Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000028P3K
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: PARKING BRAKE: ELECTRIC PARKING BRAKE SYSTEM: C061319; Right Electric Parking Brake Actuator Circuit Current Above Threshold; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	**C061319**	**Right Electric Parking Brake Actuator Circuit Current Above Threshold**

DESCRIPTION

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MEMORY	DTC OUTPUT FROM	PRIORITY	NOTE
C061319	Right Electric Parking Brake Actuator Circuit Current Above Threshold	When the electric parking brake is operating, overcurrent is detected in the parking brake actuator assembly RH 3 times.	• Parking brake actuator assembly RH • No. 1 parking brake wire 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.

WIRING DIAGRAM

Click here INFO

PROCEDURE

1.	**INSPECT NO. 1 PARKING BRAKE WIRE ASSEMBLY**

Procedure1

(a) Make sure that there is no looseness at the locking part and the connecting part of the connectors.

OK:

The connector is securely connected.

Pre-procedure1

(b) Disconnect the rR1 and r1 No. 1 parking brake wire assembly connectors.

Procedure2

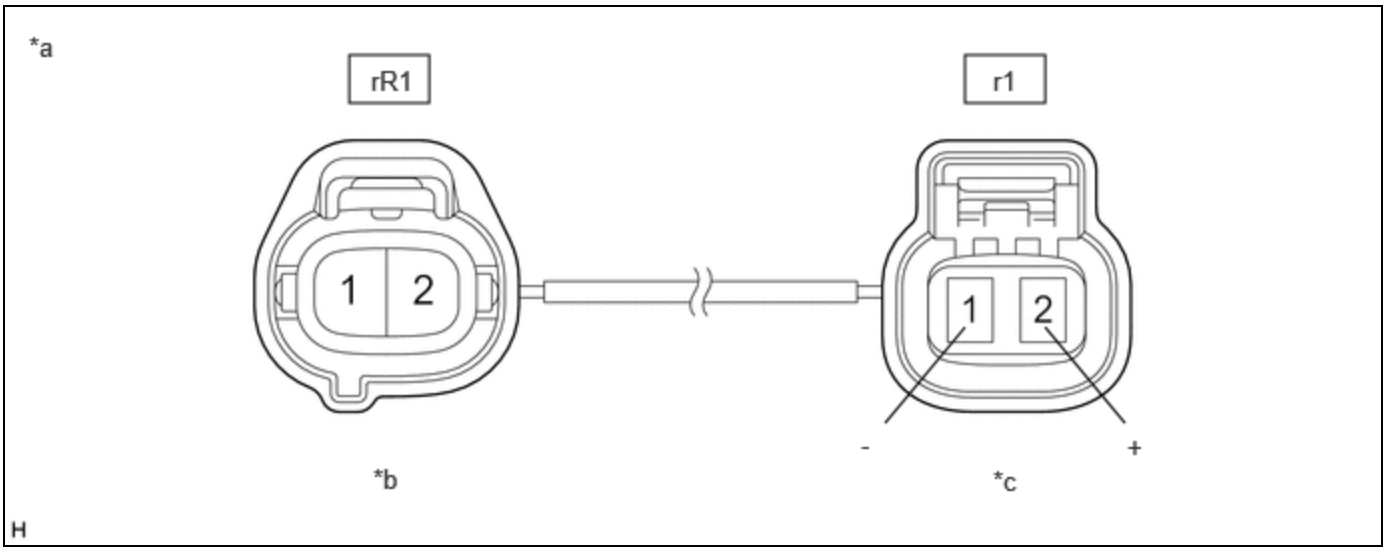
(c) Check both the connector case and the terminals for deformation and corrosion.

OK:

No deformation or corrosion.

Procedure3

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



*a	Front view of No. 1 Parking Brake Wire Assembly	*b	to wire harness connector
*c	to Parking Brake Actuator Assembly RH	-	-

Standard Resistance:

EWD INFO

Click Location & Routing(rR1,r1)
Click Connector(rR1)
Click Connector(r1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
rR1-1 - r1-2 (+)	Always	Below 1 Ω	Ω
rR1-1 or r1-2 (+) - Body ground and other terminals	Always	10 kΩ or higher	kΩ
rR1-2 - r1-1 (-)	Always	Below 1 Ω	Ω
rR1-2 or r1-1 (-) - Body ground and other terminals	Always	10 kΩ or higher	kΩ

Post-procedure1

(e) None

NG ▶ **REPLACE NO. 1 PARKING BRAKE WIRE ASSEMBLY**

OK

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

Pre-procedure1

(a) Make sure the No. 1 parking brake wire assembly is securely installed.

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

(c) Disconnect the r1 parking brake actuator assembly RH connector.

Procedure1

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

Standard Resistance:

EWD INFO

Click Location & Routing(A4,r1)
Click Connector(A4)
Click Connector(r1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
A4-13 (MRR+) - r1-2 (+)	Always	Below 1 Ω	Ω
A4-13 (MRR+) or r1-2 (+) - Body ground	Always	10 kΩ or higher	kΩ
A4-12 (MRR-) - r1-1 (-)	Always	Below 1 Ω	Ω
A4-12 (MRR-) or r1-1 (-) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(e) None

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

OK

3.	**INSPECT PARKING BRAKE ACTUATOR ASSEMBLY RH**

Click here INFO

NG ▶ **REPLACE PARKING BRAKE ACTUATOR ASSEMBLY RH**

OK

4.	**CHECK FOR SHORT TO +B**

Pre-procedure1

(a) Turn the ignition switch off.

(b) Make sure the No. 1 parking brake wire assembly is securely installed.

(c) Disconnect the r1 parking brake actuator assembly RH connector.

