



THE ENGINE WILL NOT START AND THE DME IS NOT RESPONDING

MODEL

F48 (X1)

With the B46O engine produced to 12/2015

SITUATION

The engine does not crank or start and various Check control messages may be displayed.

When performing diagnosis with ISTA Next the DME is not responding.

- Fault: S 0392 – No communication with engine electronics is displayed.

Many other modules will have CAN faults stored due to missing messages from the DME (transmitter).

CAUSE

Fuse 83 (5A) is open.

When the turbocharger coolant pump is activated by the DME, the initial starting current could briefly exceed the 5A rating of Fuse 83 causing this fuse to blow.

If this occurs the engine will stop and cannot be restarted.

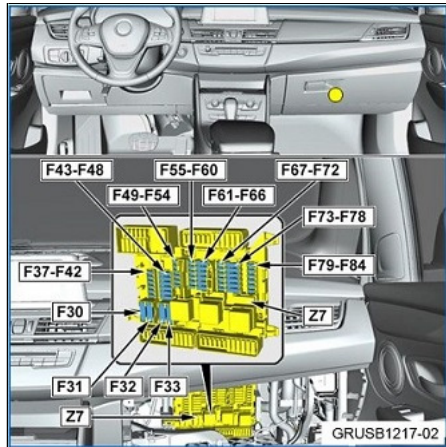
CORRECTION

Replace F83's "5A" fuse with a "7.5A" fuse only

PROCEDURE

1. Install a replacement 7.5A fuse.
2. Make a change on the fuse reference card in the front power distribution box. for F83 from 5A to 7.5A





- Perform a function test of the turbocharger coolant pump with ISTA NEXT.

Path:

Service Functions / Power train / engine electronics / Engine cooling / Turbocharger coolant pump

Is the turbocharger coolant pump operating properly?

YES - no other parts should be replaced.

NO - continue diagnosis with ISTA.

PARTS INFORMATION

Part Number	Description	Quantity
61 13 6 917 402	Fuse mini, brown 7.5A	1

WARRANTY INFORMATION

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

Defect Code:	6114007900	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main)
Or:		

00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as Charging battery)
And:		
61 00 006	3 FRU	Work time to replace F83's "5A" fuse to a "7.5A" fuse, change the fuse reference chart information to this new amperage rating and perform a function test of the turbocharger's 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 additional or other work results from performing the function test of the turbocharger's coolant pump:

- When covered under an applicable limited warranty, claim this other repair work using the applicable defect code and labor operations in KSD2/AIR.

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