



Technical Service Bulletin

37 Vehicle electronics malfunction message, DTC B116229 is stored in the steering wheel or vehicle electronics module Q3

37 20 96 2058612/2 April 14, 2020. Supersedes Technical Service Bulletin Group 34 number 20-45 dated March 16, 2020 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q3	2019	All	With 0GC 7 speed S-tronic transmissions
Q3	2020	000001 - 008264	With 0GC 7 speed S-tronic transmissions

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Service Number Updated) Revised <i>Warranty</i> (Service Number Updated)
1	03/16/2020	Initial publication

Customer states:

- Warning message in driver information display stating, "Vehicle Electronics Malfunction" or "Shift to P, otherwise vehicle can roll away. Doors do not lock if lever is not in P".

Workshop findings:

The following DTC is stored in the vehicle central electrical system module, J519 (diagnosis address 0009):

- DTC B116229** (Selector lever park position lock switch implausible signal).

Technical Background

Component-related deviation in microswitch of the selector lever.

Production Solution

Improved switch.



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Service

If the customer has the above condition and the DTC B116229 is stored in the steering wheel electronics module, J527 (address word 0016) or the vehicle central electrical system module J519 (address word 0009), then install the new externally mounted microswitch module and selector lever handle sleeve per the instructions below (Figure 1).



Figure 1. New microswitch module.

⚠ Warning: Before starting the repair the parking brake must be set so the vehicle does not roll during the repair.



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1. Set the parking brake. Remove the shift knob with the boot and the complete center console (Position 12) per the repair manual instructions (Figure 2).

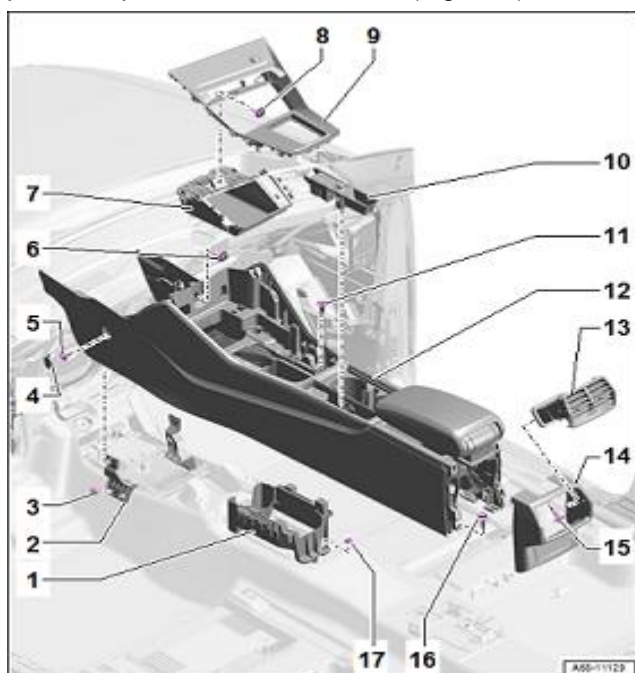


Figure 2. Center console overview.

2. Place the selector lever in "D" (Drive) and tape the opening of the shift gate to protect the selector lever control module from screws or tools falling into the control module (Figure 3).



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Figure 3. Tape covered shift gate.

3. Remove the T-20 screw circled in red (Figure 4). The screw can be discarded as it will not be used in the repair.



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Figure 4. Removing T-20 screw.

4. Install the spacer sleeve from the repair kit as shown below (Figure 5).



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Figure 5. *Installing the spacer sleeve.*

5. Install the new microswitch module starting with inserting the retaining tab on the passenger side as shown below and rotate into position (Figure 6).

