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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HYBRID BATTERY SYSTEM (for M20A-FXS): P0A9563; High Voltage Fuse Accumulated Load History; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	P0A9563	High Voltage Fuse Accumulated Load History
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DESCRIPTION

The battery ECU assembly estimates the thermal load of the high voltage fuse. If the accumulated thermal load exceeds the threshold, the battery ECU assembly will store this DTC.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
P0A9563	High Voltage Fuse Accumulated Load History	Accumulated thermal load of the high voltage fuse estimated by the battery ECU assembly exceeds the threshold. (1 trip detection logic)	No. 1 traction battery device box	Does not come on	Master Warning: Does not come on	HV Battery	A	SAE Code: P0A95

CONFIRMATION DRIVING PATTERN

HINT:

After repair has been completed, clear the DTC and then check that the vehicle has returned to normal by performing the following All Readiness check procedure.

Click here [INFO](#)

1. Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
2. Turn the ignition switch off and wait for 2 minutes or more.
3. With ignition switch ON and wait for 5 seconds or more.
4. Enter the following menus: Powertrain / HV Battery / Utility / All Readiness.
5. Check the DTC judgment result.

HINT:

- If the judgment result shows NORMAL, the system is normal.
- If the judgment result shows ABNORMAL, the system has a malfunction.
- If the judgment result shows INCOMPLETE, perform driving pattern again.

CAUTION / NOTICE / HINT

HINT:

If the No. 1 traction battery device box has been replaced, make sure to perform "High Voltage Fuse Accumulated Load History Reset" and then clear the DTCs.

PROCEDURE

1. REPLACE NO.1 TRACTION BATTERY DEVICE BOX**HINT:**[Click here](#) **INFO****NEXT****2. PERFORM UTILITY (HIGH VOLTAGE FUSE ACCUMULATED LOAD HISTORY RESET)****HINT:**[Click here](#) **INFO****NEXT****3. CLEAR DTC (HV BATTERY)**

Pre-procedure1

(a) None

Procedure1

(b) Clear the DTCs and freeze frame data.

Powertrain > HV Battery > Clear DTCs

Post-procedure1

(c) Turn the ignition switch off.

NEXT **END**