

Retail Operator General Manager	Sales New Motorcycles	Sales Pre-Owned Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
Date: April 2014	Source: SI 01/2014					
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**BMW Motorrad
USA
Service Information Bulletin**

****Notice of recall 13V-617****

Subject: Fuel pump unit / additional fuel pump unit

Model: Model variants of R 1200 (K2x), K 1200 (K4x), K 1300 (K4x), K 1600 (K48), S 1000 RR (K46) across model years 2005-2012

Details: BMW Motorrad has ascertained that fuel pump units and depending on the model, additional fuel pump units, might develop cracks at the mounting location for the quick-action coupling. In very rare cases leaks can occur with a perceptible odor of fuel or the escape of fuel in small quantities.

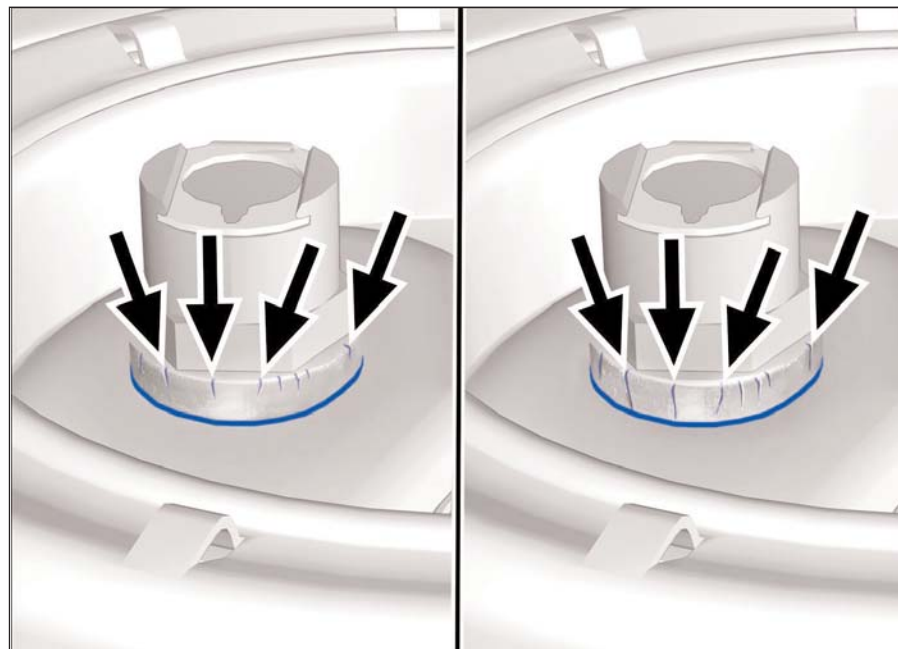


Illustration: Examples of fuel pump flange with cracks (arrows) in the mounting location for the quick-action coupling. Left - No cracks or cracks that do not perceptibly extend to the edge. Right - Cracks extend to or past the edge.

Vehicles affected: In order to determine if a specific vehicle is affected by this Recall Campaign, it will be necessary to verify all vehicle VINs through a DCS Vehicle History Check. Based on the response of the system, either proceed with the repair or take no further action. Please note, affected VINs may not appear until 24-72 hours after the release of this bulletin.

Note: All the vehicles affected have a fuel pump unit with quick-action coupling for the fuel line integrated into the flange. In addition, the R 1200 GS (K25) models up to production date June 2005 and all R 1200 GS Adventure models have an **additional** fuel pump unit with quick-action coupling integrated into the secondary flange. In the case of the R 1200 GS (K25), the quick-action coupling directly at the additional fuel pump unit was discontinued in June 2005, being replaced by a quick-action coupling in the fuel line. The R 1200 GS (K25/11) and the R 1200 GS (K25/31) are not fitted with an additional fuel pump unit.

NHTSA Statement: PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION BULLETIN ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THE VEHICLE IS IN THE SHOP FOR MAINTENANCE OR REPAIRS.

BMW Motorcycle dealers must ensure recalls are completed after having been notified by BMW of North America, LLC (BMW Motorrad USA) that a safety-related defect or noncompliance exists in any motor vehicle or item of replacement equipment in the dealer's possession at the time of notification. In BMW NA's case, this notification would typically be made by the issuance of a recall notification in the form of a Service Information Bulletin (SIB) or transmission of a Dealer Communication System (DCS) recall message.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if a recall campaign is announced by BMW NA, dealers must ensure that all recalls on vehicles and new items of replacement equipment are completed BEFORE delivery to the consumer. This means that dealers may not legally deliver new vehicles or new items of replacement equipment to consumers with an open recall.

