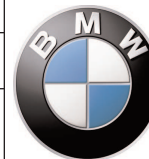


Retail Operator General Manager	Sales New Motorcycles	Sales Pre-Owned Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
Date: July 2009		Source: SI 24/2009				
Bulletin # 34 002 09 (029)		Name: Shawn McLean				
		Title: Service & Technical Manager				
		Phone: 201-307-4131				



BMW Motorrad USA Service Information Bulletin

****Advanced notice of recall****

Subject: Conversion of brake line and update of engine management system

Model: R 1200 RT (K26) with the "Official-user order" optional extra (option code 0359)

Details: A combination of unfavorable tolerances can mean that the brake lines installed on the above-mentioned motorcycles might be under strain. The vibrations that occur when the motorcycle is being ridden could cause the brake lines to develop leaks, allowing brake fluid to escape. If this happened it would cause the level of fluid in the reservoir of the front brake system to drop. If the level drops until the reservoir is completely empty the result can be failure of the front brakes. This problem applies only to the brake lines of the front-wheel circuit.

Motorcycles affected: In order to determine if a specific motorcycle is affected by this Technical Campaign, it will be necessary to verify all motorcycle 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 24-48 hours after the release of this bulletin.

NHTSA Statement: Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

Production Solution: New brake lines have been used in series production since April 29th, 2009. These new brake lines are significantly more resistant to the effects of vibration and strain. The brake lines with modified geometry (sequence of bends) also have sleeves at the connectors.

Aftersales Solution: In the case of motorcycles still on your premises, you are requested to undertake the work involved before your customers take delivery.

The motorcycles affected by this problem must be converted immediately to match the series-production status (brake line with sleeves).

The procedure for conversion is as described in work item 00 60 168. It is absolutely essential to comply with the tightening torques and sequences of assembly operations as stated in these instructions. It is very important to ensure that the brake lines are free of strain when installed.

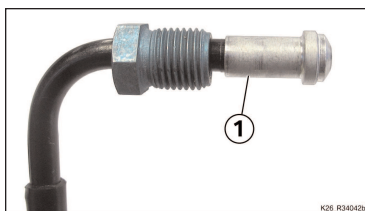


Illustration: New brake line with modified geometry and sleeve (1)

Note: The RSD (Repair & Service Data BMW Motorrad) data (such as tightening torques, sequences of assembly operations and graphics) will be updated in the next edition.

Update of engine management system CIP 13.2

Within the framework of this Recall, the release status of the data in the BMS-KP of all the motorcycles affected has to be checked and if necessary updated. The release status must correspond to CIP 13.2 or later.

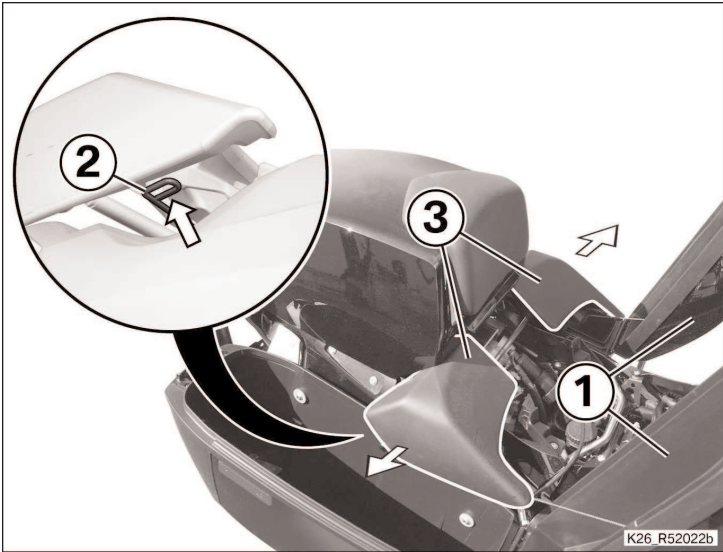
Important Note: Only those VINs that show an open campaign for defect code 00 13 18 00 00 will need to have the BMS-KP data checked and if necessary updated. **Most** of the VINs affected by defect code 00 00 34 72 00 will also be affected by defect code 00 13 18 00 00, but **not all**.

Warranty: The repair described in this bulletin is covered under warranty regardless of time or mileage.

Warranty Information:	Defect code:	00 00 34 72 00	Conversion, brake line with sleeve, official-user motorcycles
	FRU code:	00 60 168	R 1200 RT Conversion brake lines, 20 FRUs
	Part number:	34 32 7 722 286	1x Repair set, front brake lines
	Sublet	Brake Fluid	Sublet Code 4 Not to exceed \$4
	Defect code:	00 13 18 00 00	Update, official user motorcycles BMS-KP CIP 13.2
	FRU code:	61 00 502	R 1200 RT Testing software (See RSD for labor time)
	and if necessary:		
		13 61 522	R 1200 RT Programming control unit of engine management system (See RSD for labor time)

Contact: Service and Technical Manager

0388 - R 1200 RT



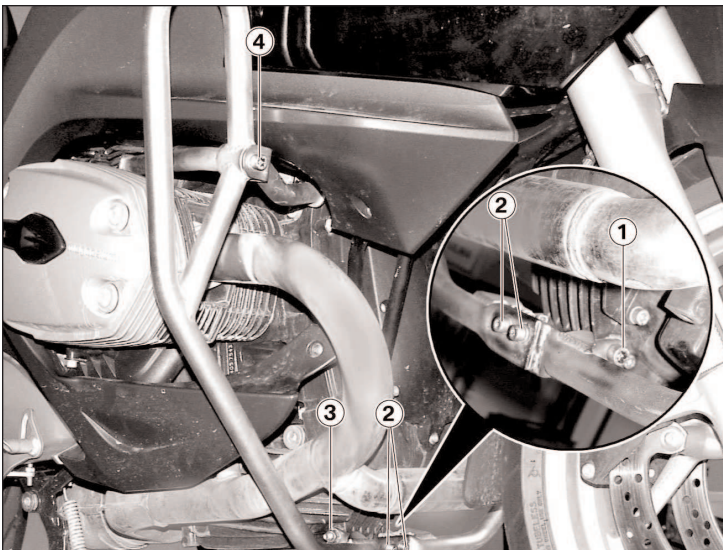
Remove the seat

Open lid 1.

