



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).



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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.



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



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

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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.

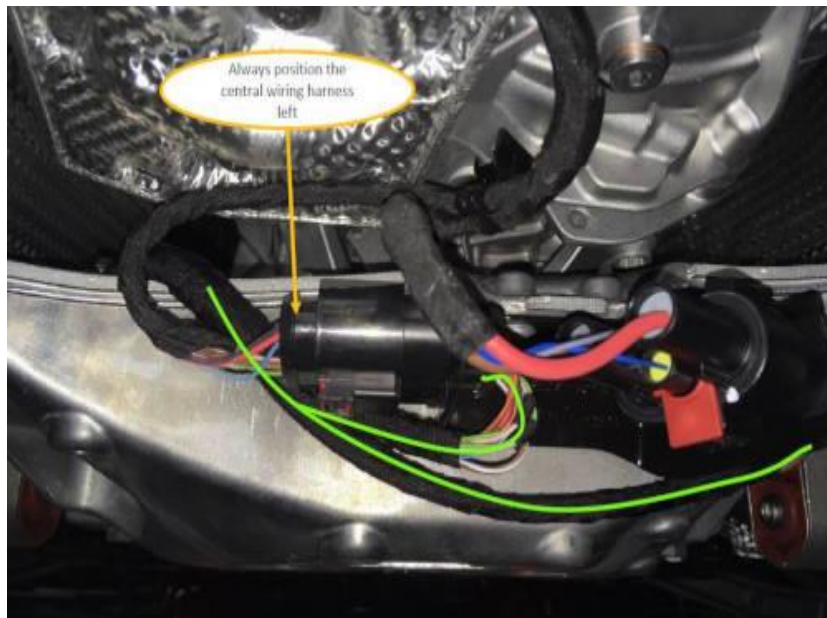


Figure 5. Routing and wrapping of the aft part of the transmission harness.



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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

Claim Type:	• 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:	9781		
Damage Code:	0024		
Labor Operations:	Inspect transmission harness	9781 9999	40 TU
	Repair or reroute transmission harness	9709 9999	80 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic



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			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
Claim Comment:	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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