

Technical Service Bulletin



24 DTC P19A200 after ECM replacement or software update

24 16 52 2043894/1 April 14, 2016.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2015	017829 - 999999	With 1.8L TFSI and DSG transmission
A3	2015	000001 - 064730	With 1.8L TFSI and DSG transmission

Condition

In an A3 vehicle with a 1.8TFSI engine (code CNSB) and DSG transmission:

- After the engine control module (ECM) is replaced or is updated to software version 0004 or higher, the following DTC is stored in the ECM, J623 (address word 01):
 - **DTC P19A200** (Transmission coolant valve open circuit) - with error type 2 and symptom code 15447

Technical Background

From software version 0004, a diagnosis of the control circuit for the transmission coolant valve is active, but on some vehicles the control circuit (wire) for the valve was not installed by the factory. The missing wire creates a permanent open circuit for the diagnosis line of the transmission coolant valve. There is no restricted function for the customer and the vehicle operates normally.

Production Solution

The diagnosis wire is installed in production.

Service

1. Check pin 39 on connector T91 in the ECM for a wire and terminal:

Wire is present in connector T91:

- If a cable is in place, complete the test plan for the DTC with Guided Fault Finding.

Wire is not present in connector T91:

- Route a new cable from pin 39 on connector T91 to pin 1 of connector T14 (grey connector, part number 5Q0 973 737) on the vehicle end. See Elsa repair manual for location. Route the missing wire along the wiring harness (Figure 1).
- Proceed to *Wiring Harness Repair Instructions, Part 1* below.

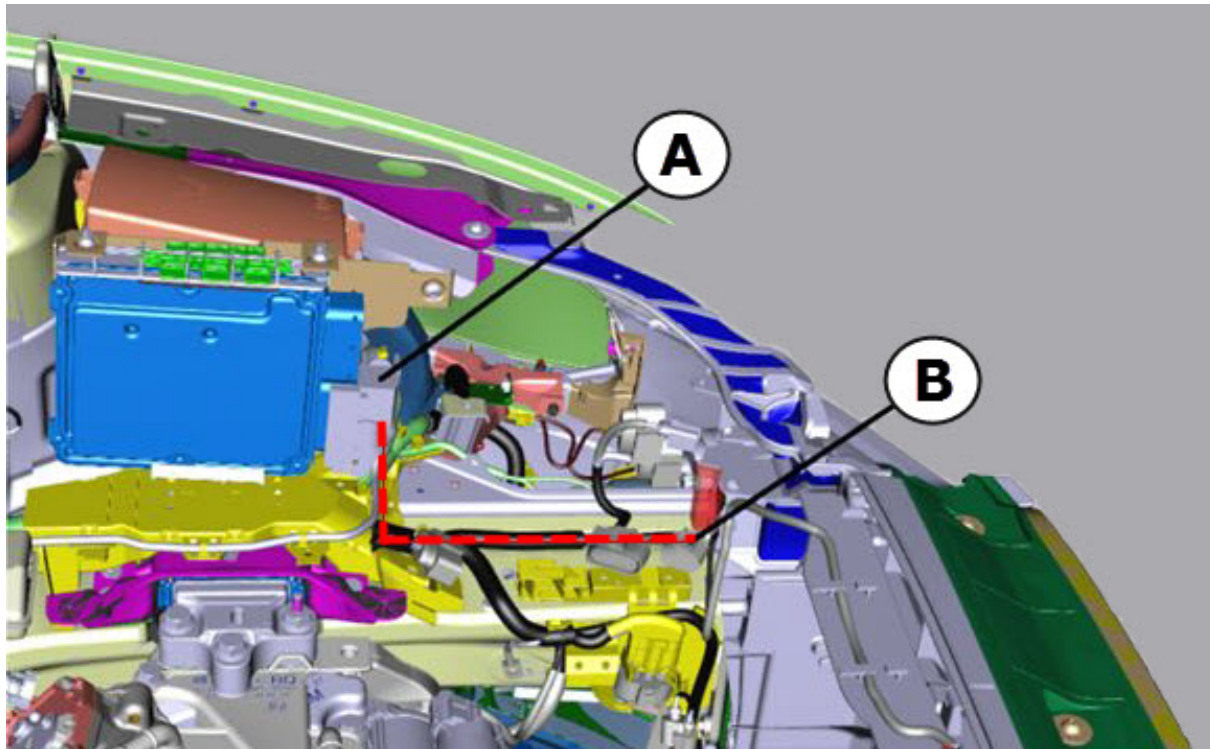


Figure 1. Pin 39 on connector T91 (A), pin 1 on connector T14 (B), start and end route for the missing wire (dotted red line).

Wiring Harness Repair Instructions, Part 1

1. Use VAS 1978 B to remove the single wire seal of pin 1 on connector T14 on the vehicle end (connector part, part number 5Q0 973 737) (Figure 2).