Push catches 2 up.

Carefully pull out seat extensions 3.

Pull the seat to the rear to remove.



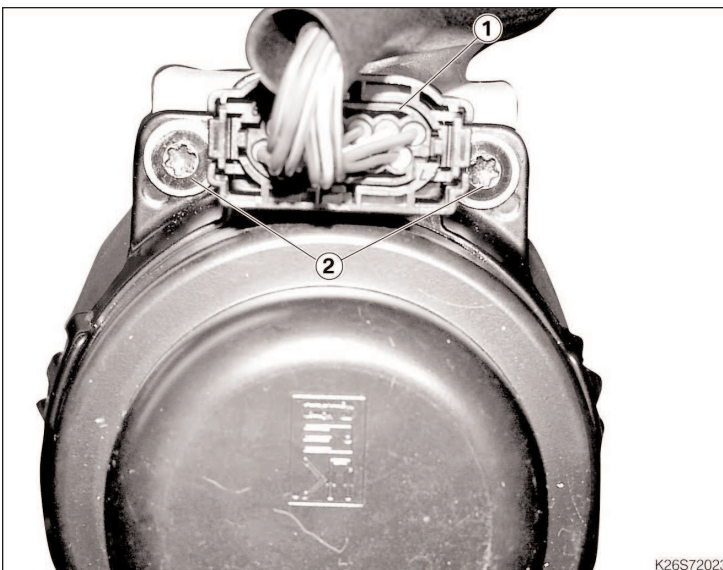
Remove both front safety bars

Remove screws 2 together with washers.

Remove screw 1 and nut 3.

Remove screws 4.

Remove both safety bars.



Removing loudspeaker for hailing system

Remove the cover.

Disconnect plug 1 of the loudspeaker.

Remove screws 2 and remove the loudspeaker.

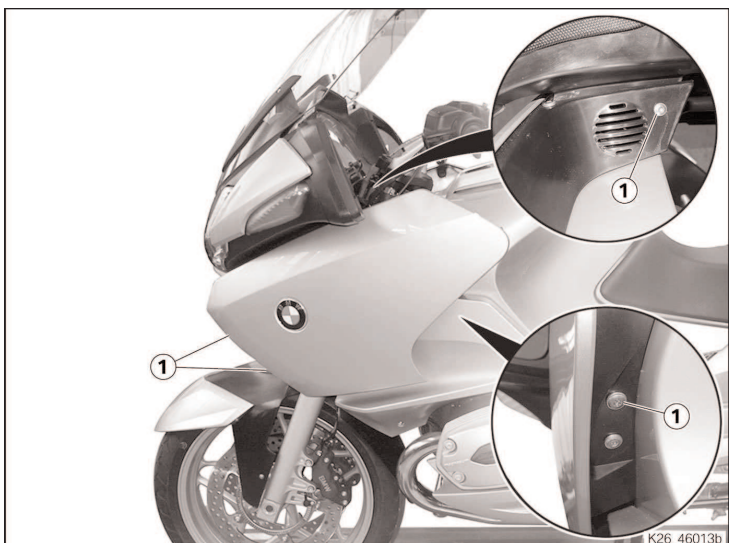


Disengaging tank rail

Remove screws 1.

Protect the windscreen to prevent scratches.

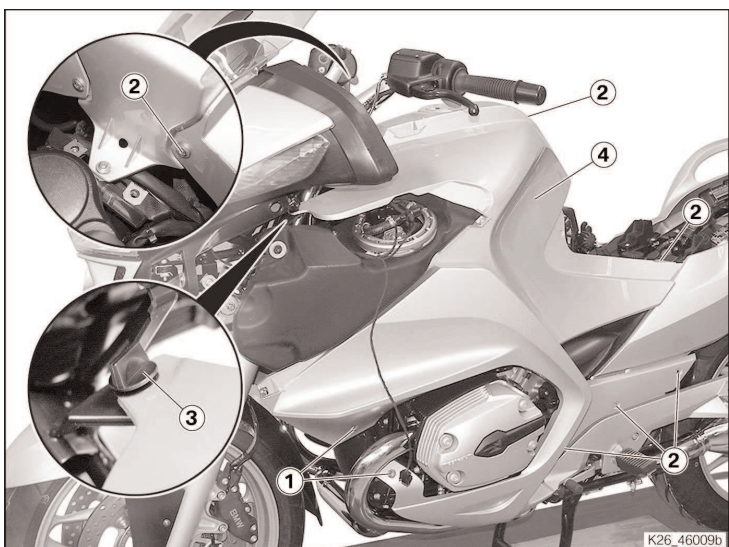
Lift off the tank rail and secure it to the windscreen.



Disengaging left-hand trim panel

Remove screws 1.

Ease the trim panel forward out of the way and secure it with cable ties.



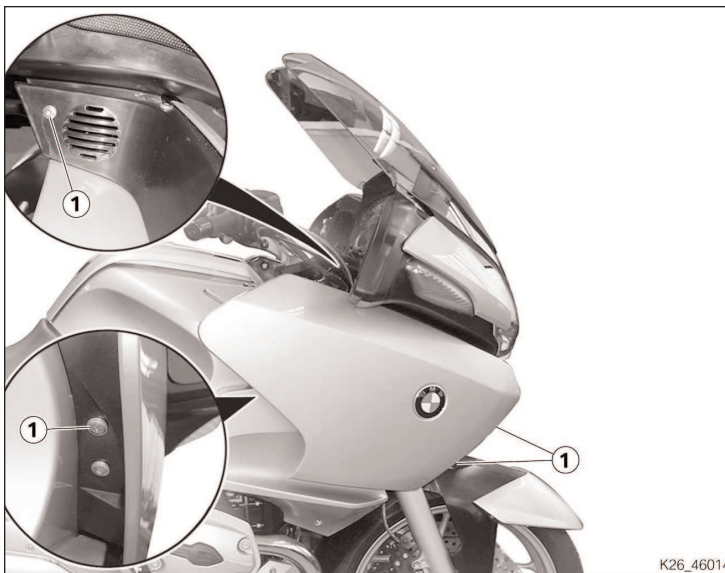
Removing left fuel-tank cover

Remove screws 1.

