

Service-Information Motorcycle



**BMW of NA
Service Department**

Group: 32
Steering

July 1986
32 005 86
(2224)

**BMW NA
For USA
and Canada
Only**

Recall Campaign 86V-80: Inspection/Replacement of K-Model Throttle Cables

BMW of North America, Inc., has voluntarily initiated a safety-related defect recall campaign. The NHTSA-assigned recall campaign number is 86V-080.

This Service Information outlines the specific procedure for implementation of this campaign. A copy of the customer notification is attached for your information.

Vehicles

Affected:

<u>Model:</u>	<u>Model Year</u>	<u>YIN Range</u>
K100	1985/1986	0030001 - 0031518
K100RS	1985/1986	0040001 - 0043234
K100RT	1985/1986	0050001 - 0053956
K75C and K75T	1986	0130001 - 0131004

Description of Defect:

The potential defect involves the throttle cable of the vehicles affected. During production, the cable of a small number of potentially affected vehicles may have been bent during installation (see Note below). This could occur due to misalignment between the throttle cable support (attached to the throttle body assembly) and the cam attached to the throttle valve shaft due to those components exceeding manufacturing tolerances. Since the cable is routed from the support to the cam, as shown in the attached illustration, a bend or kink in the braided metal cable could result. In addition, bending of the cable could also occur at either or both of the two points shown in the attached illustration where the cable exits from the adjustment hardware. In such cases, chafing between the braided throttle cable and the outer sleeve would result in a moderate but detectable increase in throttle operating effort.

Description
of Defect:
(continued)

If the cable is not replaced, this chafing condition could, over an extended period of time, lead to fraying of the braided cable. In such a case, operation of the throttle cable could be impaired and significantly increased operating effort would be needed in order to open and close the throttle with the twist grip.

Note: Our investigations have shown that not all affected "K" models will require this modification. In fact, approximately 10% of the motorcycles checked to date needed replacement cables and throttle cable supports.

Inspection
Procedure:

Since a small amount of misalignment between the throttle cable support and throttle cam will not adversely affect the throttle cable operation, the following inspection procedure should be followed depending upon mileage:

0 - 3,000 miles:

Inspect each throttle cable support-to-throttle cam alignment or look for a visible bend or kink in the braided cable. If support-to-throttle cam misalignment is detected, or if the throttle cable shows any signs of chafing or wear at the positions shown in Fig. 1 or Fig. 2, replace the cable and cable support (see Fig. 3). Follow throttle cable replacement procedures below.

3,000+ miles:

Inspect for visible bending, kinking or chafing of the braided cable and check for impaired throttle cable operation. If either or both of the foregoing conditions are found, replace the cable and cable support (see Fig. 3). Follow throttle cable replacement procedures below.

Model: K75C
K75T
K100

Visually inspect the lower throttle cable at the throttle body. Inspect the upper and center section of the cable (see Fig. 1). Important: Do not bend or twist the throttle cable when checking the upper and center sections.

Model: K100RS

Remove the left knee pad, place a mirror in the louvers and support it with a rag (see Fig. 2). Visually inspect the lower throttle cable at the throttle body, using a flashlight, while operating the throttle twist grip. Inspect the upper and center sections. Important: Do not bend or twist the throttle cable when checking the upper and center sections.

InspectionProcedure:

(continued)

Model: K100RT Remove the left knee pad and air deflector. Place a mirror in the louvers and support it with a rag (see Fig. 2). Important: Do not bend or twist the throttle cable when checking the upper and center section.

if the throttle cable is in good condition, submit a Campaign Claim for inspection only. (Refer to "Warranty Claim" paragraph in this Service Information bulletin, below.)

In both cases above (i.e., if replacement is necessary, or if your inspection reveals that replacement is not necessary), Put a dot of red paint on the seat pan near the striker post. This will indicate to another dealer that this inspection and/or replacement was performed.