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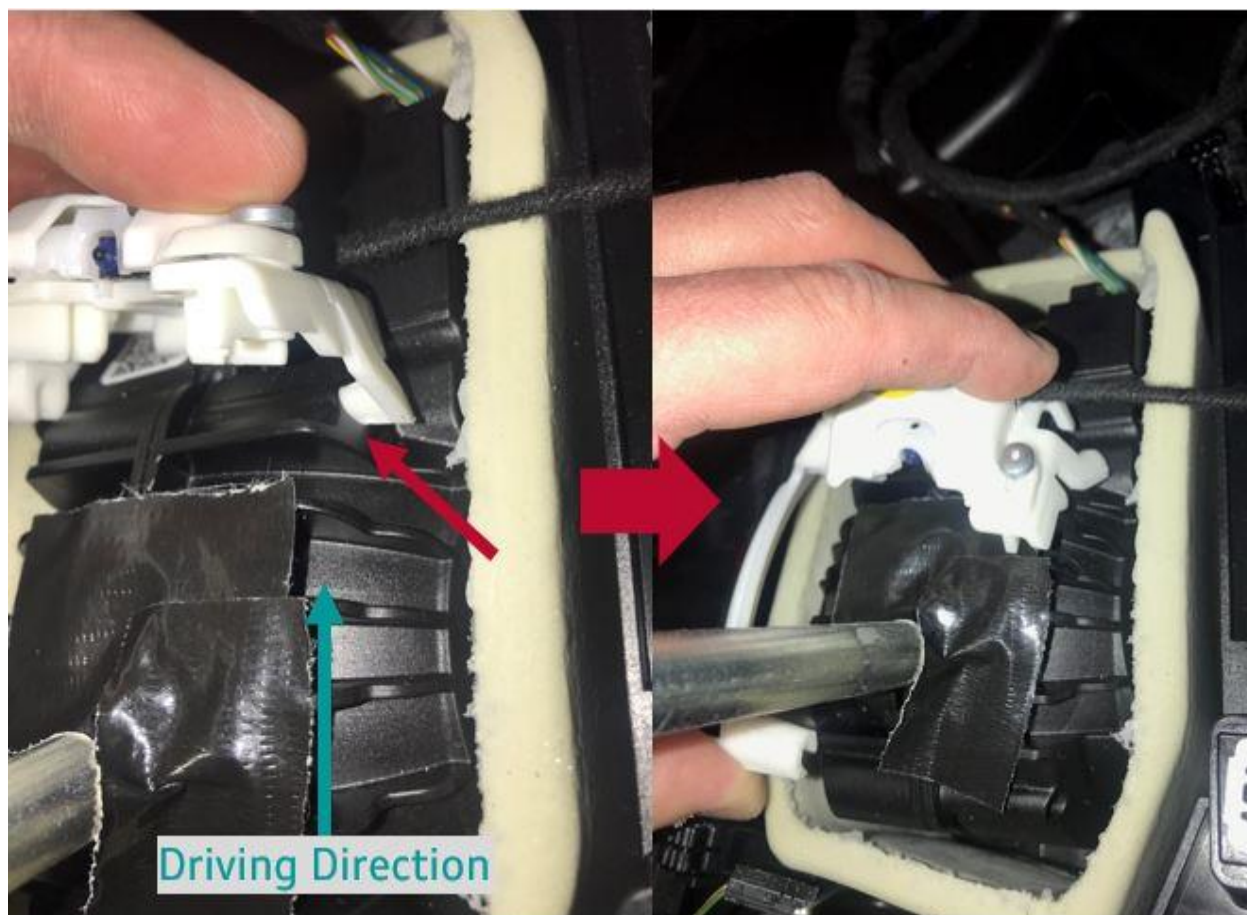


Figure 6. *Installing the microswitch module.*

6. Install the flexible rear extension of the microswitch module into the hole at the rear of the selector lever control module housing.