Remove screws 2.

Open catch 3.

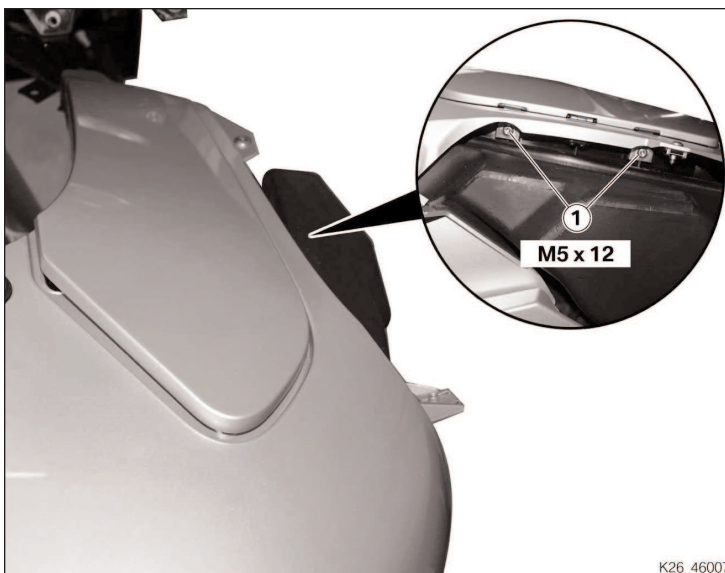
Remove fuel-tank cover 4.



Disengaging right-hand trim panel

Remove screws 1.

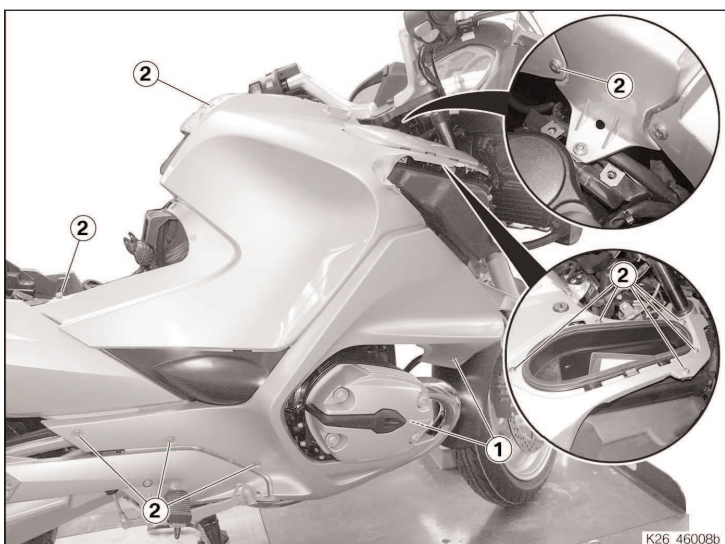
Ease the trim panel forward out of the way and secure it with cable ties.



Removing storage compartment lid

Remove screws 1.

Remove storage compartment lid.

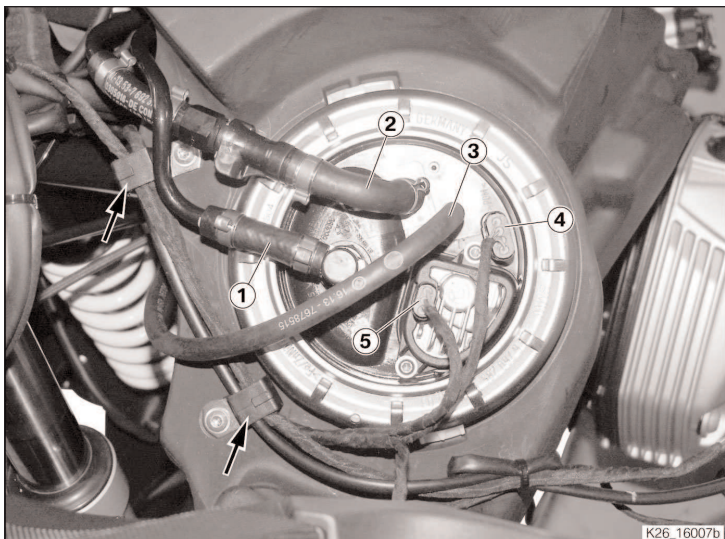


Removing right fuel-tank cover

Remove screws 1.

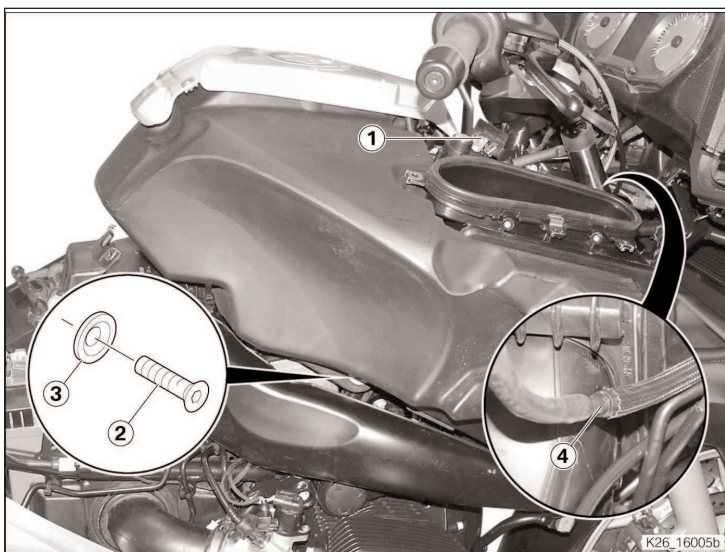
Remove screws 2.

