Technical Service Bulletin

37 Incorrect coding in control module after software update (DTC P1749 stored in TCM)

37 14 36 2037151/1 July 14, 2014.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2013 - 2014	All	4.0TFSI

Condition

- After an SVM update, the following DTC appears in the Transmission Control Module (TCM) J217 (address word 02):
  - **DTC P174900** (Automatic transmission control module incorrect code)
- There are no performance issues, and the MIL is not illuminated. The fault is only noticed when the TCM fault memory is interrogated.

Technical Background

The self-coding function of the TCM may not complete during a software update.

Production Solution

Not applicable.

Service

The coding cannot be changed with Guided Fault Finding or Guided Functions. Use the following ODIS instructions to manually code the TCM with the scan tool.

1. Before proceeding, confirm that DTC P174900 is stored in the TCM. If there is no record of the fault, the warranty claim will not be reimbursed.
2. In the **Control Modules** tab in ODIS, select “Transmission Control Module”.
3. Right-click to select “Transmission Control Module” again, which will open a pop-up menu.

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4. Select “Control module OBD” (Figure 1).

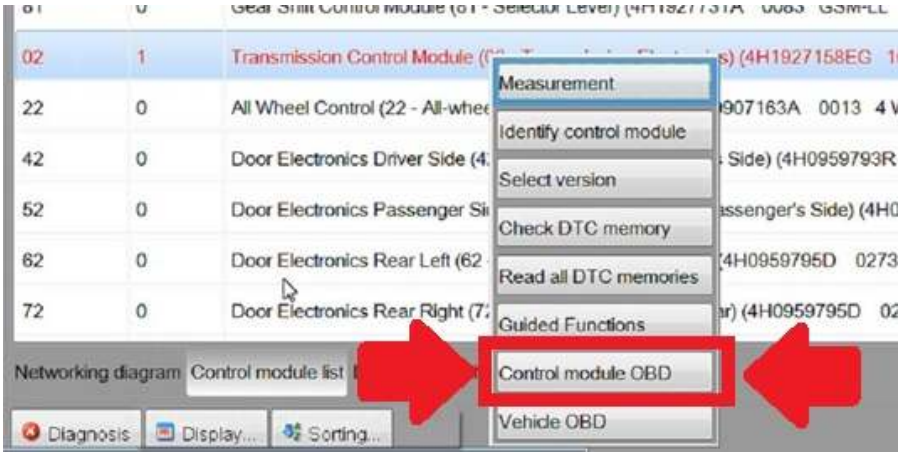


Figure 1. *Selecting “Control module OBD”.*

5. In the **OBD functions** menu (Figure 2), select “Code” then “Perform”.

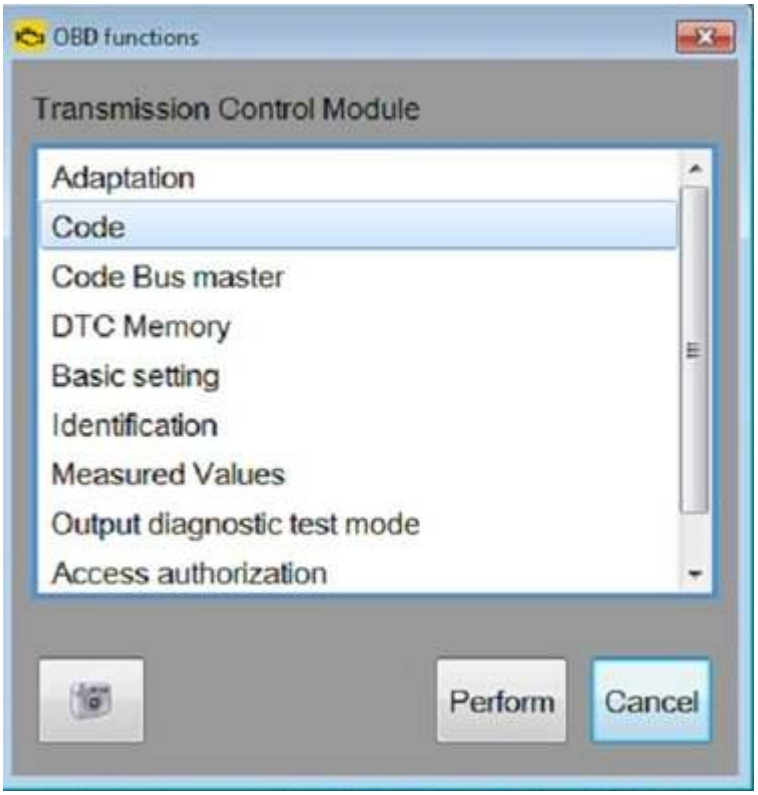


Figure 2. *ODB functions menu*

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6. A message appears with the warning: "The operation to read the date failed." (Figure 3). Select "Ok" to continue.

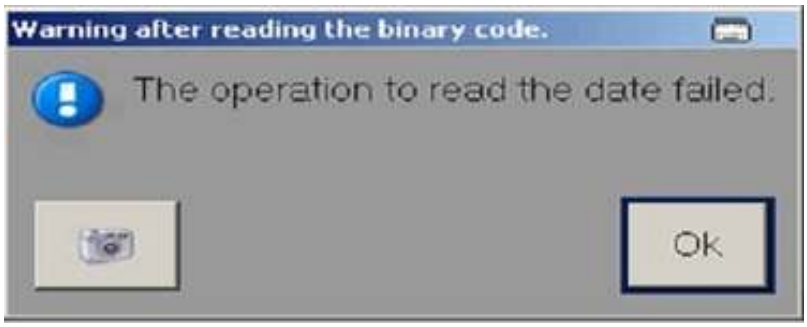


Figure 3. *Warning message*

7. The coding menu will be displayed. Highlight "[LO]_Block 5", then select "Binary coding" (Figure 4).

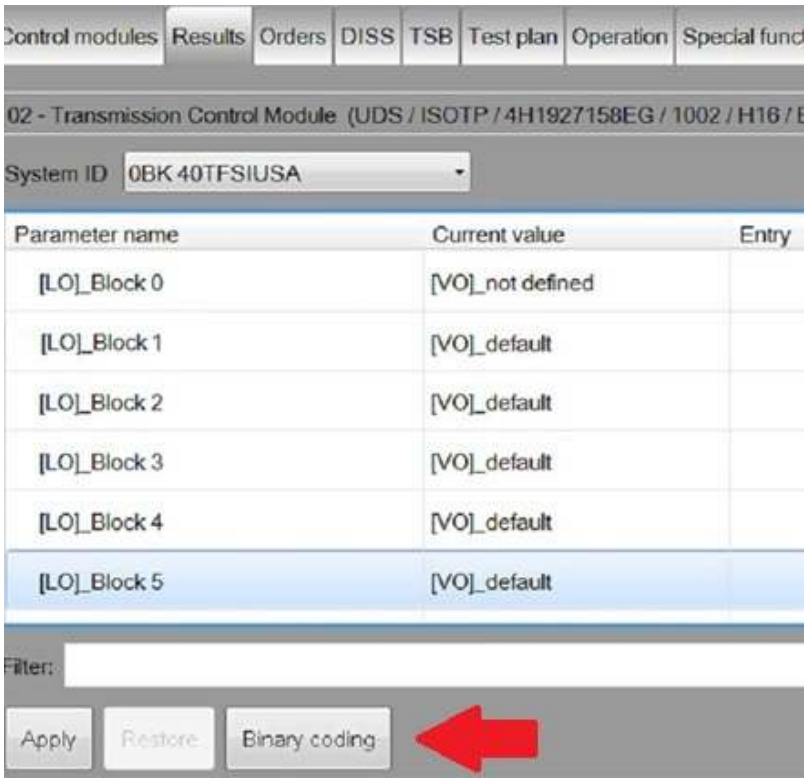


Figure 4. *Coding menu*

8. The binary coding screen appears. Select the row for Byte no. 2 to open the **Binary coding input** pop-up menu (Figure 5).

