



## SUBJECT

### Wheel Speed Sensor Faults Cannot Be Cleared

## MODEL

F10 (M5 Sedan)

F06 (M6 GranCoupe)

F12 (M6 Convertible)

F13 (M6 Coupe)

## SITUATION

The Dynamic Stability Control (DSC) warning light comes on while driving.

The following DSC fault codes for the wheel speed sensors are stored:

- 480712

and/or

- 480715

and/or

- 480718

and/or

- 48071B

They cannot be cleared, even though the wheel speed sensors work correctly and no problem can be found with the wiring harness.

## CAUSE

Due to high outside temperatures and extremely low atmospheric humidity, an electrostatic discharge (ESD) can occur in the wheel well area. This can transfer to the wheel speed sensor, causing irreparable damage to the DSC control unit.

## CORRECTION

Perform the vehicle test with ISTA/D and work through the corresponding DSC test modules. After completing the applicable test modules, and if DSC fault codes 480712, and/or 480715, and/or 480718, and/or 48071B cannot be cleared, replace the DSC control unit and install ground retrofit kit P/N 61 13 7 856 494.

Follow the instructions in attachment B340914\_ground\_cable\_retrofit for DSC replacement and kit installation.

## PARTS INFORMATION

Part Number	Description	Quantity
61 13 7 856 494	Ground cable retrofit kit	1
81 22 0 142 156	Brake fluid (12 oz bottle - Bulk container)	As needed

83 19 2 295 229

Contact protection grease

1

**WARRANTY INFORMATION**

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>34 52 10 15 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
34 51 527	Refer to KSD2	Removing and installing or replacing DSC control unit (includes removing one front tire, one front “rear-section” wheelhouse cover, bleeding the brakes and connecting an approved battery charger/power supply)
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)
And:		
36 10 800	Refer to KSD2	Removing and installing front tire (Other side)
And:		
34 99 000	24 FRU	Work time to remove and install both wheel house covers (front sections), clean the five contact points and install ground cable kit.

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) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

If a control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

Repairs to control modules and components with pre-existing conditions are not eligible to be claimed under the defect code listed in this bulletin.

And:

#### Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the used quantity of brake fluid (BMW part number 81 22 01 42 156). Please do not use this part number for claim submission.
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Sublet calculation: Reimbursement for the used quantity reimbursement for used quantities of brake fluid (BMW part number 81 22 01 42 156) at dealer net plus handling.

Enter this material cost as one sublet amount and itemize each one in the claim comment section.

#### Other Repairs

If performing other ISTA diagnostics and related test plans results with **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2.

#### ATTACHMENTS

View PDF attachment [B340914 Ground Cable Retrofit](#).

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