



Technical Service Bulletin

34 Restricted function, DTC P071800 and P081100 are stored in the TCM

34 22 54 2060242/2 March 17, 2022. Supersedes Technical Service Bulletin Group 34 number 20-48 dated August 5, 2020, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, and A4 allroad	2018-2021	All	0CK, 0CL or 0CJ Transmission
A6, and A6 allroad	2019-2021		0CK, 0CJ or 0HL Transmissions
A7	2018-2021		0HL or 0DK Transmissions
Q5, and Q5 Sportback	2018-2021		0CJ or 0DK Transmissions
A5 Coupe, A5 Cabriolet, and A5 Sportback	2018-2021		0CL or 0CJ Transmissions

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Header</i> (Added MY 2021 vehicles) Revised <i>Parts and Tools</i> (Added 0DK transmission parts and tools) Revised <i>Warranty</i> (Added labor time for 0DK transmissions and updated GFF time)
1	08/05/2020	Initial publication



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Customer states one or more of the following:

- The "Transmission Malfunction" message is displayed in the instrument cluster.
- Vehicle has no drive.
- Vehicle temporarily does not shift gears up or down.
- The "Transmission Malfunction" message with "Journey can be continued with restrictions" is displayed in the instrument cluster.
- Vehicle is in emergency operation.
- The message "Reverse gear not available" is displayed in the instrument cluster.

Workshop findings:

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

- **DTC P071800** (Input/Turbine Speed Sensor "A" Circuit Intermittent) with symptom code 20736 (passive/sporadic or active/static).
- **DTC P081100** (strong clutch slip) with symptom code: 20870 (passive/sporadic only).

Technical Background

Not applicable.

Production Solution

Not applicable.

Service

DTC P071800 is logged as active/static:



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If the DTC "P071800 sender 1 for gearbox input speed, interruption" active/static is stored (Figure 1), the repair in the TSB does not apply to your case. Please complete the Guided Fault Finding test plan for the fault *completely and accurately*. Open an Audi Technical Assistance Center (TAC) case with the test plan attached or uploaded to GFF paperless. Then contact the Audi Technical Assistance Center (TAC) for assistance.

DTC memory entry

Number: P071800: Input/Turbine Speed Sensor "A" Circuit Intermittent

Error type 2: active/static

Symptom: 20736

Status: 10101111



Figure 1. DTC active/static.

DTC P071800 is logged as passive/sporadic:

1. If the DTC "P071800 sender 1 for gearbox input speed, interruption" passive/sporadic is logged (Figure 2), then replace the gear actuator module (Figure 3) and replace the TCM, J217 (address word 0002) (Figure 4) according to the Elsa repair manual.

DTC memory entry

Number: P071800: Input/Turbine Speed Sensor "A" Circuit Intermittent

Error type 2: passive/sporadic

Symptom: 20736

Status: 10101000



Figure 2. DTC passive/sporadic.



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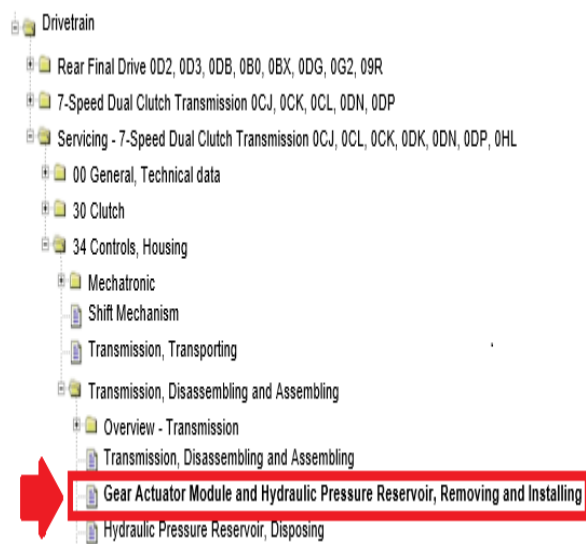


Figure 3. Gear actuator replacement instructions.