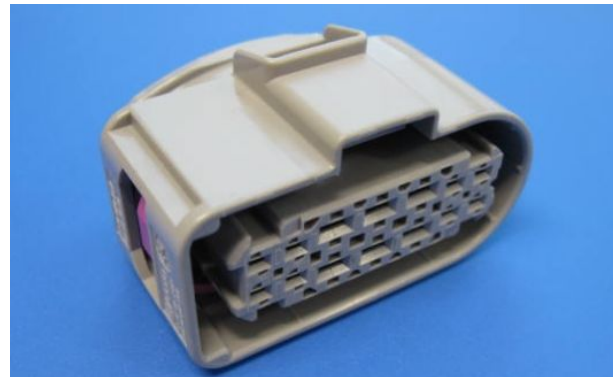


Figure 2. Gray T14 connector

2. Shorten the repair cable with contact 000 979 150 E to 125 mm and push the single wire seal 359 972 740 F onto the shortened cable.
3. Fit the terminal contact in pin 1 of connector T14.
4. Feed the single wire seal 357 972 742 with the VAS 1978

B into chamber 1 of the previously fitted contact (see attached repair instructions).

5. Remove the seal pin out of pin 39 on connector T91 of the engine control unit by following the *Seal Pin Removal Instructions* below.

Seal Pin Removal Instructions

The seal pin will be removed in the same way a seal pin would be removed from a 60-pin connector, as it is the same system as T91 connector.

1. Push the protective cap on the unlocking mechanism out of the connector housing. Next, push the protective cap toward the connector unlocking mechanism in the direction shown (Figure 3) and detach the protective cap from the connector.



Figure 3. Detaching the protective cap.

2. Use VAS 1978/17 or a small screwdriver to remove the secondary lock from the housing (Figure 4).

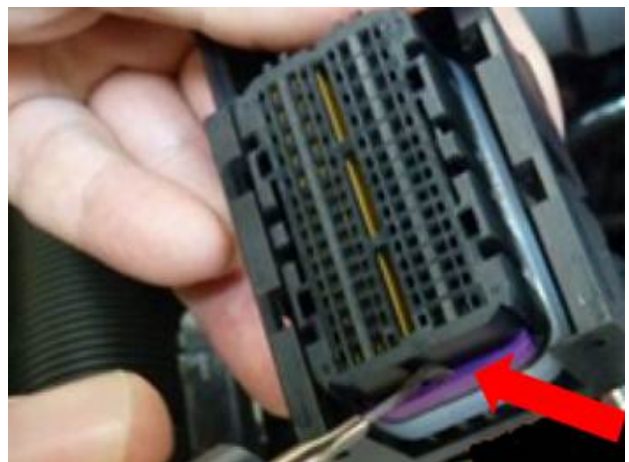


Figure 4. Removing secondary lock.

3. Use VAS 1978/35-2 to remove the seal pin from pin 39 (Figure 5).

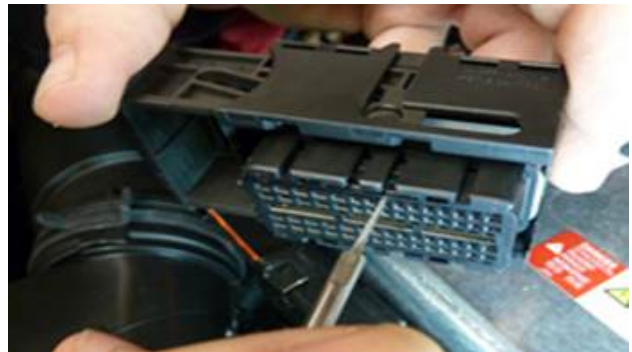


Figure 5. Removing the seal pin.

4. Insert repair wire 000 979 256 E with terminal contact into pin 39 on connector T91, then continue to *Wiring Harness Repair Instructions, Part 2*. The connector contains single wire seals, so no additional single wire seals must be inserted.

Wiring Harness Repair Instructions, Part 2

1. Cut the opposite terminal contact off from the other end of the repair wire 000 979 256 E.
2. Connect both repair wires 000 979 256 E and 000 979 150 E with the crimp connector 000 979 941. (See attached repair instructions.)
3. Wrap textile tape N 105 920 02 around the crimp connector. Wind the repair wire of the connector around the main wiring harness so that the repair wire does not have any tension on the connector.
4. Wrap the complete repair wire in sections with textile tape N 105 920 02 on the main wiring harness.
5. Check and clear DTCs in ECM. Verify that the DTC changes from static to sporadic and can be cleared. Cycle the ignition off and on to ensure that the DTC does not return.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9713		
Damage Code:	0012		
Labor Operations:	If wire was present in connector T91:		
	Engine wiring harness repair	9713 0199	20 TU
	If wire was not present in connector T91:		
	Air filter remove+reinstall	2425 1915	See Elsa
	Battery remove+reinstall	2706 1900	See Elsa
	Battery console remove+reinstall	5084 1999	10 TU
	Wiring harness repair (including check)	9713 4199	60 TU
Diagnostic Time:	If wire was present in connector T91:		
	GFF	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
	If wire was not present in connector T91:		
	GFF	0150 0000	Time stated on diagnostic protocol (Max 50 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
	Claim Comment:	As per TSB #2043894/1	

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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

Part Number	Part Description	Quantity
N 10732701	Wrapping tape (This is a consumable. Accounting under warranty/goodwill is not permitted.)	As needed
000979150E	Repair cable with terminal contact	1
357972742	Single wire seal	1
000979256E	Repair cable	1
000979941	Crimp connectors	1

Additional Information

All parts and service references provided in this TSB (2043894) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.