



SIB 23 02 21

GEAR SHIFT ASSISTANT NOT WORKING (BREAK IN WIRE)

2021-04-01

This Service Information Bulletin replaces measure 65031003-04 dated February 2021.

## MODEL

E-Series	Model Description
K80	F 750 GS
K81	F 850 GS
K82	F 850 GSA
K83	F 900 R
K84	F 900 XR

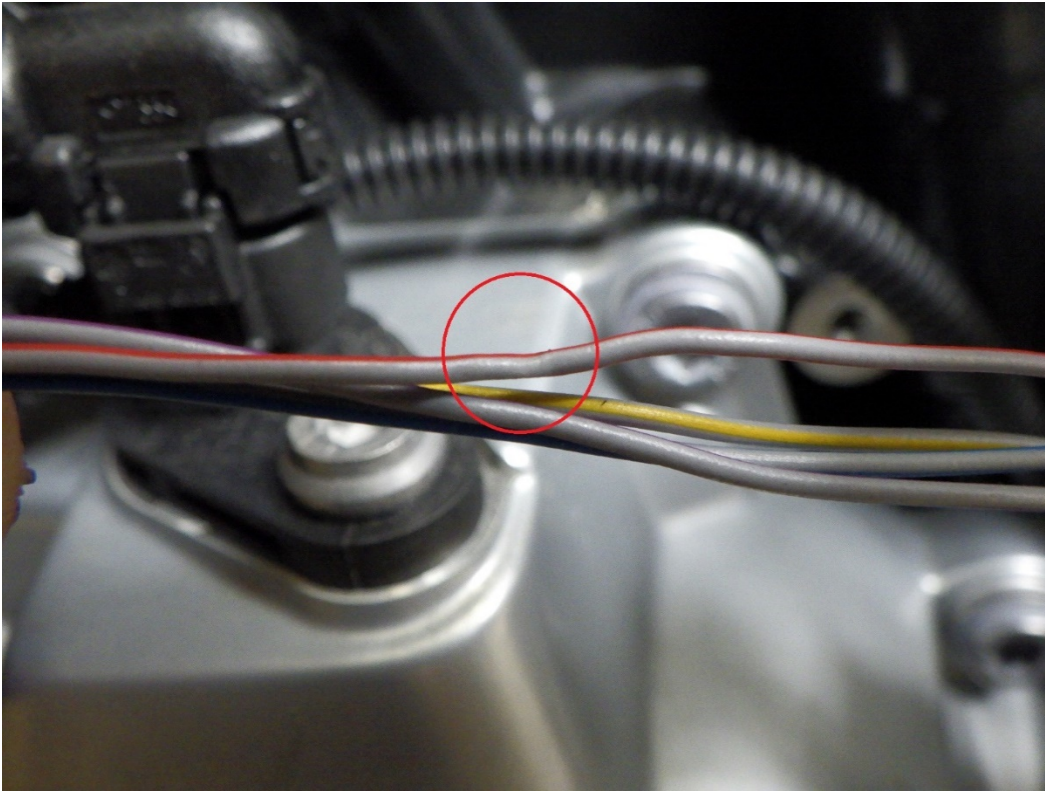
## SITUATION

Gear Shift Assistant (i.e. clutchless shifting) is not working. Damaged wire(s) in the main wiring harness (see Figure 1 and Figure 2).

Figure 1: External break



Figure 2: Internal Damage



Note: Please also read TIS Bulletin 23 01 18 for more information on Gear Shift Assistant faults.

