



SIB 23 02 21

GEAR SHIFT ASSISTANT NOT WORKING (BREAK IN WIRE)

2021-07-09

This Service Information Bulletin replaces SI 23 02 21 dated April 2021.

MODEL

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

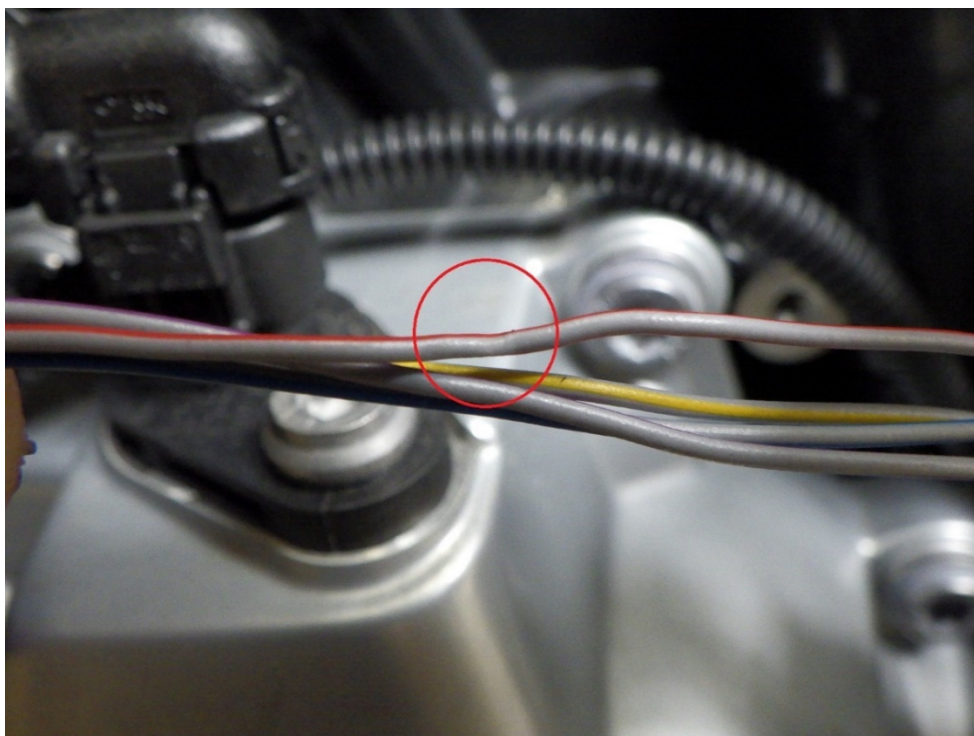
SITUATION

Gear Shift Assistant (i.e. quick-shifter / clutch-less 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



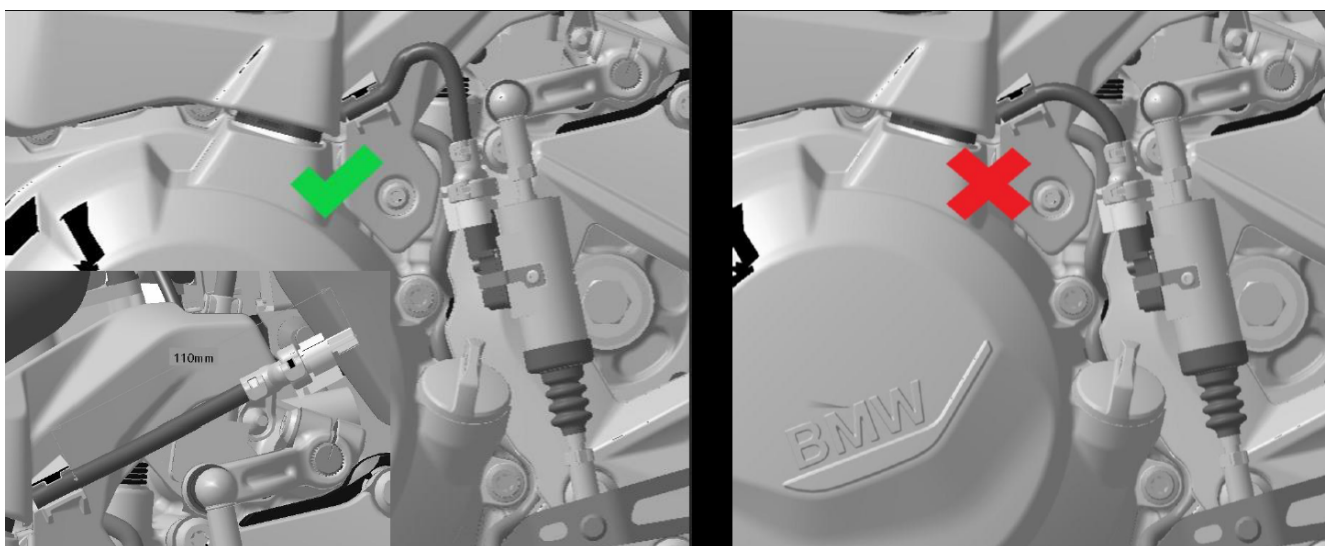
Note: Please also read TIS Bulletin 23 01 18 for more information on Gear Shift Assistant faults.

