

Dealer Operation/ General Manager	Sales- Motorcycles	Sales - Used Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
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BMW Motorrad USA

Service Information Bulletin

****Notice of Recall 08V-254****

Subject: Conversion to new brake lines

Model: R 1200 GS (K25), R 1200 R (K27), R 1200 ST (K28) with second-generation integral ABS (option code 0630)

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 these brake lines to develop leaks, allowing brake fluid to escape.

This in turn would cause the level of fluid in the reservoir of the front brake system to drop. If this goes unnoticed until the reservoir is empty the result can be failure of the front brakes.

This problem applies only to the brake lines of the front-wheel circuit.

The ABS pressure modulator is not affected and does not have to be replaced.

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.

Motorcycles affected: In order to determine if a specific motorcycle is affected by this Recall 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.

Production Solution: New brake lines that are significantly more resistant to the effects of vibration and strain are now being used in series production. Their modified geometry (sequence of bends) allows for tolerances and thus ensures that the lines are not under strain in their installed positions.

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

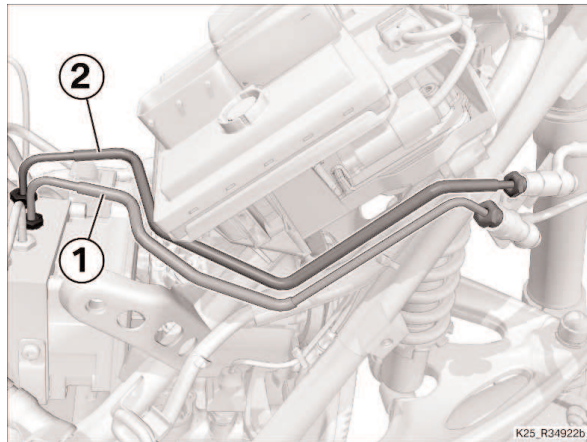
Convert the motorcycles in question by following the applicable model-specific instructions as stated below. Be sure to comply with the tightening torques and sequences of assembly operations as stated in these instructions. Make sure that the brake lines are installed in such a way as to be completely free of strain.

Note: The RSD data (tightening torques, sequences of assembly operation and graphics) will be updated in the next editions.

Model: R 1200 GS (K25) 0317

Preparatory work:
Remove the seat
Remove the side covers
Remove the side panel
Remove the fuel tank
Drain the front brake circuit

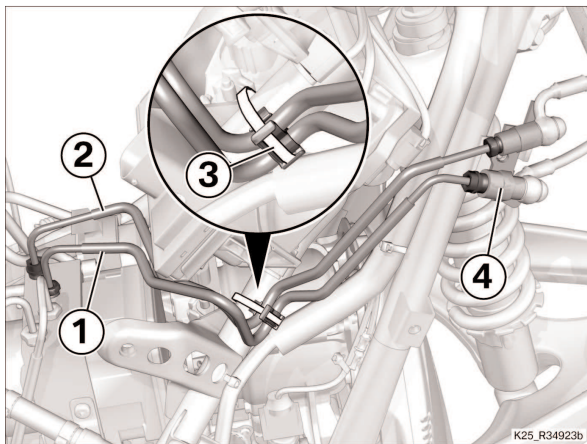
Core activity:



- Disengage the fuel hose with clip from brake line (2).
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- Remove front brake line (2) to the pressure modulator.
- Remove front brake line (1) from the pressure modulator.
- Undo the threaded fastener of adapter (4).
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Note

- The following components have to be replaced:
- Front brake line (1) to the pressure modulator
 - Front brake line (2) from the pressure modulator
- The following component is a new addition:
- Holder for brake lines with cable tie (3)



- Clip holder (3) to brake line (1) from the pressure modulator.
- Install new brake pipe (1) from the pressure modulator with holder (3) and tighten both union screws by hand.
- Align adapter (4) with the frame and tighten.
- Tighten the union screw at the adapter to the specified torque. In this process, counter-hold the adapter at the tool flats.
- Tighten the union screw at the pressure modulator to the specified torque.

Tightening torques

Union screw, brake line	All	14 Nm
Adapter to frame	M6 X 16	8 Nm

- Install new front brake line (2) to the pressure modulator, clip it into holder (3) and tighten both union screws by hand.
- Use a cable tie to secure holder (3) to the frame.
- Tighten the union screw at the adapter to the specified torque. In this process, counter-hold the adapter at the tool flats.
- Tighten the union screw at the pressure modulator to the specified torque.

