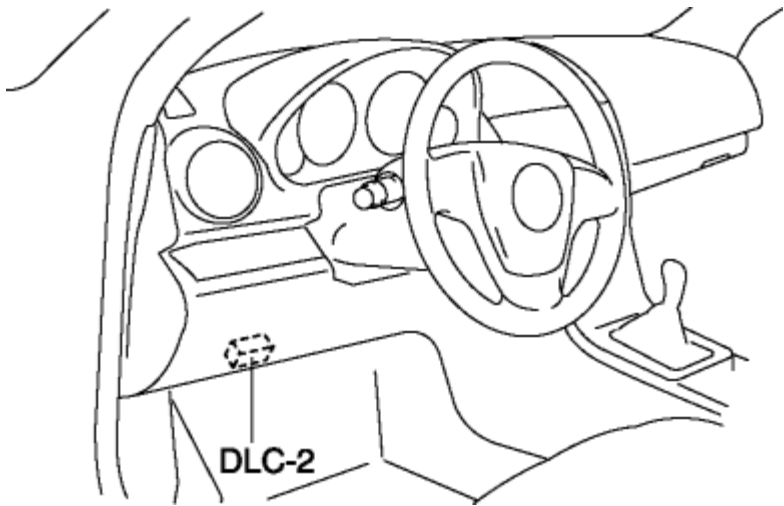


2012 - Mazda6 - Transmission/ Transaxle

ON-BOARD DIAGNOSTIC SYSTEM SIMULATION INSPECTION [AY6A-EL]

1. Connect the M-MDS(IDS) to the DLC-2.



2. After the vehicle is identified, select the following items from the initialization screen of the IDS.
- a. Select "DataLogger".
 - b. Select "Modules".
 - c. Select "TCM".
3. Select the simulation items from the PID table.
4. Perform the active command modes function, inspect the operations for each parts.
- If the operation of output parts cannot be verified after the active command mode inspection is performed, this could indicate the possibility of an open or short circuit, sticking, or operation malfunction in the output parts.

Simulation item table

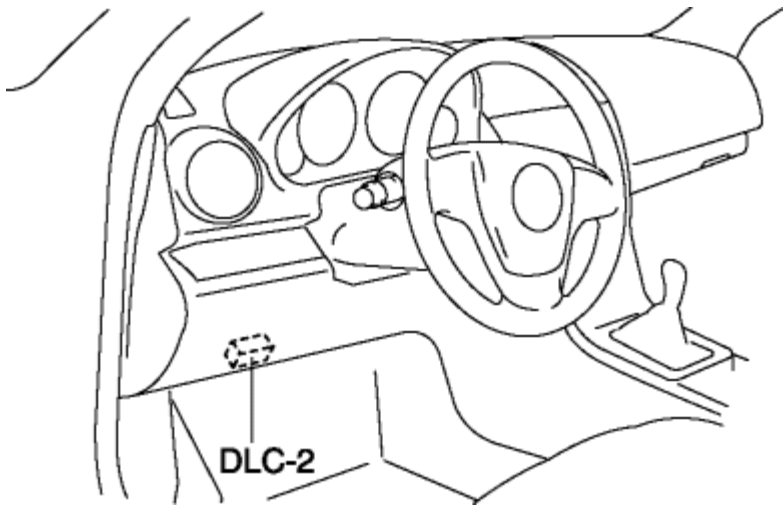
Item	Related to	Unit/Condition	Test condition
LPS	Pressure control solenoid	A	Ignition ON or idling (P or N position)
SSA	Shift solenoid A	On/Off	Ignition ON or idling (P or N position)
SSB	Shift solenoid B	On/Off	Ignition ON or idling (P or N position)
SSC	Shift solenoid C	A	Ignition ON or idling (P or N position)

SSD	Shift solenoid D	A	Ignition ON or idling (P or N position)
SSE	Shift solenoid E	A	Ignition ON or idling (P or N position)
SSF	Shift solenoid F	A	Ignition ON or idling (P or N position)
TCCCTCC	TCC control solenoid	A	Ignition ON or idling (P or N position)

2012 - Mazda6 - Transmission/ Transaxle

ON-BOARD DIAGNOSTIC SYSTEM SIMULATION INSPECTION [AY6A-EL]

1. Connect the M-MDS(IDS) to the DLC-2.



2. After the vehicle is identified, select the following items from the initialization screen of the IDS.
- a. Select "DataLogger".
 - b. Select "Modules".
 - c. Select "TCM".
3. Select the simulation items from the PID table.
4. Perform the active command modes function, inspect the operations for each parts.
- If the operation of output parts cannot be verified after the active command mode inspection is performed, this could indicate the possibility of an open or short circuit, sticking, or operation malfunction in the output parts.

Simulation item table

Item	Related to	Unit/Condition	Test condition
LPS	Pressure control solenoid	A	Ignition ON or idling (P or N position)
SSA	Shift solenoid A	On/Off	Ignition ON or idling (P or N position)
SSB	Shift solenoid B	On/Off	Ignition ON or idling (P or N position)
SSC	Shift solenoid C	A	Ignition ON or idling (P or N position)

SSD	Shift solenoid D	A	Ignition ON or idling (P or N position)
SSE	Shift solenoid E	A	Ignition ON or idling (P or N position)
SSF	Shift solenoid F	A	Ignition ON or idling (P or N position)
TCCCTCC	TCC control solenoid	A	Ignition ON or idling (P or N position)