



SIB 12 02 21

2021-05-25

SERVICE ACTION: INSPECTION OF THE ELECTRONIC WASTEGATE ACTUATOR CONNECTOR

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

MODEL

E-Series	Model Description	Production Date	Affected Engine
G30	530e Sedan	February 22, 2017 to June 18, 2020	XB1H
G30	530e xDrive Sedan	February 23, 2017 to June 9, 2020	XB1H

SITUATION

Due to a software error, long charging times (10-12 hours) for the Plug-in Hybrid Electric Vehicle (PHEV) high-voltage battery may damage the internal printed circuit board and the electrical connection to the electronic wastegate actuator.

CAUSE

A software error in the Digital Motor Electronics (DME).

CORRECTION

Program the vehicle using **ISTA 4.29.1x** or higher (released **April 2021**).

Visually inspect the electronic wastegate actuator and electrical connector.

Repair or replace the damaged components as needed.

PROCEDURE

Determine the vehicle's current I-level by either using AIR or the ISPA Next application

1. Is the I-level lower than S15A-21-03-545?

If yes, proceed to step #2.

If no, proceed to step #3.

2. Program the vehicle using **ISTA 4.29.1x** or higher (released **April 2021**).

Model	Target Integration level
G30 (530e)	S15A-21-03-545 or higher

Note that ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

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

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

3. Disconnect and visually inspect the electric wastegate actuator's electrical pin connector.



4. If discoloration is visible on the connector as shown to the left, the electrical connector, pins, and the electronic wastegate actuator must be replaced.

PARTS INFORMATION

Only use, and invoice the part numbers below that apply.

Performing a part number look-up in ETK (EPC) by VIN or model in place of using/invoicing the following part numbers may result with the wrong part numbers being invoiced and installed, this could delay the payment of the claim.

Part Number	Description	Quantity
11 65 8660987	Wastegate valve controller	1 (as needed)
12 52 8517903	Socket housing	1 (as needed)
12 52 7848782	Protective cap	1 (as needed)
12 52 7545860	Bushing contact MCON 1.2 ELA	5 (as needed)
61 13 8366247	Strand sealing	5 (as needed)

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.

Select one of these open Technical Campaigns to perform and submit for updating the vehicle to the required I-level or higher.

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

As determined by the above, reimbursement for this Service Action will be via normal claim entry utilizing the work package information below that applies.

Defect Code:	0012540500	G30 PHEV Programming control unit (DME)
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Plus work	Completion before the first vehicle delivery to a customer or vehicle is already in the workshop for another repair (WP # 1, 3 and 4)	
Main work	The vehicle arrives at your center and this Service Action shows open (No other	

	Main work will be performed/claimed during this workshop visit) (WP # 2, 5 and 6)
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This the vehicle's I-Level is BELOW S15A-21-03-545 or Higher

Work Pkg	Labor Operation	Description	Labor Allowance
# 1	00 70 730	Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test) (Plus Work)	8 FRU
Or:	---	---	---
# 2	00 70 202	Programming and encoding the vehicle control units (includes providing support voltage for the vehicle electrical system and performing a vehicle test) (Main work)	10 FRU
And:	00 70 733	Checking the wastegate valve controller connector / no repair is necessary (Associated work)	6 FRU
Or:	00 70 734	Checking the connector / replacing the connector and wastegate valve controller (Associated work)	17 FRU

Or:

The vehicle's I-Level is at S15A-21-03-545 or higher through another campaign or repair performed during this SAME workshop visit.

Work Pkg	Labor Operation	Description (Plus/Associated work)	Labor Allowance
# 3	00 70 733	Checking the wastegate valve controller connector / no repair is necessary	6 FRU
Or:	---	---	---
# 4	00 70 734	Checking the connector / replacing the connector and wastegate valve controller	17 FRU

Or:

The vehicle's I-Level is at S15A-21-03-545 or higher through another campaign or repair that was performed PRIOR to this workshop visit and no other Main work will be claimed.

Work Pkg	Labor Operation	Description (Main/Associated work)	Labor Allowance
# 5	00 70 203	Checking the wastegate valve controller connector / no repair is necessary	8 FRU
Or:	---	---	---
# 6	00 70 204	Checking the connector / replacing the connector and wastegate valve controller	19 FRU

Only one Main work flat rate labor operation code can be claimed per workshop visit.

Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and the claim comments (For example: B12 02 21 WP 1), unless otherwise required by State law.

Programming and Encoding the 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 IRAP recovery procedure (when applicable as required)/repair work under the defect code listed in this bulletin with applicable AIR labor operations.

Please explain this additional work (The why and the 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).

As applicable to your center, please refer to [SI B01 01 20](#) or [B01 07 20](#) for claiming your diagnosis work time, job/repair work time (WT), RO/Claim WT and the repair-related explanation procedures, unless otherwise required by State law.

Note: After the completion of this Service Action, please refer to [SI B01 07 21](#) regarding the extended limited warranty coverage that applies to the turbocharger wastegate valve actuators on these vehicles.

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Please contact the Warranty department by either using the Live Chat that's available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections
Parts inquiries	Submit an IDS ticket to the Parts Department