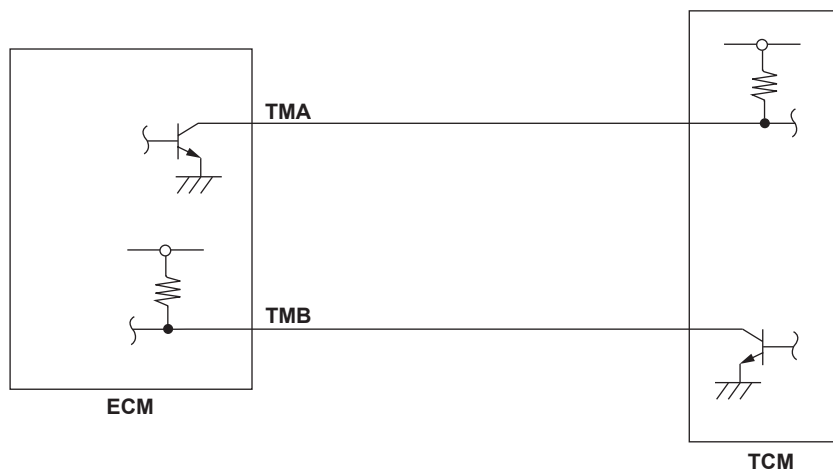


# Advanced Diagnostics

## DTC P1655: A/T FI Signal A/B Circuit Malfunction (CVT)



P1655-9601

### General Description

The engine control module (ECM) sends various signals to the transmission control module (TCM) via the TMA signal line. The TCM sends signals used for engine control to the ECM via the TMB signal line. If no signals to or from the ECM are input or output for a set time, a malfunction is detected and a DTC is stored.

### Monitor Execution, Sequence, Duration, DTC Type

|           |                         |
|-----------|-------------------------|
| Execution | Continuous              |
| Sequence  | None                    |
| Duration  | 5 seconds or more       |
| DTC Type  | One drive cycle, MIL ON |

### Enable Conditions

| Condition       | Minimum      | Maximum |
|-----------------|--------------|---------|
| Battery voltage | 10.05 V      | —       |
| No active DTCs  | AT-FI signal |         |

### Malfunction Threshold

No communication signals from the TCM are detected for at least 5 seconds.

## **Diagnosis Details**

### **Conditions for illuminating the MIL**

When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the ECM memory.

### **Conditions for clearing the MIL**

The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs. The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.