




## WATER INJECTION SYSTEM WATER LEVEL TOO LOW

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

This Service Information bulletin replaces SI B12 22 16 dated **September 2016**

### What's New:

- Water injection filter replacement

### MODEL

F82 (M4 GTS Coupe) with S55 engine
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### SITUATION

Check Control (CC) Message Water level too low, engine performance only available to a limited degree is displayed.

A fault may be stored in the DME control unit:

- 0x124015 - Water injection system, working area: Pressure too low
- 0x124013 - Water injection system, reversible flow valve, plausibility: No pressure reduction.


### CAUSE

Software malfunction in DME control unit and/or clogged water injection filter.

### CORRECTION

Reprogram the vehicle and/or replace the water injection filter as necessary.

### PROCEDURE

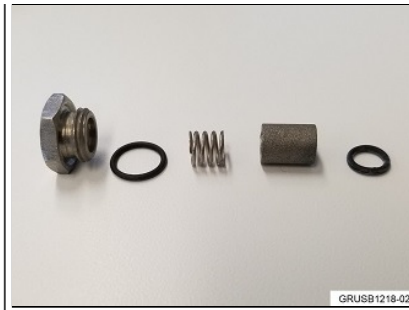
1. Perform diagnosis with the latest version of ISTA.
2.  If necessary, replace the water injection system filter, spring, and seals; and/or

#### Water injection (fine) filter kit



Water injection filter kit: PN: **13 63 7 857 605**  
4 pieces included in Kit

- Fine Filter
- Spring
- Upper seal
- Lower seal



Refer to REP 00 00 679 “Service fine filter of water injection device”.  
Installation order shown to the left.



Do not pry the filter out or damage can occur.

Hint: Filter screw tightening torque: 18Nm

- If necessary, program the vehicle using ISTA/P 3.59.3 (ISTA 4.01.10) or higher.

Model	Target integration level
F82 (M4 GTS Coup)	F020-16-07-504 or higher

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 Next, refer to Centernet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

### **UPDATE !** PARTS INFORMATION

Part Number	Description	Quantity
13 63 7 857 605	Filter (GTS)	1

### **UPDATE !** WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	1363067600	
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 KSD2 as “Charging battery”)

And, if necessary:		
61 99 000	4 FRU	Work time for programming/encoding control unit (s) (Temporary procedure)
Or, when available:		
61 00 730	Refer to KSD2	Programming/encoding control unit (s) (Note: This labor operation is scheduled to be available for this vehicle in the KSD2 shortly)
And:		
13 99 000	3 FRU	Work time for checking and replacing the fine filter of the water injection system without resetting the CBS data (Replacement is not Recommended or Due)

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.

Or:

**In conjunction with an eligible and covered Maintenance Program repair**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
13 99 000	1 FRU	Work time for checking the fine filter of the water injection system only. The fine filter replacement is done in conjunction with an applicable engine oil service task and the CBS data is reset (Note: See the BMW Maintenance Program section below)

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

Work time labor operation codes 61 99 000 and 13 99 000 are not considered a Main labor operations. Also, since the “work time” FRU allowance to be claimed is specified, separate punch times are not required. However, they both still require 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.

**BMW Maintenance Program**

The water injection pump (fine) filter is to be replaced with every second engine oil service task (Service counter number 2, 4, 6...).

If the vehicle has an “active” maintenance program and the “Engine oil” Service task (Service counter number 2, 4, 6...) shows:

- “Recommended or Due” in the Service status field or it “qualifies” to be performed based on the “60-day Bundling” procedure (See SI B01 06 13), then In conjunction with

- Performing this “Engine oil” Service task (Labor op 00 00 610), perform the Servicing the fine filter of the water injection system task (Labor op 00 00 679);
- After these and any other required tasks are completed, reset the CBS data.

Claim the water injection fine filter service task under the BMW Maintenance Program.

### **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.

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 in KSD2/AIR.

### **Other Repairs**

If performing the ISTA diagnostics and their related test plans results in other eligible and covered work, claim this work with the applicable defect code and labor operations (including diagnosis) listed in KSD2.

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