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2023-03-20

## IMPROPER EXCHANGE OF THE GEAR SELECTOR SWITCH (GWS), FAULT CODE - 802683

THIS REPAIR IS MOBILE FRIENDLY

### MODEL

F44 (2 Series Gran Coupe)	G01 (X3 Sports Activity Vehicle)	G02 (X4 Sports Activity Coupe)	G05 (X5 Sports Activity Vehicle)
G06 (X6 Sports Activity Coupe)	G07 (X7 Sports Activity Vehicle)	G14 (8 Series Convertible)	G15 (8 Series Coupe)
G16 (8 Series Gran Coupe)	G20 (3 Series Sedan)	G22 (4 Series Coupe)	G23 (4 Series Convertible)
G26 (4 Series Gran Coupe)	G29 (Z4 Roadster)	G42 (2 Series Coupe)	

### SITUATION

The gear selector switch (GWS) consists of the control electronics circuit and the selector lever. The sensors for recording the gearshift lever position and for inhibiting inadvertent gearshifts are integrated in the control electronics.

When the fault code 802683 - (Selector lever knob exchange without disconnection of battery) is stored, this indicates the GWS was exchanged without isolating the vehicles battery. Removal of electronic components without first disconnecting the vehicles battery may result in a short circuit, causing damage to the component.

**Important:** Once the fault "802683" is stored, it **cannot be deleted** and only becomes inactive after a GWS replacement. This is not a defect in the control unit.

Inform the customer that exchanging electrical components without disconnecting the vehicle battery can lead to damage.

### CORRECTION

**In the event of a customer complaint, proceed as follows.**

Perform a short test and read out the fault memory.

1. Whenever the fault code "802683" is stored **with additional faults**, in the gear selector switch (GWS) control unit, then the gear selector switch control module is also faulty and **must be replaced**.

**or**

2. Whenever the fault code "802683" is stored **without additional faults**, in the gear selector switch (GWS) control unit, then the fault memory entry **can be ignored**.

If the customer does not wish to have the GWS control unit repaired, it will continue to function.

**Note:** If the gear selector switch (GWS) has been tampered with, then the cost of replacement will **not be covered by BMW warranty**.

### WARRANTY INFORMATION

For information only.

### FEEDBACK REGARDING THIS BULLETIN

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