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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> HYBRID / BATTERY CONTROL: HYBRID CONTROL SYSTEM (for M20A-FXS): C134800; Different Diameter Tire; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>C134800</b>	<b>Different Diameter Tire</b>
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## DESCRIPTION

If the hybrid vehicle control ECU receives a signal from the skid control ECU that the AWD system is malfunctioning, the hybrid vehicle control ECU outputs this DTC.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
C134800	Different Diameter Tire	The vehicle is being driven in a straight line at a constant speed of 30 km/h (19 mph) or more, and the wheel speeds differ between front and rear significantly.  (1 trip detection logic)	<ul style="list-style-type: none"> <li>Tire and wheel size</li> <li>Tire pressure</li> <li>Speed sensor circuit</li> <li>Hybrid vehicle control ECU</li> </ul>	Does not come on	Master Warning: Does not come on	Hybrid Control	A	SAE Code: C1348

## PROCEDURE

<b>1.</b>	<b>CHECK TIRES</b>
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Pre-procedure1

(a) Check the tire sizes to ensure that the front and rear tire sizes are not different.

Click here [INFO](#)

### **HINT:**

If different tire sizes are discovered, replace the tires so that the tire sizes are the same on all 4 wheels.

Procedure1

(b) Adjust the air pressure in the tires.

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Post-procedure1

(c) None.

**NEXT****2. CLEAR DTC**

(a) Clear the DTCs.

**Powertrain > Hybrid Control > Clear DTCs**

**NEXT****3. CHECK DTC OUTPUT (HYBRID CONTROL)**

Pre-procedure1

(a) Drive the vehicle at a speed of 30 km/h (19 mph) or more.

Procedure1

(b) Check if the same DTC is output.

**Powertrain > Hybrid Control > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

Post-procedure1

(c) None.

**A** **USE SIMULATION METHOD TO CHECK**

**B****4. CHECK DTC OUTPUT**

Pre-procedure1

(a) Drive the vehicle at a speed of 30 km/h (19 mph) or more.

Procedure2

(b) Check that no speed sensor DTCs are output.

### Chassis > Brake/EPB > Trouble Codes

#### HINT:

- If C134800 and electronically controlled brake system DTCs are output simultaneously, check and repair the trouble areas in the electronically controlled brake system.

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- When a DTC has been stored, the vehicle condition when the DTC was stored can be determined from the freeze frame data.

Hybrid Control System:

[Click here](#) INFO

Electronically Controlled Brake System:

[Click here](#) INFO

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

Post-procedure1

(c) None.

#### **A** ▶ REPLACE HYBRID VEHICLE CONTROL ECU

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#### **B** ▶ REPAIR CIRCUITS INDICATED BY OUTPUT DTCS

[Click here](#) INFO