The Safety Act also prohibits dealers from selling or leasing the vehicle or item of replacement equipment, unless and until the open recall has been completed BEFORE delivery. This also pertains to motorcycles in the Certified Pre-Owned program, and to items of replacement equipment.

Finally, BMW motorcycle dealers should not sell or use parts that have been recalled by BMW Motorrad USA. Please follow the specific instructions provided by BMW Motorrad USA on the return or disposition of the parts.

Production Solution: Since spring 2011 a support ring made of steel has been installed at the mounting location for the quick-action coupling in series production.

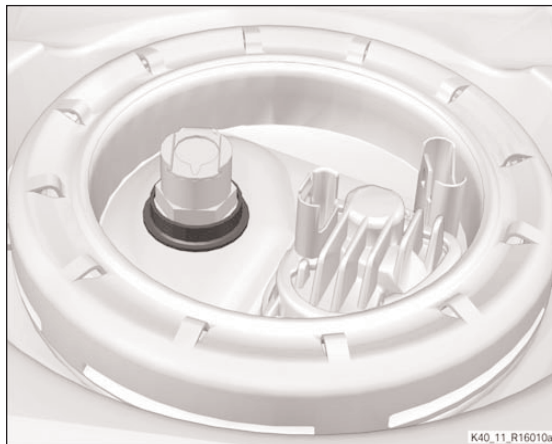


Illustration: Fuel pump flange with support ring (dark gray ring) at the mounting location for the quick-action coupling

Aftersales Solution: When next brought to the workshop, each vehicle affected by this issue will have to have the fuel pump unit and, depending on the model, the additional fuel pump unit checked. These units will have to be repaired or replaced as necessary, in accordance with the findings of the check (see work items 00 60 277 and 00 60 661 for the descriptions).

In the case of the R 1200 GS (K25, 0317), if the additional fuel pump unit requires replacement (quick-action coupling is no longer directly at the flange), the fuel distributor has to be replaced as well.

All the vehicle-specific descriptions are due to be published in the 03/2014 edition of the RSD (Repair and Service Data BMW Motorrad) DVD. From then on, always check the current edition of the RSD DVD for details.

Once the Technical Campaign has been completed, all fuel-pump units and additional fuel-pump units must have a support ring on mounting location for the quick-action coupling.

Warranty: The repair described in this bulletin is covered under warranty regardless of time or mileage. Reimbursement for this Recall Campaign is through normal claim entry utilizing the following information:

Overview of the variants for warranty processing are as follows:

All vehicles affected, except R 1200 GS Adventure and R 1200 GS (K25, 0307/0317)

Variant 1: Vehicles with fuel pump unit requiring repair

Variant 2: Vehicles with fuel pump unit requiring replacement

R 1200 GS Adventure (K25/02, 0382/0397; K25/12, 0380/0390; K25/32, 0470/0480)

Variant 1: Vehicles with fuel pump unit requiring repair

Variant 3A: Vehicles with fuel pump unit requiring replacement

Variant 3B: Vehicles with fuel pump unit and additional fuel pump unit requiring repair

Variant 3C: Vehicles with fuel pump unit requiring replacement and additional fuel pump unit requiring repair

Variant 3D: Vehicles with additional fuel pump unit requiring repair

Variant 4A: Vehicles with fuel pump unit requiring repair and additional fuel pump unit requiring replacement

Variant 4B: Vehicles with fuel-pump unit and additional fuel pump unit requiring replacement

Variant 4C: Vehicles with additional fuel pump unit requiring replacement

R 1200 GS (K25, 0307/0317)

Variant 1: Vehicles with fuel pump unit requiring repair

Variant 3A: Vehicles with fuel pump unit requiring replacement

Variant 3B: Vehicles with fuel pump unit and additional fuel pump unit requiring repair

Variant 3C: Vehicles with fuel pump unit requiring replacement and additional fuel pump unit requiring repair

Variant 3D: Vehicles with additional fuel pump unit requiring repair

Variant 5A: Vehicles with fuel pump unit requiring repair and additional fuel pump unit and fuel distributor requiring replacement

Variant 5B: Vehicles with fuel pump unit and additional fuel pump unit and fuel distributor requiring replacement

Variant 5C: Vehicles with additional fuel pump unit requiring replacement and fuel distributor requiring replacement

Special Tool Set: One Special Tool set 83 30 2 288 532 will be autoshipped to all dealers. This **one** tool set can be claimed one time per dealer by adding the part number to a single warranty claim related to this campaign.