Tightening torques

Union screw, brake line	All	14 Nm
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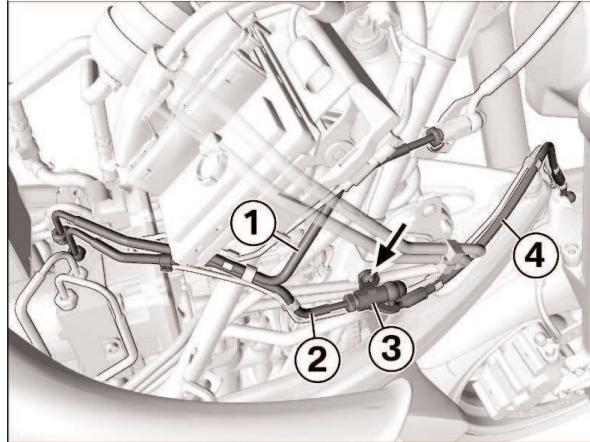
Finishing work:
Bleed the front brake system (for description see RSD item No. 34 00 507)
Perform a leak check of the brake lines
Install the fuel tank
Install the side panel
Install the side covers
Install the seat
Final check of work performed

Model: R 1200 R (K27) 0389

Preparatory work:

- Install the rear-wheel stand special tool (motorcycle without center stand)
- Remove the seat
- Remove the side covers
- Remove the side panel
- Remove the fuel tank
- Drain the front brake circuit

Core activity:

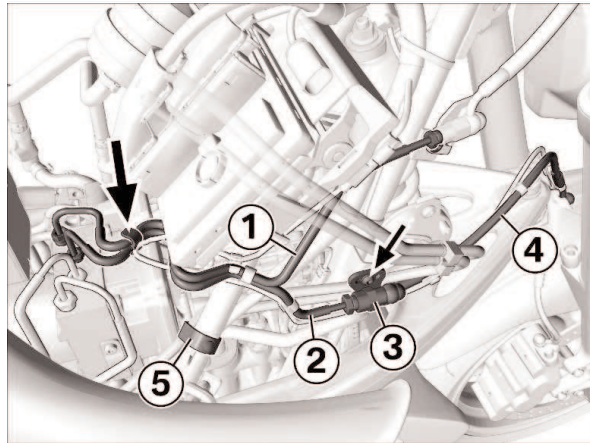


- Remove front brake line (1) to the pressure modulator.
- Remove front brake line (2) from the pressure modulator.
- Remove adapter (3).
- Remove front brake hose (4).

Note

The following components have to be replaced:

- Front brake line (1) to the pressure modulator
- Front brake line (2) from the pressure modulator
- Adapter (3) with screw
- Front brake hose (4)
- Rubber retainer for fuel -tank breather (5)



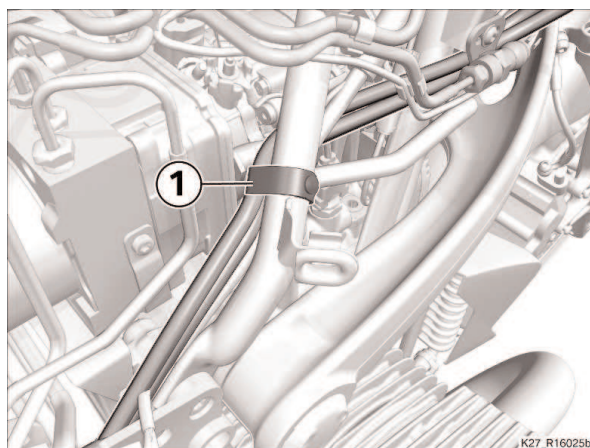
- Hold new adapter (3) with slot in position and engage the new screw in the tapped hole. Do not tighten the screw at this point in the procedure.
- Install new brake line (2) from the pressure modulator and tighten both union screws by hand.
- Install new brake hose (4) with new seals and tighten the banjo bolt in the adapter until hand - tight.
- Align the adapter with the frame and tighten.
- Begin by tightening brake line (2) to adapter (3). In this process, counter -hold adapter (3) at the tool flats.
- Then tighten brake line (2) at the pressure modulator.
- Tighten brake hose (4) at adapter (3). In this process, counter -hold adapter (3) at the tool flats.
- Install new front brake line (1) to the pressure modulator and tighten both union screws in itially by hand and then to the specified torque.



Tightening torques

Adapter to frame	M6 X 16	8 Nm
Union screw, brake line	All	14 Nm
Banjo bolts, brake hose	M10 X 1	24 Nm

- Substitute new rubber retainer (1) for the original holder for fuel -tank breather lines and route and secure the fuel -tank breather hoses as shown in this illustration.