Procedure1

(d) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

EWD INFO

Click Location & Routing(r1)
Click Connector(r1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
r1-2 (+) - r1-1 (-)	Electric parking brake not operating	Below 1 V	V

Post-procedure1

(e) None

OK ▶ **REPLACE PARKING BRAKE ACTUATOR ASSEMBLY RH**

NG

5.	**CHECK FOR SHORT TO +B**

Pre-procedure1

(a) Disconnect the rR1 No. 1 parking brake wire assembly connector.

Procedure1

(b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

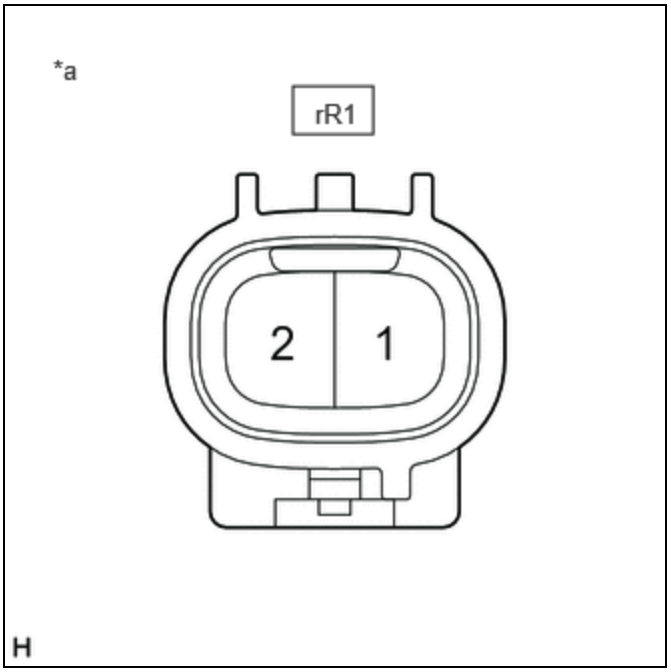
EWD INFO

Click Location & Routing(rR1)
Click Connector(rR1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
rR1-1 - rR1-2	Electric parking brake not operating	Below 1 V	V

Result:

PROCEED TO
OK
NG



*a	Front view of wire harness connector (to No. 1 Parking Brake Wire Assembly)

Post-procedure1

(c) None

OK ▶ **REPLACE NO. 1 PARKING BRAKE WIRE ASSEMBLY**

NG ▼

6.	**CHECK FOR SHORT TO +B**

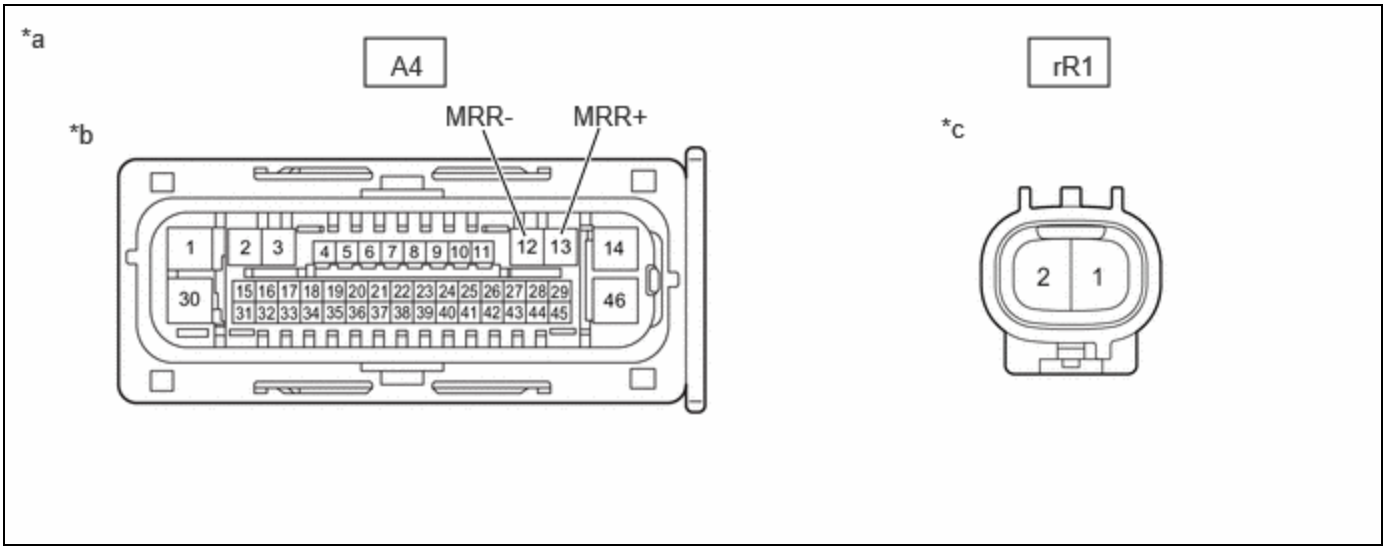
Pre-procedure1

(a) Disconnect the rR1 No. 1 parking brake wire assembly connector.

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

Procedure1

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



*a	Front view of wire harness connector	*b	to No. 2 Skid Control ECU (Brake Actuator Assembly)
*c	to No. 1 Parking Brake Wire Assembly	-	-

Standard Voltage:

EWD INFO

Click Location & Routing(rR1,A4)
Click Connector(rR1)
Click Connector(A4)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
rR1-1 or A4-13 (MRR+) - Body ground	Always	Below 1 V	V
rR1-2 or A4-12 (MRR-) - Body ground	Always	Below 1 V	V

Post-procedure1

(d) None

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

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