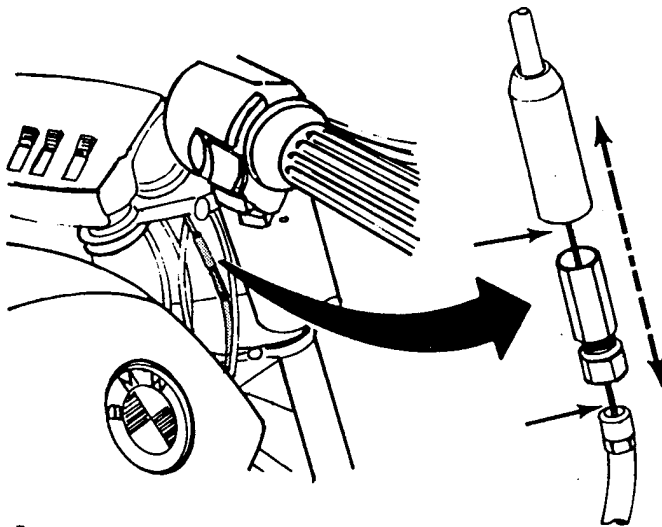


Fig. 1

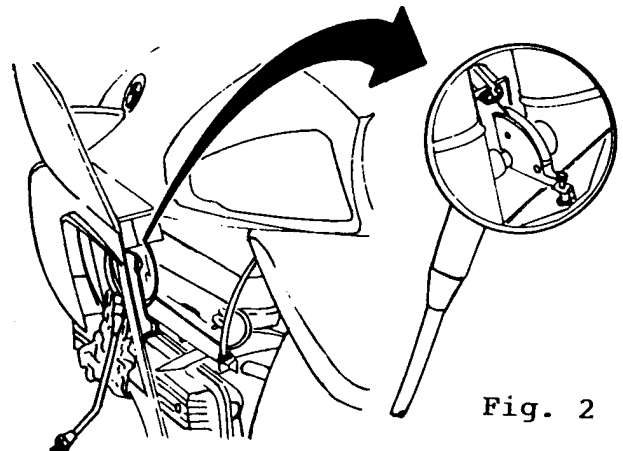


Fig. 2

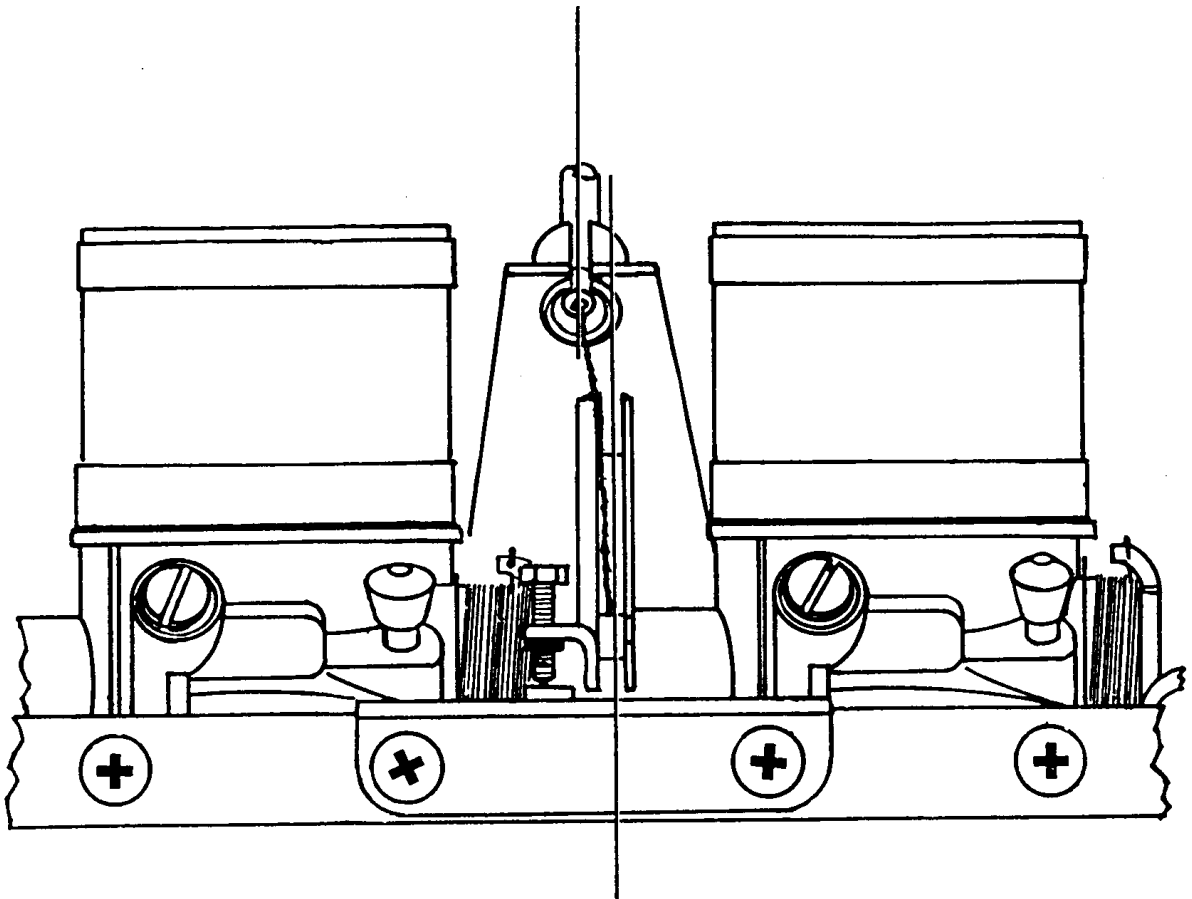


Fig. 3:
throttle cable support and
throttle cam
(illustrated to show
misalignment)

Throttle Cable
Replacement:

- Model: K75C -- Remove the fuel tank and air intake snorkel.
 K75T
 K100 -- Remove the complete air cleaner housing.

