



VOLKSWAGEN NEW BEETLE FAILSAFE DTC 01045 (TIPTRONIC SWITCH) STORED

COMPLAINT: A 2003 or later Volkswagen New Beetle with the six speed 09G automatic transmission enters the shop in failsafe. Code retrieval reveals code DTC 01045 stored in memory.

CAUSE: One cause may be a faulty Tiptronic Switch F-189. The Tiptronic Switch F-189 is an integral part of the shifter assembly that allows the vehicle driver to manually up-shift and down-shift through all six forward speeds of the transmission.

The quickest way to diagnose this problem is to first take a look at the shifter. Refer to the diagram of the shifter assembly in Figure 1. There is a black flexible plastic alignment guide that serves as a locator for the Tiptronic Switch. If the plastic guide is missing or damaged the shifter assembly will need replacement. If the plastic guide appears to be in good shape further electrical diagnosis of DTC 01045 Tiptronic Switch F-189 requires the use of scan tool software such as VAG-COM or other capable hand-held scan tool.

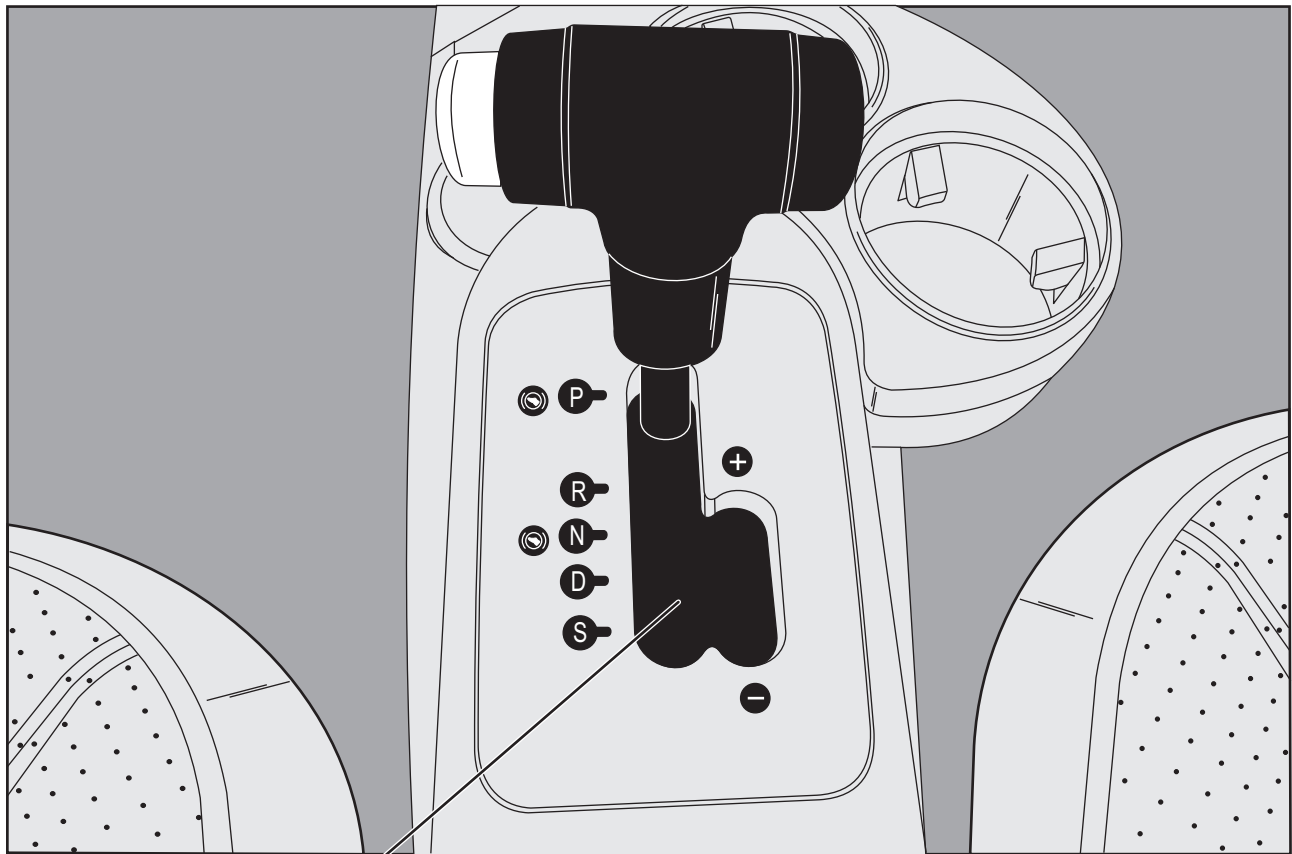
Refer to the diagram in Figure 2. The diagram depicts an image using VAG-COM software. It will be necessary to navigate to Control Module 2 Auto Trans, Group 8, Data Blocks 12, and 13. Move the shifter through its gear selections including Tiptronic Mode using the tip up and tip down function while monitoring data on scan tool. If abnormality is found in switch function, shifter assembly must be replaced.