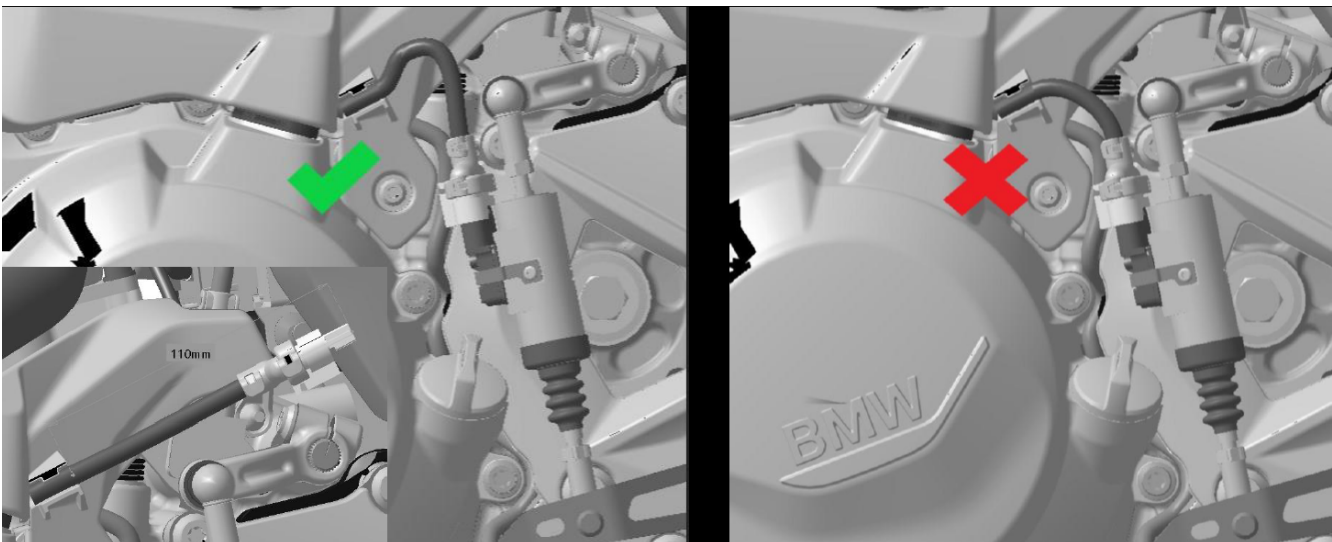
## **PROCEDURE**

In a customer complaint case, a TSARA case with a relevant damage pattern is to be created.

The ability to repair will be decided on in each individual case. An image of the main wiring harness (label) will also be required.

Following wiring harness repair, check that the cable to the Gear Shift Assistant is laid correctly (see Figure 3). The elongated length (from clip to plug end) is 110 mm in all K8x models.

Figure 3: Wire Routing



## PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in ETK which takes into account specific equipment and/or options.

Additional parts like gaskets, hardware and chemicals may be required for the complete repair.

### **Part Number**

1252 7549033	Socket housing (4-pin)
1252 7545860	Bushing contact
6113 8366247	Strand sealing
6112 6946211	Cable (grey; 0.35 mm <sup>2</sup> )

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Motorcycles, if applicable.

## QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

### Supporting Materials

[picture\\_as\\_pdf Figure 3 Wire Routing for K8x.pdf](#)

