



SIB 12 01 20

2020-03-17

## S58T ENGINE: FAULTS FOR TURBOCHARGER ELECTRIC WASTEGATE STORED IN THE DME

This Service Information Bulletin (Revision 1) replaces SI B12 01 20 **dated January 2020**.

### What's New (Specific text highlighted):

- Procedure changed
- Warranty information added

### MODEL

E-Series	Model Description	Production Date
F97	X3 M Sports Activity Vehicle	Produced up to March 2020
F98	X4 M Sports Activity Coupe	Produced up to March 2020

### SITUATION

The engine malfunction warning (MIL) is illuminated and one of the following fault codes is stored in the DME.

- 123518 - electrical wastegate valve 2, wastegate valve: stiff movement

And/or

- 120408 - charging pressure control: Switch-off as a secondary reaction

### CAUSE

The DME has an adaptation error when calculating the setpoint values of the two electric wastegates.

### PROCEDURE

Determine the vehicle's current I-level by either using AIR or the Key reader/ISPA NEXT application:

If the I-level is lower than S15A-20-03-510, then:

Reprogram the vehicle with ISTA 4.22.1X or higher (available March 2020). The target integration level will be S15A-20-03-510 or higher.

Always connect a BMW-approved battery charger/power supply ([SI B04 23 10](#)).

For information on programming and coding with ISTA, refer to CenterNet / TIS / Technical Documentation / Programming and Diagnostics / Programming Documentation

### WARRANTY INFORMATION

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open. The programming and encoding procedure may only be invoiced one time.

**Update the vehicle to the required I-level or higher by performing and submitting for one of the open Technical Campaigns instead. Please be sure to also perform any additional work (before and/or after) the campaign repairs require and/or close the remaining open programming and encoding Technical Campaign repairs as outlined in the corresponding Service Information Bulletin.**

Only if the above situation does not apply, the BMW software solution is then:

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks (including Emission coverage when applicable) or the BMW Certified Pre-Owned Program as described below.

<b>Defect Code:</b>	<b>1165298300</b>	<b>Electric wastegate valve actuator for exhaust turbocharger (incorrect or no switching)</b>
<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
61 21 528	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And:		
61 00 730	Programming/encoding control unit(s)	Refer to AIR

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

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

### **Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)**

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software I-level. If one or more control module failures occur during this programming procedure:

- Please claim this consequential control module-related repair work (including performing the IRAP Control Unit Recovery procedure first as required, refer to the SIB in AIR) under the defect code listed in this bulletin with the applicable AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section

For control module failures that occurred prior to performing this programming procedure:

- When covered under an applicable limited warranty, claim the applicable test plan and the corresponding control module-related repair work using the applicable defect code and labor operations in AIR (including diagnosis with separate punch times).

### **Other Repairs**

If other eligible and covered work is performed as a result of performing ISTA diagnostics and the related test plans, claim this work with the applicable defect code and the labor operations (including diagnosis) that are listed in AIR.