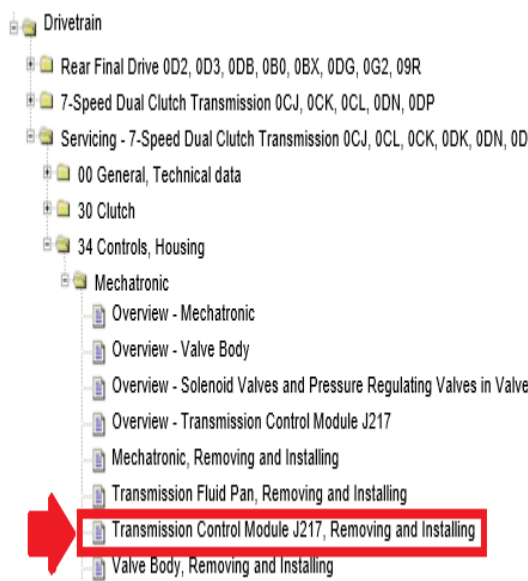


Figure 4. Transmission control module instructions.

2. After replacing the gear actuator module and the TCM, J217 (address word 0002) perform the “control module replacing” test plan in the scan tool.
3. Perform a test drive to confirm the repair.

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:	3484
Damage Code:	0016



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Labor Operations:	Remove and install gearbox (See ELSA, labor operations different by model)	3435 XXXX	See SRT with associated operations
	Front-wheel drive transmission: repair the gearbox (replace gear actuator and valve body)	3435 4199 (0CK)	610 TU
	Quattro/Quattro ultra: repair the gearbox (replace gear actuator and valve body)	3435 4199 (0CL/0CJ/0HL)	660 TU
	PHEV: repair the gearbox (replace gear actuator and valve body)	3435 4199 (0DK)	720 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 150 TU)
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2060242/2		

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



Note:

Please reference the repair manual for additional hardware required for the removal of the transmission. Below are the parts for the gear selector and the TCM. **Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.**



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Part Number	ETKA Illustration and Position #	Part Description	Quantity
See ETKA		Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
Order to VIN	325-056, 325 086 or 325-061 Pos. 3	Shift selector	01
WHT006777	325-056, 325 086 or 325-061 Pos. 5	O-Ring (for accumulator)	01
OCK301378A	325-056, 325 086 or 325-061 Pos. 6	Oiling Tray	1
N 91043601	325-056, 325 086 or 325-061 Pos. 7, 8, 9 and 18	Hex socket head bolt (combi) –M6X30-	11
Order to VIN	325-056, 325 086 or 325-061 Pos. 9	Hex socket head bolt M8X40	06
WHT002459	325-056, 325 086 or 325-061 Pos. 11	Hexagon socket head bolt -M8X40-	20
OCK301463A	325-056, 325 086 or 325-061 Pos. 14	Gasket for housing	01



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Must remove and measure original Lock Ring to order correct part number. See ELSA repair instructions	325-056, 325 086 or 325-061 Pos. 16	Lock Ring	01
WHT002459C	321-060, 321-062 or 321-065 Pos. 6	Hexagon socket head bolt –M8X40-	12
OCK301461	321-060, 321-062 or 321-065 Pos. 7	Gasket Multi-plate clutch	01
OCK301164	321-060, 321-062 or 321-065 Pos.10	Gasket	01
OCK301215	321-060, 321-062 or 321-065 Pos. 11	Gasket	01
OCK301166	321-060, 321-062 or 321-065 Pos. 12	Gasket	01
Order to VIN	325-055, 325-85 or 325-060 Pos. 3	Control Unit for Automatic Gearbox	01
N 10801101	325-055, 325-85 or 325-060	Hexagon socket flat head bolt	03