PROCEDURE

In a customer complaint case, a TSARA case with a relevant description of the damage is to be created, including an image of the main wiring harness label.

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

12 52 7 549 033	Socket housing (4-pin)
12 52 7 545 860	Bushing contact
61 13 8 366 247	Strand sealing
61 12 6 946 211	Cable (grey; 0.35 mm ²)
12 51 7 508 831	Corrugated tubing

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

[insert_drive_file Figure 1 External Break.jpg](#)

[insert_drive_file damaged wiring harness.jpg](#)

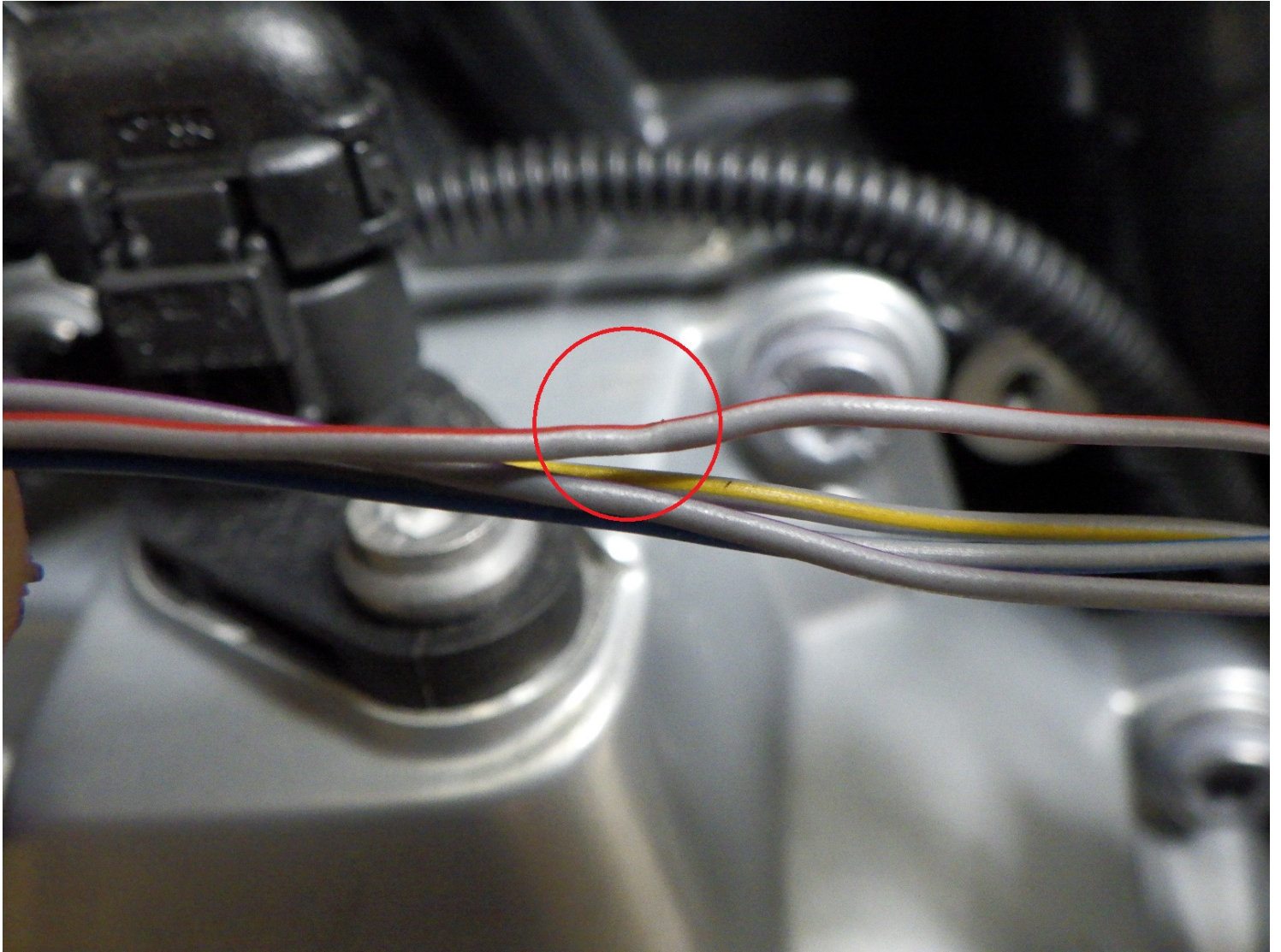
[insert_drive_file Figure 2 internal damage.jpg](#)

