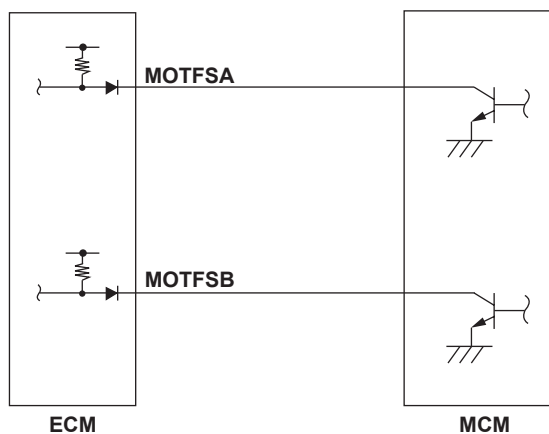


# Advanced Diagnostics

## DTC P1600: IMA System Malfunction



P1600-0601

### General Description

This DTC is used to determine if a malfunction is on the engine side or the IMA side when checking with the HDS. When a device on the IMA side malfunctions, the motor control module (MCM) signals the engine control module (ECM) to turn on the MIL. If the ECM receives a signal from the MCM to turn on the MIL, the MIL is turned on and a DTC is stored.

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

Execution	Continuous
Sequence	None
Duration	—
DTC Type	One drive cycle, MIL ON

### Enable Conditions

Condition	Minimum	Maximum
Battery voltage	10.05 V	—
Ignition switch	ON	—
No active DTCs	IMA System	—

### Malfunction Threshold

It depends on the "Enable Conditions" on IMA side.

## **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.