Warranty Processing Information: All FRU amounts are on page 7

Variant 1: Vehicles with fuel pump unit requiring repair

Defect code: 00 16 13 00 00 Checking fuel pump unit.

Labor code: 00 60 277* Checking and repairing fuel pump unit

Part number: 16 14 8 549 916 Set, support rings

Variant 2: Vehicles with fuel pump unit requiring replacement

Defect code: 00 16 13 00 00 Checking fuel pump unit.

Labor code: 00 60 278* Checking and replacing fuel pump unit

Part numbers: see EPC/ETK Fuel pump unit

see EPC/ETK Gasket / flange seal

16 14 7 722 876 Preformed seal

16 12 1 176 918 Hose clamp

**Warranty
Processing
Information
continued:**

Variant 3A: Vehicles with fuel pump unit requiring replacement

Defect code: 00 16 13 00 00 Checking fuel pump unit.
Labor code: 00 60 278* Checking and replacing fuel pump unit
Part numbers: see EPC/ETK Fuel pump unit
16 11 7 677 883 Gasket / flange seal
16 14 7 722 876 Preformed seal

Variant 3B: Vehicles with fuel pump unit and additional fuel pump unit requiring repair

Defect codes: 00 16 13 00 00 Checking fuel pump unit
00 16 14 00 00 Checking additional fuel pump unit
Labor codes: 00 60 277* Checking and repairing fuel pump unit
00 60 661 Checking and repairing additional fuel pump flange
Part number: 16 14 8 549 916 Set, support rings (x2)

Variant 3C: Vehicles with fuel pump unit requiring replacement and additional fuel pump unit requiring repair

Defect codes: 00 16 13 00 00 Checking fuel pump unit.
00 16 14 00 00 Checking additional fuel pump unit
Labor codes: 00 60 278* Checking and replacing fuel pump unit
00 60 661 Checking and repairing additional fuel pump flange
Part numbers: 16 14 8 549 916 Set, support rings
see EPC/ETK Fuel pump unit
16 11 7 677 883 Gasket / flange seal
16 14 7 722 876 Preformed seal

Variant 3D: Vehicles with additional fuel pump unit requiring repair

Defect code: 00 16 14 00 00 Checking additional fuel pump unit
Labor code: 00 60 279* Checking and repairing additional fuel pump flange
Part number: 16 14 8 549 916 Set, support rings

Variant 4A: Vehicles with fuel pump unit requiring repair and additional fuel pump unit requiring replacement

Defect codes: 00 16 13 00 00 Checking fuel pump unit.
00 16 14 00 00 Checking additional fuel pump unit
Labor codes: 00 60 277* Checking and repairing fuel pump unit
00 60 662 Checking and replacing additional fuel pump flange
Part numbers: 16 14 8 549 916 Set, support rings
see EPC/ETK Fuel pump unit
16 11 7 677 883 Gasket / flange seal

Variant 4B: Vehicles with fuel-pump unit and additional fuel pump unit requiring replacement

Defect codes: 00 16 13 00 00 Checking fuel pump unit.
00 16 14 00 00 Checking additional fuel pump unit
Labor codes: 00 60 278* Checking and replacing fuel pump unit
00 60 662 Checking and replacing additional fuel pump flange
Part numbers: see EPC/ETK Fuel pump unit
see EPC/ETK Flange
16 11 7 677 883 Gasket / flange seal (x2)
16 14 7 722 876 Preformed seal

Variant 4C: Vehicles with additional fuel pump unit requiring replacement

Defect code: 00 16 14 00 00 Checking additional fuel pump unit
Labor code: 00 60 281* Checking and replacing additional fuel pump flange
Part numbers: see EPC/ETK Flange
16 11 7 677 883 Gasket / flange seal

**Warranty
Processing
Information
continued:**

Variant 5A: Vehicles with fuel pump unit requiring repair and additional fuel pump unit and fuel distributor requiring replacement

