



SUBJECT

Steering Assistance Failed After an Engine Start

MODEL

F22 (2 Series Coupe)

F23 (2 Series Convertible)

F30 (3 Series Sedan)

F31 (3 Series Sport Wagon)

F32 (4 Series Coupe)

F34 (4 Series Gran Turismo)

F36 (4 Series Gran Coupe)

Produced from 6/30/11 to 3/30/16

SITUATION

Reduction of steering assistance after starting the engine.

The DSC and steering warning lamp are illuminated in the instrument cluster.

Check Control messages displayed:

- "Driving stabilization. Drive carefully"
- "Increased steering effort required. Drive at moderate speed".

Control unit fault code entries:

EPS:

- None

ICM_25:

- 0xD01C0C - message fault (actual rack force, ID: AVL_FORC_GRD) - Timeout
- 0xD01B26 - message fault (actual EPS position, ID: AVL_PO_EPS) - Timeout
- 0xD019BF - message fault (actual driver actuator steering torque, ID:

AVL_STMOM_DV_ACT) - Timeout

- 0xD016A5 - message fault (driving dynamics 02 check control display, ID: DISP_CC_DRDY_02) - Timeout
- 0xD015C4 - message fault (front axle electrical steering status, ID: ST_EST) – Timeout

DSC_25:

- 0xD354EE - signal fault (actual front axle steering angle, ID: AVL_STEA_FTAX) – invalid

No damage or other noticeable effects in the power supply and FlexRay

CAUSE

EPS (electric power steering / electromechanical power steering): Flexray Transceiver switches itself off

CORRECTION

Program and encode the vehicle with updated software.

PROCEDURE

In the event of a customer complaint, proceed as follows:

1. Run diagnostics with ISTA/D.
2. Work through the corresponding test module.
3. Program and encode the vehicle with ISTA/P P3.58.2 (available from 1/4/2016) or a more recent version to integration level F020-16-03-503.

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software. For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

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

A part exchange is not necessary and does not provide a solution.

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:	32 13 02 15 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		

61 21 528	Refer to KSD	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)
And:		
61 00 730	Refer to KSD	Programming/encoding control unit(s)

Labor operation code 00 00 006 is a Main labor operation. 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 Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed “prior” to programming and coding the vehicle or 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.

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