DTC P0A92/261 HYBRID GENERATOR PERFORMANCE

CIRCUIT DESCRIPTION

See the description of the MG1/MG2 on page 05–671.

DTC No.	INF Code	DTC Detection Condition	Trouble Area
P0A92	261	MG1 magnetic force deterioration or same phase short circuit	• Hybrid vehicle generator

MONITOR DESCRIPTION

The HV control ECU monitors the hybrid vehicle generator (MG1). If the HV control ECU detects a reduction in the magnetic force of the MG1 or an in–phase short, it interprets this as a MG1 failure. The HV control ECU then illuminates the MIL and sets a DTC.

MONITOR STRATEGY

Related DTCs	P0A92 (INF 261): Hybrid vehicle generator/Magnetic force deterioration, same phase short circuit
Required sensor/components	Hybrid vehicle generator, inverter, generator resolver
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 generator	Abnormal

COMPONENT OPERATING RANGE

Hybrid vehicle generator	DTC P0A92 (INF 261) is not detected

INSPECTION PROCEDURE

1	READ OUTPUT DTC(HV ECU)

(a) Connect the hand–held tester to the DLC3.
(b) Turn the power switch ON (IG).
(c) Turn the hand–held tester ON.
(d) On the hand–held tester, enter the following menus: DIAGNOSIS / ENHANCED OBD II / HV ECU / DTC INFO / TROUBLE CODES.
(e) Read DTCs.
Result: DTC P0A92 (INF 261) and other DTCs are output

HINT:
If any other codes besides P0A92 (INF 261) are output, perform troubleshooting for those DTCs first.

YES	GO TO RELEVANT DTC CHART (See page 05–440)

NO

REPLACE HYBRID VEHICLE GENERATOR ASSY