[picture_as_pdf Figure 3 Wire Routing for K8x.pdf](#)

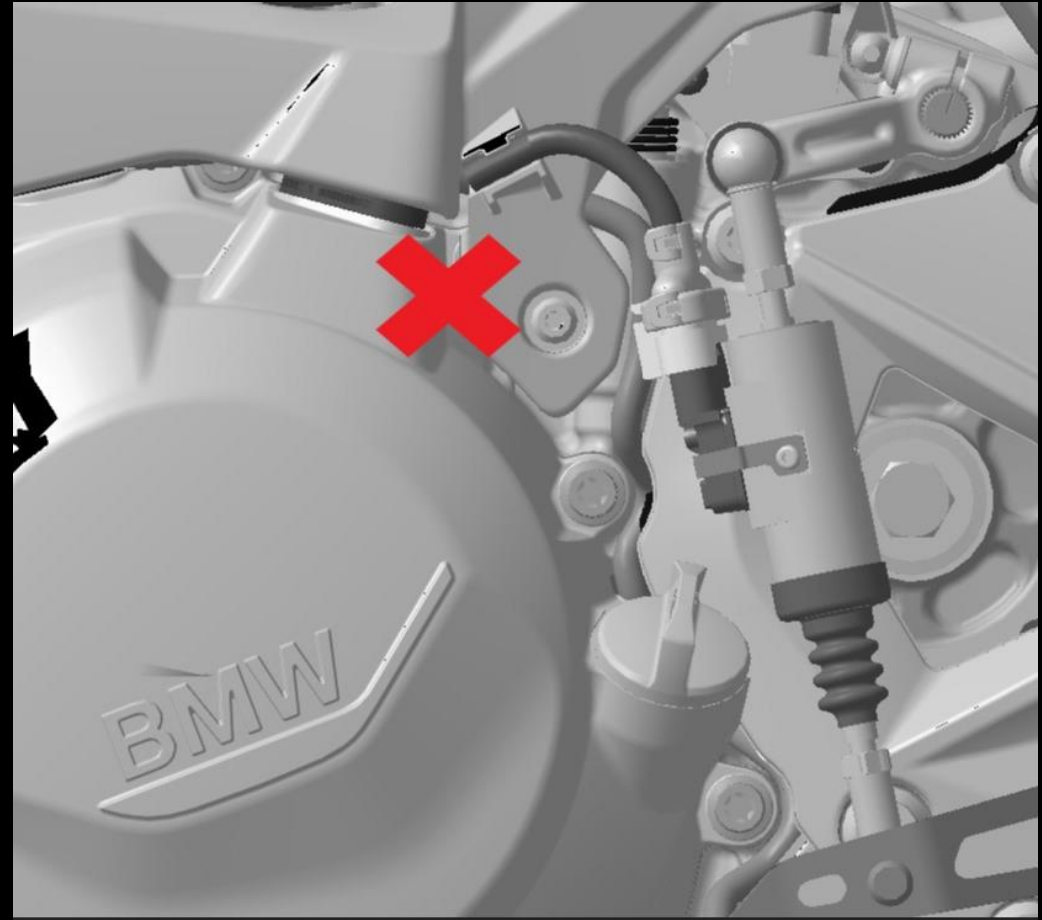
