

# Service Bulletin

Date: February 2003

Bulletin No: 32 001 03 (003)

## BMW Motorcycles

**Subject:** Throttle Action Stiff - K 1200 LT

**Details:** Several customer complaints have been received concerning the force required to actuate the throttle twistgrip on K 1200 LT models.

The issues central to these complaints are the design of the cable shroud and the routing of the throttle cables.

As on the K 1200 RS models, the reinforcement inside the cable shroud is made of flat, wound wire that could deform if the bends in the routing of the cable were too tightly radiused or the cable ties over tightened. The result of one or both of these occurrences was that more force was required to turn the twistgrip.

Contributing factors may include a lack of lubrication at the pivot of the throttle valve shaft and interference of the handlebar fittings with the stub ends of the handlebars.

**Production Measures:** To address this issue new throttle cables have been produced. On the new cables the reinforcement of the cable shroud is now made of round section wire and the inner tube contains a higher proportion of PTFE - (Teflon®). The new throttle cables have been used in production since:

**VIN: ZD 79401**

**Service Measures:** If a customer complains about the effort required to operate the throttle twistgrip, the original throttle cables can be removed and the new throttle cables fitted. The new throttle cables have different part numbers as indicated below:

**Cable for throttle opening: 32 73 7 676 454**

**Cable for throttle closing: 32 73 7 675 482**

Install and route the throttle cables in accordance with the attached instructions. In addition, use a Teflon® based dry lubricant spray to lubricate the return springs of the throttle cables at the throttle-valve rail and the handlebar fittings at the points where the movement of the cables exerts a strain with .

**USE THE DRY LUBRICANT SPRAY - DO NOT USE OIL!**

**Important Note:** **Warranty claims on this issue will be accepted until December 31, 2003. After this date, no further action will be possible under warranty.**