CORRECTION: If Tiptronic Switch replacement is determined, a new shifter assembly must be purchased from the dealer. Refer to Figure 3 for the parts that will need to be replaced.

Note: Parts listed in Figure 3 are sold as an assembly and must be ordered from the dealer using VIN number for appropriate trim package for the vehicle.

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TIPTRONIC SHIFTER ASSEMBLY



**TIPTRONIC SWITCH
ALIGNMENT GUIDE**

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Figure 1



Technical Service Information

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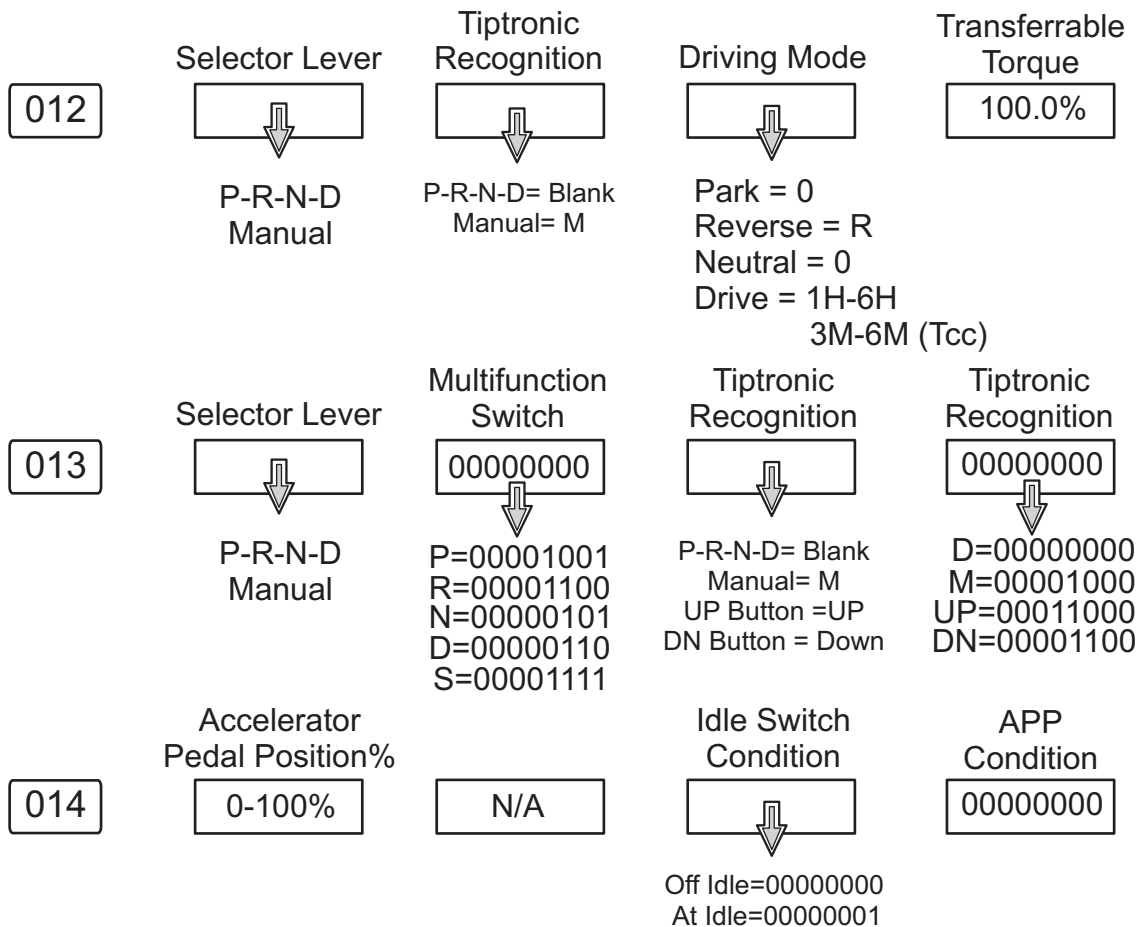
TYPICAL VAG-COM SCREEN