Remove fuel tank cover.

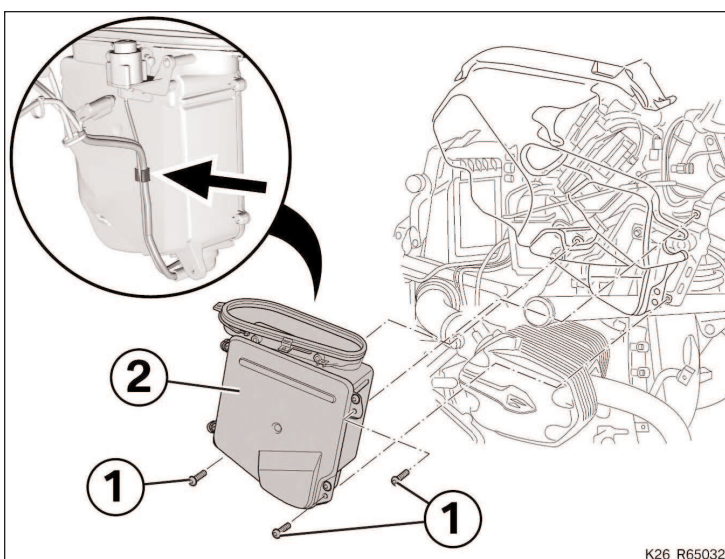


Remove the fuel tank

Disconnect quick-release couplings 1 and 2 of the fuel lines.
 Disconnect overflow hose 3.
 Disconnect plugs 4 and 5.
 Disengage the cables from the clips (arrows).

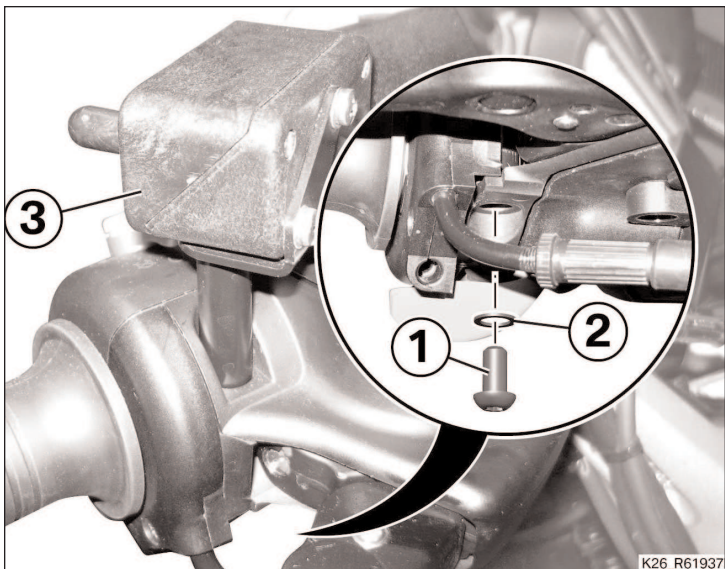


Remove screw 1.
 Remove screws 2 together with washers 3 on left and right.
 Disengage breather hose 4 from the holder and disconnect.
 Remove fuel tank.



Removing stowage compartment

Remove screws 1.
 Unclip the cable from the holder arrow.
 Secure stowage compartment 2 to the frame with a strap.



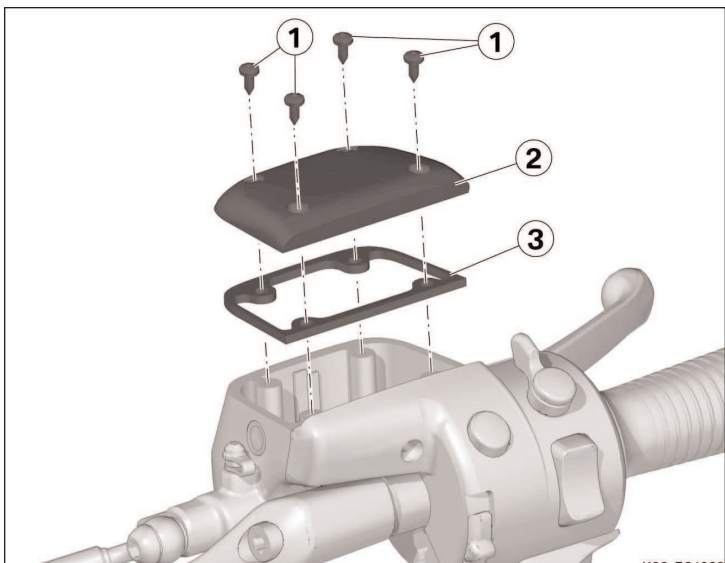
Note:

Draining front brake circuit

Drain the brake system only to the extent necessary for the tasks in question to be performed.

Disengaging switch

- Remove screw 1 with washer 2.
- Remove switch 3.

