ON-BOARD DIAGNOSTIC SYSTEM SIMULATION INSPECTION [FW6A-EL, FW6AX-EL]

id050227290400

1. Connect the M-MDS to the DLC-2.
2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.
   (1) Select “Data Logger”.
   (2) Select “Modules”.
   (3) Select “TCM”.
3. Select the simulation items from the PID table.
4. Perform the active command modes function, inspect the operations for each part.
   - 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	Description	Unit/Condition	Operation condition
EOP	Electric AT oil pump condition	Off/On	Under the following conditions: • Vehicle stopped • Accelerator pedal fully closed
EOP_DUTY	Electric AT oil pump duty cycle	%	Under the following conditions: • Vehicle stopped • Accelerator pedal fully closed
EOP_RLY	Electric AT oil pump relay condition	Off/On	Under the following conditions: • Vehicle stopped • Accelerator pedal fully closed
SS_ON-OFF	On/off solenoid condition	Off/On	Under the following conditions: • Vehicle stopped • Idling at P or N position
SS1_C	Shift solenoid No.1 target current	A	Under the following conditions: • Vehicle stopped • Idling at P or N position
SS2_C	Shift solenoid No.2 target current	A	Under the following conditions: • Vehicle stopped • Idling at P or N position
SS3_C	Shift solenoid No.3 target current	A	Under the following conditions: • Vehicle stopped • Idling at P or N position
SS4_C	Shift solenoid No.4 target current	A	Under the following conditions: • Vehicle stopped • Idling at P or N position
SSLU_C	TCC control solenoid target current	A	Under the following conditions: • ATF temperature (PID: TFT) is 20 °C {68 °F} or more. • Output shaft speed (PID: OSS) is 10 rpm or more. • Turbine/input shaft speed (PID: TSS) is 1,000 rpm or more. • Brake pedal released
SSP_C	Pressure control solenoid target current	A	Idling at P or N position