Defect codes:	00 16 13 00 00	Checking fuel pump unit.
	00 16 14 00 00	Checking additional fuel pump unit
Labor codes:	00 60 277*	Checking and <u>repairing</u> fuel pump unit
	00 60 662	Checking and <u>replacing</u> additional fuel pump flange
Part numbers:	16 14 8 549 916	Set, support rings
	16 11 7 675 116	Flange
	16 11 7 677 883	Gasket / flange seal
	13 53 7 703 172	Fuel distributor
	13 53 7 563 456	Fuel Hose
	13 31 7 659 120	Connecting Sleeve
	16 12 1 176 918	Hose clamp (x2)

Variant 5B: Vehicles with fuel pump unit and additional fuel pump unit and fuel distributor requiring replacement

Defect codes:	00 16 13 00 00	Checking fuel pump unit.
	00 16 14 00 00	Checking additional fuel pump unit
Labor codes:	00 60 278*	Checking and <u>replacing</u> fuel pump unit
	00 60 662	Checking and <u>replacing</u> additional fuel pump flange
Part numbers:	16 14 7 684 348	Fuel pump unit with lever-type fuel level sensor
	16 11 7 675 116	Flange
	16 11 7 677 883	Gasket / flange seal (x2)
	16 14 7 722 876	Preformed seal
	13 53 7 703 172	Fuel distributor
	13 53 7 563 456	Fuel hose
	13 31 7 659 120	Connecting sleeve
	16 12 1 176 918	Hose clamp (x2)

Variant 5C: Vehicles with additional fuel pump unit requiring replacement and fuel distributor requiring replacement

Defect code:	00 16 14 00 00	Checking additional fuel pump unit
Labor code:	00 60 281*	Checking and <u>replacing</u> additional fuel pump flange
Part numbers:	16 11 7 675 116	Flange
	16 11 7 677 883	Gasket / flange seal
	13 53 7 703 172	Fuel distributor
	13 53 7 563 456	Fuel hose
	13 31 7 659 120	Connecting sleeve
	16 12 1 176 918	Hose clamp (x2)

*Main Work; Use applicable variant labor operation, each respectively include all repair procedures to complete the task with allowance for necessary ancillary tasks (e.g., visual inspection, lubrication, cleaning parts etc.) and administrative tasks. Only one main labor operation can be claimed per repair visit. All other labor operations within a variant or for any other line(s) must be claimed using plus code labor operations. Please refer to the Warranty Policy and Procedures Manual regarding add-ons, proper support, documentation, claims submission and archiving requirements as applicable.

The following work items are described starting on page 8 of this bulletin:
00 60 277 Checking and repairing fuel pump unit
00 60 661 Checking and repairing additional fuel pump unit
See RSD for fuel pump replacement instructions if necessary.

Special Cases

1) A series production fuel pump is found:

If at any time it is found that an affected motorcycle already has a series production fuel pump with supporting metal ring or series production additional fuel pump with supporting metal ring (from a previous replacement) there is no need to continue with repairs. Submit a warranty claim under defect code 00 16 13 00 00 &/or 00 16 14 00 00 using the model appropriate "Checking and repair" labor code (no parts necessary).

2) The customer is requesting reimbursement for prior repairs of the fuel pump &/or additional fuel pump, motorcycle in the workshop:

1. Review and verify the repair (fuel pump replacement) on the customer-pay invoice (authorized BMW Motorrad dealer only) to ensure it addresses the issue described in this Service Information bulletin.
2. Reimburse the customer (labor and parts).
3. Depending on the previous repair date, the customer may have received a non-current production fuel pump (&/or additional fuel pump) **without** supporting metal ring. Therefore it is necessary to perform the recall repair outlined in this bulletin. (Note: See special case #1 above if a fuel pump (&/or additional fuel pump) with supporting metal ring is found.
4. Submit a warranty claim under defect code 00 16 13 00 00 &/or 00 16 14 00 00 as appropriate for the repair &/or replacement. As part of the claim, submit the customer-paid repair expense as follows:

Sublet Code 3

Dollar amount (with no markup)

Comment: Reimbursement for allowable expenses related to the previous customer pay repair.