CONTROL MODULE SELECTION

02 Auto Trans

GROUP SELECTION

08 Measured
Blocks

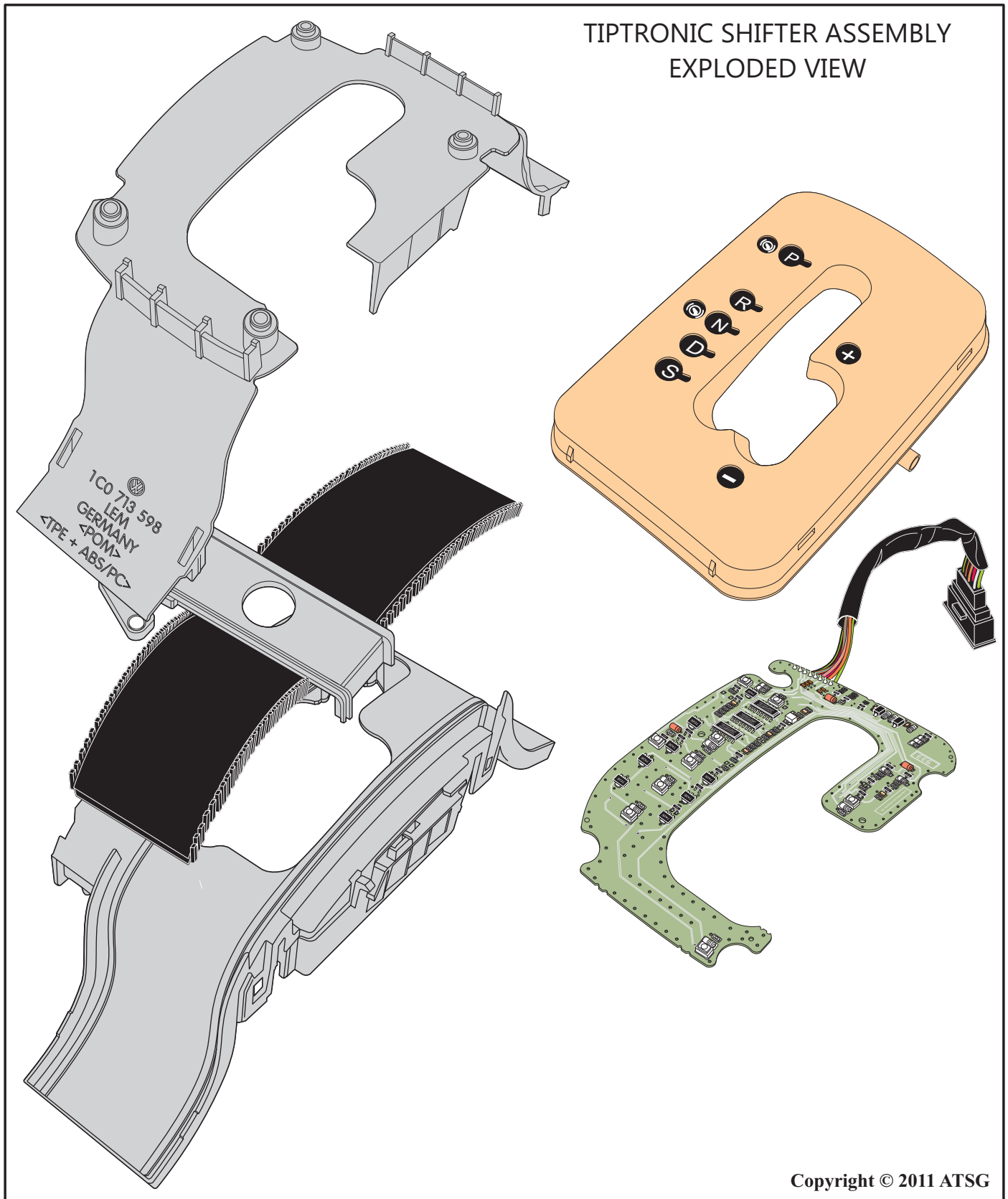


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Figure 2

VOLKSWAGEN NEW BEETLE FAILSAFE DTC 01045 (TIPTRONIC SWITCH) STORED

TIPTRONIC SHIFTER ASSEMBLY
EXPLODED VIEW



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Figure 3