

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002A07L
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PA10/PB10/PB12 (HYBRID TRANSMISSION / TRANSAXLE): COMBINATION SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

INSPECTION

PROCEDURE

1. INSPECT ELECTRIC PARKING BRAKE SWITCH ASSEMBLY (DRIVE MODE SWITCH)

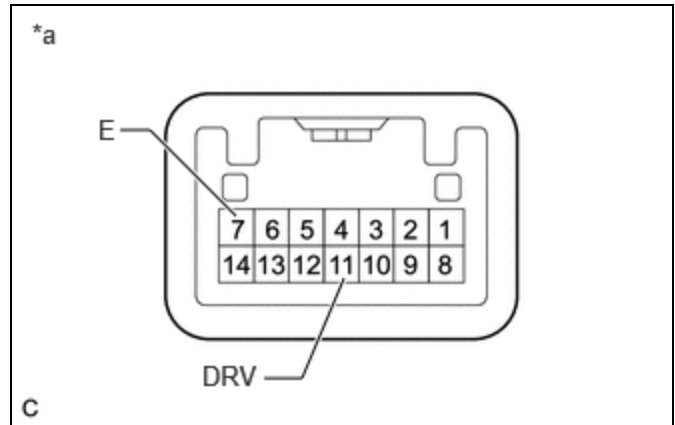
(a) for Push Switch Type:

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
11 (DRV) - 7 (E)	Pressed	Below 50 Ω	Ω
11 (DRV) - 7 (E)	Not pressed	10 kΩ or higher	kΩ

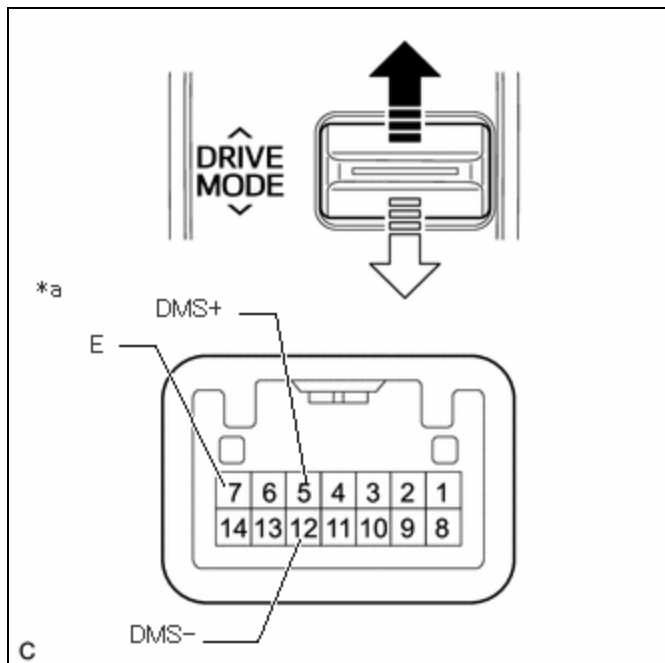
If the result is not as specified, replace the electric parking brake switch assembly.





*a Component without harness connected (Electric Parking Brake Switch Assembly)

(b) except Push Switch Type:

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



*a	Component without harness connected (Electric Parking Brake Switch Assembly)
	"DRIVE +" Side
	"DRIVE -" Side

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
5 (DMS+) - 7 (E)	Pushed and held at "DRIVE +" side	Below 50 Ω	Ω
5 (DMS+) - 7 (E)	Released (neutral position)	10 kΩ or higher	kΩ
12 (DMS-) - 7 (E)	Pushed and held at "DRIVE -" side	Below 50 Ω	Ω
12 (DMS-) - 7 (E)	Released (neutral position)	10 kΩ or higher	kΩ

If the result is not as specified, replace the electric parking brake switch assembly.

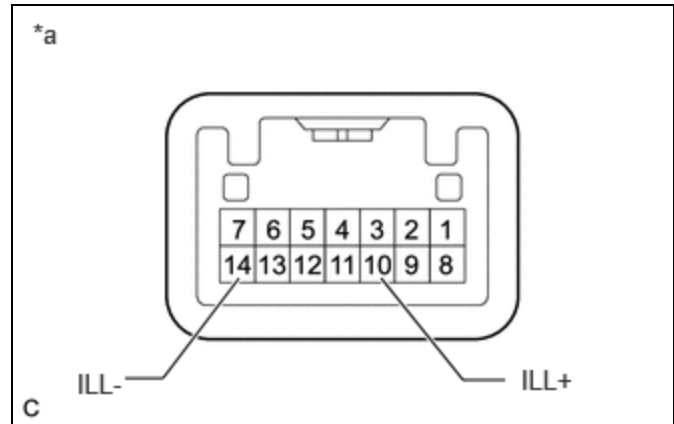
2. INSPECT ELECTRIC PARKING BRAKE SWITCH ASSEMBLY (ILLUMINATION)

- (a) Apply auxiliary battery voltage between the terminals of the switch and check the illumination condition of the electric parking brake switch assembly.

Standard:

Measurement Condition	Specified Condition
Auxiliary battery positive (+) → 10 (ILL+)	Illuminates
Auxiliary battery negative (-) → 14 (ILL-)	

If the result is not as specified, replace electric parking brake switch assembly.



*a	Component without harness connected (Electric Parking Brake Switch Assembly)
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