-- Remove the support on the throttle housing assembly.

-- Replace the throttle cable.

-- Install a new support and adjust.

Note: Make sure the throttle cable and support are in perfect alignment.

-- Adjust throttle cable play with the handlebar turned right. Maximum play: 1 mm.

-- Replace air cleaner housing, air intake snorkel and fuel tank.

- Model: K100RS -- Remove the right knee pad and fuel tank.

-- Remove handlebar pad and remove the throttle cable at the handlebar.

-- Remove right fairing lower, air intake and air filter housing.

-- Remove the throttle cable support at the throttle body.

-- Replace throttle cable.

-- Install a new support and adjust.

Note: Make sure the throttle cable and Support are in perfect alignment.

-- Reassemble air filter housing and air intake snorkel.

-- Modify handlebar pad (see Fig. 4) and attach it.

-- Adjust throttle cable play with the handlebar turned right. Maximum play: 1 mm.

-- Replace fuel tank and fairing panels.

- Model: K100RT
- Remove left and right knee pads and left and right fairing lowers.
 - Remove fuel tank.
 - Remove air intake and air filter housing.
 - Remove the throttle cable support at the throttle body.
 - Replace the throttle cable.
 - Install a new support and adjust.

Note: Make sure the throttle cable and support are in perfect alignment.

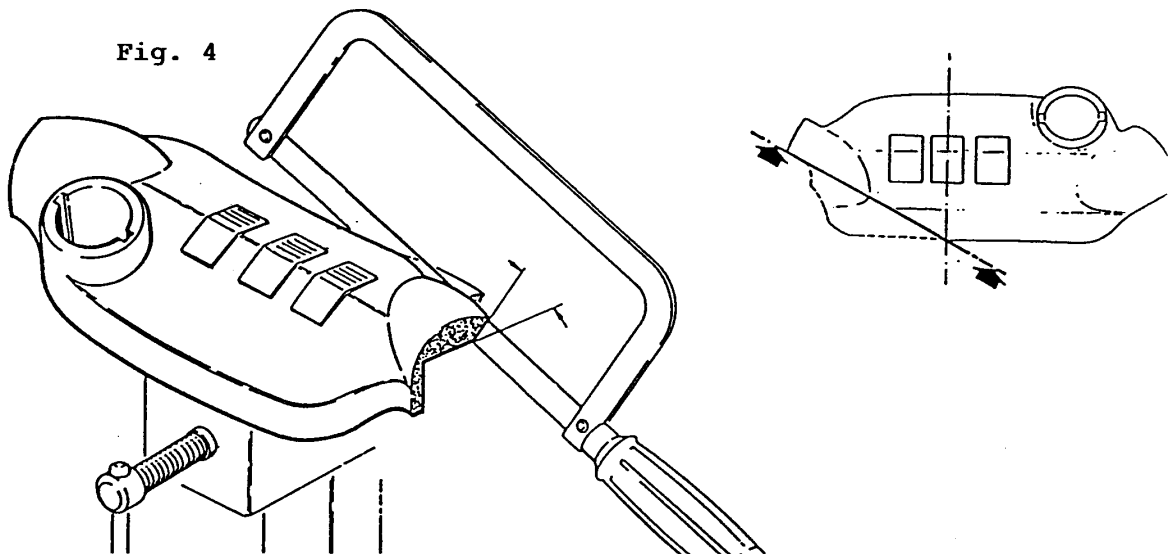
- Adjust throttle cable play with the handlebar turned right. Maximum play: 1 mm.
- Reassemble air filter housing and intake snorkel.
- Replace fuel tank and fairing panels.

Handlebar Pad
Modification:

As explained on Page 5 of this Service Information bulletin, the handlebar pad requires modification to avoid bends or kinks when the new throttle cable is installed.

Using a metal cutting saw, make a straight line cut according to the drawing below. Smooth the cut edge with a fine file or grinding wheel. Touch up the cut area with black paint.