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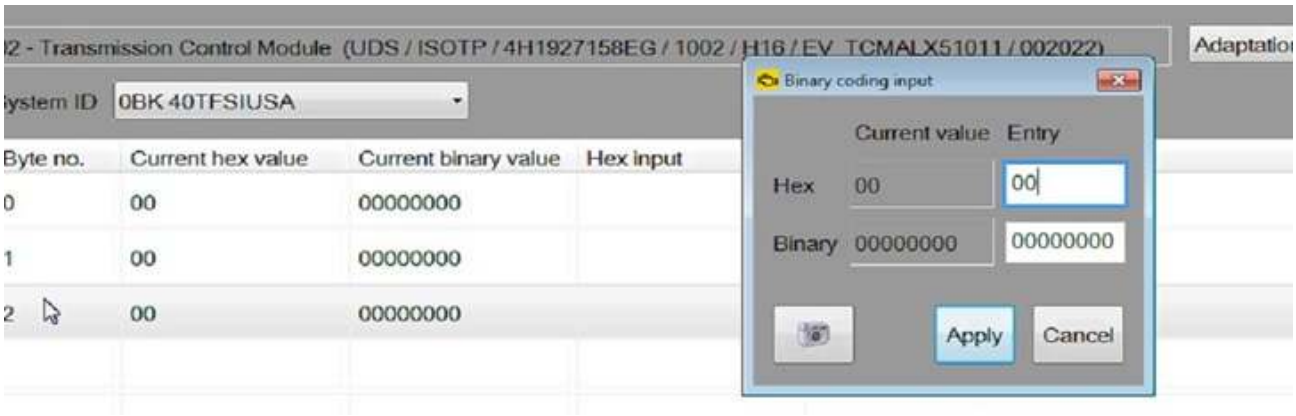


Figure 5. *Binary coding input pop-up menu*

9. In the pop-up menu, enter “01” in the Hex **Entry** field (top-right field), then select “Apply”.

10. The coding menu will now show the changes ready to be made in the row for Byte no. 2 (Figure 6), under “Hex input”. Select “Apply” on the bottom of the screen.

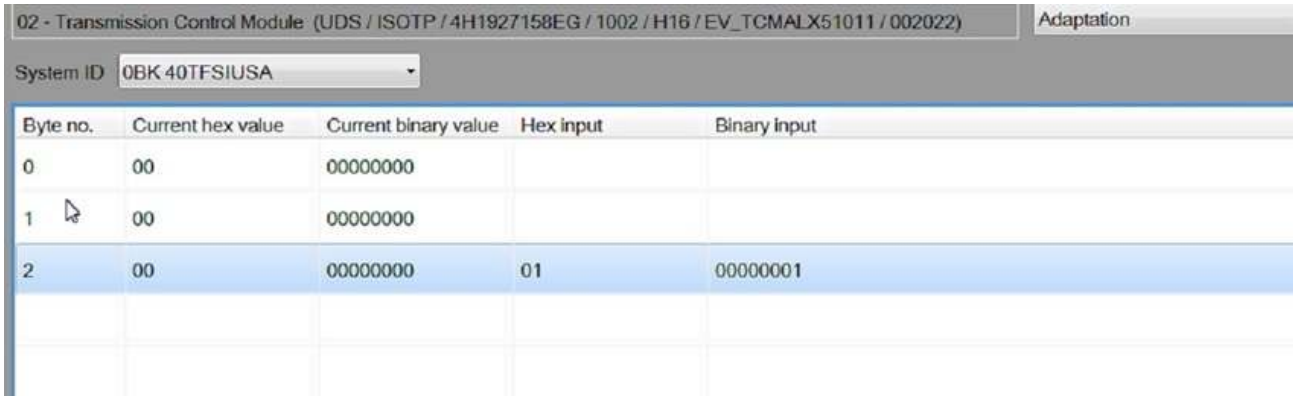


Figure 6. *Coding changes ready to be made*

11. A pop-up menu with the message: “Do you really want to perform the coding?” appears (Figure 7). Select “Yes” to continue.