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

3) The customer is requesting reimbursement for prior repairs of the fuel pump &/or additional fuel pump, motorcycle is not in the workshop:

If your dealership is presented with a customer-pay invoice for a previous repair to address the issue outlined in this bulletin but the motorcycle is not in the workshop, proceed as follows:

1. Scan and save to a file a copy of the "original" customer-pay invoice (authorized BMW Motorrad dealer only). Retain the "original" customer-pay invoice in your files.
2. Submit a VIN-specific email to Motorrad.Warranties@bmwna.com with the "item 1 file" directly above as an attachment. Include in the subject line "Fuel Pump Recall 13V-617".
3. Warranties will confirm receipt by return email.
4. Proceed and submit a claim for the prior customer-pay repair expense as follows:
 - Defect Code 85 99 00 12 NA
 - Sublet Code 3
 - Dollar amount (with no markup)
 - Comment: Reimbursement for allowable expenses related to the previous customer pay repair.
5. Retain the "original" customer pay invoice in your files.
5. BMW will review the claim and supporting documentation.
6. If the claim is approved, the claim credit will be issued through DCSnet.
7. Your dealership can now issue a reimbursement to the customer for the previous repair.

This claim submission will not close the "Open" Safety Recall, since the vehicle was not available for inspection/repair.

Contact: Service and Technical Manager

Flat rate units											
Variant Identification					Labor codes FRU's						
Model	Series	Type	Variant	Defect code	00 60 277	00 60 278	00 60 279	00 60 281	00 60 661	00 60 662	
R 1200 GS	K25	0307 0317	1, 3A	00 16 13 00 00	5 FRU	8 FRU	-----	-----	-----	-----	
			3B, 3C, 5A, 5B	00 16 13 00 00 00 16 14 00 00	5 FRU	8 FRU	-----	-----	1 FRU	7 FRU	
			3D, 5C	00 16 14 00 00	-----	-----	5 FRU	9 FRU	-----	-----	
R 1200 GS Adventure	K25/02	0382 0397	1, 3A	00 16 13 00 00	5 FRU	9 FRU	-----	-----	-----	-----	
			3B, 3C, 4A 4B	00 16 13 00 00 00 16 14 00 00	5 FRU	9 FRU	-----	-----	1 FRU	1 FRU	
			3C, 4C	00 16 14 00 00	-----	-----	5 FRU	9 FRU	-----	-----	
HP2 Megamoto	K25/03	0310 0320	1, 2	00 16 13 00 00	5 FRU	8 FRU	-----	-----	-----	-----	
R 1200 GS	K25/11	0303 0313	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 GS Adventure	K25/12	0380 0390	1, 3A	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
			3B, 3C, 4A, 4B	00 16 13 00 00 00 16 14 00 00	5 FRU	7 FRU	-----	-----	1 FRU	1 FRU	
			3C, 4C	00 16 14 00 00	-----	-----	5 FRU	7 FRU	-----	-----	
R 1200 GS	K25/31	0450 0460	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 GS Adventure	K25/32	0470 0480	1, 3A	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
			3B, 3C, 4A, 4B	00 16 13 00 00 00 16 14 00 00	5 FRU	7 FRU	-----	-----	1 FRU	1 FRU	
			1, 2	00 16 14 00 00	-----	-----	5 FRU	7 FRU	-----	-----	
HP2 Enduro	K25HP	0369 0389	1, 2	00 16 13 00 00	6 FRU	9 FRU	-----	-----	-----	-----	
R 1200 RT	K26	0368 0388	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R900 RT	K26	0367 0387	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 RT	K26/11	0430 0440	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R900 RT	K26/11	0330 0340	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 R	K27	0378 0398	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 R	K27/11	0400 0490	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 ST	K28	0328 0338	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
R 1200 S	K29	0366 0396	1, 2	00 16 13 00 00	5 FRU	6 FRU	-----	-----	-----	-----	
HP2 Sport	K29/HP	0458 0468	1, 2	00 16 13 00 00	5 FRU	6 FRU	-----	-----	-----	-----	
K 1200 S	K40	0581 0591	1, 2	00 16 13 00 00	5 FRU	7 FRU	-----	-----	-----	-----	
K 1300 S	K40/11	0508 0509	1, 2	00 16 13 00 00	7 FRU	9 FRU	-----	-----	-----	-----	
K 1200 R	K43	0584 0594	1, 2	00 16 13 00 00	6 FRU	9 FRU	-----	-----	-----	-----	
K 1300 R	K43/11	0518 0519	1, 2	00 16 13 00 00	8 FRU	11 FRU	-----	-----	-----	-----	
K 1200 R Sport	K43/HV	0585 0595	1, 2	00 16 13 00 00	7 FRU	10 FRU	-----	-----	-----	-----	
K 1200 GT	K44	0587 0597	1, 2	00 16 13 00 00	8 FRU	11 FRU	-----	-----	-----	-----	
K 1300 GT	K44/31	0538 0539	1, 2	00 16 13 00 00	8 FRU	11 FRU	-----	-----	-----	-----	
S1000 RR	K46	0507 0517	1, 2	00 16 13 00 00	5 FRU	6 FRU	-----	-----	-----	-----	
K 1600 GT	K48	0601 0611	1, 2	00 16 13 00 00	5 FRU	9 FRU	-----	-----	-----	-----	
K 1600 GTL	K48	0602 0612	1, 2	00 16 13 00 00	5 FRU	9 FRU	-----	-----	-----	-----	