**Warranty Processing:** Enter a regular warranty claim using the following claims keys.

Defect Code: 32 73 91 34 00

Flat Rate Code: 00 60 088

Description: Replace throttle cables

FRU: 44 FRU

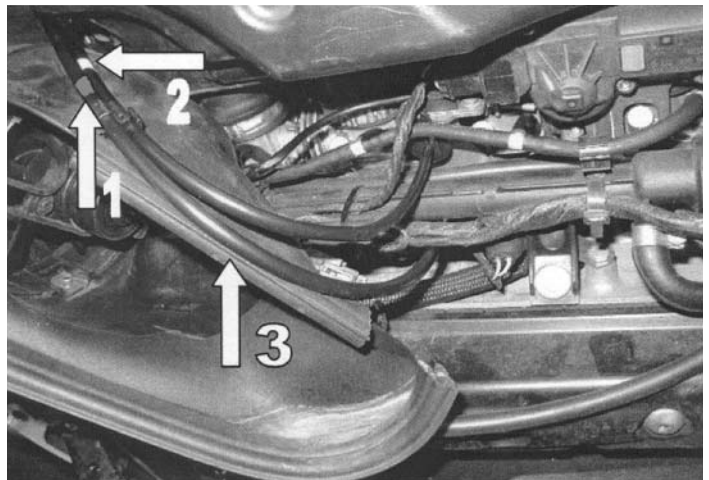


**Installation Instructions:**

**Arrow #1** indicates the **GREEN** marker of the throttle opening cable.

**Arrow #2** indicates the **WHITE** marker of the throttle closing cable.

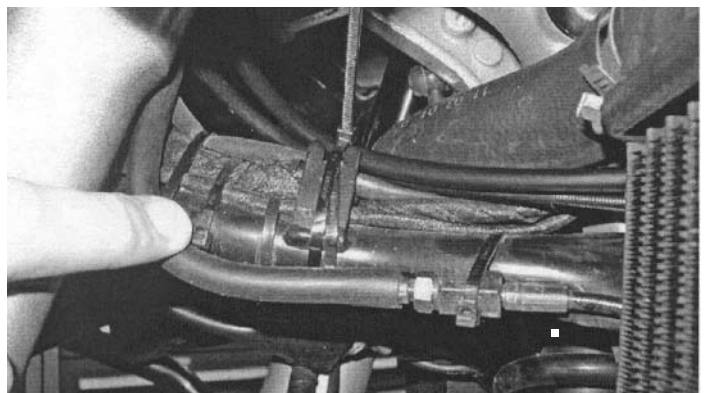
The throttle cables must be routed as illustrated. It is very important that the cables **DO NOT** project past the edge of the air-discharge cowl or contact the fairing when it is reinstalled - **Arrow #3**.



The throttle cables then have to be routed between the air filter box and the fan cowl, passed underneath the coolant hose and along the fairing bracket.

Using a cable tie, the throttle cables must be loosely secured to the lug provided for this purpose on the fairing bracket. The cables are to be secured in such a way that they can turn with respect to each other.

See photo at right as well as the photo below.



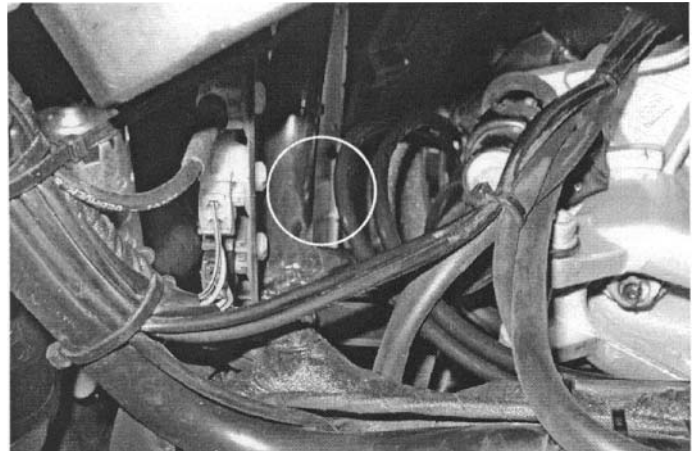
Route the throttle cables through the largest possible radius between the traverse of the fairing bracket (**Arrow**) and the threaded fastener (**Star**).

Make sure that the cables do not come into contact with the fairing bracket.

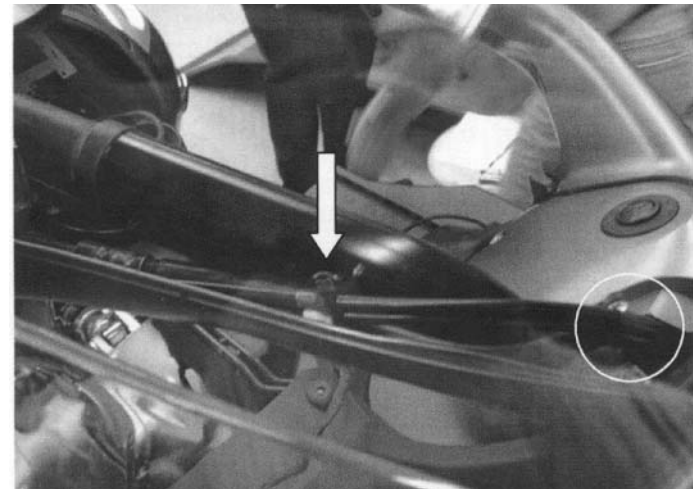
The circle encloses the point of exit at the top handlebar trim.



