



## SCR SYSTEM FAULT 805256 STORED IN VERY COLD WEATHER

### MODEL

F10 (5 Series Sedan)	F15 ( X5 xDrive35d )	F30 (3 Series Sedan)	F31 (3 Series Sports Wagon)
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Produced up to 8/1/18 and equipped with the N47T or N57T diesel engine.

### SITUATION

After the vehicle is exposed to prolonged temperatures under  $-9^{\circ}\text{C}$  ( $15.8^{\circ}\text{F}$ ) and is then driven a long distance when temperatures are above  $-9^{\circ}\text{C}$  ( $15.8^{\circ}\text{F}$ ), the check engine light may be illuminated.

The following fault may be stored in the Digital Diesel Electronics (DDE)

805256 – Active tank filling level sensor, signal: echo fault

### CAUSE

In low temperature under  $-9^{\circ}\text{C}$  ( $15.8^{\circ}\text{F}$ ) a layer of ice may form in the active tank. This can result in an incorrect level measurement after the vehicle is driven.

### CORRECTION

Program the DDE with **ISTA 4.12.1x** or higher

### PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA
2. Program the vehicle using ISTA 4.12.1x or higher to the appropriate level shown below:

Model	Target I-level
F10 (5 Series Sedan)	<b>F010-18-07-520</b> or higher

Model	Target I-level
F15 ( X5 xDrive35d )	<b>F025-18-07-520</b> or higher
F30 (3 Series Sedan)	

F31 (3 Series Sports Wagon)	
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Note that ISTA Next 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](#) ).**

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

## 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.

<b>Defect Code:</b>	<b>1619101200</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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 KSD2 as Charging battery)
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.

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

### 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:

- 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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