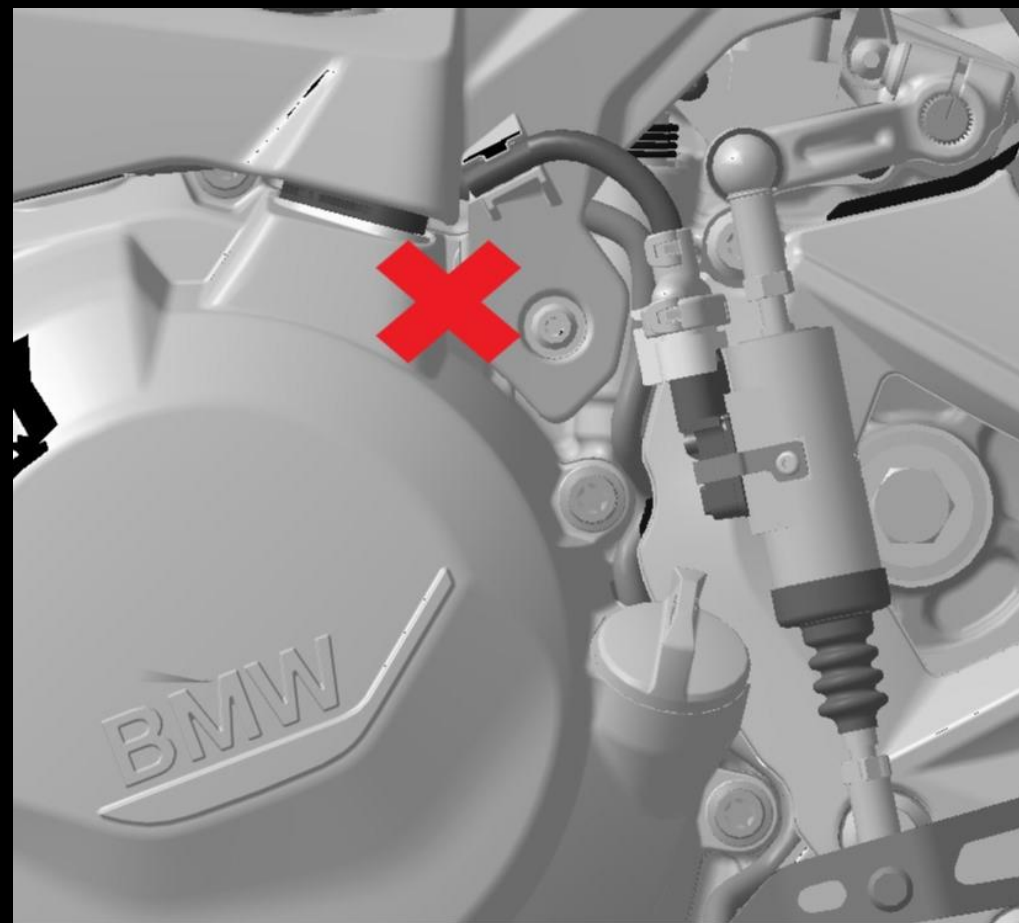
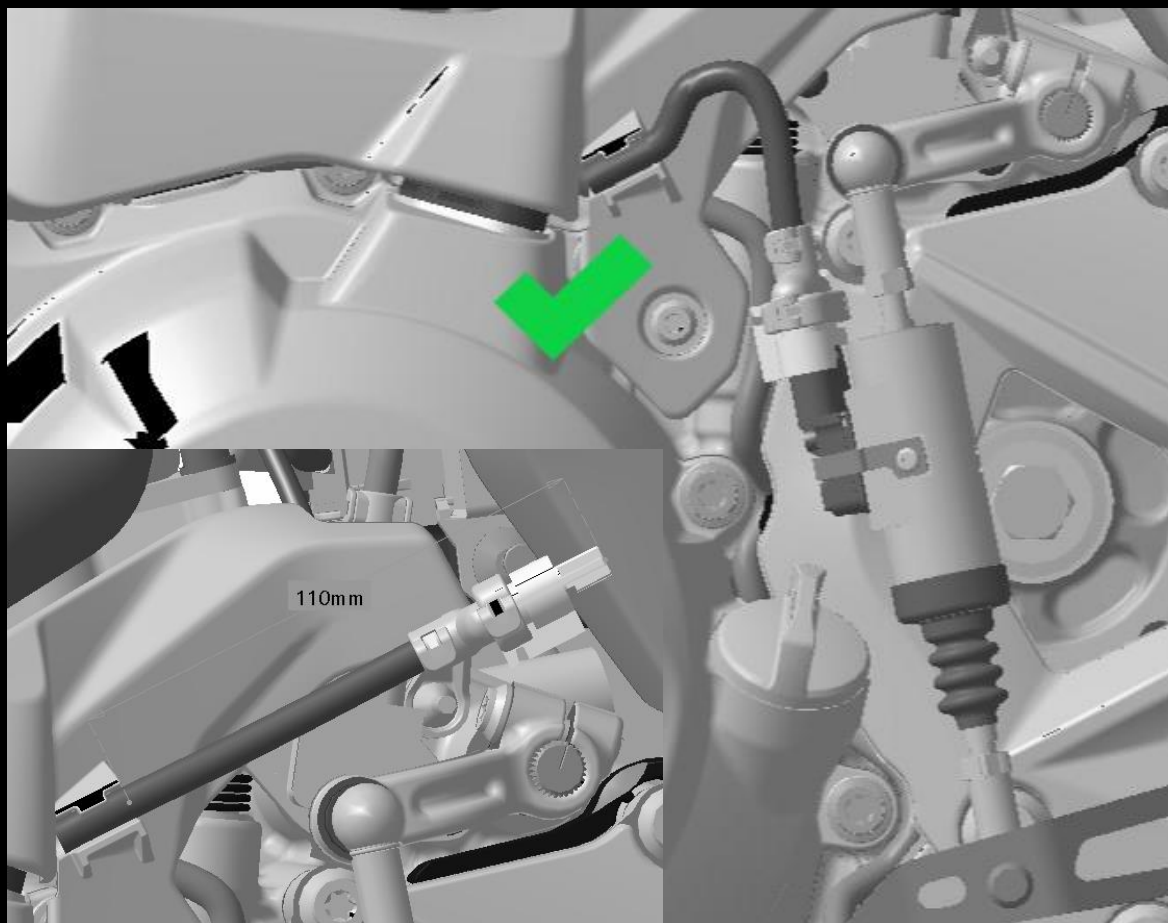
[insert\\_drive\\_file damaged wiring harness.jpg](#)

