	SI B62 06 18	July 2018
	Instruments	Technical Service

FUEL GAUGE INCORRECTLY DISPLAYING LOW FUEL LEVEL AFTER VEHICLE IS REFUELED

New information provided by this revision is preceded by this symbol **UPDATE!**.

This Service Information bulletin replaces SI B62 06 18 **dated May 2018**

What's New:

• Correction Section – Due to an ISTA SW release date change the ETA of the expected SW was delayed

MODEL

G01 (X3)	G02 (X4)	G12 (7 Series)	G30 (5 Series Sedan)
G32 (6 Series Gran Turismo)			

With SA06WB Multifunctional instrument display

SITUATION
Occasionally, on restart after refueling, the fuel gauge will display the fuel level as low (minimum) and the range display will be at an implausible (maximum) value.

The fault memory of the instrument cluster has stored fault code B7F70B "fuel level sensor implausible".

CAUSE
Software error in the instrument cluster

CORRECTION
UPDATE! Reprogram and encode the vehicle with ISTA 4.12.3x or a more recent version (availability expected 8/2018).

PROCEDURE
For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA, working through test module, if needed.

2. Check the current level of ISTA available.

    Is ISTA 4.12.3x or higher available?

    YES- go to Step 3.

    NO – reset the instrument cluster by removing power to the cluster by either:

• disconnecting fuses F31 and F61, or

• temporarily disconnecting the battery (perform power reset).

Note: Disconnecting power to the instrument cluster is only a temporary solution. The fault may

reoccur until the vehicle is reprogrammed using ISTA 4.12.1x or higher.

3. Program the vehicle using ISTA 4.12.3x or higher to the following I-level.

Model	Target integration level
GXX	**S15A-18-07-520** 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 (SIB04 23 10**).**

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

PARTS INFORMATION
Parts replacement will not provide a solution to this situation.

WARRANTY INFORMATION
Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	6211061800	
Labor Operation:	**Labor Allowance:**	**Description:**
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD 2 as Charging battery)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

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.

And, additionally for the:

e-Vehicles

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)

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 KSD2/AIR 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 section.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Vehicle Programming and Encoding

A. 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 under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

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

B. For control module failures that occurred "prior" to performing this programming procedure; and/or

C. Other work/repairs that results from performing ISTA diagnostics and the related test plans:

• When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in KSD2/AIR.

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