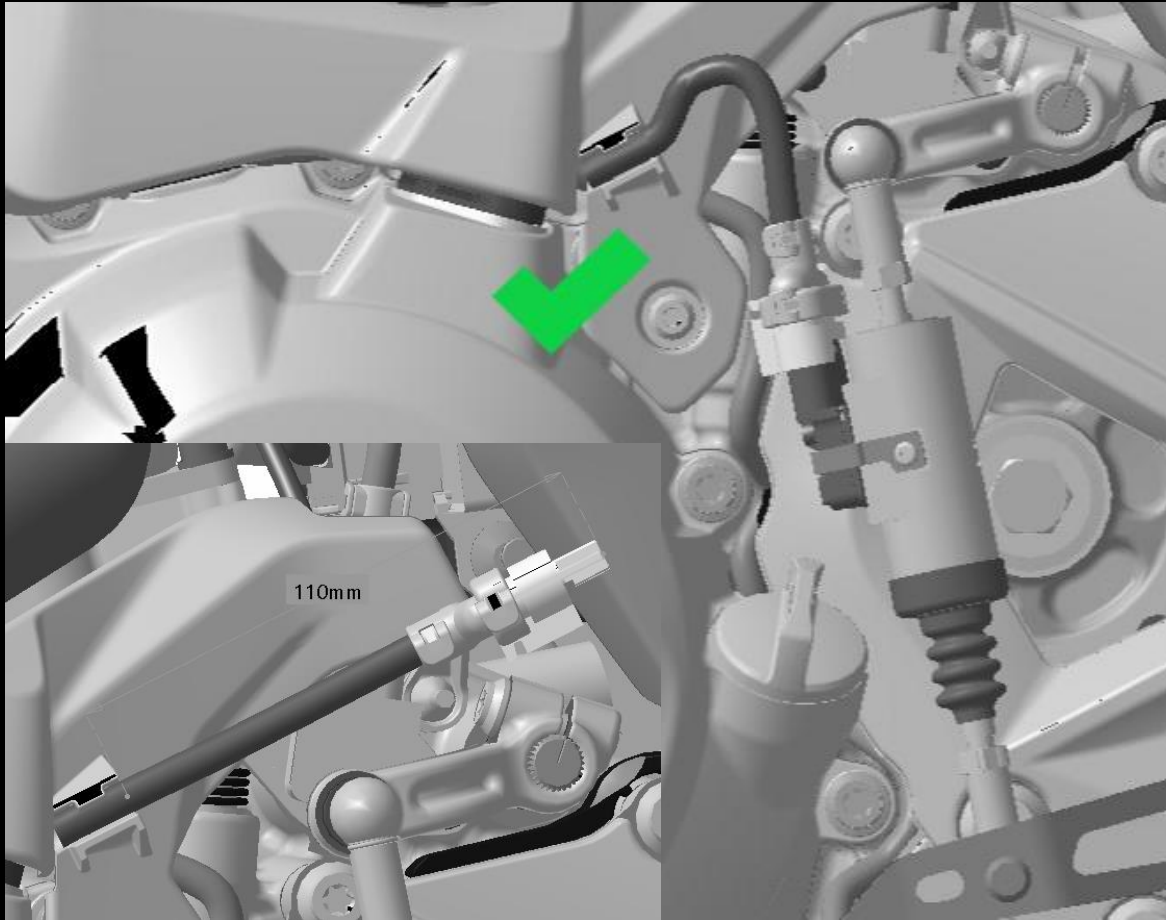
[picture_as_pdf 23 02 21 Gear Shift Assistant not working_\(break in wire\).pdf](#)