Fig. 4



Parts
Ordering:

The following parts are needed to perform this recall:

Installation Kit:	32 73 1 457 401	All K models
Throttle cable:	32 73 1 457 014	European bar
Throttle cable:	32 73 1 457 015	Low RS bar
Throttle cable:	32 73 1 457 016	High bar

Warranty
Claiming:

Reimbursement for this recall campaign will be provided through campaign claim submission. Please read Section 7 of the Motorcycle Warranty Manual for complete information about these special claims.

Use Defect Code 00 00 32 00 00

Inspection:

K75C K75T K100	Visual inspection: Use work package #1 Labor: 1 flat rate unit
K100RS K100RT	Visual inspection: Use work package #2 Labor: 2 flat rate units

Replacement:

K75C K100	Replacement of throttle cable and support: Use work package #3, which includes: Labor: 9 flat rate units Parts: 32 73 1 457 401 (support) 32 73 1 457 014 (cable)
K75T K100 high bar	Replacement of throttle cable and support: Use work package #4, which includes Labor: 9 flat rate units Parts: 32 71 457 401 (support) 32 73 1 457 016 (cable)
K100RS	Replacement of throttle cable and support: Use work package #5, which includes Labor: 14 flat rate units Parts: 32 73 1 457 401 (support) 32 73 1 457 015 (cable)
K100RT	Replacement of throttle cable and support: Use work package #6, which includes Labor: 16 flat rate units Parts: 32 73 1 457 401 (support)

IMPORTANT:

When submitting a campaign claim, you must use a separate repair order number. The repair order number should not be the same number used on another warranty claim; i.e., use a separate R.O. number to distinguish a campaign claim.

After the claim has been paid, you will be requested via a weekly credit note to return both the old cable and support to BMW of North America, Inc., Montvale, NJ. Please attach a properly completed return tag for Warranty Parts in order to validate your claim. Please note: All returned parts must be packaged with a Warranty Parts Return packing slip. Your account will be debited if you do not return the old cable and support.

Customer
Notification:

In approximately two weeks from the date you receive this Service Information bulletin, letters with a three-part authorization form (Form SD-161) will be sent to all registered K owners. (Sample attached.)

PROCEDURE

1. Customers will receive their Recall notification letters by mail and contact dealers for an appointment.
2. Proceed according to S.I. XX XXX XX (XXXX).
3. The authorization form must be presented by the customer.
4. After inspection or repair is completed, customer and dealership technician must sign and date this form.
5. Attach the top copy, marked "BMWNA - Copy No. 1", to your work order file copy. The remaining copies of this form can be discarded.
6. Mark the seat pan near the striker post with a dot of red paint to indicate that this inspection was performed.
7. Submit special Campaign Claim form to our Warranty Department for each action.

NOTE: DO NOT ATTACH THE AUTHORIZATION FORM TO THE CAMPAIGN CLAIM.

Customer
Notification: (continued)

In the event that a customer has not received a notification letter, but is entitled to inspection/replacement (i.e., owns an affected motorcycle within the VIN ranges previously stated), proceed as follows:

- A. Check the validity of the customer's request.
- B. Issue a work order, identify "Recall Campaign 86V-080", and correct VIN number.
- C. After completion of the necessary work, customer must sign the work order.
- D. Submit a special Campaign Claim accordingly.

Very truly yours,

BMW OF NORTH AMERICA, INC.




Richard Dampf
National Technical Manager
Motorcycle Group

RD:ch/02-043

Copy No. 1:
ATTACH TO WORK ORDER

Copy No. 2:
CUSTOMER COPY OR DESTROY

Copy No. 3:
CHANGE OF OWNERSHIP
POST CARD TO BMWNA

 BMW OF NORTH AMERICA, INC. MONTVALE, NEW JERSEY 07045	DATE WORK COMPLETED		DEALER STAMP	
	CUSTOMER SIGNATURE			
DEALER SIGNATURE				
<p>The dealer whose stamp appears on this form has performed recall requirements to the vehicle identified by the VIN shown. This recall was performed at no cost to the customer.</p> <p>NOTE: If customer name, address, VIN, and Recall Number are Not printed on this form, please fill in the required information below:</p>				
86V-080 0031501		RECALL NO.	CUSTOMER NAME	
KENDALL, STEPHEN		NAME OF RECALL	STREET	
1234 MAIN ST.			CITY	
WESTWOOD, NJ 07675		VIN	STATE	ZIP CODE
If the name or address above is incorrect, please make necessary corrections.				
CUSTOMER RECALL AUTHORIZATION FORM—ORDER FROM TECHNICAL DEPT.—FORM No. SD 181				
CUSTOMER SIGNATURE				

BMWNA-COPY No. 1

DEALER FILE COPY No. 2

RETURN COPY No. 3

ZIP CODE

WORK ORDER

WORK ORDER

WORK ORDER