



SI B61 07 19
General Electrical Systems

May 2019
Technical Service

SERVICE ACTION: BODY DOMAIN CONTROLLER REPLACEMENT

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.

MODEL

F39 (X2 Sports Activity Coupe)	F48 (X1 Sports Activity Vehicle)		
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AFFECTED VEHICLES

This Service Action involves 312 F39 X2 and 482 F48 X1 produced from June 11, 2018 to June 14, 2018.

Vehicles which require this Service Action to be completed will show it as Open when checked either in AIR, the Service Menu of DCSnet (Dealer Communication System) or with the Key Reader.

SITUATION

During vehicle production, there is the possibility that the cavity preservation wax leaked from the body and dripped onto the Body Domain Controller (BDC) and its wiring harness connector. The BDC is located inside the vehicle, in the front passenger footwell.

CAUSE

A new cavity preservation wax charge was used with a lower viscosity. The wax can creep downwards especially when the vehicle is exposed to high ambient temperatures.

CORRECTION

Replace the BDC control unit and renew the contaminated connector and pins. If a connector is contaminated, renew all pins in connector.

SPECIAL TOOLS

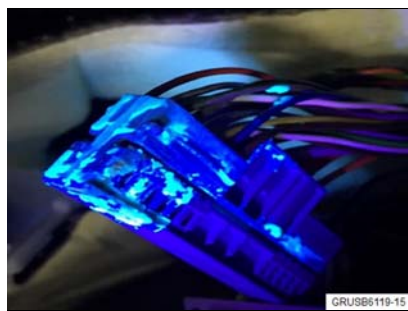
- Ultraviolet light
- Crimping dies 83 30 2 469 691 and 83 30 2 469 692
- Additional crimping dies per AIR/ISTA

PROCEDURE

	<ol style="list-style-type: none"> 1. Access the BDC as described in Repair Instructions REP 61 35 278 "Remove/install Body Domaine Controller (BDC)".
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2. Perform visual inspection of BDC and connectors looking for cavity wax.



3. Check connectors A258*3B and A258*2B with an ultraviolet lamp for contamination.



4. If the connector housing, socket housing and pins are contaminated per the two photos at left, then they will need to be replaced.



**Caution:**

Make sure that the new pins are not touched with hands contaminated by cavity preservation wax, as otherwise contact resistances can be expected again. Hence the hands have to be cleaned before crimping the new pins.

5. Once all wiring repairs have been completed, replace and install the new BDC as described in repair instructions REP 61 35 278.
6. Program the vehicle using ISTA 4.15.3x 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



Note: For crimping the 6 mm² and 4 mm² pins, both crimping die 83 30 2 469 691 and 83 30 2 469

692 must be ordered for the crimping pliers.

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in ETK/AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity	Note
01 35 3 726 963	BDC control unit	1	
01 13 9 253 101	Socket housing, 27 pin Version A	1	if required
01 13 9 253 102	Socket housing, 27 pin Version B	1	if required
01 13 9 253 104	Cover cap, 34 pin encoding A, black	1	if required
01 13 9 364 884	Socket housing, 21 pin Version A, black	1	if required
01 13 9 364 884	Socket housing, 21 pin Version B, grey	1	if required
01 13 9 364 882	Cover cap, 42 pin encoding A, black	1	if required
01 13 1 383 776	BU KON MQ25 SN 0 35GMB1	as required	if required
01 13 1 383 774	BU KON MQ25 SN 0 54 75GMB1	as required	if required
01 13 9 364 832	BU KON MPQ2 8X0 6 SN 0 75 1 0	as required	if required
01 13 9 364 834	BU KON MPQ2 8X0 6 SN 1 5 2 5	as required	if required
01 13 6 943 612	BU KON MPQ2 8X0 6 SN 4 0	as required	if required
01 13 9 364 842	BU KON PQ25 2X0 6 SN 1 5 2 5	as required	if required
01 13 9 364 844	BU KON PQ25 2X0 6 SN 4 0	as required	if required
01 13 9 158 704	BU KON PQ25 2X0 6 SN 6 0	as required	if required

Note: Only one of each the following BMW crimping tool part numbers (Set) ordered and received from BMW can be charged back through a corresponding claim submission (**Defect Code 0061820400**). Limit is one set per BMW center dealer number.

Part Number	Description	Quantity
83 30 2 469 691	Crimping tool	1
83 30 2 469 692	Crimping tool	1

WARRANTY INFORMATION

Defect Code: 0061820400

Refer to the Attachment for Warranty Information. The section below is also included in the Warranty Attachment, but is duplicated here to enable use of the SIB link.

Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

Sublet Code 2 - Itemize the AMS sublet amount on the repair order and in the claim comment section.

Please refer to [SI B01 29 16](#) for additional information.

ATTACHMENTS

View PDF attachment [B610718 Attachment Warranty Information](#).

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SERVICE ACTION: BODY DOMAIN CONTROLLER REPLACEMENT

WARRANTY INFORMATION

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

Defect Code:	0061820400	F39 F48 Replacing BDC
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Programming and Encoding IS Inclusive

Work Pkg	Labor Operation:	Labor Allowance:	Description (Plus work WITH Programming and Encoding):
# 1	00 66 827	F39, F48 (15 FRU)	Replacing BDC, checking plug connections for contamination only , programming and encoding vehicle
# 2	00 66 828	F39, F48 (65 FRU)	Replacing BDC, checking plug connections for contamination, replacing 54 pin connector , programming and encoding vehicle
# 3	00 66 829	F39, F48 (56 FRU)	Replacing BDC, checking plug connections for contamination, replacing 42 pin connector , programming and encoding vehicle
# 4	00 66 830	F39, F48 (107 FRU)	Replacing BDC, checking plug connections for contamination, replacing both connectors (54 and 42 pin) , programming and encoding vehicle

Or:

Programming and Encoding IS NOT Inclusive

Work Pkg	Labor Operation:	Labor Allowance:	Description (Plus work WITHOUT Programming and Encoding):
# 5	00 66 831	F39, F48 (7 FRU)	Replacing BDC, checking plug connections for contamination only , programming and encoding control units was performed in conjunction with another campaign or repair during the same workshop visit
# 6	00 66 832	F39, F48 (57 FRU)	Replacing BDC, checking plug connections for contamination, replacing 54 pin connector , programming and encoding control units was performed in conjunction with another campaign or repair during the same workshop visit

# 7	00 66 833	F39, F48 (49 FRU)	Replacing BDC, checking plug connections for contamination, replacing 42 pin connector , programming and encoding control units was performed in conjunction with another campaign or repair during the same workshop visit
# 8	00 66 834	F39, F48 (99 FRU)	Replacing BDC, checking plug connections for contamination, replacing both connectors (54 and 42 pin) , programming and encoding control units was performed in conjunction with another campaign or repair during the same workshop visit

Work Packages 1 through 4- The special flat rate labor operations include connecting an approved battery charger/power supply and performing a vehicle test

Claim Repair Comments

Unless additional related/in conjunction work was required (not addressed or an option in the above information), then only reference the SIB number and the work package number performed in the RO technician notes and the claim comments (For example: B61 07 19 WP 1).

Sublet – Purchased Tool Sales Tax Reimbursement (Obtained from BMW only):

Pending....

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

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.

And, as applicable:

Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

Sublet Code 2 - Itemize the AMS sublet amount on the repair order and in the claim comment section.

Please refer to SI B01 29 16 for additional information.