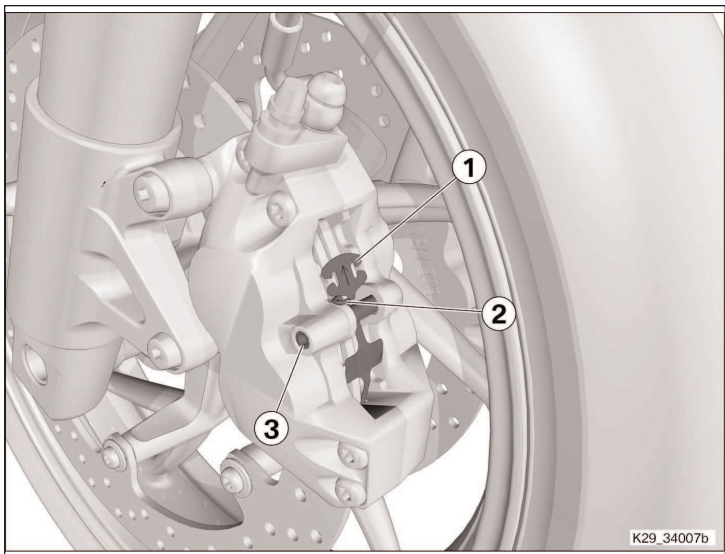


Attention:

Brake fluid attacks paintwork, plastic and rubber parts.

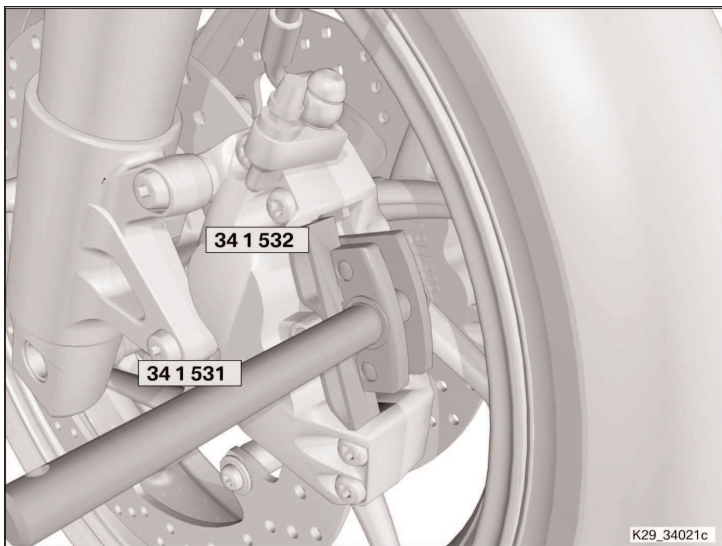
Do not allow brake fluid to come into contact painted plastic parts or rubber parts.

- Remove screws 1 and remove reservoir cap 2 and gasket 3.
- Draw off the old brake fluid and clean the reservoir.
- Loosely install cap 2.

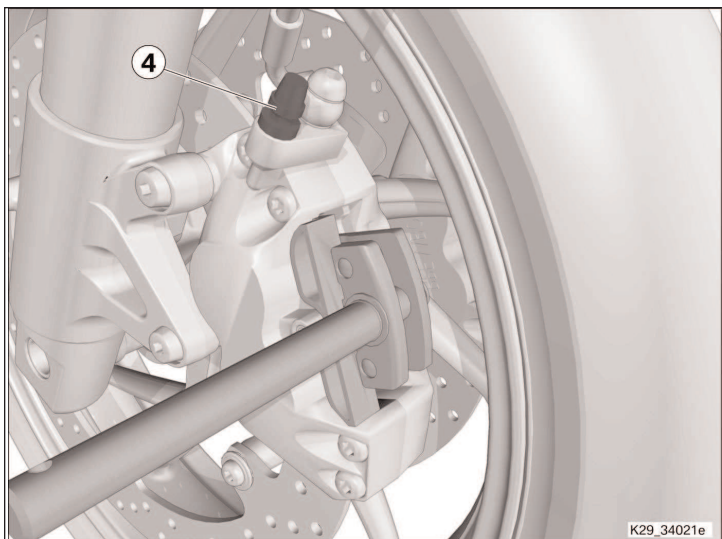


Removing front brake pads

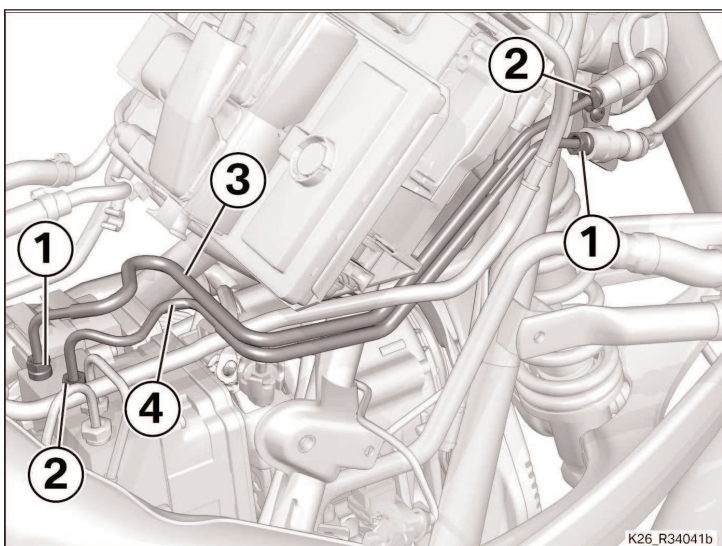
- Remove retainer 2.
- Remove screw 3.
- Remove spring 1.
- Remove the brake pads.



Install piston resetting device (34 1 531) and locator (34 1 532) in the brake caliper and force the brake pistons all the way back.



Connect the brake bleeding device to bleed screw 4 in the brake caliper. Open the bleed screw by half a turn. Draw off brake fluid until it ceases to emerge. Repeat this procedure with the second brake caliper.

