Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000028P3B
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: PARKING BRAKE: ELECTRIC PARKING BRAKE SYSTEM: C060962; Electric Parking Brake Switch Signal Compare Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	**C060962**	**Electric Parking Brake Switch Signal Compare Failure**

DESCRIPTION

Refer to DTC C060913.

Click here INFO

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MEMORY	DTC OUTPUT FROM	PRIORITY	NOTE
C060962	Electric Parking Brake Switch Signal Compare Failure	• Open or short detected in parking brake switch circuit for 1 second or more • Stuck parking brake switch detected (when parked: 30 seconds, when driving: 1 second, during engine stall: 1 second) • Stuck parking brake switch detected 3 times in succession when being operated	• Electric parking brake switch (electric parking brake switch assembly) • Wire harness and connector • No. 2 skid control ECU (brake actuator assembly)	DTC stored	Brake/EPB	A	An electric parking brake system malfunction is displayed on the multi-information display.

DTC Detection Conditions: C060962

		VEHICLE CONDITION					
		PATTERN 1	PATTERN 2	PATTERN 3	PATTERN 4	PATTERN 5	PATTERN 6
Diagnosis Condition	Vehicle is stopped	-	-	○	-	-	-
	Vehicle is being driven	-	-	-	○	-	-
	During initial check	-	-	-	-	○	-
	Parking brake switch is being operated	-	-	-	-	-	○
Malfunction Status	Open detected in parking brake switch circuit	○	-	-	-	-	-
	Short detected in parking brake switch circuit	-	○	-	-	-	-
	Stuck parking brake switch detected	-	-	○	○	○	○
Detection Time		1 second or more	1 second or more	30 seconds or more	1 second or more	1 second or more	-
Number of Trips		1 trip	1 trip	1 trip	1 trip	1 trip	3 trip

HINT:

DTC will be output when conditions for either of the patterns in the table above are met.

WIRING DIAGRAM

Click here INFO

PROCEDURE

1.	**READ VALUE USING GTS (EPB SWITCH)**

Pre-procedure1

(a) Connect the GTS to the DLC3.

Pre-procedure2

(b) Turn the ignition switch to ON.

Pre-procedure3

(c) Enter the following menus: Chassis / Brake/EPB / Data List.

Chassis > Brake/EPB > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
EPB Switch	Electric parking brake switch (electric parking brake switch assembly) input	Neutral / Apply / Release / Unknown	Neutral: Lock switch and release switch are off Apply: Lock switch on Release: Release switch on	When not normal, electric parking brake switch (electric parking brake switch assembly) release side system may be malfunctioning **HINT:** EPB stands for electric parking brake.

Chassis > Brake/EPB > Data List

TESTER DISPLAY
EPB Switch

Procedure1

(d) Operate the electric parking brake switch assembly and check that the value of "EPB Switch" in the Data List changes between Apply and Release in accordance with the operation of the switch.

OK:
The value of EPB Switch changes between Apply and Release in accordance with switch operation.

Post-procedure1

(e) None

NG ▶ **GO TO STEP 4**

OK ▼

2.	**CLEAR DTC**

(a) Clear the DTCs.

Chassis > Brake/EPB > Clear DTCs

NEXT ▼

3.	**CHECK DTC**

(a) Check for DTCs.

Chassis > Brake/EPB > Trouble Codes

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

A ▶ **REPLACE NO. 2 SKID CONTROL ECU (BRAKE ACTUATOR ASSEMBLY)**

Click here INFO

B ▶ **USE SIMULATION METHOD TO CHECK**

4.	**INSPECT ELECTRIC PARKING BRAKE SWITCH ASSEMBLY**

Click here INFO

NG ▶ **REPLACE ELECTRIC PARKING BRAKE SWITCH ASSEMBLY**

OK ▼

5.	**CHECK HARNESS AND CONNECTOR (NO. 2 SKID CONTROL ECU (BRAKE ACTUATOR ASSEMBLY) - ELECTRIC PARKING BRAKE SWITCH (ELECTRIC PARKING BRAKE SWITCH ASSEMBLY)**

Pre-procedure1

(a) Disconnect the K22 electric parking brake switch (electric parking brake switch assembly) connector.

(b) Disconnect the A4 No. 2 skid control ECU (brake actuator assembly) connector.

Procedure1

(c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

EWD INFO

Click Location & Routing(A4,K22)
Click Connector(A4)
Click Connector(K22)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
A4-36 (SWI1) - K22-8 (SWI1)	Always	Below 1 Ω	Ω
A4-31 (SWO1) - K22-9 (SWO1)	Always	Below 1 Ω	Ω
A4-41 (SWI2) - K22-1 (SWI2)	Always	Below 1 Ω	Ω
A4-39 (SWO2) - K22-2 (SWO2)	Always	Below 1 Ω	Ω
A4-36 (SWI1) or K22-8 (SWI1) - Body ground	Always	10 kΩ or higher	kΩ
A4-31 (SWO1) or K22-9 (SWO1) - Body ground	Always	10 kΩ or higher	kΩ
A4-41 (SWI2) or K22-1 (SWI2) - Body ground	Always	10 kΩ or higher	kΩ
A4-39 (SWO2) or K22-2 (SWO2) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK ▼

6.	**CLEAR DTC**

Pre-procedure1

(a) None

Procedure1

(b) Clear the DTCs.

Chassis > Brake/EPB > Clear DTCs

Post-procedure1

(c) Turn the ignition switch off.

NEXT ▼

7.	**CHECK DTC**

(a) Check for DTCs.

Chassis > Brake/EPB > Trouble Codes

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

A **REPLACE NO. 2 SKID CONTROL ECU (BRAKE ACTUATOR ASSEMBLY)**

Click here INFO

B **USE SIMULATION METHOD TO CHECK**