

DTC	P0A1D/180	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/181	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/182	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/183	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/184	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/185	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/186	HYBRID POWERTRAIN CONTROL MODULE

CIRCUIT DESCRIPTION

The HV control ECU performs self-checks to detect an internal operating malfunction in the ECU.

DTC No.	INF Code	DTC Detection Condition	Trouble Area
P0A1D	180	HV control ECU internal error	• HV control ECU
	181		
	182		
	183		
	184		
	185		
	186		

MONITOR DESCRIPTION

The HV control ECU performs diagnostic monitoring to verify proper operation of internal and external ECU systems. In this diagnostics monitor, the HV control ECU monitors the output of the rotation angle CPU. If the HV control ECU detects an error in the rotation angle CPU, it will conclude that there is an internal malfunction in the HV control ECU. The HV control ECU will illuminate the MIL and set a DTC.

MONITOR STRATEGY

Related DTCs	P0A1D (INF 180/181/182/183/184/185/186): Hybrid vehicle control ECU/Rotation angle monitor CPU malfunction
Required sensor/components	Hybrid vehicle control ECU
Frequency of operation	Continuous
Duration	TOYOTA's intellectual property
MIL operation	Immediately
Sequence of operation	None

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	TOYOTA's intellectual property
Other conditions belong to TOYOTA's intellectual property	–

TYPICAL MALFUNCTION THRESHOLDS

Hybrid vehicle control ECU	Internal error
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2004 Prius – Preliminary Release (RM1075U)

COMPONENT OPERATING RANGE

Hybrid vehicle control ECU	DTC P0A1D (INF 180/181/182/183/184/185/186) is not detected
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INSPECTION PROCEDURE

If any of the above information (INF) codes is present, replace the HV control ECU.

REPLACE HYBRID VEHICLE CONTROL ECU (See page 21-124)