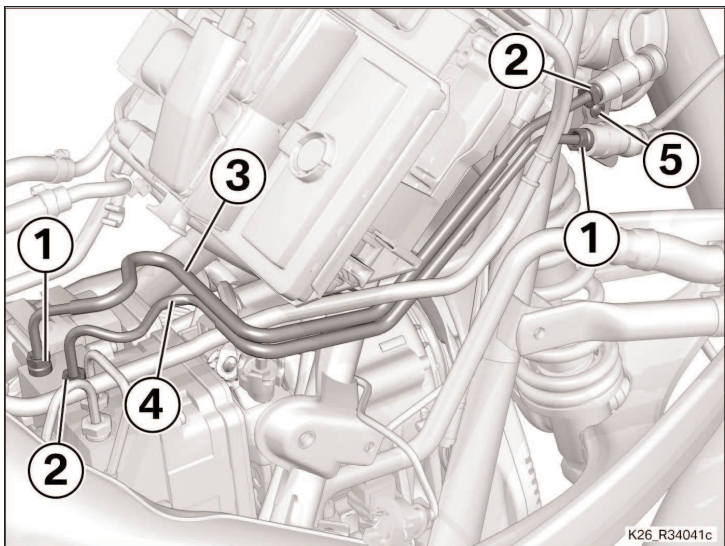


Removing brake lines from/to pressure modulator

Remove union screws 1 and 2.
Remove brake lines 3 and 4.

Attention:

Stretched, twisted or incorrectly fitted brake lines can become worn and start to leak. Do not bend or clamp brake lines. When fitting, check that they are correctly installed and secured and are not stretched, bent or clamped. Check ease of movement of all parts, including when handlebars are in place.



Installing brake lines from/to pressure modulator

Slacken screw 5.
Align brake lines 3 and 4, making sure they are free of strain.
Hold union screws 1 and 2 in position and screw in by hand.
Tighten screw 5.

Tightening torques	
Distributor to front frame	
M6 x 12	11 Nm

Tighten down unions screws 1 and 2, while counterholding the transfer fitting.

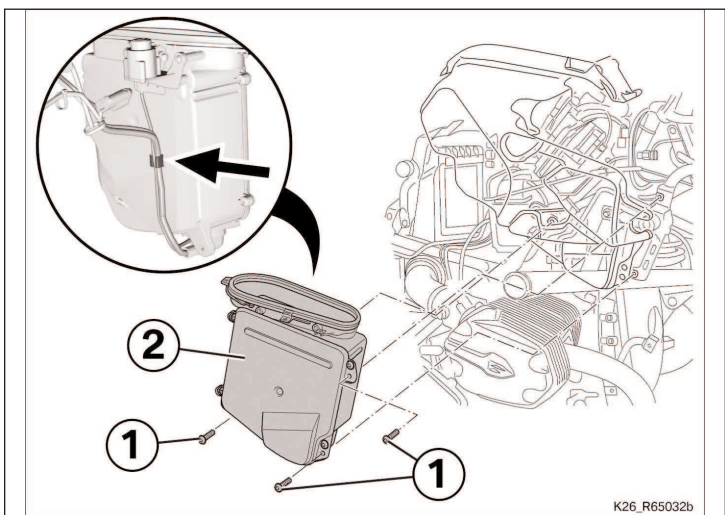
Tightening torques	
Union nut, brake pipe	
M10 x 1	14 Nm
Union nut, brake pipe	
M12 x 1	14 Nm

Filling and bleeding front brake system

Fill and bleed the front brake system.

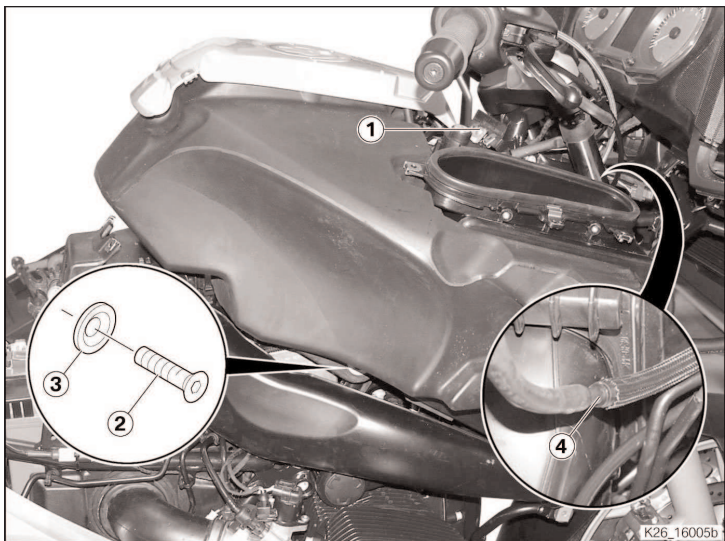
Leak check of brake lines

Operate the brakes and maintain brake pressure.
Check the brake system for leaks.



Installing stowage compartment

Clip the cable into the holder (arrow).
Hold stowage compartment 2 in position and secure it with screws 1.



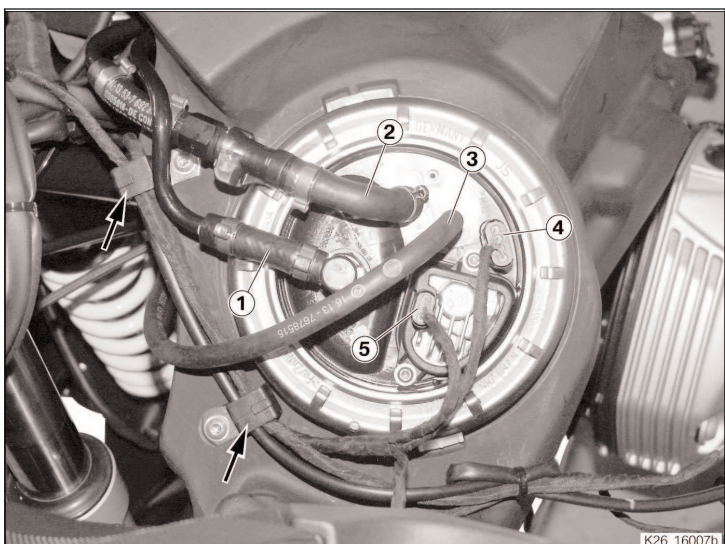
Install the fuel tank

Push the fuel tank from behind into the rubber mounts on the frame. Make sure that no lines, hoses or Bowden cables are trapped. Connect breather hose 4 and secure it in the holder.