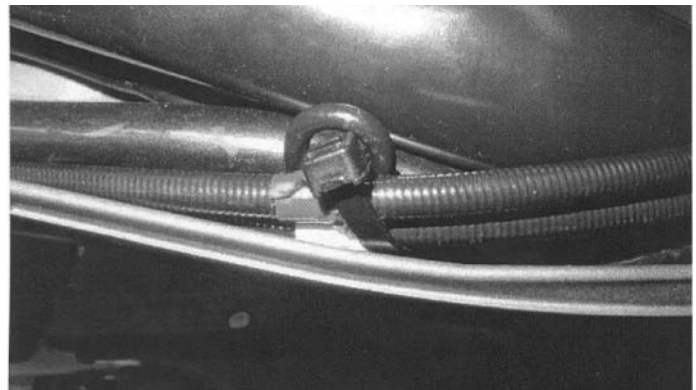
The circle indicates the safe margin of clearance between the throttle cables and the fairing bracket.



From the point of exit (**Circle**), the throttle cables have to be routed as shown. The arrow shows how they are secured with cable ties.. Here again it is important to ensure that the cable ties are left loose.

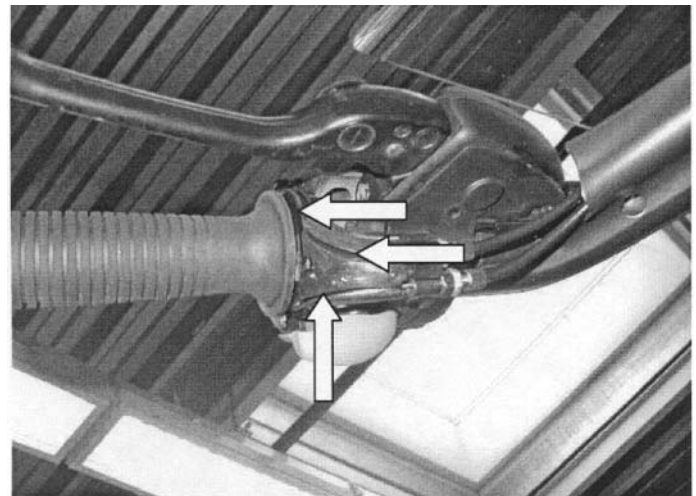


The enlargement in the photo at right shows how the cables are to be attached.



The GREEN marker identifies the throttle opening cable (top), the WHITE marker identifies the throttle closing cable (bottom).

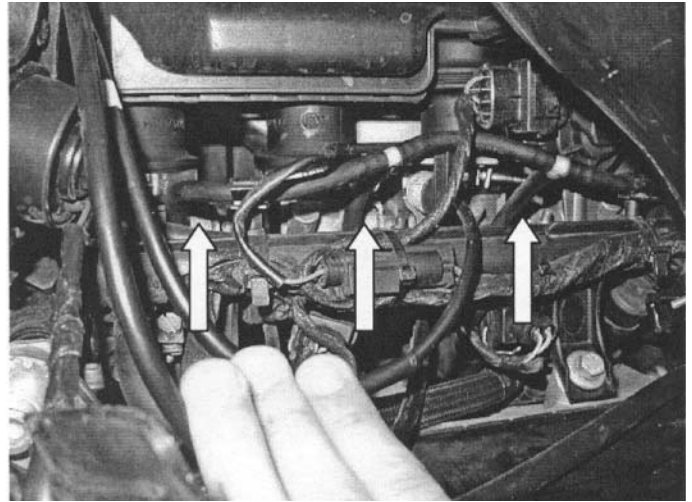
Connect the throttle cables to the handlebar fitting and adjust them in accordance with the instructions in the Repair Manual. Proceed with great care, in order to ensure that the throttle cables are not damaged by being bent at the nipples.



Spray the exposed parts of the throttle cables (**arrows**) with the dry lubricant mentioned above.

**DO NOT USE OIL.**

Spray the spring assemblies of the throttle-valve rail with the dry lubricant mentioned above.



Once the throttle cables have been adjusted, it is important to check that the micro switch (**arrow**) of the cruise control system trips correctly. With the handlebars turned all the way to the left and right, the switch must trip with an audible click when the throttle twistgrip is turned slightly (approximately 10° according to the Repair Manual) in the forward direction of travel. Follow the instructions in the Repair Manual when adjusting the throttle cables.



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