12/16/24, 6:44 PM

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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): P31B549; Hybrid/EV Battery					
Internal Electronic Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]					

DTC	P31B549	Hybrid/EV Battery Internal Electronic Failure
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## **DESCRIPTION**

The battery ECU assembly monitors its internal operation and will store these DTCs when it detects an internal malfunction.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT	PRIORITY	NOTE
						FROM		
II	Hybrid/EV Battery Internal Electronic Failure	l(excessive discharging	Hybrid	Does not come on	Master Warning: Comes on	HV Battery	A	SAE Code: P31B5

# **CONFIRMATION DRIVING PATTERN**

#### HINT:

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

Click here NFO

- 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. Drive the vehicle on urban roads for approximately 10 minutes.
- 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.

# **PROCEDURE**

1. CHECK DTC OUTPUT (HV BATTERY, HYBRID CONTROL)

Pre-procedure1

(a) None

Procedure1

(b) Check for DTCs.

### Powertrain > HV Battery > Trouble Codes Powertrain > Hybrid Control > Trouble Codes

RESULT	PROCEED TO	
"P31B549" only is output.	А	
DTCs except "P31B549" of hybrid battery system are output.	В	
DTCs except "P31B549" of hybrid control system are output.	С	

Post-procedure1

(c) Turn the ignition switch off.









