Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002BN8K
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: ELECTRONICALLY CONTROLLED BRAKE SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

HOW TO PROCEED WITH TROUBLESHOOTING

CAUTION / NOTICE / HINT

HINT:

*: Use the GTS.

PROCEDURE

1.	**VEHICLE BROUGHT TO WORKSHOP**

NEXT

2.	**CUSTOMER PROBLEM ANALYSIS**

(a) Interview the customer and confirm the problem.

Click here INFO

NEXT

3.	**CHECK DTC, FREEZE FRAME DATA AND VEHICLE CONTROL HISTORY (RoB)***

(a) Check and record DTCs and Freeze Frame Data.

for DTC Check / Clear: Click here INFO

for Freeze Frame Data: Click here INFO

Chassis > Brake Booster > Trouble Codes
Chassis > Brake/EPB > Trouble Codes

(b) Clear the DTCs and Freeze Frame Data.

for DTC Check / Clear: Click here INFO

for Freeze Frame Data: Click here INFO

Chassis > Brake Booster > Clear DTCs
Chassis > Brake/EPB > Clear DTCs

(c) Reconfirm the DTCs.

(1) Reconfirm the DTCs based on the recorded DTCs and Freeze Frame Data.

for DTC Check / Clear: Click here INFO

for Freeze Frame Data: Click here INFO

Chassis > Brake Booster > Trouble Codes
Chassis > Brake/EPB > Trouble Codes

HINT:

- When CAN communication system DTCs are output, repair the CAN communication system first.

  for HEV Model: Click here INFO

  for PHEV Model: Click here INFO
- If DTCs related to momentary interruptions are output, perform troubleshooting for those DTCs first.

  Click here INFO
- If the GTS cannot communicate with the skid control ECU, inspect the CAN communication system.

  for HEV Model: Click here INFO

  for PHEV Model: Click here INFO
- If there is no response from the No. 1 skid control ECU (brake booster with master cylinder assembly) or No. 2 skid control ECU (brake actuator assembly), inspect the supply power circuit.

  Click here INFO

(d) Check the Vehicle Control History (RoB).

Click here INFO

Chassis > Brake Booster > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

Chassis > Brake/EPB > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

Chassis > Steering Angle Sensor > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

RESULT	PROCEED TO
DTCs are not output. (Problem symptom occurs.)	A
DTCs are output.	B
DTCs are not output. (Problem symptom does not occur.)	C
DTCs are not output. (Vehicle control history (RoB) is stored.)	D

A ▶ **CONFIRM PROBLEM SYMPTOMS**

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

C ▶ **USE SIMULATION METHOD TO CHECK**

D ▶ **PERFORM TROUBLESHOOTING AND REPAIR REGARDING VEHICLE CONTROL HISTORY (RoB)***

NOTICE:

After performing troubleshooting and repair regarding vehicle control history (RoB), clear the vehicle control history (RoB).