



# Technical Service Bulletin

## 37 Transmission malfunction, DTC P17F600, U008000, and/or U010100 stored in the TCM or ECM

37 19 88 2053878/4 August 14, 2019. Supersedes Technical Service Bulletin Group 37 number 19-86 dated March 21, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2019	000001 - 121296	3.0TFSI

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header (Updated VIN break) Revised <i>Condition</i> (Added DTCs)
3	03/21/2019	Revised <i>Required Parts and Tools</i> (Corrected part number)
2	03/12/2019	Revised <i>Service</i> (Updated to specify that a new harness is supposed to be installed) Revised <i>Required Parts and Tools</i> (Added part number)

### Customer states:

- A transmission malfunction indicator is displayed in the instrument cluster.
- Multiple other warnings might be displayed in the instrument cluster.

### Workshop findings:

One or more of the following DTCs may be stored in the transmission control module (TCM), J217 (address word 0002):

- **DTC P17F600** (Parking lock solenoid Electrical error).
- **DTC P17F500** (Parking lock solenoid Open circuit).
- **DTC P17F400** (Parking lock solenoid Short circuit to ground).
- **DTC U008000** (Vehicle Communication Bus F).

The following DTC may be stored in the engine control module (ECM), J623 (address word 0001):

- **DTC U010100** (Lost Communication with TCM).



# Technical Service Bulletin

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## Technical Background

The transmission harness can come in contact with the crossmember and could be damaged.

## Production Solution

Optimized wiring harness and routing implemented in production.

## Service

1. Inspect for damage to the transmission harness (Figure 1 - 4).
  - Thoroughly inspect the transmission wiring harness for damage.
  - Harness damage can be very subtle. Even a light chafing of the harness wrap can cause the DTCs.
  - If there is no harness damage found, please contact TAC.



**Figure 1.** Common areas for harness damage.



# Technical Service Bulletin

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*Figure 2. Example of a small rip in the protective tape.*



# Technical Service Bulletin

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*Figure 3. The damage on the harness might be difficult to spot.*



# Technical Service Bulletin

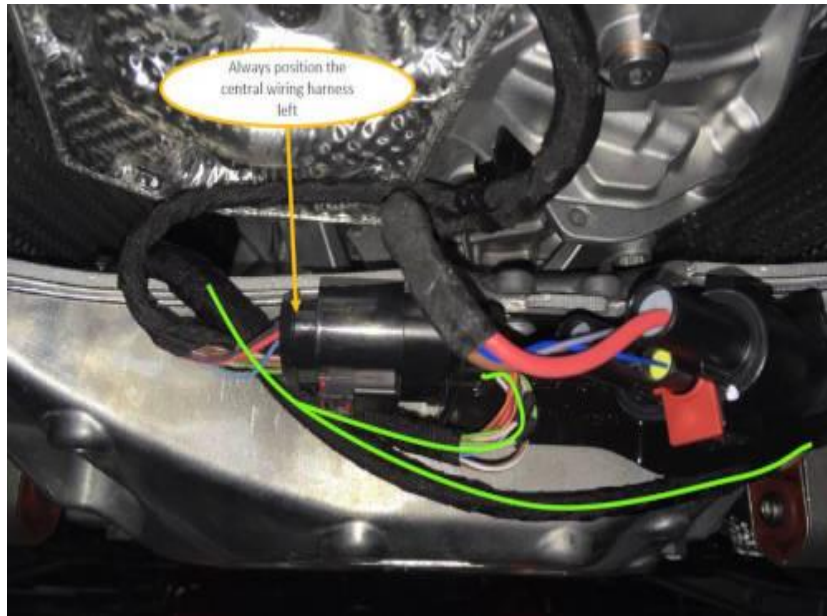
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**Figure 4.** The cause of the DTC may be as small as a pinhole.

2. Replace the transmission harness with a new part and reroute the transmission harness. The transmission harness should not be repaired.

- Remove the old transmission harness in the vehicle.
- Wrap the exposed wires on the new transmission harness as shown in Figure 5.
- Mount and route the new transmission harness as shown in Figure 6.



**Figure 5.** Routing and wrapping of the aft part of the transmission harness.



# Technical Service Bulletin

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**Figure 6.** Routing and mounting of the transmission harness behind the crossmember.

3. The crossmember is shown dismounted in Figure 6 to show the new mounting points more clearly. For mounting and installation of the new transmission harness, the cross-member does not have to be disassembled.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li><li>• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	9781		
<b>Damage Code:</b>	0024		
<b>Labor Operations:</b>	Inspect transmission harness	9781 9999	40 TU
	Repair or reroute transmission harness	9709 9999	80 TU
<b>Diagnostic Time:</b>	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic



# Technical Service Bulletin

			protocol (Max 30 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
<b>Claim Comment:</b>	As per TSB #2053878/4		

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
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
4K0971769A	Transmission Wiring Harness	01
N10729301	Tape	Up to .2

## Additional Information

All parts and service references provided in this TSB (2053878) are subject to change and/or removal.

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