Install screws 2 together with washers 3 on left and right.

Tightening torques	
Fuel tank to link/rear frame	
M8 x 40	16 Nm

Install screw 1.



Secure the cables in the retaining clips (arrows).

Make sure that the plug connections 4 and 5 are dry.

Connect plugs 4 and 5.

Connect overflow hose 3.

Check the O-rings in the quick-action couplings for damage; replace if necessary. Lubricate the quick-action couplings to facilitate assembly.

Fluids and lubricants
Molykote 111 (11 00 7 660 832)

Open the latches on the female couplings of fuel delivery lines 1 and 2 and, applying light pressure, press the male adapter into the female coupling.

The couplings engage with an audible click.

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 close 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 couplings in the fuel lines.

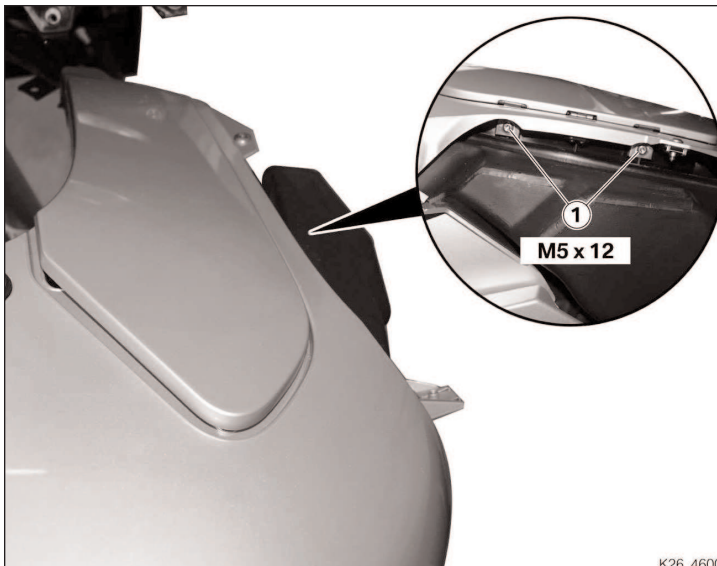


Install the right fuel-tank cover

Place the tank cover in position.

Install screws 2.

Install screws 1.

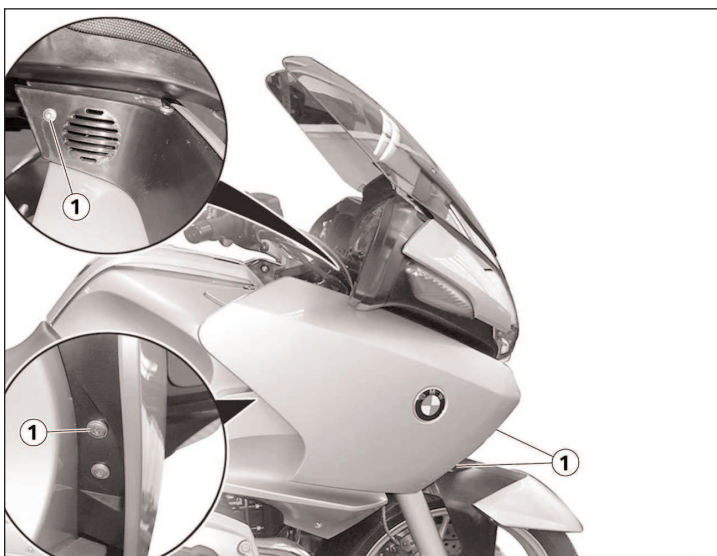


Installing storage compartment lid

Place the storage compartment lid in position, making sure that the seal is not damaged.

Latch storage compartment lid in lock and align.

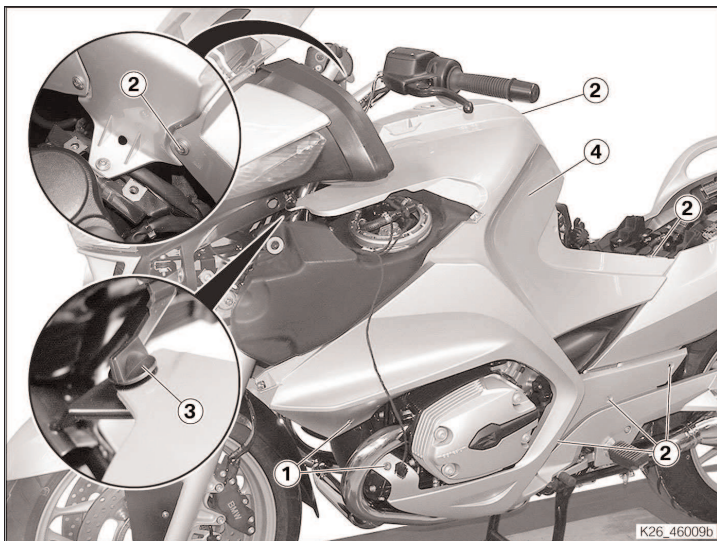
Install short screws 1.



Installing right-hand trim panel

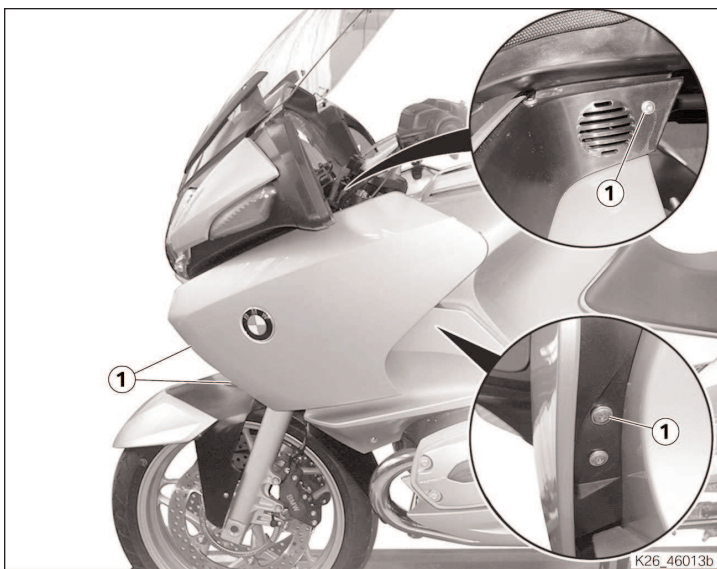
Hold the panel in position.

