



SIB 16 04 16

2019-02-07

RECALL CAMPAIGN 16V-746: REPLACE LOW-PRESSURE ELECTRIC IN-TANK FUEL PUMP

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.

This Service Information bulletin replaces SI B16 04 16 dated August 2017

What's New:

- New part number for fuel pump assembly

MODEL

F07 (5 Series Gran Turismo)	F10 (5 Series Sedan)	F12 (6 Series Convertible)	F13 (6 Series Coupe)
E70 (X5)	E71 (X6)	E72 (X6 Hybrid)	

SITUATION

The vehicle can exhibit a fuel leak from the area surrounding the low-pressure electric in-tank fuel pump electrical connector.

AFFECTED VEHICLES

This Recall Campaign involves F07, F10, F12, F13, E70, E71 and E72 vehicles produced from May 2006 to July 2011.

Vehicles which require this Recall Campaign 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

The open campaign description will read as: B160416 Recall Fuel Pump - See vehicle comments.

We are mailing only a limited amount of customer notification letters each month because of the parts supply. Please see the Parts Matrix and Mailings Update and the remedy status column in Warranty Vehicle Inquiry for more information.

1. VINs that had customer letters mailed will be flagged in vehicle comments with the following statement: The final repair for this vehicle is available, please refer to Service Information bulletin B16 04 16.
2. VINs that did not have customer letters mailed will be flagged in vehicle comments with the following statement: The final repair is not available for this vehicle at this time and final customer letter has not yet been mailed.

CAUSE

An improper crimp on the low pressure electric in-tank pump electrical connector pins can result in increased resistance. The heat generated from the resistance can melt or deform the fuel pump flange plastic housing and electrical connector pin sealing surfaces.

CORRECTION

Replace the electric low-pressure fuel pump and install the repair cable for the vehicle electrical harness.

PROCEDURE

1. Remove and replace the low pressure electric in-tank fuel pump as per one of the following repair instructions.

E Series Vehicles:

Refer to Repair Instruction 16 14 010 "Removing / installing and replacing the electric fuel pump"

F Series Vehicles:

Refer to Repair Instruction 16 15 200 "Removing / installing and replacing the electric fuel pump"

New Part Inspection

Concerns part number 16 11 7 934 459 and 16 11 7 934 460 only. All other part numbers do not need an inspection.

2. Inspect the new fuel pump assembly white plastic lid (1).



The yellow transportation cap for the fuel supply line (2) must be removed and discarded before installation.

The black plastic cap (3) must not be removed. If removed, a fuel leak may develop if an open port is present.

If the new fuel pump is received without this the black plastic cap (3) and an open port is present then another fuel pump must be ordered.

Do not use a fuel pump that is missing the black plastic cap (3) and it has an open port which may cause a fuel leak.

3. Install the repair cable onto the vehicle harness. Refer to repair instruction 61 13 ...“Butt connector for repairing a plug connection”.

ISTA/D Repair Instruction Path:

- Select “Product Structure”
- Select “61 General electrical system”
- Select “6113 Plug connection, terminal, power distribution box”
- Select “Start Search”
- Scroll down and select “61 13 ...“Butt connector for repairing a plug connection” \

Read the entire repair instruction.

Special tools:

Use special tool 614 340 Crimping Set (BMW tool P/N 83 30 0 496 833).

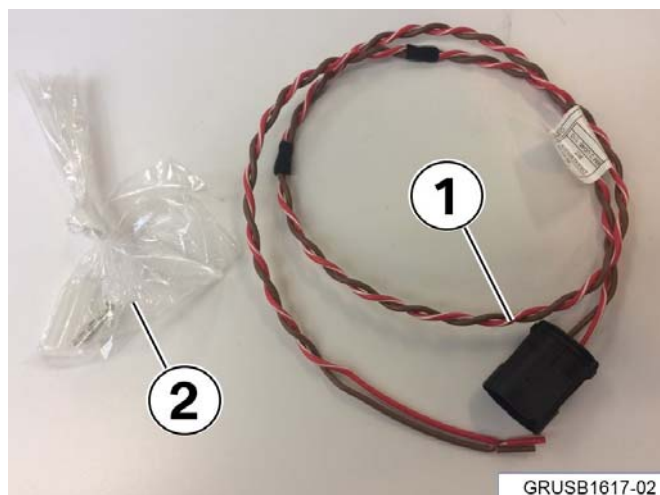
Or:

Use special tool 614 320 Crimping Set (BMW tool P/N 83 30 0 494 158) with Universal Crimping Die 614 328 (BMW tool P/N 83 30 0 495 555).

