



## Schaeffler Vitesco Service Info



# Automatic transmission control unit (TCU)

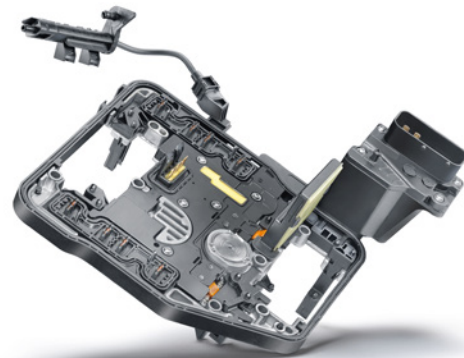
## Instructions for handling and commissioning

Vehicles with automatic transmissions are very popular, are widely available in the market and have excellent repair potential due to their long construction period. For this reason, the range of existing repair solutions from Schaeffler Vehicle Lifetime Solutions is now being expanded to include a selection of vehicle-specific transmission control units, also known as TCUs.

The replacement of a TCU is **not** a plug-and-play solution – it is equivalent to the replacement of other system-relevant control units in terms of workflow. This means that data must first be read out and buffered before it is transferred to the new TCU once it has been replaced. In most cases, this includes a software configuration, the activation of component protection and integration into the vehicle system. These tasks are technically demanding so TCUs should only be replaced and adjusted by trained and qualified personnel.

The following equipment is required to teach-in and activate new TCUs:

- Internet connection with a data transfer rate of at least 100 Mbps
- Network connection to the diagnostic tool via a LAN cable
- Vehicle diagnostic tool with Internet access and connection to the required vehicle manufacturer systems (PassThru interface for programming control units in accordance with Euro 5 regulations)
- Device for battery charging maintenance



vitesco  
TECHNOLOGIES

Figure 1: Transmission control unit (TCU)

The individual programs, and therefore the teach-in process, tend to vary depending on the manufacturer of the diagnostic device. For this reason, the following steps are only intended to provide a summary of the most important points.

1. Connect the battery maintenance device to the charging contacts of the vehicle.
2. Connect the diagnostic tool to the vehicle.
3. In the diagnostic tool menu, select the automatic transmission control unit and start the menu item “Replace control unit”.
4. Follow the instructions on the diagnostic tool.

### Important:

TCUs cannot be exchanged once the packaging has been opened.

Please observe the vehicle manufacturer specifications!

**You want more? We can help!**

Phone: +44 (0) 1432 264 264

Fax: +44 (0) 1432 375 760

aftermarket.uk@schaeffler.com

www.repexpert.co.uk

SCHAEFFLER  
**REP>XPERT**