HIGH ENGINE SPEED IMMEDIATELY AFTER STARTING

MODEL

F39 (X2 Sports Activity Coupe)	F48 (X1 Sports Activity Vehicle)	F90 (M5 Sedan)	G05 (X5 Sports Activity Vehicle)
G07 (X7 Sports Activity Vehicle)	G12 (7 Series Sedan)	G14 (8 Series Convertible)	G15 (8 Series Coupe)
G20 (3 Series Sedan)	G29 (Z4 Roadster)	G30 (5 Series Sedan)	G32 (6 Series Gran Turismo)

Produced with the B46D, B48E, B58C, B58D, N63B, N63M, N74L, S63M, or XB1 engine

SITUATION

In rare circumstances, after the engine is started with the Start-Stop button, the engine speed may immediately increase to a high constant RPM (approximately 3000 rpm). If a driving gear is selected in this condition, the engine will switch off.

The following fault may be stored in the digital motor electronics (DME):

Fault code:	Control module:	Fault code text:
CDB804	DME	No message (request, heating and air conditioning system, 0x2F9), receiver DME, transmitter IHKA

Consequential Faults-

Fault code:	Control module:	Fault code text:
1F053C	DME	Drive, safety function: Maximum acceleration exceeded
1F140A	DME	Drive, safety function: Acceleration without driver's choice in standstill
1E0101	DME	Idle speed control, cold start: Engine speed too high

Additionally, the malfunction indicator lamp (MIL) may be illuminated.

CAUSE

A communication fault on the PT-CAN causes an erroneous engine response.

CORRECTION

Diagnose the cause of the PT-CAN fault and program the vehicle with ISTA.

PROCEDURE

1. Connect the vehicle to a BMW approved battery charger (Refer to SI B04 23 10).
2. Follow test plan recommendations for fault code CDB804.

3. Program the vehicle using ISTA to the appropriate I level shown below:

Model	Target I level
F39 (X2 Sports Activity Coupe)	**F056-19-03-550** or higher
F48 (X1 Sports Activity Vehicle)	

Model	Target I level
F90 (M5 Sedan)	**S15A-19-03-560** or higher
G12 (7 Series Sedan)	
G30 (5 Series Sedan)	
G32 (6 Series Gran Turismo)	

Model	Target I level
G05 (X5 Sports Activity Vehicle)	**S18A-19-03-560** or higher
G07 (X7 Sports Activity Vehicle)	
G14 (8 Series Convertible)	
G15 (8 Series Coupe)	
G20 (3 Series Sedan)	
G29 (Z4 Roadster)	

Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

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 for

Defect Code	**Refer to AIR**	**Defect Code that applies to the cause and the work to repair the PT-CAN Fault**
Labor Operation:	**Labor Allowance:**	**Description:**
00 00 006	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module

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.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

And for the e-vehicles:

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to AIR	Recharging high-voltage battery unit (to high voltage charging socket)

And:

Repairing the cause of the PT-CAN fault

If eligible and covered work is performed as a result of performing the ISTA diagnostics and the related test plans, claim this work with the applicable defect code and labor operations (including diagnosis with separate punch times) listed in AIR.

Labor Operation:	Labor Allowance:	Description:
Refer to AIR	Refer to AIR	Refer to AIR

And, if the:

Vehicle is below the applicable i-level stated above:

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to AIR	Programming/encoding control unit(s)

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**.**

Programming and Encoding - Vehicle Control Units

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 AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

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 (including diagnosis) in AIR.