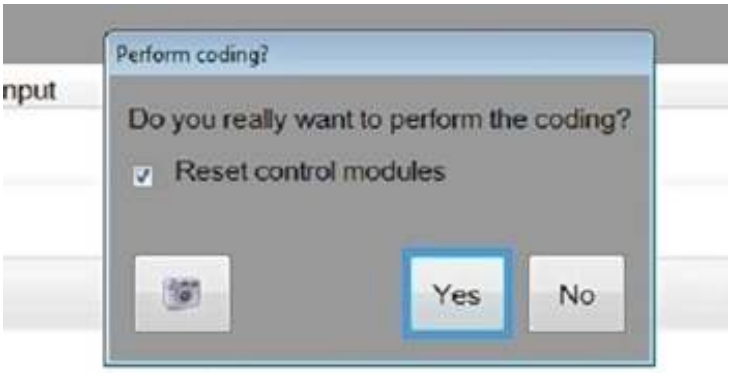


Figure 7. *Coding pop-up screen*

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12. A pop-up menu with the message: “The encoding string could not be checked for errors. Do you want to save anyway?” appears (Figure 8). Select “Yes”.

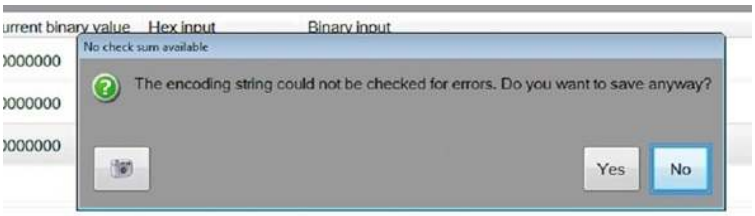


Figure 8. *Error checking pop-up*

13. One or more additional pop-up messages appear. Select “OK” for each message.

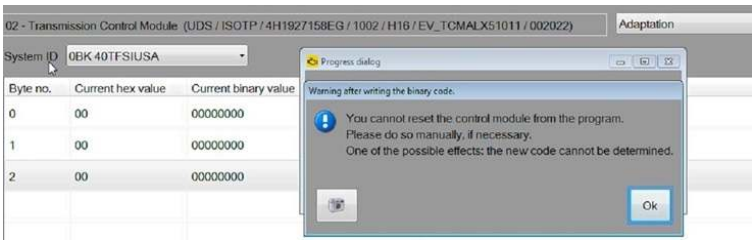


Figure 9. *Pop-up messages*

14. After the pop-up messages have been cleared, the updated coding will be displayed under “Current hex value” (Figure 10).

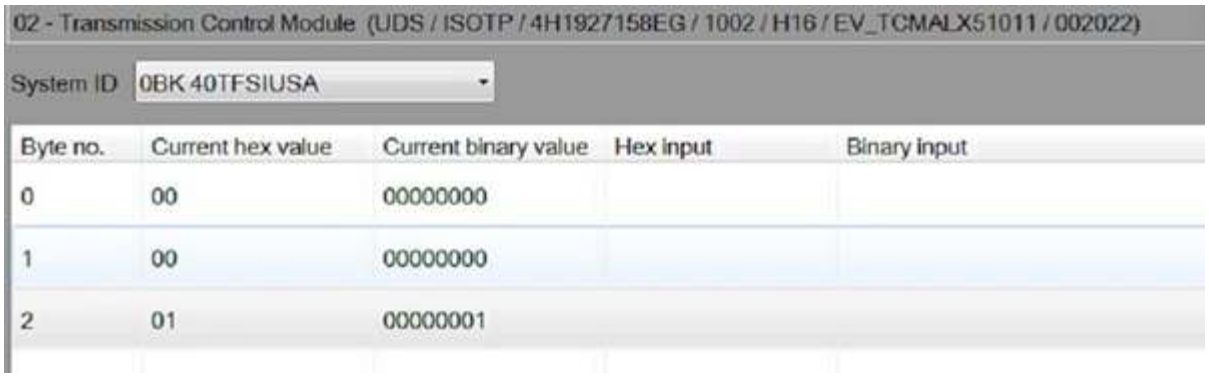


Figure 10. *Updated coding*

15. Clear the P1749 fault from the memory.

16. Perform an SVM specified-actual.

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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:	3730		
Damage Code:	0039		
Labor Operations:	Code the TCM	3730 2599	50 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 40 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 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 #2037151/1		

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.

Additional Information

All parts and service references provided in this TSB (2037151) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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