Use one of the above tools to install the butt connectors between repair cables and the vehicle harness. Properly insulate the connection using the shrink tubing provided in the repair cable kit.

The length of wires supplied with the repair cable is more than enough to make the repair. The repair cable length may be reduced as needed to perform the proper repair in the vehicle.

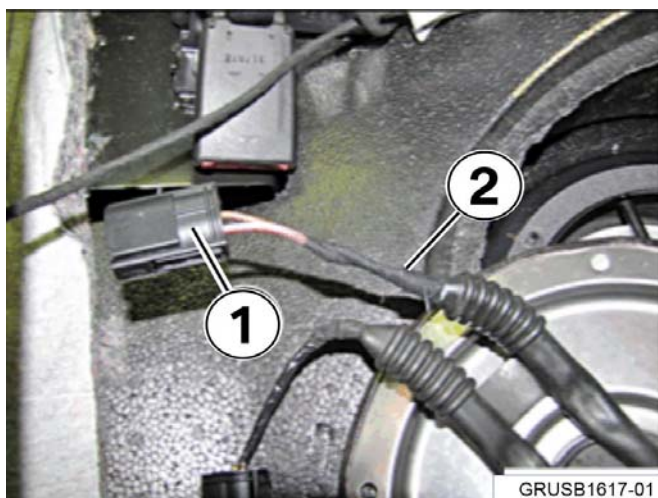
If the crimp is not performed correctly and it needs to be removed and installed again then use P/N 61 13 8 353 748 crimp and P/N 61 13 1 379 833 shrink tube. Repeating this repair will not be reimbursed under the recall.



Repair kit overview:

Repair harness (1)

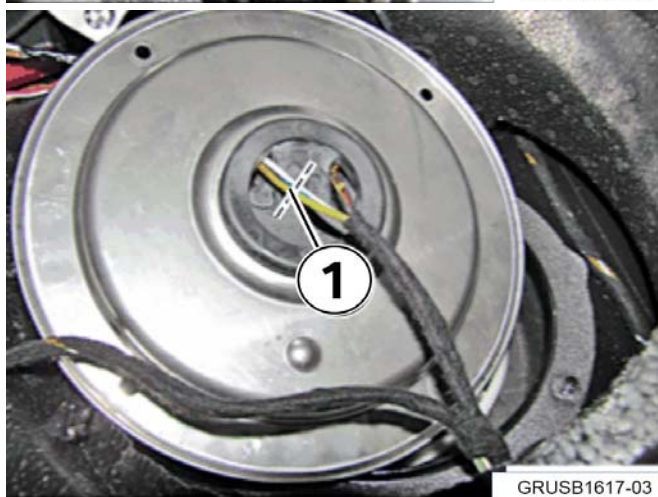
Butt connector and shrink tubing (2)



Repair harness procedure:

Locate the fuel pump electrical connector (1).

Unwrap the tape (2) from rubber grommet.

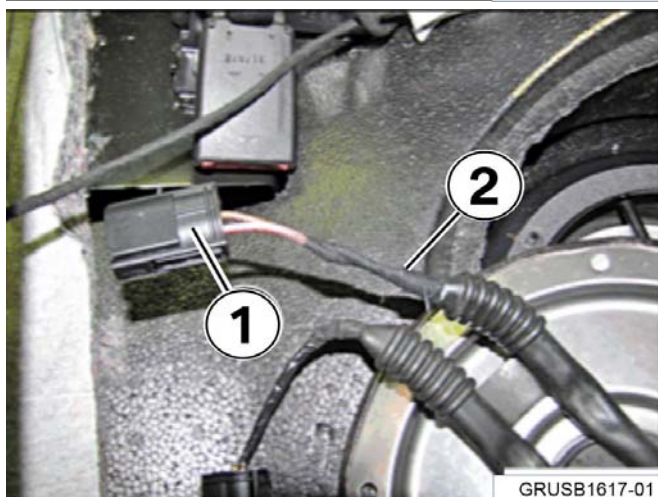


Turn over the steel lid.

Cut the electrical harness (1) and remove it from the grommet. Measure the removed section of the harness.

Cut the new repair harness to the same length as the removed section of electrical harness.

Install the repair harness through the grommet and install the shrink tubing and butt connectors at this location (1).



Verify that the length of harness protruding from the grommet is correct (1).

Tape the harness (2) at the grommet to seal it from water ingress.

Reassemble the vehicle as per the applicable repair instruction.

PARTS INFORMATION

Select, from both part number tables below based on the affected vehicle's "model and engine variant," the applicable part numbers to install and claim.