[insert\\_drive\\_file Figure 1 External Break.jpg](#)

[insert\\_drive\\_file Figure 2 internal damage.jpg](#)

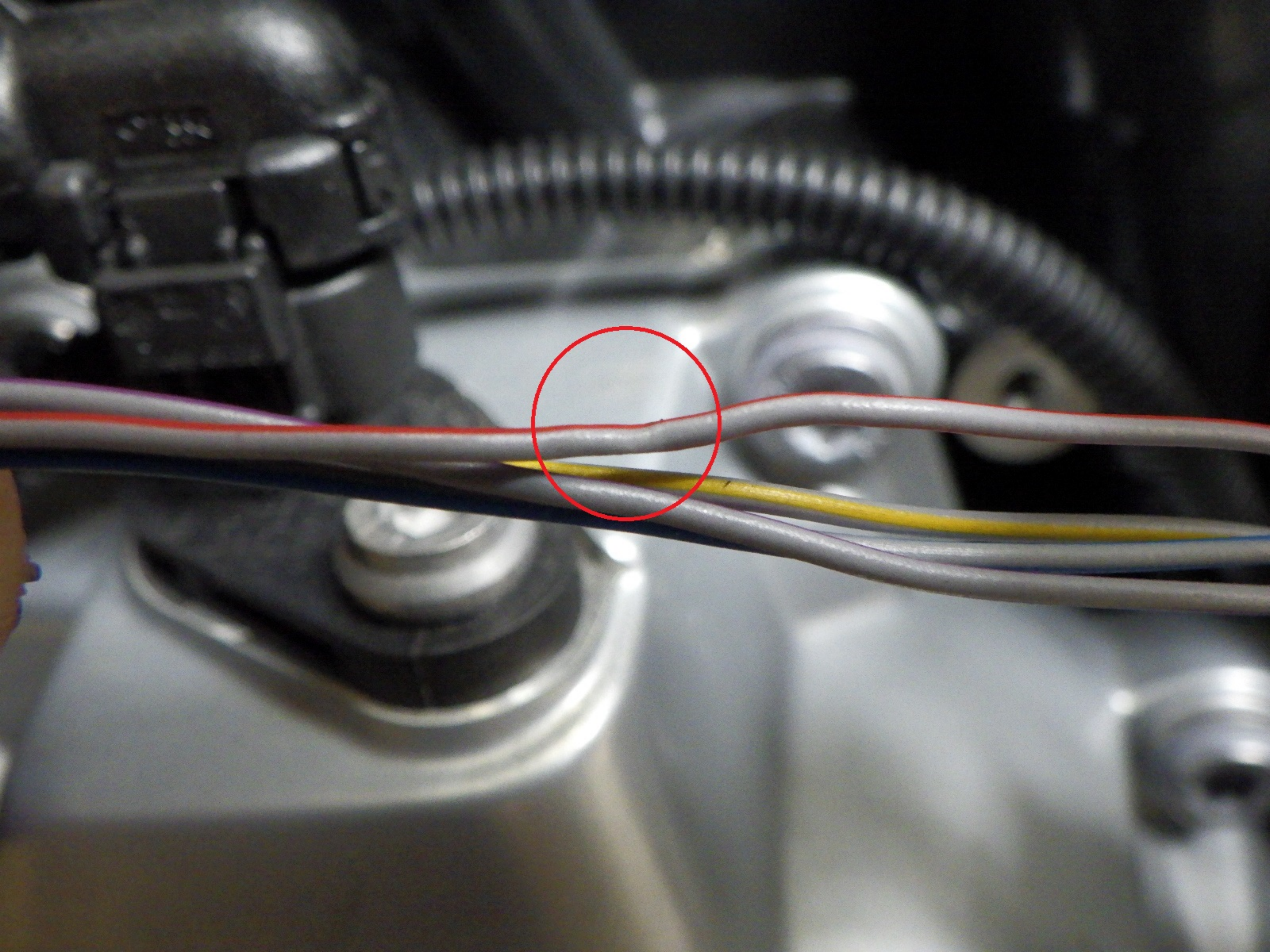
[picture\\_as\\_pdf 23 02 21 Gear Shift Assistant not working\\_\(break in wire\).pdf](#)