Work items: 00 60 277 Checking and repairing fuel pump unit
00 60 661 Checking and repairing additional fuel pump unit

1: Preparatory work

See latest RSD for applicable model

Warning !

Fuel is flammable and is hazardous to your health. Observe all applicable safety regulations.

2: All model variants

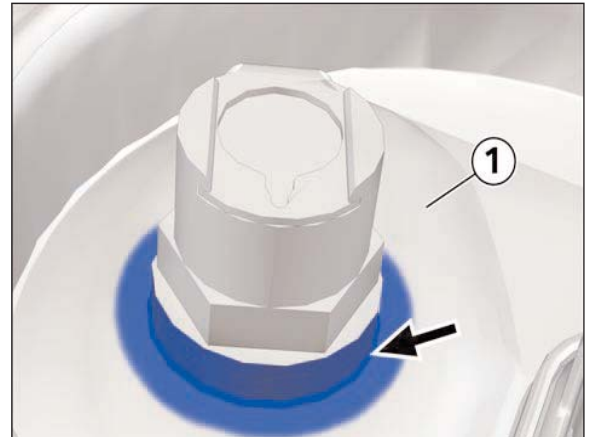
Checking fuel pump unit and if applicable additional fuel pump unit for cracks

Requirement

No support ring installed in shaded area (arrow).

Clean fuel pump unit / additional fuel pump unit (1) where indicated (arrow) with a solvent-free cleaning agent and a cloth.

Fuel pump unit / additional fuel pump unit (1) is absolutely clean, dry and free of dust and grease.



Attention

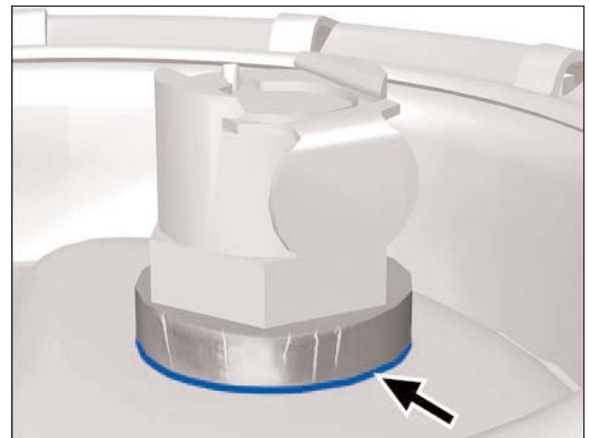
The use of unsuitable cleaning and care products can damage vehicle components. Do not use solvents such as cellulose thinners, cold cleaners, fuel or the like, and do not use cleaning products that contain alcohol.

3: When checking, note the distance of the cracks from the edge (arrow) of the mounting location.

Note

The number and width of cracks are of no relevance in the assessment.

If leaks are present, if cracks in the mounting location extend to the bottom (arrow), or if the the mounting location diameter exceeds a certain measurement, then the fuel pump must be replaced with the current production design which includes the reinforcing ring.



4: Check

Check the fuel pump unit / additional fuel pump unit for cracks extending all the way to the edge

Result

No cracks or cracks that do not perceptibly extend to the edge (arrow with check mark).

Measure

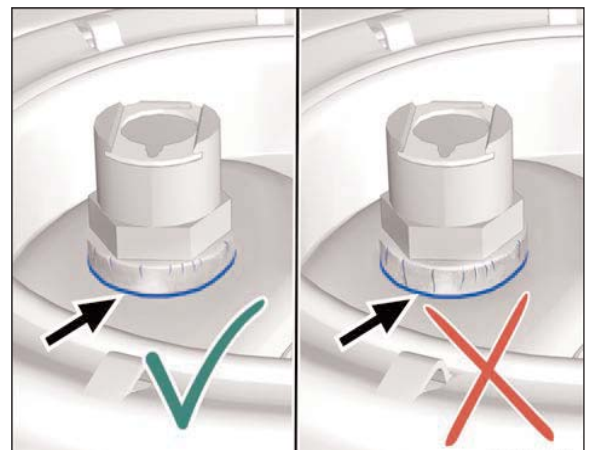
Repair the fuel pump unit.