Low pressure electric in-tank fuel pump:

--	--	--

Part Number	Part Description with Model and Engine	Quantity
16 11 7 934 453	Fuel pump (E70 with N52 engine)	1
16 11 7 934 454	Fuel pump (E71 with N54 engine)	1
16 11 7 934 455	Fuel pump (E70, E71 with N55 engine)	1
16 11 7 934 456	Fuel pump (E70 with N62 engine)	1
16 11 7 934 457	Fuel pump (E70, E71, E72 with N63 and S63 engines)	1
16 11 7 934 458	Fuel pump (F10 with N52 engine)	1
16 11 7 260 636	Fuel pump (F07, F10, F12, F13 with N63 engine)	1
16 11 7 934 460	Fuel pump (F07, F10, F12 with N20 and N55 engines)	1

And,

Repair cable:

Part Number	Description	Quantity
61 12 9 384 625	Repair cable - F07 F10, F12, F13 (4-pin connector)	1
61 12 9 387 439	Repair cable - E70, E71, E72 all engines except N63 and S63 engines (2-pin connector)	1
61 12 9 387 440	Repair cable - E70, E71, E72 with N63 and S63 engines (6-pin connector)	1

If the crimp is not performed correctly and it needs to be removed and installed again then use P/N 61 13 8 353 748 crimp and P/N 61 13 1 379 833 shrink tube. Repeating this repair will not be reimbursed under the recall.

Your center can use the Labelmaster® Dangerous Goods Information System (DGIS) for proper shipping procedures and guidelines (additional information for the DGIS can be found in SI B01 22 16).

Any return requested Recall parts that are not received by the WPRC within 60 days of the claim “credit date” may be subject to debit.

WARRANTY INFORMATION

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

Defect Code:	0016150200	
Labor Operation:	Labor Allowance:	Description:
00 64 234*	E70 and F10 Hybrid - 12 FRU	Replacing the right delivery unit along with the wiring harness connector (Main work)
Or:		
	E71, E72, F10, F12 and F13 - 11 FRU	
Or		
	F07 - 14 FRU	
Or:		
00 64 235*	14 FRU	E70 with third row seating: Replacing the right delivery unit and the wiring harness connector (Main work)

Note*: The special flat rate labor operations provided above includes time for extracting “enough” fuel from the fuel tank to perform the repair and refilling.

And, as applicable:

Alternative Mobility Solutions (AMS) Reimbursement

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

Sublet Code “2”	See below	Alternative Mobility Solution (AMS) expense reimbursement
------------------------	-----------	---

Claimable AMS-related reimbursement items and allowances (at cost, no markup):

- Mass transit (Up to \$15.00);
- Taxi and livery services (Up to \$15.00);
- “On-demand” Phone app-based transportation services (Up to \$15.00); or
- Vehicle pickup/drop off service “to and/or from” a customer’s home or business location (Up to \$25.00).

Please refer to SI B01 29 16 for additional information. Itemize this sublet amount on the repair order and in the claim comment section.

TREAD Act - Previous Customer-Pay Repairs

Implemented previous to this Recall Service Information bulletin, the In-tank fuel delivery module (pump) also has a component-specific Extended Limited Warranty (ELW: SI B01 05 15). Therefore, previous customer-repair reimbursement requests are not likely.

However, if your center is presented with a reimbursement request for a “qualifying customer-pay repair” that was performed on an “affected vehicle” prior to the release of this Recall, BMW of North America, LLC (“BMW NA”) will reimburse the costs for that repair.

Customer-pay Invoice Review and Reimbursement Procedure

1. Review and verify that the previous customer-pay invoice (BMW center or independent repair shop) contains a repair that was performed to address the issue described in this Recall bulletin.

2. If this prior repair qualifies, reimburse the customer (labor and parts).

3. Submit for this customer-paid repair expense under Defect Code 85 99 00 12 NA, as follows:

- Sublet Code “3”
- Dollar amount (with no markup)
- Comment: Recall 16V-746 - Replace Low-Pressure Electric In-Tank Fuel Pump, reimbursement for allowable expenses that relate to performing a previous qualifying customer-pay repair.
- Itemize the sublet amount on the repair order and in the claim comments

4. Retain the “original” customer pay invoice in your files; this documentation may be requested by BMW during the claim review process.

A claim submission for a “prior customer-pay reimbursement” under Defect Code “85 99 00 12 NA” will not close the “Open” Safety Recall on the vehicle. The Recall repair procedure that applies must still be performed on the vehicle and claimed.

Repairs that do not qualify for Reimbursement

Repairs that do not qualify for reimbursement include repairs performed on non-affected vehicles, and/or the diagnosis and repair of other unrelated issues. This exclusion applies to repairs that were performed using non-genuine BMW parts and/or used passenger car or light truck parts.

