SI B12 02 18
Engine Electrical Systems

January 2018
Technical Service

F2X F3X -THE ENGINE STARTS THEN SWITCHES OFF IMMEDIATELY

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F32 (4 Series Coupe)
F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)	

Produced to 6/30/2017 with the B58M engine and automatic transmission.

SITUATION

After starting the engine and immediately selecting a drive gear, the engine may switch off. Restarting the engine is only possible after cycling the ignition.

The following fault is stored in the Digital Motor Electronics (DME):

- 1F140A – drive, safety function: safety cutout drive near standstill

May be in conjunction with:

- 1F0523 - drive, safety function: safety cutout injection
- 1F052D - drive, safety function: output-stage shutoff watchdog output
- CD840A - powertrain CAN control module bus OFF
- 12B302 - oxygen sensor heating after catalytic converter, actuation: short circuit to ground
- 1F4011 - power distribution box, auxiliary power relay: closed faulty
- 133011 - Valvetronic, supply voltage: malfunction
- 1F0515 - Valvetronic, supply voltage: line disconnection
- 21A126 - emergency operation manager: no wheel torque, drive faulty
- 113027 - relay of ignition and injectors, supply voltage of injection: line disconnection
- 1C0202 - engine oil pressure control valve, actuation: Short circuit to ground
- 152008 - ignition circuit, supply voltage: Bank failure or engine failure
- 123511 - Electrical wastegate, wastegate valve: sluggish

CAUSE
DME Software error

CORRECTION
Upgrade the vehicle software using **ISTA Next 4.06.2x** or higher

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.

2. Program the vehicle using **ISTA Next 4.06.2x** or higher to appropriate level shown below:

Model	Target integration level
F22 (2 Series Coupe)	**F020-17-07-500** or higher
F23 (2 Series Convertible)	
F30 (3 Series Sedan)	
F32 (4 Series Coupe)	
F33 (4 Series Convertible)	
F34 (3 Series Gran Turismo)	
F36 (4 Series Gran Coupe)	

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, refer to CenterNet / TIS / Technical Documentation / Programming and Diagnostics / Programming Documentation

WARRANTY INFORMATION

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:	1042315900	
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:		

| 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 of 00 00 006.

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

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.

Vehicle Programming and Encoding

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.

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.