



# Technical Service Information

## AUDI 01J ENGAGEMENT ISSUES

**COMPLAINT #1:** No reverse with VAG Code 17090 stored for a Multi-Function Switch Implausible Signal.

**NOTE:** The *Multifunction Transmission Range Sensor* has four Hall Effect Sensors which are controlled by a magnetic gate located in the rooster comb area of the selector shaft. The signals from the sensors are interpreted in the same way as the positions of mechanical switches either open or closed. With 4 sensors, 16 total open and closed combinations can be obtained. 6 combinations are used to inform the TCM of a Park, Reverse, Neutral and Drive manual valve selection as well as intermediate movement positions from Park to Reverse and a Reverse to Neutral to Drive movement. The other 10 possible combinations are reserved as being faulty.

**COMPLAINT #2:** A delayed engagement or shudder into drive.

**CAUSE #1:** The Transmission Control Module is faulty.

**CAUSE #2:** A valve body problem.

**CORRECTION #1:** Replace the Transmission Control Module, Refer to Figure 1.

**CORRECTION #2:** Replace the valve body.

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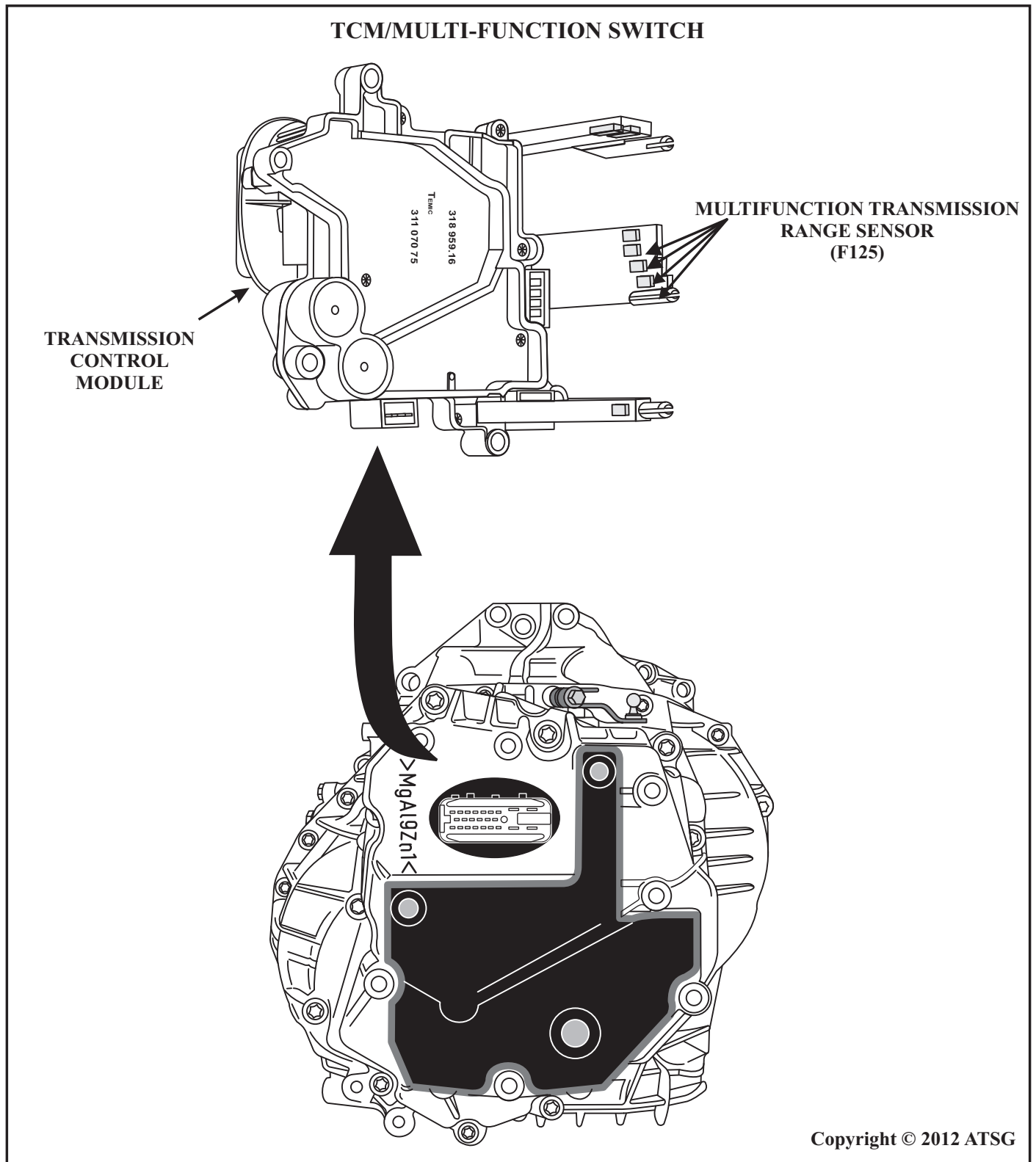


Figure 1