Posted: Thursday, February 7, 2019

[Recall Notice B160416.pdf](#)

[B160416 Drain Procedure.pdf](#)

© 2018 BMW OF NORTH AMERICA, LLC. ALL RIGHTS RESERVED

SAFETY RECALL NOTICE

To: All Center Operators, Sales Managers, Service Manager, Parts Manager and Warranty Processor

RE: Recall Campaign 16V-XXX: Fuel Pump Replacement B16 04 16

BMW Group is conducting a Voluntary Safety Recall (effective October 13, 2016) involving the fuel pump in certain F07 (5 Series Gran Turismo), F10 (5 Series Sedan), F12 (6 Series Convertible), F13 (6 Series Coupe), E70 (X5), E71 (X6), E72 (X6 Hybrid).

Owners will be notified by First Class mail about the Recall and will be instructed to bring their vehicles in for a free repair when parts are available.

Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.

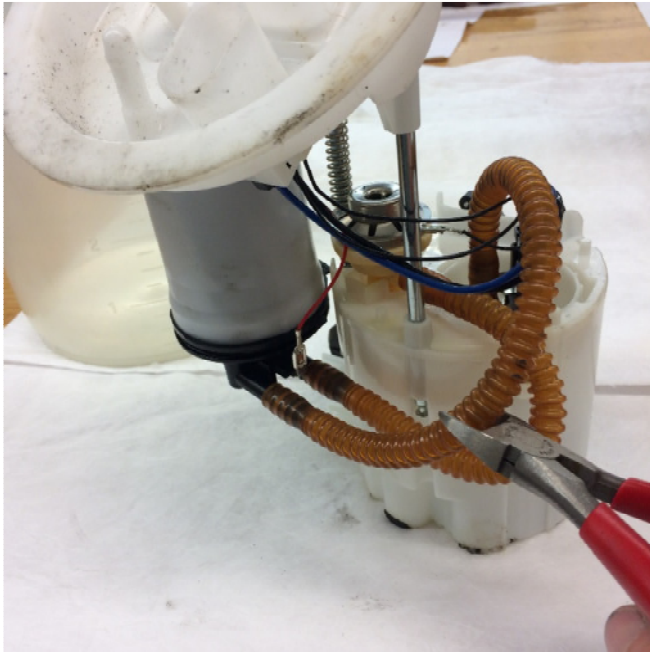
Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.

Please follow any special instructions that we provide to you for the return or disposition of recall parts.

We appreciate all your assistance with this Recall.

Perform the inclusive procedure outlined below before shipping the fuel pump back to the WPRC (Warranty Parts Return Center). Please use the appropriate eye, hand and skin protection.

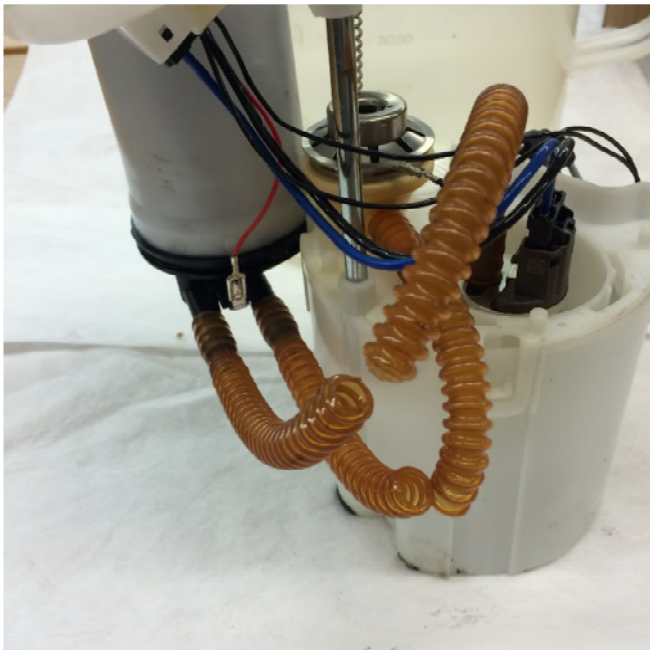
NOTE: If this procedure is not followed and the fuel pump is received with residual fuel, the entire claim may be subject to debit.



1. After removing the pump from the vehicle, place the fuel pump over a suitable container and use a suitable cutting tool (material cutter) to cut the hoses.

Turn the pump in a few different directions to allow the hoses to drain. This may take a few seconds or up to 1 minute.

Suitable cutting tool shown in the illustration.



The hoses are cut in this illustration.

2. After the residual fuel has been drained, the part must be held until requested by the WPRC.

Refer to B01 22 16 for important shipping-related information.