Result

Cracks extend to or past the edge (arrow with x).

Measure

Replace the fuel pump unit / additional fuel pump unit.



5: Repairing fuel pump unit / additional fuel pump unit

Determining size of support ring

Check

Position each end of gauge (16 1 731) respectively on the mounting location (1) of the fuel pump unit and where applicable on the additional fuel pump unit.

Note

The end of the gauge with a dimple is wider than the end without a dimple.

Result

The gauge is difficult to turn, sticks when turned or cannot be pushed on.

Measure

Replace fuel pump unit / additional fuel pump unit.

Result

Gauge can be turned without snagging or sticking.

Measure

Select the support ring size on the basis of the gauge.

Technical data	
Gauge (16 1 731) end without dimple	
Support ring without mark	23.25 mm
Gauge (16 1 731) end with dimple (arrow)	
Support ring with mark (arrow)	23.50 mm

6: Mounting adapter on fuel pump unit

Only for 0507/0517 - S 1000 RR (K46)

Remove screws (1).

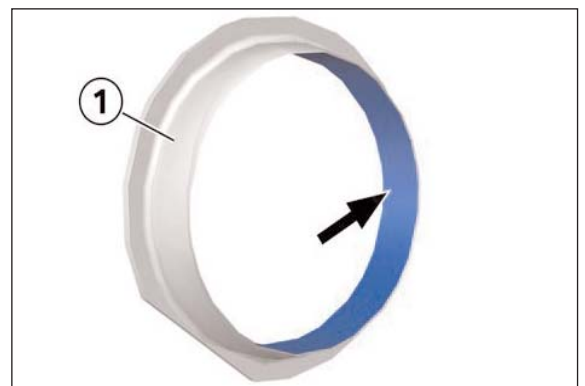
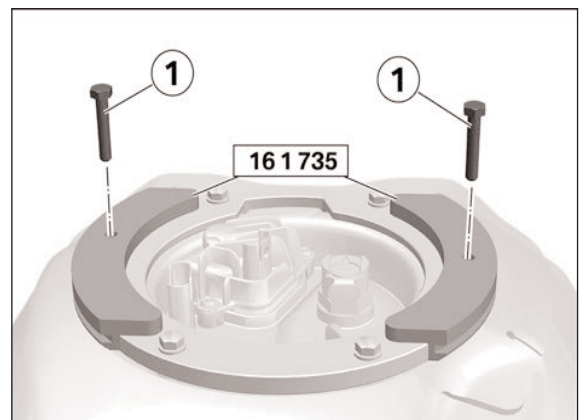
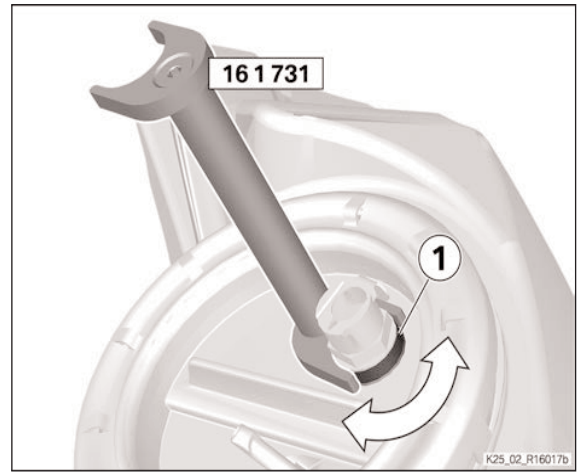
Place adapter mounts (16 1 735) in position on left and right.

Install screws (1).

Tightening torques	
Fuel pump to fuel tank	
M5 x 20	5 Nm

7: All Model variants

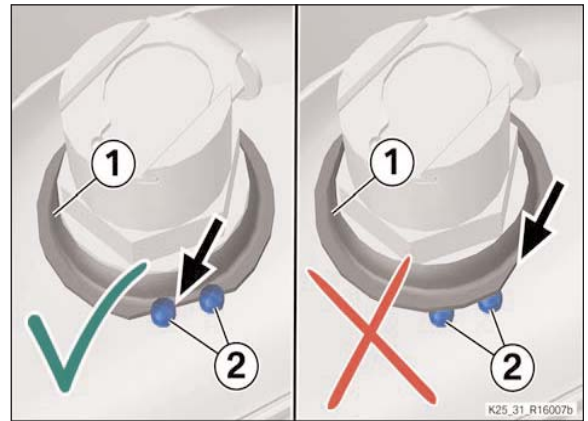
Lubricate support ring (1) on the inside (arrow) with the lubricant enclosed in the tool kit.



