Transmission Control Module (TCM), coding (scan tool function 07)

Procedure

- Connect VAS5051 tester or V.A.G1551 scan tool and select Transmission Control Module (TCM) using "address word" 02 ⇒ page 01-40.

Ignition must remain switched on.

Indicated on display

Print out control module identification:

- Switch on printer by pressing print button (indicator lamp in button lights up).
- Press buttons -0- and -1-.
- Press -Q- button to confirm input.

Indicated on display

Control module identification is displayed:

Depending on the control module version (software version), the control module may indicate a different identification than shown in this example. For allocation of control module
⇒ Parts catalog
Explanation of display:

- 8D0927156BT: Part number
- AG5 01V: Automatic Transmission, 5-speed 01V
- 2,8l 5V: Engine type
- USA: Market, USA and Canada
- 1416: 14 = software version, 16 = data version
- Coding 00002: Coding (see Coding tables ⇒ page 01-184)
- WSC 00000: Factory identification of V.A.G1551, with the last coding that was performed

- Press → button.

TCM identification can only be printed out when printer is switched on.

Indicated on display
**Note:**

*Read Transmission Control Module (TCM) identification to determine which transmission/engine combination is present in this case, see explanation above. Then use coding table to determine whether the appropriate code was entered.*

- Press buttons -0- and -7-. This selects "Coding Control Module", function 07.
Note:

Coding can only be performed with ignition on and selector lever in position "P" or "N". Accelerator pedal must be in idle position. Vehicle must be stationary and engine must not be started.

Rapid data transfer

Q

07 Code control module

Indicated on display

- Press -Q- button to confirm input.

Code control module

HELP

Input code number XXXXX

Indicated on display

- Enter code

Note:

Find control module identification in coding tables starting on \( \text{page 01-184} \) and enter it into tester. The Dynamic Shifting Program (DSP) should remain on at all times if possible.

- Press -Q- button to confirm input.

Note:

DTC memory in the control module is automatically erased following coding.

- Press \( \rightarrow \) button.
<table>
<thead>
<tr>
<th>Rapid data transfer</th>
<th>HELP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select function XX</td>
<td></td>
</tr>
</tbody>
</table>

- Check TCM version (press buttons -0- and -1-), confirm input with Q button and check coding ⇒ page 01-34.
When indicated on display: An attempt was made to enter a code that is not valid or unrecognized by the control module.

**Note:**

- *If a wrong code was entered, the control module will retain the old code.*

Indicated on display

**Note:**

- *A control module identification that has been wrongly entered is only indicated alongside the old coding for older V.A.G1551 tester cards.*

When indicated on display:

An attempt was made to perform coding in an unauthorized coding condition, e.g. with the vehicle was being driven.
## Coding tables

**For vehicles without E-gas**

<table>
<thead>
<tr>
<th>Code</th>
<th>Transm. Code</th>
<th>Engine</th>
<th>Dynamic Shift Program (DSP)</th>
<th>Market</th>
</tr>
</thead>
<tbody>
<tr>
<td>00000</td>
<td>DDT</td>
<td>All valid engine/transmission combinations without E-gas</td>
<td>DSP active</td>
<td>Rest of world and USA FWD and Quattro</td>
</tr>
<tr>
<td></td>
<td>DKB</td>
<td>This information is in the following repair manuals:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DRD</td>
<td>⇒ <em>Repair Manual, 5 Spd. Automatic Transmission 01V, Repair Group 00, engine codes, engine/transmission allocation, ratios, equipment</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DRN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DTV</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This information is in the following repair manuals:
- *Repair Manual, 5 Spd. Automatic Transmission 01V, Repair Group 00, engine codes, engine/transmission allocation, ratios, equipment*
For vehicles with E-gas

<table>
<thead>
<tr>
<th>Code</th>
<th>Engine</th>
<th>Dynamic Shift Program (DSP)</th>
<th>Market</th>
</tr>
</thead>
<tbody>
<tr>
<td>00000</td>
<td>Not permitted code</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00001</td>
<td>All valid engine/transmission combinations with E-gas</td>
<td>DSP active</td>
<td>Rest of world Quattro</td>
</tr>
<tr>
<td>00002</td>
<td>This information is in the following repair manuals:</td>
<td>DSP active</td>
<td>USA Quattro</td>
</tr>
<tr>
<td>00003</td>
<td>⇒ Repair Manual, 5 Spd. Automatic Transmission 01V, Repair Group 00, engine codes, engine/transmission allocation, ratios, equipment</td>
<td>DSP active</td>
<td>Rest of world FWD</td>
</tr>
<tr>
<td>00004</td>
<td></td>
<td>DSP active</td>
<td>USA FWD</td>
</tr>
</tbody>
</table>