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



Service Information Bulletin

Manual Gearbox, Transmission

July 9, 2021

23 02 21

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**BMW
MOTORRAD**

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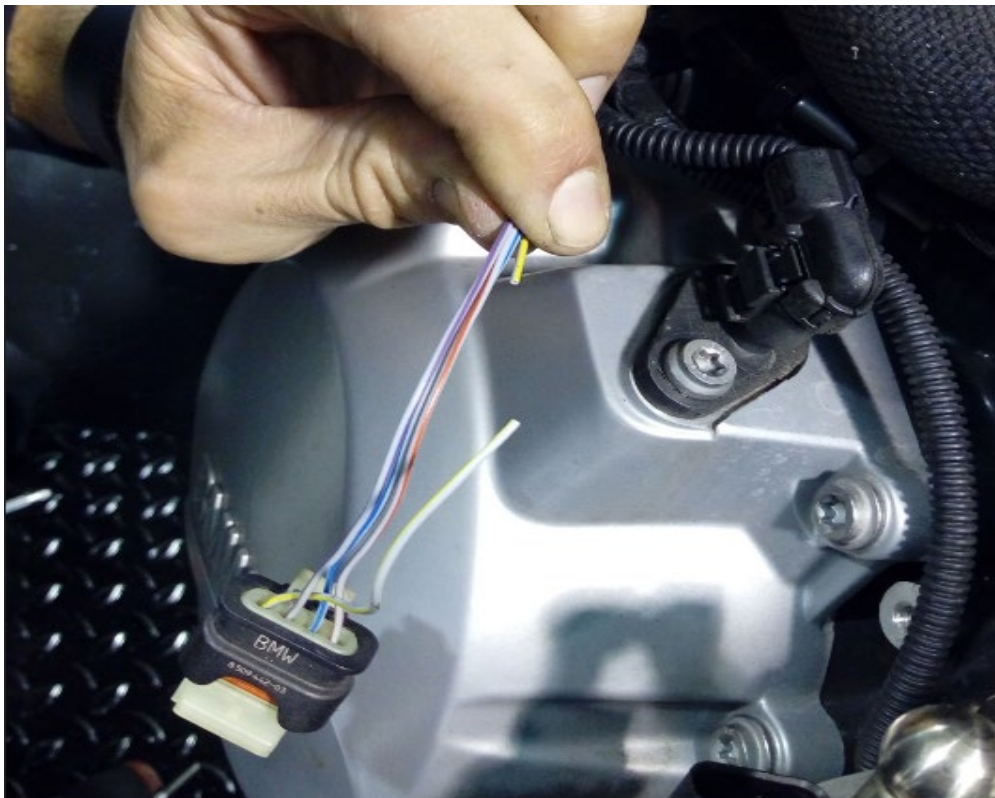
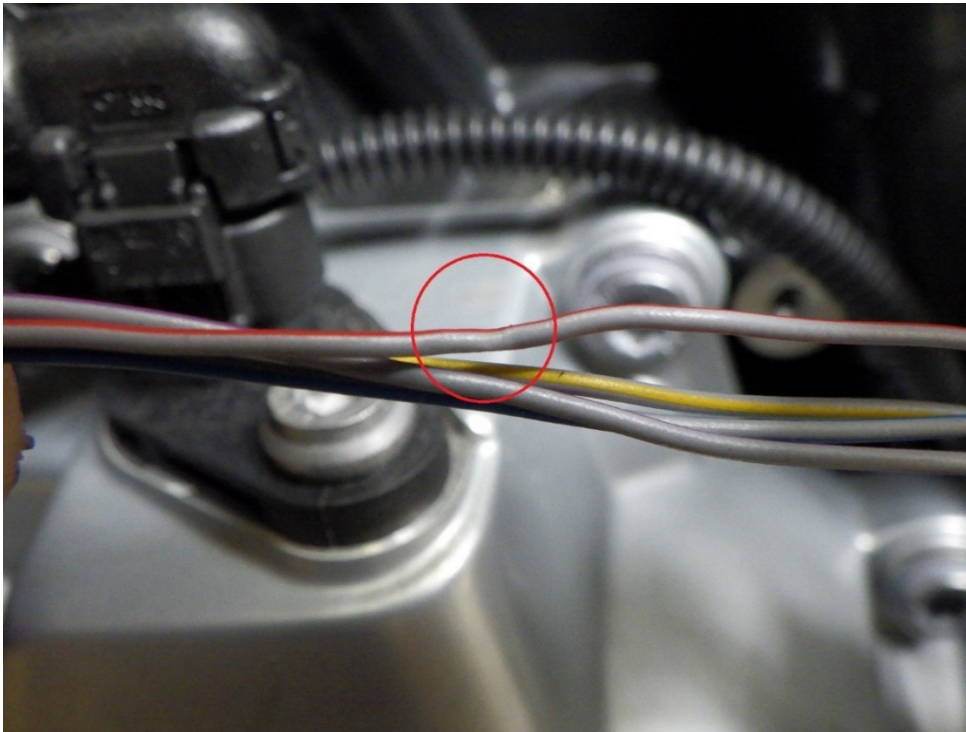