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	Pos. 4		
N 91127901	325-055, 325-85 or 325-060 Pos. 5	Hexalobular flange screw M6X25	04
Order to VIN	325-055, 325-85 or 325-060 Pos. 7	Gasket for oil pan	01
Order to VIN	325-055, 325-85 or 325-060 Pos. 8	Tube	01
Order to VIN	325-055, 325-85 or 325-060 Pos. 9	Threaded plug	01
Order to VIN	325-055, 325-85 or 325-060 Pos. 11	Threaded plug	01
N 91043601	325-055, 325-85 or 325-060 Pos. 13	Hex socket head bolt -M6X30-	25
Order to VIN	325-055, 325-85 or 325-060 Pos. 26	Threaded plug	01
0CK301191A	325-055, 325-85 or 325-060 Pos. 27	Gasket	01



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N 91173601	325-055, 325-85 or 325-060 Pos. 30	Hexalobular flange screw M6X22	04
0CK325444	325-100 or 325-101 ODK Pos. 28	Gasket	01
0CK325445	325-100 Pos. 29	Gasket	01
0CK325443	325-100 Pos. 30	Gasket	01
N 91127901	325-100 Pos. 35	Hexalobular flange screw M6X25	03
N 10739402	325-100 Pos. 38	Bolt, hex head with shoulder M6X90X70 (mechatronics bolts)	07
G 055529A2	30-050 or 30-053 or 30-055 or 30-057 Pos. 3	Dual Clutch Gearbox Oil ATF (Automatic Transmission Fluid)	5 (4.35 Max refill)
G 052549A2	30-050 or 30-053 or 30-055 or 30-057 Pos. 2	Transmission oil MTF (Manual Transmission Fluid)	4 (3.8 Max refill)
Additional parts for 0CL transmissions(Quattro Classic)			
N 10582108	409-070 Pos. 7	Hexagon socket flat head bolt Only For Transmission 0CL	02
WHT002429	409-070 Pos. 8	Hexagon socket head bolt Only For Transmission 0CL	11



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0CK325446	325-100 Pos. 31	Gasket	01
Additional part for 0CK transmissions (Front Wheel Drive)			
0CK301257A	325-081 Pos.13	Sealing Cap	01
Additional parts for 0CJ and 0HL transmissions (Quattro Ultra)			
0CK325446	325-100 Pos. 31	Gasket	01
0CK301257A	325-081 Pos.13	Sealing Cap	01
Order to VIN	325-056 Pos. 25	Radial shaft seal	01
Additional parts for 0DK transmissions (PHEV / Hybrid)			
0CK325446	325-101 Pos. 31	Gasket	01
0DK 315 380	325-060 Pos. 35	Gasket for	01
WHT 009 273	325-062 Pos.9	O-Ring	01
WHT 003 379 C	325-062 Pos. 11	O-Ring	02
0CK 301 164	321-065 Pos. 10	Gasket	01



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OCK 301 215	321-065 Pos. 11	Gasket	01
OCK 301 166	321-065 Pos. 12	Gasket	01
ODK 301 166A	325-063 Pos. 15	Gasket	01
WHT 006 741	325-063 Pos. 16	O-ring	01
ODK 121 131 A	325-063 Pos. 18	Coolant adaptor with seal	01
N 91104601	325-063 Pos. 21	Bolt, with polygon socket hd.	12
ODK 972 921	325-062 Pos. 7	Double Grommet	01

Tool Number	Tool Description
VAS6100	Shop Crane
T40123A with T40123/2	Dual Clutch Lifting Device with sleeve
T40099	Pressure Stand
T40100	Ruler
VAS6087	Digital Depth Gauge



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T40288	Guide Pins - Gearbox -
10-222A/2	Engine Support Bridge - Additional Hooks
T40323	Press Tool
VW771	Slide Hammer Set
T40155	Retaining Strap
10-222A/12	Engine/Gearbox Support Shackle
VW637/2	Puller - Grease Cap
VAS1978/14A	Hot Air Blower (Component of VAS1978B)
T40321	Support
T40322A	Cover
T40305	Assembly Tool
T40199	Oil Sump Assembly Pin
VAS6122	Engine Bung Set
Tools below are only required for the 0DK transmission PHEV	
Tool Number	Tool Description
T40412	Assembly Tool
T40410	Lifting Device

Additional Information

All parts and service references provided in this TSB (2060242) are subject to change and/or removal.



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