



”WATER INJECTION SYSTEM – WATER LEVEL TOO LOW”

MODEL

F82 (M4 GTS Coupe) with S55 engine

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.

CORRECTION

Reprogram the vehicle.

Parts replacement is not necessary.

PROCEDURE

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

1. Perform diagnosis with the latest version of ISTA.
2. Program the vehicle using ISTA/P 3.59.3 (ISTA 4.01.10) or higher.

F82 (M4 GTS Coupe)	Target Integration level: F020-16-07-504 or higher
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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.

WARRANTY INFORMATION

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

Defect Code:	10 42 31 59 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
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)

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) allowances.

Vehicle Programming and Coding

When ISTA/P automatically reprograms and codes all the vehicle control modules that currently do not have the latest software and control module failures occurred during this programming:

- Please claim these consequential repair work under the defect code listed in this bulletin with the applicable KSD2 labor operations.

Other Repairs

Control module failures that occurred prior to this programming:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

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