## CABLE ROUTING FOR ALL K8X MODELS (110MM STRETCHED LENGTH)









# Service Information Bulletin

Manual Gearbox, Transmission

April 1, 2021

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**BMW  
MOTORRAD**

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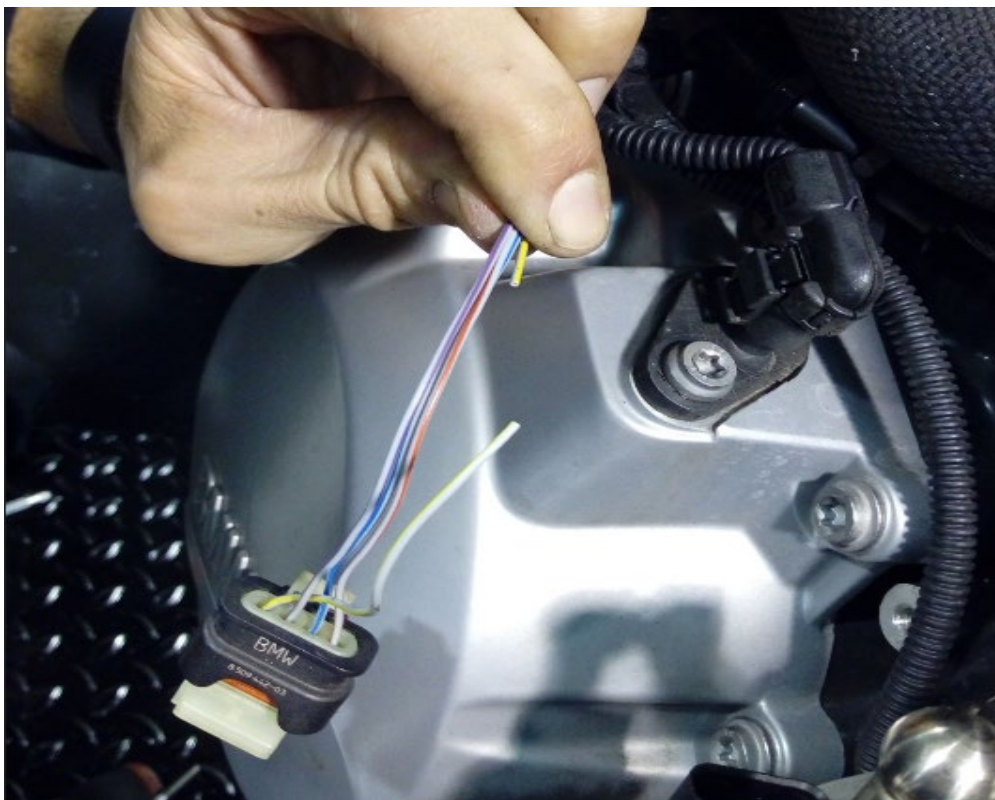
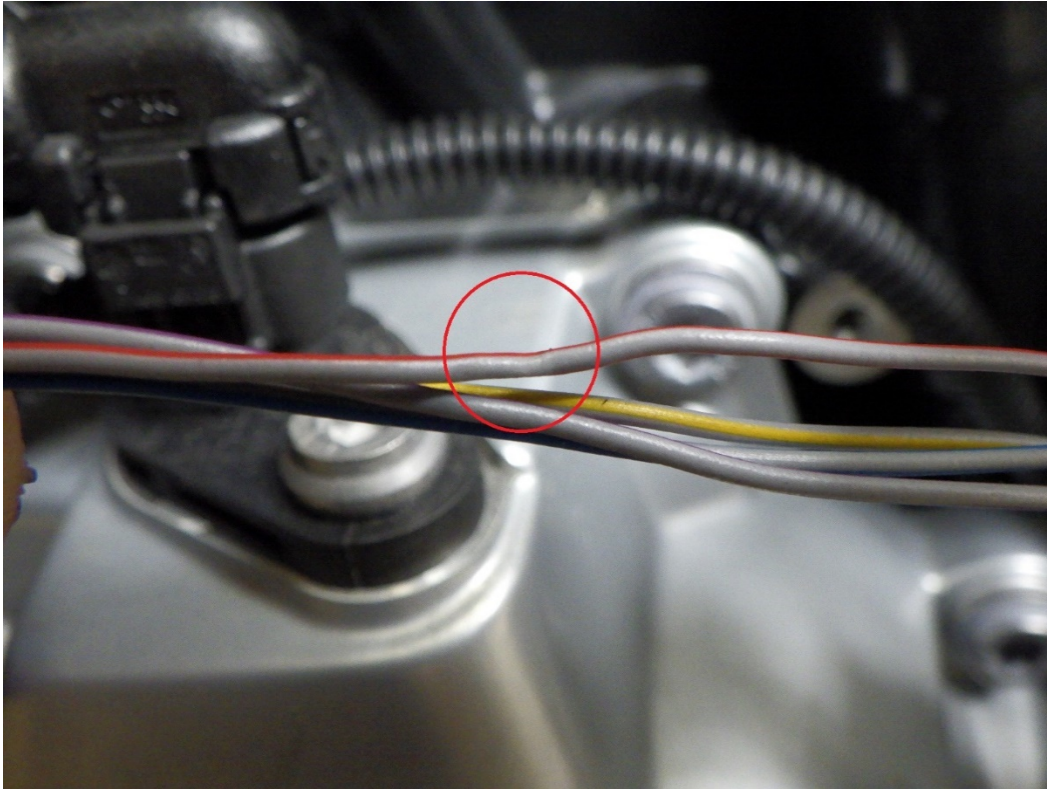




