



This Service Information bulletin supersedes SI 37 02 14 **dated February 2015.**

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop. .

NEW designates changes to this revision

SUBJECT

Service Action: Program Variable Damper Control (VDC) Unit

MODEL

F15 (X5)

SITUATION

Unfavorable tolerances for the plug-in connections of the wheel acceleration sensors may result in fault code memory entries and the VDC being deactivated. If the VDC control unit identifies an implausible value from one of the wheel acceleration sensors, the VDC will be deactivated and the driver is informed by a Check Control message. The vehicle then defaults to the conventional suspension.

AFFECTED VEHICLES

This Service Action involves F15 vehicles produced from December 2, 2013 to August 23, 2014.

PROCEDURE

Perform the vehicle test and read the VDC fault code memory. If any of the relevant VDC fault codes are present:

1. Fault codes stored for the front axle:

482940 – Wheel acceleration sensor – front left – sensor 1 – value – above threshold, and/or

482941 – Wheel acceleration sensor – front left – sensor 1 – value – below threshold, and/or

482943 – Wheel acceleration sensor – front left – sensor 1 – value – implausible, and/or

482944 – Wheel acceleration sensor – front right – sensor 2 – value – above threshold, and/or

482945 – Wheel acceleration sensor – front right – sensor 2 – value – below threshold,
and/or

482947 – Wheel acceleration sensor – front right – sensor 2 – value – implausible,

NEW Replace **both** wheel acceleration sensors on the **front axle** with repair kit P/N 37 14 6 875 051 as per Repair Instructions REP 37 14 605 (vehicles up to 01/2015). Program and

code the entire vehicle using the latest version ISTA/P (2.54.1 or 3.54.1). Target integration level: F025-14-11-502.

Or,

Fault codes stored for the rear axle:

482948 – Wheel acceleration sensor – rear left – sensor 3 – value – above threshold, and/or

482949 – Wheel acceleration sensor – rear left – sensor 3 – value – below threshold, and/or

48294B – Wheel acceleration sensor – rear left – sensor 3 – value – implausible, and/or

48294C – Wheel acceleration sensor – rear right – sensor 4 – value – above threshold, and/or

48294D – Wheel acceleration sensor – rear right – sensor 4 – value – below threshold, and/or

48294F – Wheel acceleration sensor – rear right – sensor 4 – value – implausible,

NEW Replace all wheel acceleration sensors on the front and rear axles with both repair kits, P/N 37 14 6 875 051 AND 37 14 6 875 052 as per Repair Instructions REP 37 14 605 (vehicles up to 01/2015) and REP 37 14 606 (vehicles up to 01/2015). Program and code the entire vehicle using the latest version ISTA/P (2.54.1 or 3.54.1). Target integration level: F025-14-11-502.

2. In case NO fault codes are stored in the VDC unit:

Program and code the entire vehicle using the latest version ISTA/P (2.54.1 or 3.54.1)

Target integration level: F025-14-11-502.

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).

NEW PARTS INFORMATION

Part Number	Description	Quantity
	Only as required	
	Depending on fault code memory entry. Note: rear axle fault code requires both kits.	
37 14 6 875 051	Front axle acceleration sensor kit	1
37 14 6 875 052	Rear axle acceleration sensor kit	1

WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	00 37 15 01 00	
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No repair necessary:

Labor Operation:	Labor Allowance:	Description:
00 63 529	Refer to KSD2	Programming and coding in conjunction with another campaign or repair (vehicle is already at the specified "Target" integration level or higher; no repair is necessary) (Plus work)

or

Labor Operation:	Labor Allowance:	Description:
00 62 862	Refer to KSD2	Read the fault code memory and program the vehicle (includes connecting an approved battery charger/power supply and performing a vehicle test)
Or:		
00 62 863	Refer to KSD2	Read the fault code memory, replace both wheel acceleration sensors on the front axle and program the vehicle (includes connecting an approved battery charger/power supply and performing a vehicle test)
Or:		
00 62 864	Refer to KSD2	Read the fault code memory, replace all wheel acceleration sensors and program the vehicle (includes connecting an approved battery charger/power supply and performing a vehicle test)

The labor operation codes listed above are Plus labor operations.

NEW Refer to KSD2 for the corresponding flat rate unit (FRU) allowance.

NEW Vehicle Programming and Coding

NEW 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.

NEW 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.

NEW Other Repairs

NEW If other eligible and covered work is performed “prior” to programming and coding the vehicle, claim this work with the applicable defect code and labor operations listed in KSD2.

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