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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> BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: ELECTRONICALLY CONTROLLED BRAKE SYSTEM: VSC does not Operate or VSC does not Operate Correctly; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

**VSC does not Operate or VSC does not Operate Correctly**

## DESCRIPTION

When ABS, TRAC or VSC is operating, the No. 2 skid control ECU (brake actuator assembly) blinks the slip indicator light to inform the driver that slippage occurred.

When a communication malfunction with the hybrid vehicle control ECU is detected, TRAC and VSC are disabled. Also, TRAC and VSC are disabled when a DTC is stored.

When in VSC off mode, or TRAC and VSC are disabled, the multi-information display in the combination meter assembly displays "Traction Control Turned OFF" and the VSC OFF indicator light illuminates to inform the driver.

## PROCEDURE

### 1. BRAKE PROBLEM CHECK

(a) Check whether the slip indicator light was illuminated when VSC did not operate.

OK:

The slip indicator light was illuminated.

#### **HINT:**

When a DTC is stored, the slip indicator light is illuminated and VSC does not operate due to the fail-safe function.

(b) Check whether the vehicle speed was 15 km/h (9 mph) or less when VSC did not operate.

OK:

The vehicle speed was 15 km/h (9 mph) or less.

#### **HINT:**

VSC does not operate when the vehicle speed is 15 km/h (9 mph) or less.

(c) Check whether the vehicle was driven straight for a few seconds at 35 km/h (22 mph) or more.

OK:

The vehicle was not driven straight for a few seconds at 35 km/h (22 mph) or more.

#### **HINT:**

When the ignition switch is turned to ON, as steering angle sensor zero point calibration is not performed below 35 km/h (22 mph), VSC will not operate until the vehicle is driven straight for a few seconds at 35 km/h (22 mph) or more.

**OK**  **END**

**NG**



<b>2.</b>	<b>CHECK DTC</b>
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(a) Check the DTCs (electronically controlled brake system) that are output.

**Chassis > Brake Booster > Trouble Codes**

**Chassis > Brake/EPB > Trouble Codes**

RESULT	PROCEED TO
DTCs are not output.	A
Electronically controlled brake system DTCs are output.	B

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

**A**



<b>3.</b>	<b>CHECK TIRES</b>
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(a) Check that the tire of each wheel is the correct size.

Click here [INFO](#)

OK:

The tire of each wheel is the correct size.

**NG** **REPLACE THE TIRE OF EACH WHEEL WITH THE CORRECT SIZE**

**OK**



<b>4.</b>	<b>CHECK AIRBAG ECU ASSEMBLY INSTALLATION</b>
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(a) Turn the ignition switch off.

(b) Check that the yaw rate and acceleration sensor (airbag ECU assembly) has been installed properly.

Click here [INFO](#)

OK:

The yaw rate and acceleration sensor (airbag ECU assembly) is tightened to the specified torque.

The yaw rate and acceleration sensor (airbag ECU assembly) is not installed in a tilted position.

**OK** ► **OBTAIN YAW RATE AND ACCELERATION SENSOR  
ZERO POINT**

**NG** ► **INSTALL AIRBAG ECU ASSEMBLY**

