



Technical Service Bulletin

35 Gearbox Malfunction warning on, DTC P17F900 is stored in the TCM

35 24 53 2064312/6 October 29, 2024. Supersedes Technical Service Bulletin Group 35 number 23-47 dated December 11, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A4 allroad, A5, A5 Cabriolet, A5 Sportback, A6, A6 allroad, A7, and Q5	2020 – 2023	All	DL382 Transmission
Q5 Sportback	2021 – 2023		

Condition

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised <i>Condition</i> (Added DTC) Revised <i>Warranty</i> (Adjusted warranty table)
5	12/11/2023	Revised header (Updated Model Years)
4	09/20/2023	Revised header (Updated Model Years)

Customer states:

- The gearbox malfunction message is on.
- The vehicle has no drive.

Workshop findings:

The following DTC are logged in the transmission control module (TCM), -J217- (address word 0002):

- **DTC P17F900** (Parking lock Mechanical malfunction) active/static or passive/intermittent with symptom code 22345.

and/or

- **DTC P074700** (Solenoid valve 1 stuck operated) active/static or passive/intermittent with symptom code 20968.

and/or

- **DTC P077700** (Solenoid valve 2 stuck operated) active/static or passive/intermittent with symptom code 20969.

These event memory entries can occur either individually or in combination with each other.



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Technical Background 1

Bolts loose on cover for high-pressure filter (pressure filter 2).

Production Solution

Not applicable.

Service



Please read the entire work procedure before starting the actual work so the scope and number of the repair options are understood completely.

If the event memory entries listed in the workshop findings are found in the diagnostic log, perform the following:

1. Follow Guided Fault Finding for the DTC and if the result of the test plan states to replace the Parking Lock Solenoid N486 then proceed with this repair.

*If Guided Fault Finding recommends a different repair this TSB **does not** apply.*

2. If the result of the Guided Fault Finding test plan was to replace Parking Lock Solenoid N486 the next step is to remove the Mechatronics unit per the Elsa Repair Manual.
3. After removing the Mechatronics unit remove the intake filter (Figure 2, positions 8 and 9) to access one of the filter bolts and perform a visual inspection of the installation of the bolts for pressure filter 2 (Figure 2, position 10 and 11). This is the smaller of the 2 canister filters installed to the mechatronics unit with 3 bolts attaching the filter to the unit (Figure 3).



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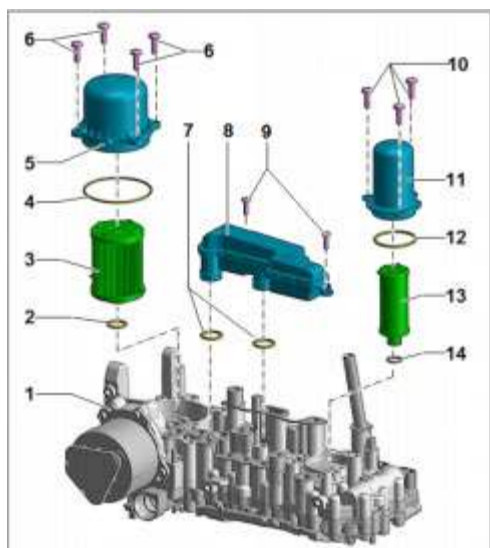


Figure 2. Mechatronics parts.

