

# PID/DATA MONITOR INSPECTION [FN4A-EL]

B3E050219090W37

1. Connect the WDS or equivalent to the DLC-2.
2. Measure the PID value.

## Note

- Perform part inspection for the output device after PCM inspection.
- The PID/DATA MONITOR function monitors the calculated value of the input/output signals in the PCM. Therefore, if a monitored value of an output device is out of specification, it is necessary to inspect the monitored value of the input device related to the output device control. Since an output device malfunction is not directly indicated as a malfunction of the monitored value for the output device, it is necessary to inspect the output device individually using methods such as the simulation function.

**PID/DATA MONITOR AND RECORD function table**

Monitor item (Definition)	Unit/Condition		Condition/Specification	Action	PCM terminal	
					Z6	LF
DWN SW (Down switch)	ON/OFF		<ul style="list-style-type: none"> <li>• M range, downshift: ON</li> <li>• Other: OFF</li> </ul>	Inspect the selector lever component. (See <a href="#">SELECTOR LEVER COMPONENT INSPECTION.</a> )	1AB	1P
GEAR	-		1GR: 1 2GR: 2 3GR: 3 4GR: 4	Inspect the following PIDs: SSA/SS1, SSB/SS2, SSC/SS3	N/A	
LINEDES	kPa	inHg	Indicates target line pressure	Inspect the following PIDs: TFT, TFTV, TP, TR, TROD, TSS, VPWR, VSS	N/A	
LPS (Pressure control solenoid)	%		Change current value according to throttle opening angle	Inspect the pressure control solenoid. (See <a href="#">SOLENOID VALVE INSPECTION.</a> )	1AV, 1AF	1H, 1G
MNL SW (M range switch)	ON/OFF		M range: ON Other: OFF	Inspect the selector lever component. (See <a href="#">SELECTOR LEVER COMPONENT INSPECTION.</a> )	1AQ	1O
OSS (Output shaft speed)	km/h	mph	Indicates output shaft speed	Inspect the VSS. (See <a href="#">VEHICLE SPEED SENSOR (VSS) INSPECTION.</a> )	1AY	1J
SSA/SS1 (Shift solenoid A)	%		4GR: <b>99%</b> others: <b>0%</b>	Inspect the shift solenoid A. (See <a href="#">SOLENOID VALVE INSPECTION.</a> )	1AZ	1B
SSB/SS2 (Shift solenoid B)	%		1GR at D range: <b>99%</b> Others: <b>0%</b>	Inspect the shift solenoid B. (See <a href="#">SOLENOID VALVE INSPECTION.</a> )	1BH	1C

SSC/SS3 (Shift solenoid C)	%		1GR/2GR: <b>99%</b> Others: <b>0%</b>	Inspect the shift solenoid C. (See <a href="#">SOLENOID VALVE INSPECTION.</a> )	1BD	1D
TFT (Transaxle fluid temperature)	°C	°F	Indicates transaxle fluid temperature	Inspect the TFT sensor. (See <a href="#">TRANSAXLE FLUID TEMPERATURE (TFT) SENSOR INSPECTION.</a> )	1AU	1U
TFTV (Transaxle fluid signal voltage)	V		ATF 20 °C {68 °F}: <b>3.4-3.6 V</b> ATF 130 °C {266 °F}: <b>0.4-0.5 V</b>	Inspect the TFT sensor. (See <a href="#">TRANSAXLE FLUID TEMPERATURE (TFT) SENSOR INSPECTION.</a> )	1AU	1U
TP (Throttle position sensor)	%		CTP: <b>12%</b> WOT: <b>75%</b>	Inspect the TP sensor. (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [ZJ, Z6].</a> ) (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [LF].</a> )	2AA	
	V		CTP: <b>0.3-1.0 V</b> WOT: <b>3.1-4.5 V</b>	Inspect the TP sensor. (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [ZJ, Z6].</a> ) (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [LF].</a> )	2AA	2I
TPCT (Lowest closed throttle position)	V		CTP: <b>0.3-1.0 V</b> WOT: <b>3.1-4.5 V</b>	Inspect the TP sensor. (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [ZJ, Z6].</a> ) (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [LF].</a> )	2AA	2I
TP REL (Relative throttle position)	%		CTP: <b>0%</b> WOT: <b>100%</b>	Inspect the TP sensor. (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [ZJ, Z6].</a> ) (See <a href="#">THROTTLE POSITION (TP) SENSOR INSPECTION [LF].</a> )	2AA	2I
TR (Transaxle range)	-		P position: P R position: R N position: N D range: D	Inspect the TR switch. (See <a href="#">TRANSAXLE RANGE (TR) SWITCH INSPECTION.</a> )	1X	1X
TR SENS (TR switch)	V		P position: <b>4.34-4.79 V</b> R position: <b>3.83-4.18 V</b> N position: <b>3.05-3.50 V</b> D range: <b>2.23-2.66 V</b>	Inspect the TR switch. (See <a href="#">TRANSAXLE RANGE (TR) SWITCH INSPECTION.</a> )	1X	1S
TSS (Input/turbine speed)	rpm		Ignition switch ON: <b>0 rpm</b> Idle: <b>700-800 rpm</b> (P, N position) Indicates Input/turbine speed	Inspect the input/turbine speed sensor. (See <a href="#">INPUT/TURBINE SPEED SENSOR INSPECTION.</a> )	1O, 1K	1M, 1Q
UP SW (Up switch)	ON/OFF		• M range, upshift: ON • Other: OFF	Inspect the selector lever component. (See <a href="#">SELECTOR LEVER COMPONENT INSPECTION.</a> )	1P	1K
VPWR				Inspect the main relay. (See <a href="#">RELAY</a>	1AX,	1A,

(Battery positive voltage)	V		Ignition switch ON: <b>B+</b> Engine running: <b>B+</b>	<a href="#">INSPECTION.</a> ) Inspect the battery. (See <a href="#">BATTERY INSPECTION.</a> )	1BB, 1BG, 1BF	1BA, 1BE
VSS (Vehicle speed)	km/h	mph	Indicates vehicle speed	Inspect the ABS HU/CM. (See <a href="#">ABS HU/CM INSPECTION.</a> ) Inspect the DSC HU/CM. (See <a href="#">DSC HU/CM INSPECTION.</a> )	1S, 1W	1AI, 1AM