Install screws 1.



Install the left fuel-tank cover

Place the tank cover in position.
Install screws 2.
Secure catch 3.
Install screws 1.



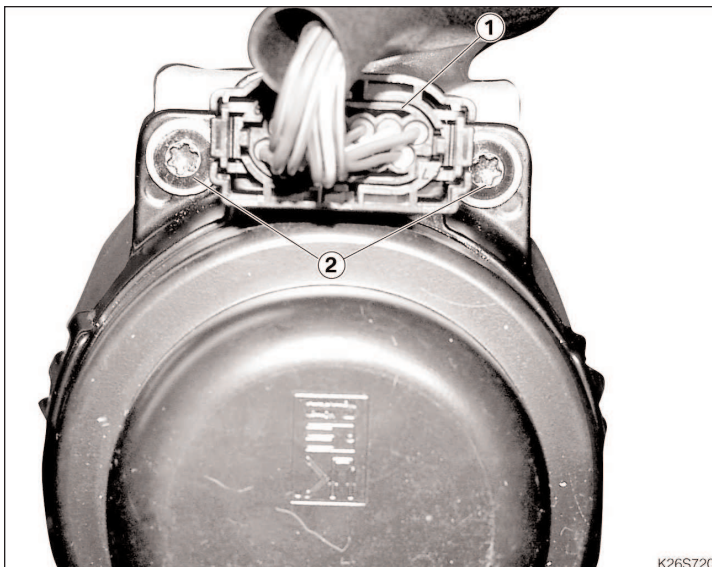
Securing left-hand trim panel

Hold the panel in position.
Install screws 1.



Installing tank rail

Place the tank rail in position.
Install screws 1.



Installing loudspeaker for hailing system

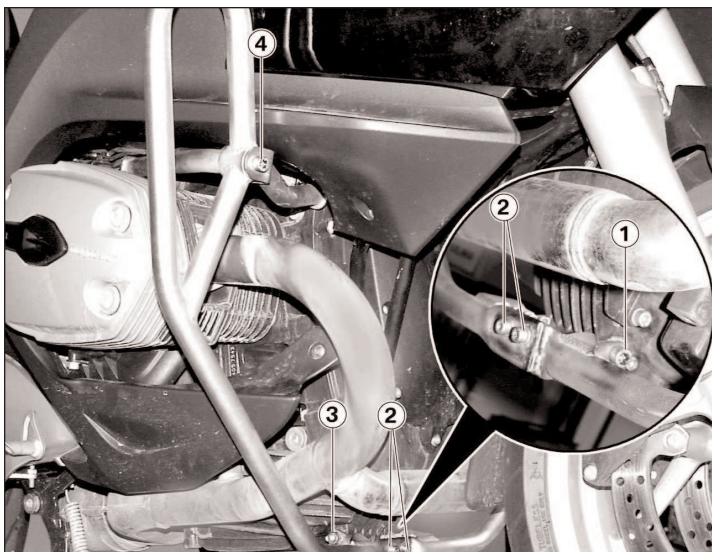
Note:

The control unit is built into the left loudspeaker. Make sure that the loudspeakers are installed on the correct sides.

Hold the loudspeaker in position and secure it with screws 2.

Tightening torques	
Loudspeaker to bracket, loudspeaker	
M6 x 16	8 Nm

Connect plug 1 for the loudspeaker. Install the cover.



Installing both front safety bars

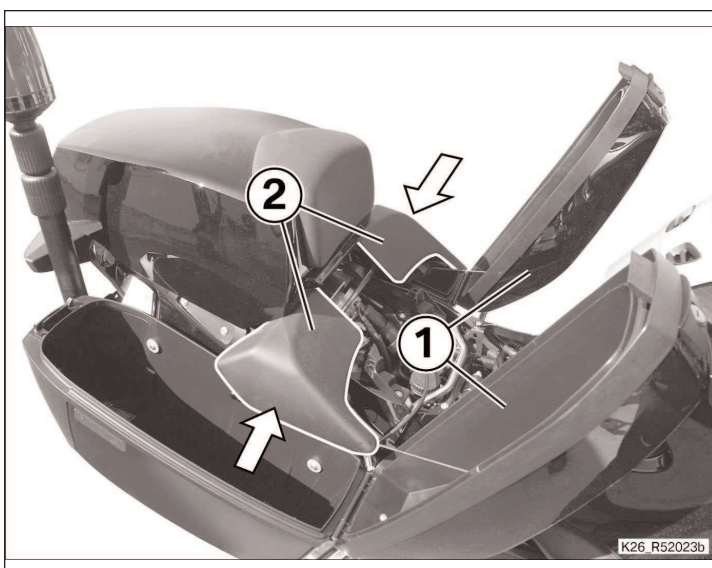
Hold each safety bar in turn in position and secure them with screws 4 without fully tightening the screws.

Install screw 1 and nut 3.

Install screws 2.

Tighten screws 1, 2 and 4.

Tightening torques	
Guard, front, to carrier for guard	
M8 x 50	19 Nm
Guard, front, to engine block	
M8 x 85	19 Nm
Guard, front left, to guard, front right	
M6 x 18	8 Nm



Install the seat

Introduce the front seat into the front latching mechanism.

Push in seat extensions 2.

Close case lid 1.