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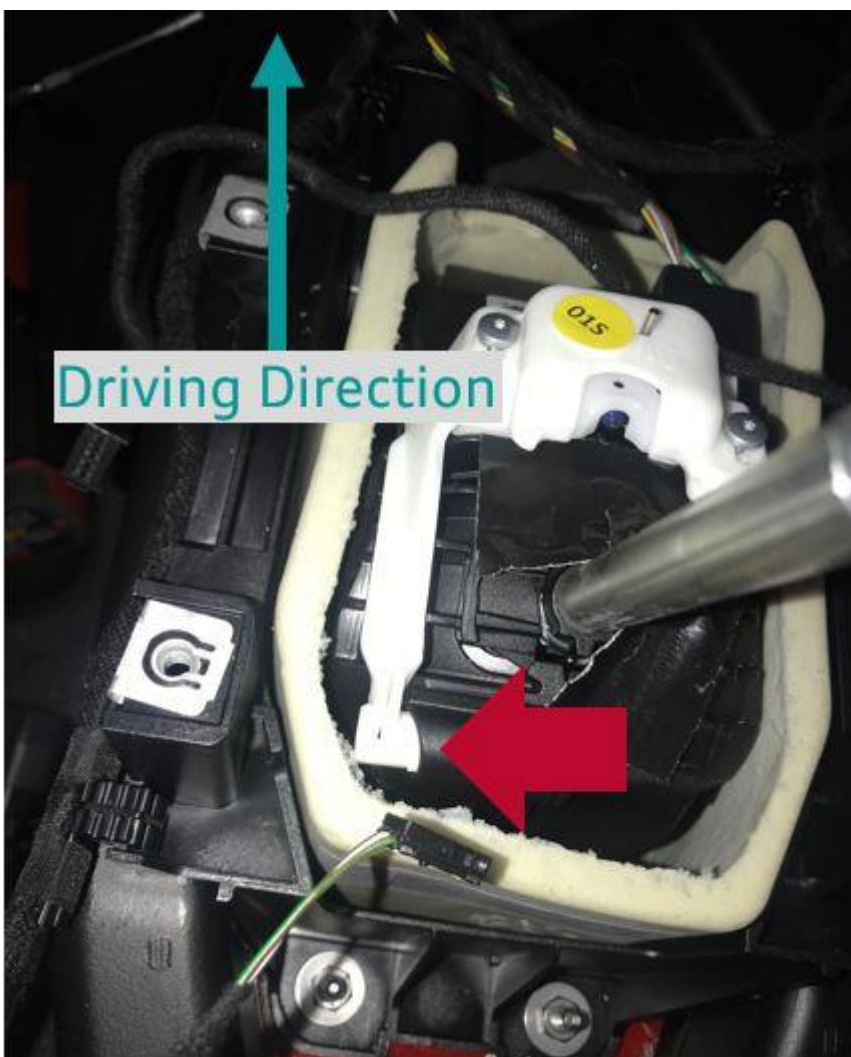


Figure 7. Microswitch module rear extension installation position.

7. Secure the microswitch module to the selector lever housing with the new longer T-20 screw included in the repair kit. Tighten the screw to 2.0 Nm (Figure 8).



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Figure 8. Installation of the screw.

8. Disconnect the electrical connector from the selector lever control module. Plug one end of the microswitch module Y cable into the selector lever control module and the other end into the existing vehicle harness that was just disconnected. Pull the foam cover over the connection to the vehicle harness. Place the connection with the foam cover in front of the selector lever control module as circled below (Figure 9) route the smaller wiring in a loop in-between the foam and the selector lever control module as shown below with the red arrow (Figure 9).



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Figure 9. Electrical connection.

9. Adjust the new microswitch module as follows:
 - Remove the tape that is covering the shift gate.
 - Place the selector lever in “P” (Park) Position.
 - Lightly pull the selector lever toward the reverse lockout (the release mechanism must not be operated) and hold in this position (Figure 10).
 - Move the adjustable slide of the microswitch module until it is completely touching the selector lever and tighten the two T-8 screws to 1.0 Nm.