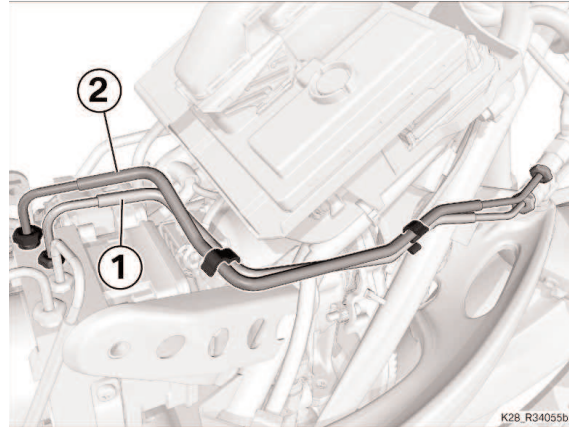
Finishing work:

- Bleed the front brake system (for description see RSD item No. 34 00 507)
- Perform a leak check of the brake lines
- Install the fuel tank
- Install the side panel
- Install the side covers
- Install the seat
- Final check of work performed

Model: R 1200 ST (K28) 0338

Preparatory work: Install the rear-wheel stand special tool (motorcycle without center stand)
Remove the seat
Remove the side panel
Remove the fuel tank
Drain the front brake circuit

Core activity:



- Remove front brake line (2) to the pressure modulator.
- Remove front brake line (1) from the pressure modulator.
- Undo the threaded fastener of adapter (4).

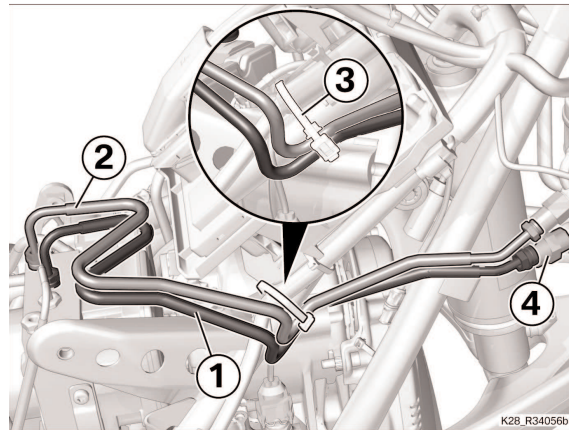
Note

The following components have to be replaced:

- > Front brake line (1) to the pressure modulator
- > Front brake line (2) from the pressure modulator

The following component is a new addition:

- > Holder for brake lines with cable tie (3)



- Clip holder (3) to brake line (1) from the pressure modulator.
- Install new brake pipe (1) from the pressure modulator with holder (3) and tighten both union screws by hand.
- Align adapter (4) with the frame and tighten.
- Tighten the union screw at the adapter to the specified torque. In this process, counter -hold the adapter at the tool flats.
- Tighten the union screw at the pressure modulator to the specified torque.

Tightening torques

Union screw, brake line	All	14 Nm
Adapter to frame	M6 X 16	8 Nm

- Install new front brake line (2) to the pressure modulator, clip it into holder (3) and tighten both union screws by hand.
- Use a cable tie to secure holder (3) to the frame.
- Tighten the union screw at the adapter to the specified torque. In this process, counter -hold the adapter at the tool flats.
- Tighten the union screw at the pressure modulator to the specified torque.

Tightening torques

Union screw, brake line	All	14 Nm
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Finishing work: Bleed the front brake system (for description see RSD item No. 34 00 507)
Perform a leak check of the brake lines
Install the fuel tank
Install the side panel
Install the seat
Final check of work performed

Warranty: The repair described in this bulletin is covered under warranty regardless of time or mileage. Reimbursement for this recall will be via normal claim entry utilizing the following information:

Warranty Information:	Defect code:	00 00 34 67 00	Conversion to new brake lines
	R 1200 GS (K25)	0317	
	FRU code:	00 60 168	Conversion to new brake lines 11 FRUs
	Part numbers:	1x 34 32 7 689 981 1x 34 32 7 689 979 1x 34 32 7 704 570	Brake line, front brake circuit (see note) Brake line, front control circuit (see note) Holder with cable tie
	R 1200 R (K27)	0389	
	FRU code:	00 60 168 46 52 510	Conversion to new brake lines 12 FRUs Installing and removing rear-wheel stand special tool 1 FRU (only for motorcycles without center stand)
	Part numbers:	1x 34 32 7 715 810 1x 34 32 7 710 506 1x 34 32 7 715 811 4x 34 11 7 671 550 1x 34 32 7 715 809 1x 07 12 9 904 819 1x 32 73 7 687 119	Brake line, front brake circuit Brake line, front control circuit Front brake hose Sealing ring Connecting element Screw Retaining strap
	R 1200 ST (K28)	0338	
	FRU code:	00 60 168 46 52 510	Conversion to new brake lines 14 FRUs Installing and removing rear-wheel stand special tool 1 FRU (only for motorcycles without center stand)
	Part numbers:	1x 34 32 7 719 254 1x 34 32 7 719 253 1x 34 32 7 704 570	Brake line, front brake circuit Brake line, front control circuit Holder with cable tie
	Sublet:	Brake fluid	Sublet Code 4 Not to exceed \$4.00

Note: Within the framework of this recall campaign and also in the future, please make sure that all brake lines you install exhibit the new geometry (sequence of bends) as illustrated in the graphics in this Service Information bulletin.

Contact: Service and Technical Manager