



SUBJECT

Engine will not Start (No Crank)

MODEL

F48 (X1 xDrive28i)

I12 (i8)

SITUATION

The engine will not crank or the engine loses power while driving, followed by a no crank situation. There is no communication with the DME when diagnosing with ISTA (DME is yellow on control unit tree).

CAUSE

In certain instances, the startup of the turbocharger coolant pump can exceed the 5A rating of fuse F83.

CORRECTION

Check and replace/retrofit fuse F83 with a “7.5A capacity fuse” and verify the turbocharger coolant pump’s operation.

PROCEDURE

Check fuse F83 (5A) for activation “blown”.

Is fuse F83 (5A) blown?

YES- replace with a 7.5A fuse and perform a functional check of the turbocharger coolant pump using test plan ABL-DIT-AT1214_BX8_TKMP – Turbocharger coolant pump in ISTA. If the pump operates normally, no further repairs are necessary.

Or:

NO- follow standard diagnostic procedure with ISTA/D.

PARTS INFORMATION

Part Number	Description	Quantity
61 13 6 917 402	Fuse (Mini) 7.5A	1

WARRANTY INFORMATION

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

Defect Code:	17 61 00 99 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 KSD2 as “Charging battery”)
And:		
61 00 006	2 FRU	Work time to check and replace/retrofit fuse F83 with a “7.5A capacity fuse” and perform test plan for activation of turbocharger coolant pump

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.

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.

Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations listed in KSD2.

[Copyright ©2016 BMW of North America, Inc.]