



Fuel Tank Non-Return Valve Faults with SES Light

New information provided by this revision is preceded by this symbol .

This Service Information bulletin supersedes SI B16 07 15 **dated January 2016**.

MODEL

F30H (Active Hybrid 3)	F10H (Active Hybrid 5)
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SITUATION

Check Engine Light is illuminated and the following faults are stored in the DME:

- 0x191A94 – Fuel tank non-return valve: clamped shut
- 0x191A93 – Fuel tank non-return valve: clamped open



CAUSE

Software and hardware errors



PROCEDURE

Perform ISTA/D short test and check vehicle's software integration level. In case,

Vehicle's I-Level is 14-07-503, or below:

-  Program the complete vehicle using the latest version of ISTA/P
-  Calibrate the fuel tank pressure sensor using ISTA/D test plan "ABL_DIT_AS1214_TVD_TDS" (found in the Service Function/Power train/Engine Electronics MEVD/Adjustment Functions/Adjust the fuel tank pressure sensor)

Vehicle's I-Level is 14-07-504, or higher:

- Replace the fuel tank delivery module (with tank pressure/temperature sensor)
F30H (P/N 16 14 7 264 433)
F10H (P/N 16 11 7 341 299)
-  Program the complete vehicle using the latest version of ISTA/P
-  Calibrate the fuel tank pressure sensor using ISTA/D test plan

“ABL_DIT_AS1214_TVD_TDS” (found in the Service Function/Power train/Engine Electronics MEVD/Adjustment Functions/Adjust the fuel tank pressure sensor)

After the repair is completed, test-drive the vehicle to verify effectiveness. Note that ISTA/P 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/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

PARTS INFORMATION

Part Number	Description	Quantity
16 14 7 264 433	Fuel delivery module (F30H)	1
16 11 7 188 567	O-ring (F30H)	1
16 11 7 428 463	O-ring (F30H)	1
16 11 7 341 299	Fuel delivery module (F10H)	1

WARRANTY INFORMATION

Vehicle's I-Level is at 14-07-503 or lower

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:	16 11 15 12 00	
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 KSD 2 as Charging battery)
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit (s)

Or if the:

Vehicle's I-Level is at 14-07-504 or higher

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

This repair is also covered by the terms of the Federal and/or State-specific Emissions Warranty (dependent on the vehicle's model year, state of registration and its inclusion on the "model-specific" list of covered components) that applies to the BMW model(s) listed.

The BMW Certified Pre-Owned Limited Warranty applies to BMW vehicles that have and are still within the BMW Certified Pre-Owned coverage period, but beyond Emissions Warranty coverage that applies.

Defect Code:	16 14 03 12 00	
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 KSD 2 as Charging battery)
And, as necessary:		
See KSD2 Main Group "16"	Refer to KSD2	Extracting fuel from the fuel tank and filling (Select the applicable Plus work labor operation (16 00 610 to 16 00 680) that applies to the amount of fuel extracted – 10 liter increments)

And for the:

F30H (Active Hybrid 3)

Labor Operation:	Labor Allowance:	Description:
16 14 590	Refer to KSD2	Removing and installing or replacing delivery module

Or for the:

F10H (Active Hybrid 5)

Labor Operation:	Labor Allowance:	Description:

16 14 610	Refer to KSD2	Removing and installing or replacing fuel pump(s)
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And:

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming / encoding control unit (s)

And for both repairs options listed above, also:

Labor Operation:	Labor Allowance:	Description:
61 00 006	2 FRU	Performing vehicle diagnosis – test module (plan) “ABL_DITAT1214_TVD_TAV”

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) allowance

Work time labor operation code 61 00 006 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed “prior” to programming and coding the vehicle, claim this work with the applicable defect code and labor operations listed in KSD2.

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