



Technical Service Bulletin

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

37 19 84 2053878/1 February 26, 2019.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2019	000001 - 050600	3.0 TFSI

Condition

Customer states:

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

Workshop findings:

The following DTCs may be stored in the transmission control module (TCM), J217 (address word 0002):

- **DTC P17F600** (Parking lock solenoid Electrical error).
- **DTC U008000** (Vehicle Communication Bus F).

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

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

Technical Background

The transmission harness can come in contact with the cross member damaging it.

Production Solution

Optimized wiring harness and routing implemented in production.



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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 already cause said DTCs.
 - Should no harness damage be found, please contact TAC.



Figure 1. Common positions for harness damage.



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



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Figure 3. *The damage in 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 and reroute the transmission harness.
 - Remove the old transmission harness in the vehicle.
 - Wrap the exposed wires in the transmission harness as shown in Figure 5.
 - Mount and route the new transmission harness as shown in Figure 6.

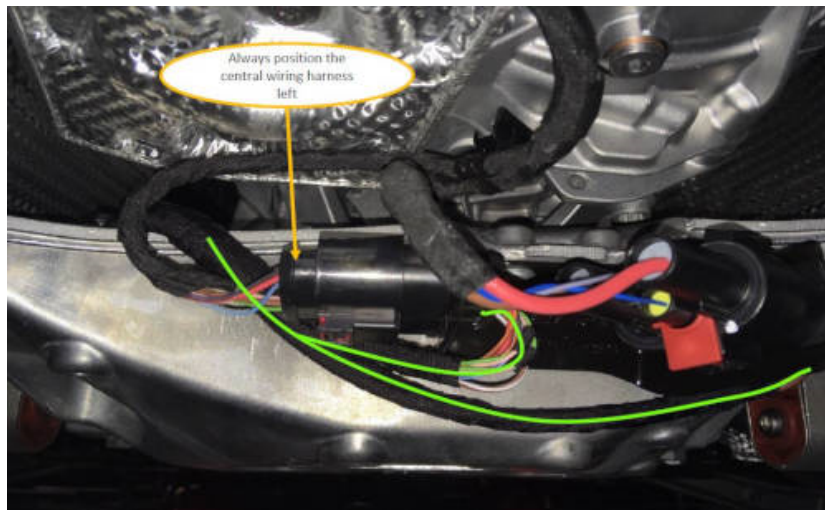


Figure 5. Routing and wrapping of the aft part of the transmission harness.



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Figure

6. Routing and mounting of the transmission harness behind the cross member.

3. The cross-member 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.



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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 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 protocol (Max 30 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2053878/1		

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
N19729301	Tape	Up to .2



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Additional Information

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

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