

DTC	P0A1D/150	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/151	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/152	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/155	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/156	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/158	HYBRID POWERTRAIN CONTROL MODULE
DTC	P0A1D/564	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	150	HV control ECU internal error	• HV control ECU
	151		
	152		
	155		
	156		
	158		
	564		

MONITOR DESCRIPTION

The HV control ECU performs many diagnostic tests to verify proper operation of internal and external ECU systems. In one of these diagnostics, the HV control ECU checks the result of the generator CPU self-test. If the HV control ECU detects a "Fail" from the generator CPU self-test, it will conclude that there is an internal malfunction in the generator CPU. The HV control ECU will illuminate the MIL and set a DTC.

MONITOR STRATEGY

Related DTCs	P0A1D (INF 150/151/152/155/156/158/564): Hybrid vehicle control ECU/Generator 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 150/151/152/155/156/158/564) 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)
