



## MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F25 (X3 Sports Activity Vehicle)	F26 (X4 Sports Activity Vehicle)
F30 (3 Series Sedan)	F31 (3 Series Sports Wagon)	F32 (4 Series Coupe)	F33 (4 Series Conv.)
F34 (3 Series Grand Turismo)	F36 (4 Series Gran Coupe)	F39 (X2 Sports Activity Coupe)	

## SITUATION

Occasional stopping of seat adjustability movement in the driver and front passenger seats when occupied, or the seats cannot be moved at all.

Sporadic fault memory entries to the CAN bus:

- Driver's seat: FAS\_12 – Fault Code E44414 - CAN-Bus Control Module Bus OFF
- Front passenger seat: BFS\_12 – Fault Code E48414 - CAN-Bus Control Module Bus OFF

## CAUSE

Improper positioning of the seat wiring harness beneath the seat. The seat frame can contact the harness, leading to intrusion into the wires and causing an unintended signal path to ground.

## CORRECTION

In the case of sporadic CAN bus faults, perform a visual inspection of the seat harness located below the front passenger seat.

The following test method is recommended:

1. Read out the fault memory.
2. If CAN bus faults are present, delete the fault memory and sit fully on the seat.
3. If the CAN bus fault is stored in the fault memory again, proceed as follows.
4. Check whether the harness and wires below the seat are routed and fastened properly.
5. If one or more of the wires are not attached, remove the seat and closely inspect the unattached wires and harnesses for chafe marks, fraying, cuts, or other damage.

Worn wires must be replaced or repaired. Refer to B61 01 07, and ISTA Repair Instructions 61 00 "Notes on handling wiring harnesses and cables".

## PROCEDURE

If the visual inspection requires removing the seat, refer to Repair Instructions 52 13 002 "Removing and installing front seat, passenger's side:

- Replace the mounting bolts (refer to Parts Information)

After installing the seat:

- Clear the fault memory.
- Sit on the seat and activate the front/rear movement switch.
- Confirm uninterrupted seat travel.

## PARTS INFORMATION

If the seat was removed to inspect the wiring harness, replace the seat mounting bolts. Obtain the part numbers for your specific vehicle by entering the chassis number in ETK which takes into account specific equipment and/or options.

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

<b>Defect Code:</b>	<b>6112588100</b>	<b>Seat wire harness interrupted</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to AIR/KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR/KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR/KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

And, additionally for the:

e-Vehicle

And, for the:

F22, F23, F30, F31, F32, F33 and F34

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
52 14 502	Refer to AIR/KSD2	Removing and installing front passenger seat (Plus work)
Or, as applicable:		
52 16 502	Refer to AIR/KSD2	Removing and installing front passenger seat (Sport seat) (Plus work)

Or, for the:

F25 and F26

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
52 14 500	Refer to AIR/KSD2	Removing and installing front passenger seat (Plus work)
Or, as applicable:		
52 16 500	Refer to AIR/KSD2	Removing and installing front passenger seat (Sport seat) (Plus work)

Or, for the:

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
52 13 502	Refer to AIR/KSD2	Removing and installing front passenger seat (Plus work)

And, as necessary:

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
61 00 009	Work time (WT)	Work time to inspect and reposition/repair the front passenger's seat wiring harness

Refer to AIR/KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 61 00 009 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

#### Other Repairs

If other eligible and covered work is performed after carrying out the ISTA diagnostics, inspection and/or the related test plans, claim this work with the applicable defect code and labor operations (including diagnosis) that are listed in the AIR/ KSD2/.