Figure 2: Internal Damage



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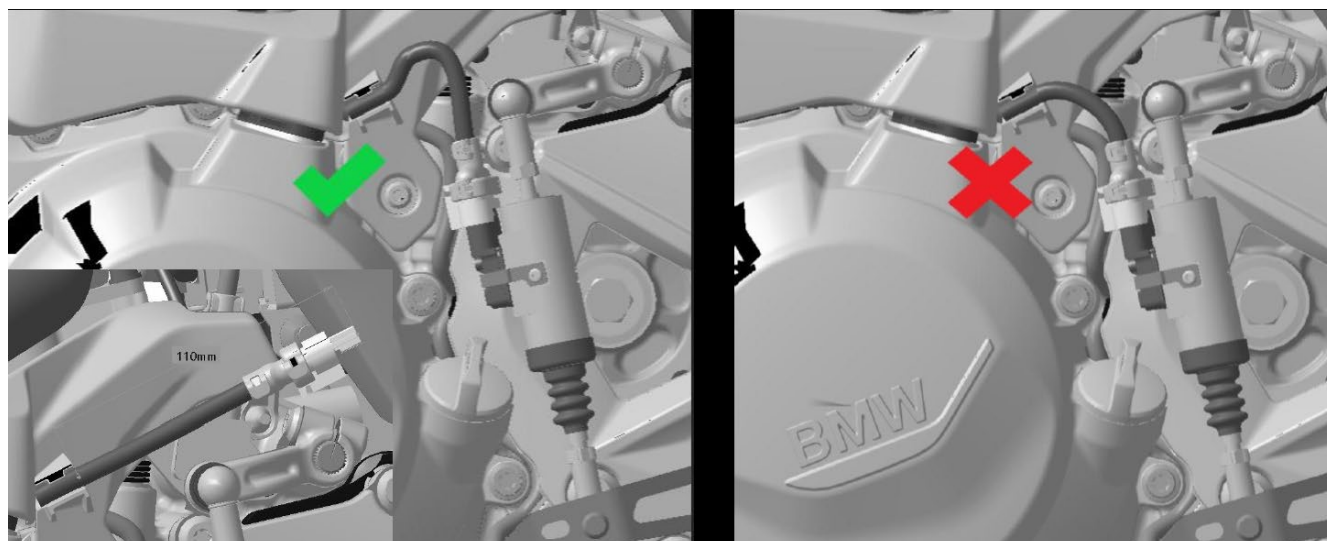
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