Dealer Operation/ General Manager	Sales- Motorcycles	Sales - Used Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
Date: May 2006 Bulletin #: 34 005 06 (028)		Source: 34 10/2006 BMW Motorrad USA Service and Technical				

BMW Motorrad
Service Information Bulletin

Recall Campaign 06V-134 - Sensor Cable Routing

Subject: Recall 06V-134 - Change to the routing of the front ABS sensor cable

Model: R 1200 GS (K25), R 1200 RT (K26), R 1200 ST (K28) with Integral ABS

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.**

Details: The defect involves the routing of the front Anti-Lock Brake System (ABS) sensor cable. If certain service procedures are performed, for example, a front tire change which involves removal of the front left brake caliper, it is possible for the ABS sensor cable to be routed incorrectly when the caliper is reinstalled. If this happens, the sensor cable can come into contact with, and rub/chafe against, the front brake disk. Over time, if the chafing becomes severe, it is possible to lose the ABS function.

However, loss of ABS function will be displayed to the rider by the warning lamp in the instrument cluster. Normal braking is not affected and remains fully functional. The capability to bring the motorcycle to a stop would still exist.

All the R 1200 GS, R 1200 RT, and R 1200 ST motorcycles with Integral ABS are possibly affected by this problem are in the ranges of VINs shown in the table below:

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OFFICE OF DEFECTS INVESTIGATION

Model	From	To
R 1200 GS	ZL75000 ZR40000	ZL79999 ZR40415
R 1200 RT	ZM15000	ZM18267
R 1200 ST	ZM30000	ZM30582

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.
The VIN Ranges listed above are only for informational purposes and are not to be considered a deciding factor.

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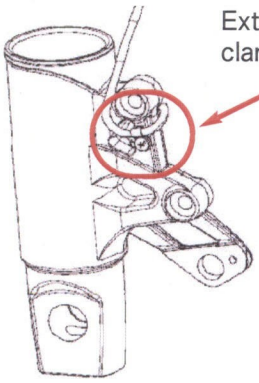
Production Solution: The routing of the sensor cable has been changed in series production for all three types of motorcycle (see Figs. 1-3).



Extra screw-tightened cable clamp for the sensor cable.

Fig. 1: New routing, R 1200 GS sensor cable

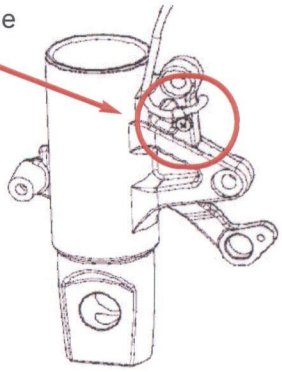
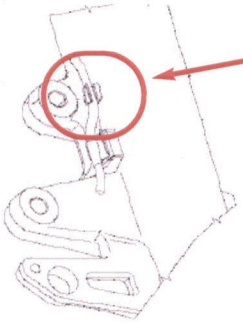


Fig. 2: New routing, R 1200 ST sensor cable



Extra clip-on cable clamp for the sensor cable.

Fig. 3: New routing, R 1200 RT sensor cable

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Aftersales Solution: Motorcycles already in the field will have to be retrofitted with the additional cable clamps as incorporated into series production. The procedure is as follows.

New routing, R 1200 GS sensor cable:

1. Remove the left brake caliper
2. Hold the cable clamp as shown in Fig. 4 at the bottom edge for the mount of the brake-caliper screw and use a centre-punch to mark the position for drilling the hole in the middle of the dome.
3. Drill a hole 3.7 mm in diameter through the brake-caliper mount.
4. It might be necessary to open a cable tie underneath the fuel tank to obtain enough slack on the sensor cable.
5. Use the new cable clamp to secure the sensor cable as shown in Fig. 4.
6. Position the double clips on the brake line as shown in Fig. 5.

