replace the turbocharger (Plus work – Vehicle is already in the workshop)

And, if necessary:

Sublet – Bulk Materials

<p>Sublet Code 4</p>	<p>See sublet reimbursement calculation below</p>	<p>Reimbursement for the repair-related bulk materials (BMW part number(s), please do not use the part numbers for claim submission)</p>
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Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (BMW part numbers) is at dealer net plus your center’s handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

Overlapping Labor – Other Repairs

If invoicing KSD2 flat rate labor operation codes for other repair work results in overlapping labor, invoice work time (WT) labor operation 00 50 000 instead for the additional labor time needed (FRUs minus the overlapping labor).

Work time labor operation code 00 50 000 is not considered a Main labor operation.

Eligible other repair work that will be claimed under a difference defect code using this labor operation requires a separate punch time.

On the repair order and in the claim comment section, please identify the labor operations labor operation code(s) “00 50 000” replaces and itemize the claimed FRU amount.

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