Figure 2: Internal Damage



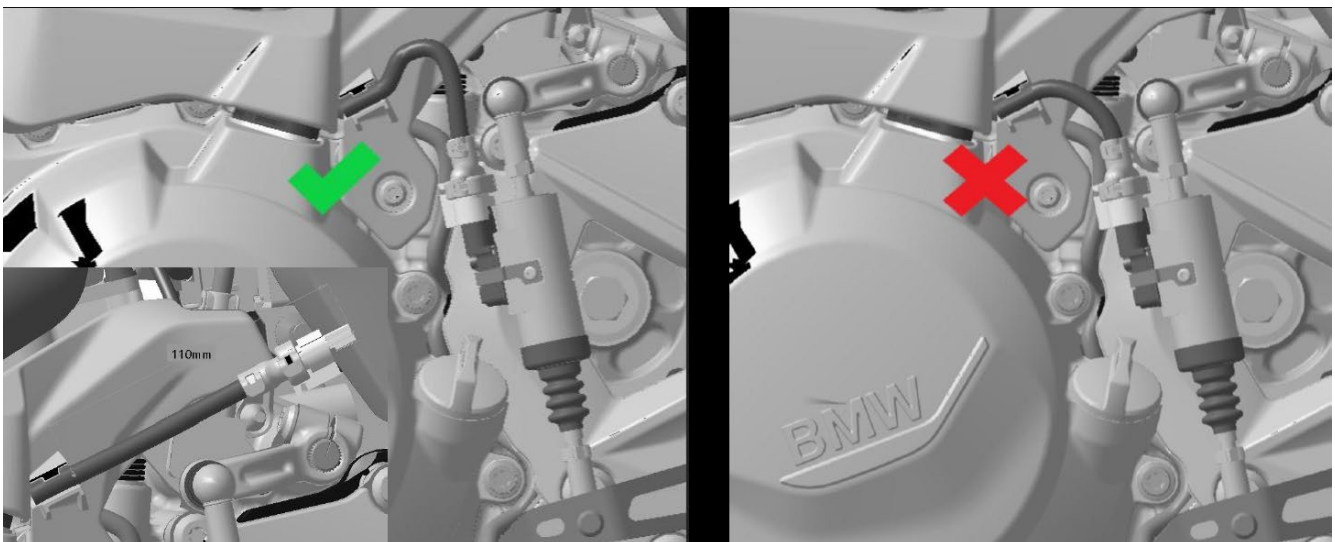
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