**SI B34 06 18**
Brakes

September 2018
Technical Service

# ASSISTANCE SYSTEM FAILURE FAULT CODES 03058E/030557 IN DSC CONTROL UNIT

## MODEL

| F90 (M5) | | |
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## SITUATION

Check Control Message (CCM): "Assistance system failure" is displayed.

One or both of the following fault codes may appear in the Dynamic Stability Control (DSM) control unit:

- 03058E - Engine control unit operating fluid - acceleration sensors adaptive data sensor tolerance at maximum value
- 030557 - Engine control unit operating fluid - steering angle driver adaptive data for steering angle tolerance at maximum value

## CAUSE

Software error in the DSC control unit.

## CORRECTION

Reprogram the vehicle with ISTA 4.12.3x or higher

## PROCEDURE

For conditions that are similar to the situation described:

1. Read out the I-level to which the vehicle has currently been programmed.

   **Is the current I-level 18-07-531 or higher?**

   **YES -** continue diagnosis with ISTA.

   **NO –** go to next stepgo to next step

2. Program vehicle with ISTA 4.12.3x or higher.

   Note that ISTA 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 / Diagnostics and Programming / Programming Documentation.

3. Using ISTA, perform the "Sensor driving dynamics adjustment".

## PARTS INFORMATION

Parts replacement will not provide a solution to this situation.

## 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: | 3452101400 | |
| --- | --- | --- |
| | | |
| Labor Operation: | Labor Allowance: | Description: |
| 00 00 006 | Refer to KSD2/AIR | Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work) |
| Or: | | |
| 00 00 556 | Refer to KSD2/AIR | Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work) |
| And: | | |
| 61 21 528 | Refer to KSD2/AIR | Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery") |
| And: | | |
| 61 00 730 | Refer to KSD2/AIR | 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**

A. 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.

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

B.  For control module failures that occurred "prior" to performing this programming procedure; and/or

C.  Other work/repairs that results from performing ISTA diagnostics and the related test plans:

• 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 KSD2/AIR.