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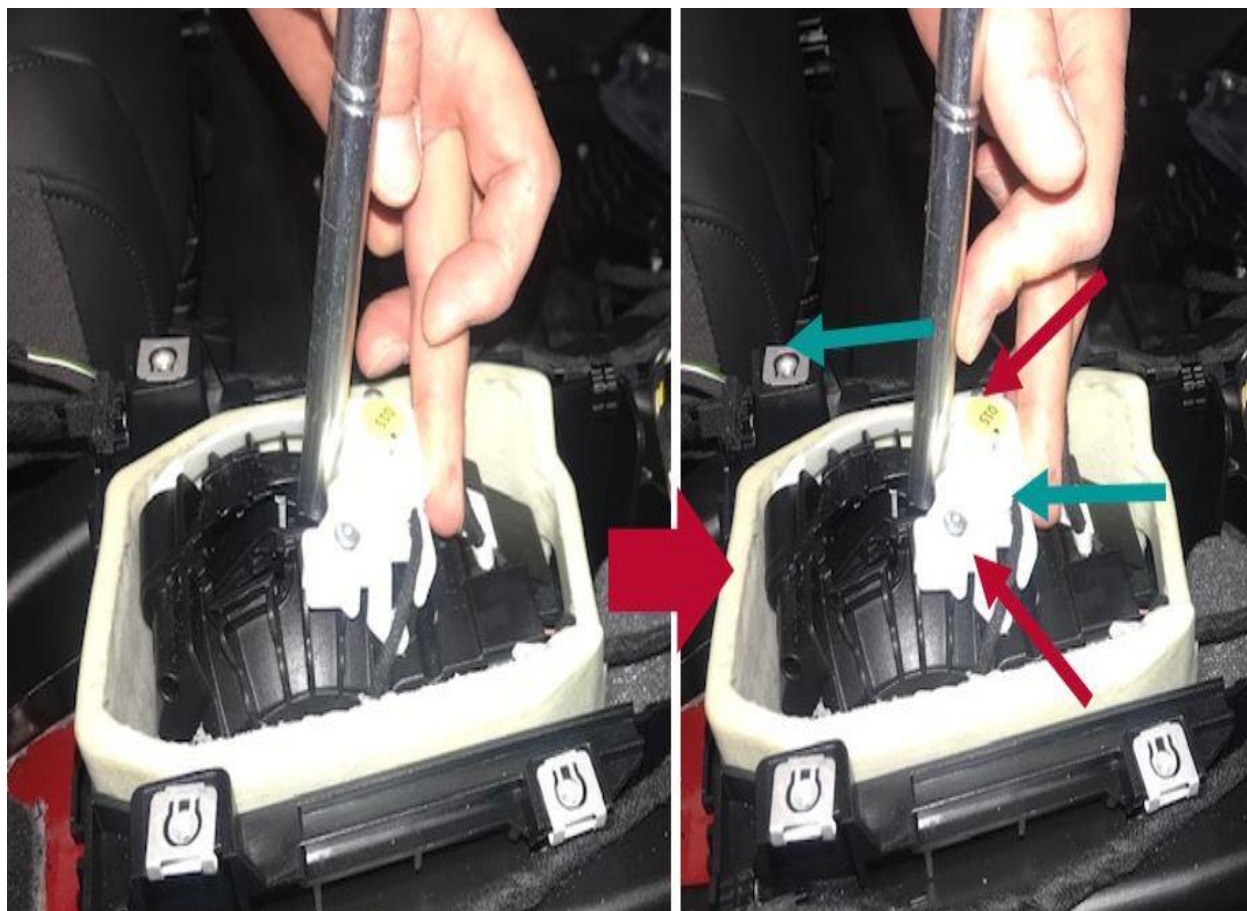


Figure 10. *Electrical connection.*

Once the screws are tightened, remove the locking pin as shown below (Figure 11). Save the pin in case you have to make another adjustment.



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Figure 11. Removing lock pin from the microswitch module.

10. Reinstall the complete center console and the shift knob per the repair manual.
11. Perform the GFF test plan for the DTC B116229 (Selector lever park position lock switch implausible signal) for fine-tuning of the microswitch module. Check for proper operation. If a 2nd adjustment is required, reinsert the lock pin and follow the steps in Step 9.
12. Confirm the proper operation of the module.



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Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3765		
Damage Code:	0040		
Labor Operations:	Remove and install the console	6817 1900	See SRT
	Modify gear lever housing (installation of a microswitch module)	3410 3199	30 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 70 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2058612/2		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
3Q0713128A	Microswitch module repair kit	01
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information

All parts and service references provided in this TSB (2047609) are subject to change and/or removal.



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