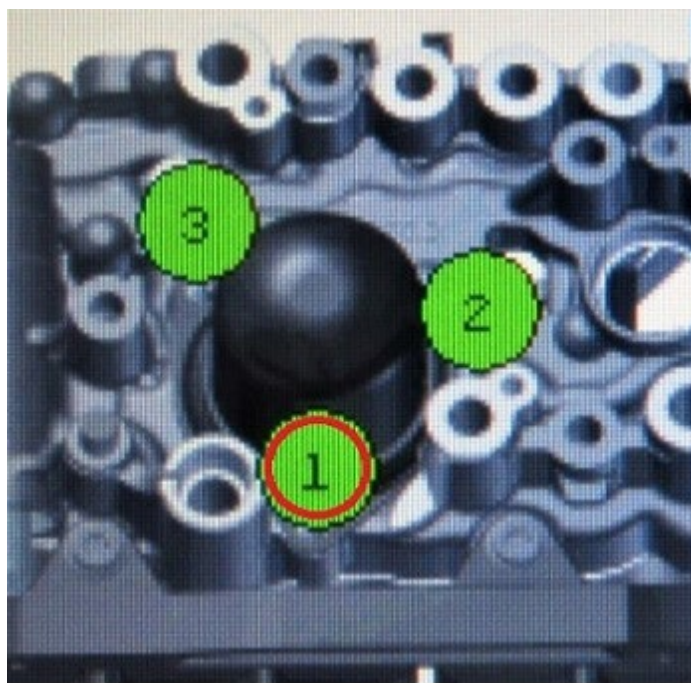


Figure 3. Bolt locations.

4. After inspecting the bolts there are 3 different repairs that can be performed depending on your findings:



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Option 1

One or more bolts are loose (Figure 4).

You may also see the securing ring is not flush to the valve body which would mean the bolts are loose.

If the bolts are loose, replace the cover (with seal) along with the bolts as described in ETKA and the Workshop Manual. Claim Option 1 in the Warranty Table below.



Figure 4. Loose bolts.

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Option 2:

One or more bolt heads are broken off or missing (Figure 5).

Remove the cover for the high-pressure filter. Attempt to remove the remaining pieces of the bolts by hand (without tools). If possible, then install a new cover (with seal) and the three securing bolts as specified in ETKA and the workshop manager. Claim option 1 in the warranty table below.

Only if any of the bolts cannot be removed by hand, replace the Valve Body per the Elsa Repair Manual. Claim Option 2 in the Warranty Table below.



Figure 5. The bolt head is missing.

Option 3:

All 3 bolts are tight. Replace the Parking Lock Solenoid N486 **and the Pressure pipe for the N486** (Figure 4) per the Elsa Repair Manual. Claim Option 3 in the Warranty Table below.

NOTICE

PHEV Models require transmission removal which requires the HV system to be deactivated. Read and follow all of the Elsa Repair Manual steps and safety precautions.

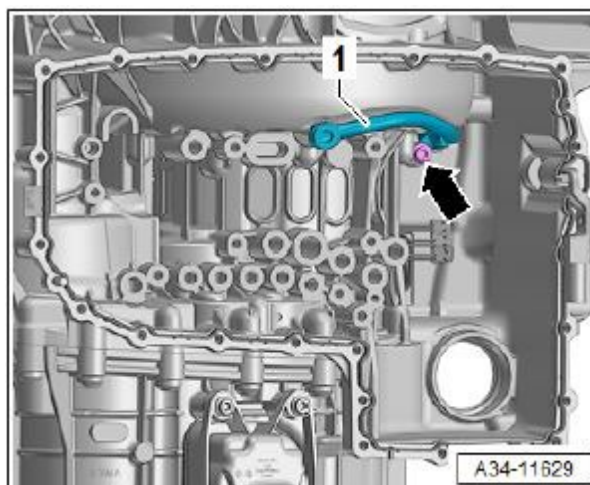


Figure 4. Pressure pipe for the parking lock solenoid.

5. After the repair, perform a test drive to confirm proper operation.

Warranty

Claim Type:	If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.
Service Number:	3511



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Damage Code:	0010		
Labor Operations: (All three options)	Remove and install the mechatronic unit	3511 19XX	See SRT with associated operations
	Check mechatronic unit	3511 0199	10 TU
Repair Option #1	Service mechatronic unit	3511 4199	20 TU
Repair Option #2	Mechatronic disassemble and reassemble (Replace valve body)	3511 3750	See SRT with associated operations
Repair Option #3	Remove and install hydraulic control unit	3482 19xx	See SRT with associated operations
(All three options)	GFF	0150 0060	Time stated on the diagnostic protocol
	Charge battery	2706 8950	See SRT with associated operations
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2064312/6		

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.

Additional Information

All parts and service references provided in this TSB (**2064312**) are subject to change and/or removal.

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