8: All Model variants

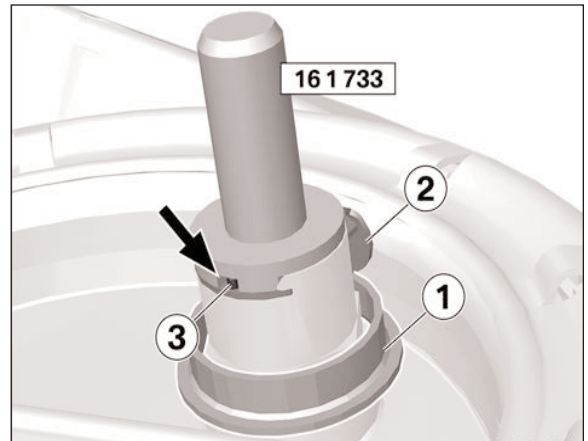
Place support ring (1) in position.

Position support ring (1) in such a way that the trimmed side (arrow) is toward pins (2) (if present) and is not blocked.



9: With support ring (1) in position.

Open latch (2) for the fuel delivery line and, applying light pressure, press guide adapter (16 1 733) into the female coupling, making sure that release pin (3) is seated in the recess (arrow) of the counter-flange.



10: Hold selected support ring (1) in position and, if applicable, align the trimmed side with the marks.

Place thrust piece (16 1 734) in position.

11: Position press-fitting tool (16 1 732) on the fuel pump unit / additional fuel pump unit (1) and secure

Align press-on screw (2) and position it at thrust piece (16 1 734).

Tighten press-on screw (2) only to the specified tightening torque and press-fit support ring (3).

Note

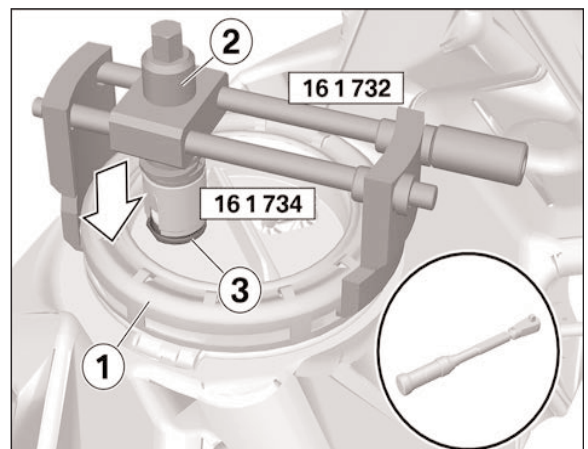
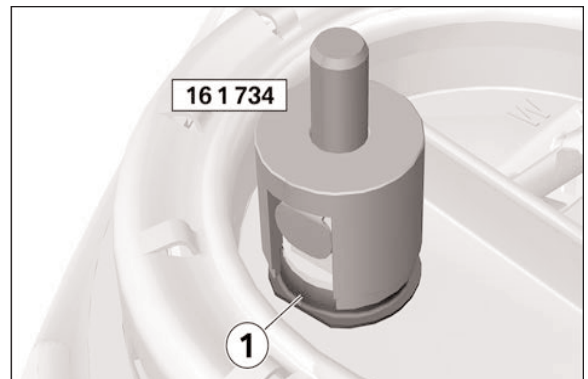
The application of excessive tightening torque will result in damage to the fuel pump / additional fuel pump flange.

Tightening torques	
Tightening torque of press on screw	6 Nm

12: After press-fitting the support ring, remove press-fitting tools 16 1 732/733/734 and if used 735.

Finishing work

13: Check the work performed achieved the intended purpose. Assemble per latest RSD for applicable model.



Attention: Lightly touching the latching pin of the female connector can cause the connector to latch. If this happens and force is applied in an attempt to join the male and female elements of the quick-action coupling, damage to the O-rings can result, and the O-rings will leak. Make sure that the latch is open/pressed when you connect the two elements of the quick-action coupling in the fuel lines.