



Diesel Engine: Intake Manifold Damaged

This Service Information bulletin supersedes SI 11 07 16 dated May 2016.

MODEL

F02 (740Ld xDrive)	F10 (535d Sedan and 535d xDrive Sedan)	F15 (X5 xDrive35d)	With the N57T diesel engine
F25 (X3 xDrive28d)	F30 (328d Sedan and 328d xDrive Sedan)	F31 (328d xDrive Sports Wagon)	With the N47T diesel engine

SITUATION

The Service Engine Soon light is on.

There may also be:

- Complaints of lack of engine performance
- An exhaust smell coming from the engine area.

The following fault codes may be stored in the DDE:

- 24CE00 - Hot film air mass meter: Ratio of measured to calculated air mass too high
- 27F000 - Charge air hose monitoring in idle: Charge air hose fallen down
- 290900 - Air system, air to EGR air mass flow plausibility: Measured air mass compared to calculated air mass too high
- 290A00 - Air system, air to EGR air mass flow plausibility: measured air mass compared to calculated air mass too high and high charging pressure control deviation

CAUSE

1. Excessive thermal load from the EGR system on the intake components
2. An excessive or unmetered air leak in the intake/charge air system

CORRECTION

Eliminate air leak – multiple potential sources.

PROCEDURE

Follow one of the attached procedures:

UPDATE! For N57T engines - B110716N57T

Or:

UPDATE! For N47T engines - B110716N47T

PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK		

WARRANTY INFORMATION

This service information bulletin provides technical, diagnostic and/or repair-related information.

Eligible and Covered Work/Repairs

To submit a claim for the repair of a verified defect in materials or workmanship, please following the established and applicable warranty policy and procedures together with the using corresponding defect code and labor operations provided in the KSD2.

Defect Code:	Refer to KSD2	One or More as Applicable

Diagnosis

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as "Charging battery")
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments.

N57T and N47T: Summary of Possible Flat Rate Labor Operations

Labor Operation:	Labor Allowance:	Description:
11 61 551*	Refer to KSD2	Replace intake manifold
11 71 501	Refer to KSD2	Removing and inspecting/installing EGR valve
11 71 600	Refer to KSD2	Removing and inspecting/replacing EGR cooler
18 31 580	Refer to KSD2	Removing and inspecting/replacing Diesel particulate filter (DPF)
18 31 900	Refer to KSD2	Additional job while replacing particulate filter (Resetting adaptations values)

***F15 (X5 xDrive35d): Use 11 61 550 until labor operation 11 61 551 becomes available in KSD2.**

N57T only

Labor Operation:	Labor Allowance:	Description:
11 71 704	Refer to KSD2	Removing and inspecting/replacing high pressure auxiliary EGR cooler

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Overlapping Labor – Associated and/or Other Repairs

UPDATE! If invoicing the KSD2 flat rate labor operation codes for repair work performed 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.

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

Associated Repairs: When work time labor operation 00 50 000 is used as an extension of the specific repair, a separate defect code and punch time(s) are not required.

Other Repairs: When work time labor operation 00 50 000 is used for work that will be claimed under different defect code, separate punch time(s) are required.

ATTACHMENTS

View PDF attachment [B110716 N57T](#).

View PDF attachment [B110716 N47T](#).

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