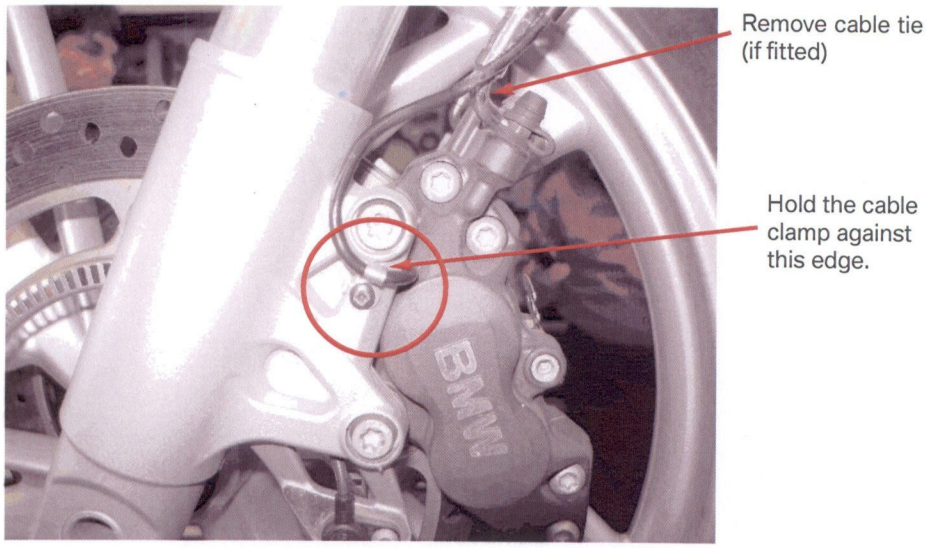

Fig. 4: location of the new sensor cable routing of the R 1200 GS.

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New routing, R 1200 ST sensor cable:

1. Remove the left brake caliper
2. Centre-punch to mark the position for drilling the hole. See Fig. 5 for details of the position for the hole.
3. Drill a hole 3.7 mm in diameter through the brake-caliper mount.
4. It might be necessary to open a cable tie underneath the fuel tank to obtain enough slack on the sensor cable.
5. Use the new cable clamp to secure the sensor cable as shown in Fig. 5.
6. Position the double clips on the brake line as shown in Fig. 5.

