



## STEERING WHEEL BUTTONS DO NOT FUNCTION RELIABLY

### MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F31 (3 Series Sport Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)
F80 (M3 Sedan)	F82 (M4 Coupe)	F83 (M4 Convertible)	

### SITUATION

- Sporadic or continuous malfunction of multifunction steering wheel buttons
- CC Message "Cruise control without function" displayed
- Sporadic or continuous malfunction of shift paddles

### CAUSE

Frictional corrosion on connector line (wiring harness) between switch cluster and steering wheel

### CORRECTION

Replace the steering column switch cluster and steering wheel connecting line.

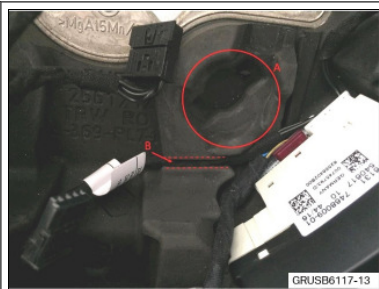
### PROCEDURE

For conditions that are similar to the situation described:

1. Remove and replace the steering column switch cluster according to the repair instruction "61 31 008 Remove and install / replace the steering column switch cluster (SZL)".
2. Install a new steering wheel connecting
3. Reinstall all removed parts.

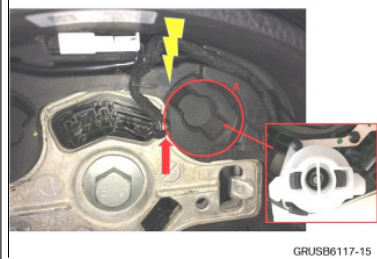
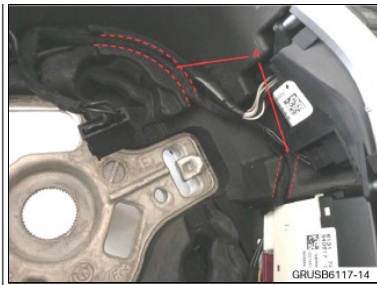


Note: Be certain to correctly route the wiring for the steering wheel connecting line as shown below

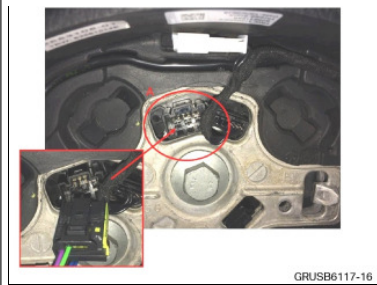


1. 1. Keep the area of the airbag counter piece area (A) clear to avoid the risk of crushing the harness. Be certain to use the routing guides (B) to run the cables.

2. Be certain to use the routing guides (A) to run the cables.



3. Keep the area of the airbag counter piece (A) clear to avoid the risk of crushing the harness.



4. Keep the area of the cable connection clear (A).

## PARTS INFORMATION

Part Number	Description	Quantity
As per EPC	Connecting line for steering wheel	1
As per EPC	Steering column switch cluster	1

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>6112557900</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		

61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD 2 as Charging battery)
And, as necessary:		
61 00 009	Work Time (WT)	Troubleshooting electrical/electronic system
And:		
61 31 513	Refer to KSD2	Removing and installing steering column switch cluster (after vehicle diagnosis)
And:		
61 99 000	1 FRU	Work time to replace connecting line for steering wheel

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

Refer to 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

Work time labor operation code 61 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

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