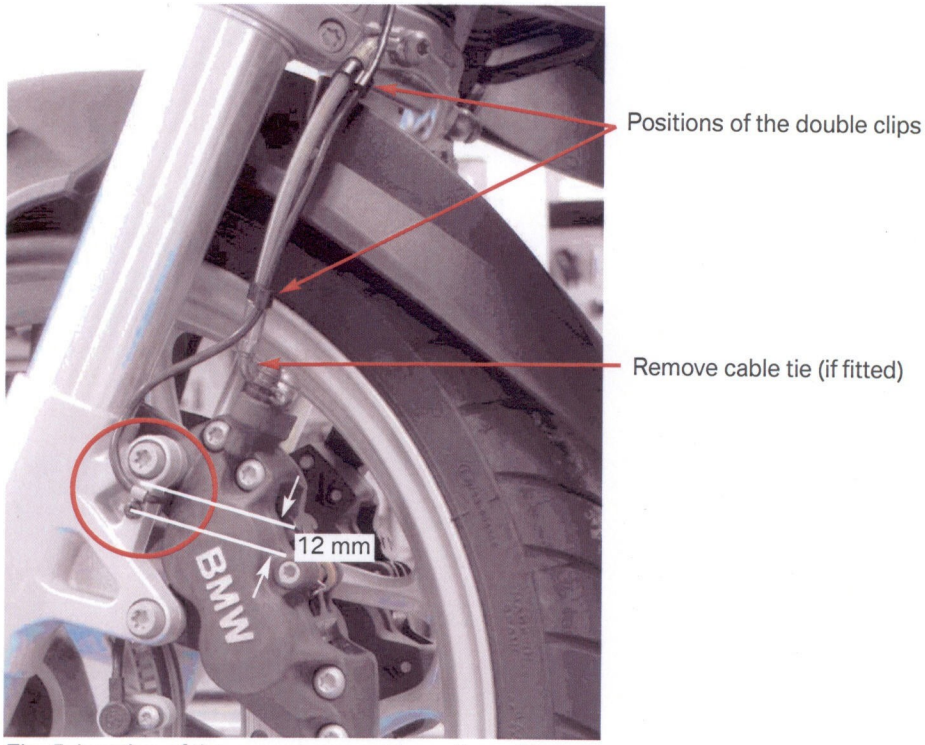

Fig. 5: location of the new sensor cable routing of the R 1200 ST.

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New routing, R 1200 RT sensor cable:

1. Remove the left brake caliper.
2. Remove and unclip the ABS sensor from its holder.
3. Working from the outboard side, drill a hole 4 mm in diameter through the brake-caliper mount, as shown in Fig. 6.
4. Working from the inboard side, seat the clip in the hole you just drilled and secure the sensor cable as shown in Fig. 7.
5. Position the double clips on the brake line in the same way as for the R 1200 GS and R 1200 ST (see Fig. 5).

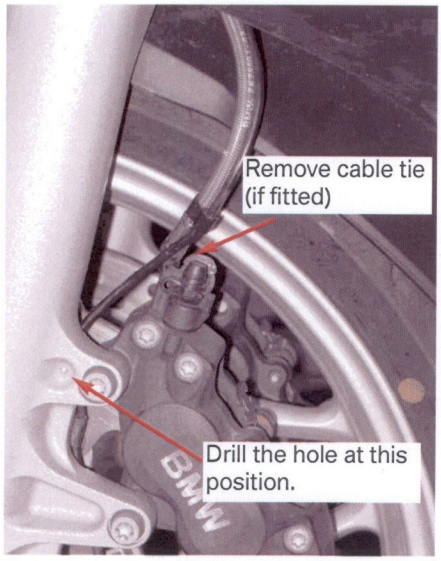

Fig. 6: Location of the new sensor cable routing of the R 1200 RT.

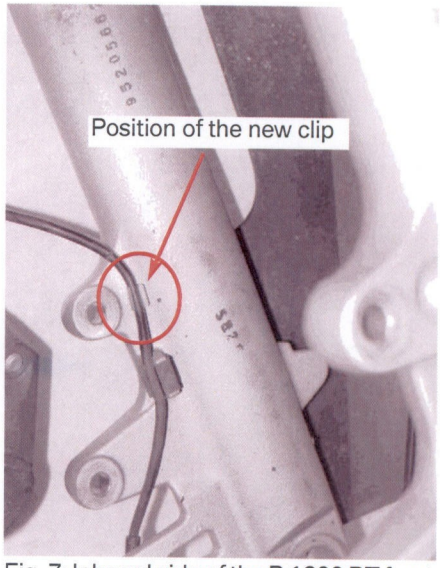

Fig. 7: Inboard side of the R 1200 RT front fork showing the location of the new clip

Important Note: **Replace the ABS sensor cable if the cable shows signs of chafing.**

Customer Notification: Current customers on record will be notified by mail of the existing concern and will asked to bring their motorcycle to an authorized BMW motorcycle center for the applicable retrofits.

Motorcycles in dealer inventory must be retrofitted with the updated ABS sensor cable routing prior to delivery to the customer.

Part Information:

R 1200 GS and R 1200 ST:	Cable clamp	34 51 7 695 906
	Screw	07 11 9 900 439
R 1200 RT:	Clip	34 52 7 675 927

Warranty: Covered regardless of time or mileage.

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

Defect code:	00 00 34 59 00	Change to sensor-cable routing
FRU Code:	00 60 135	Change to sensor routing
FRUs:	5 FRUs	

Contact: Respective Field Service Engineer

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