

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000028P3X
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARKING BRAKE: ELECTRIC PARKING BRAKE SYSTEM: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

INSPECTION

PROCEDURE

1. INSPECT PARKING BRAKE ACTUATOR ASSEMBLY

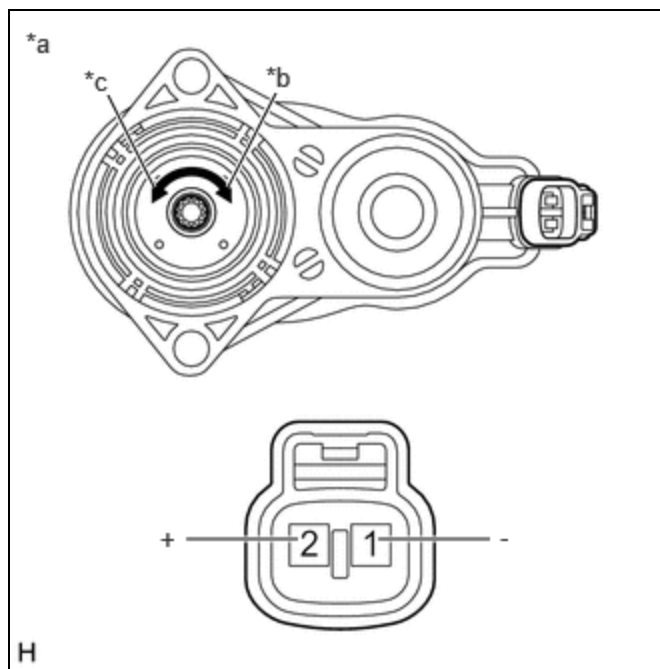
(a) Parking brake actuator assembly operation inspection

(1) Apply voltage to the terminals of the parking brake actuator assembly and check that it operates as specified.

OK:

CONNECTION	PARKING BRAKE ACTUATOR ASSEMBLY OPERATION
2 (+) - Auxiliary battery positive (+) 1 (-) - Auxiliary battery negative (-)	Lock
1 (-) - Auxiliary battery positive (+) 2 (+) - Auxiliary battery negative (-)	Release

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

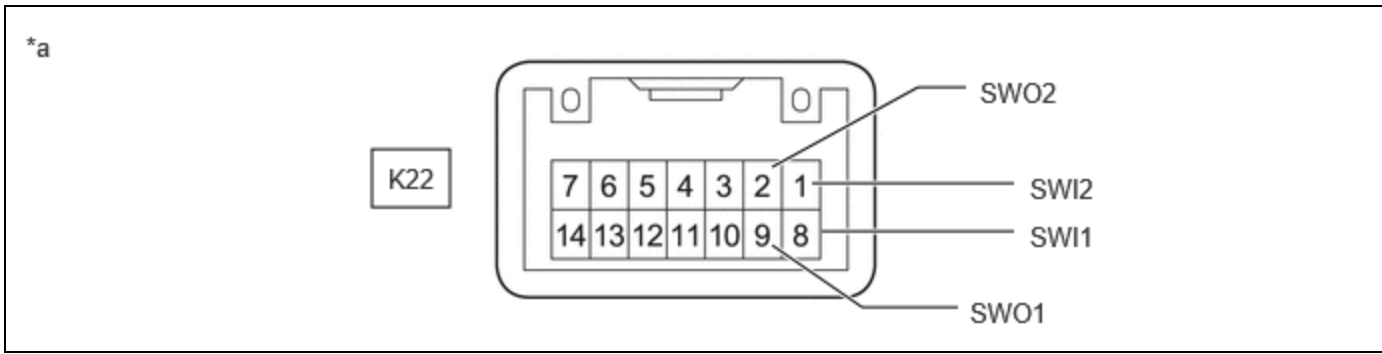


*a	Component without harness connected (Parking Brake Actuator Assembly)
*b	Lock
*c	Release

2. INSPECT ELECTRIC PARKING BRAKE SWITCH ASSEMBLY

(a) Check the resistance.

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



*a	Component without harness connected (Electric Parking Brake Switch Assembly)	-	-
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Standard Resistance:



[Click Location & Routing\(K22\)](#)

[Click Connector\(K22\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K22-8 (SWI1) - K22-9 (SWO1)	OFF (Release)	1 MΩ or higher	MΩ
K22-8 (SWI1) - K22-9 (SWO1)	ON (Lock)	11.5 Ω or less	Ω
K22-8 (SWI1) - K22-9 (SWO1)	Switch not operated	1 MΩ or higher	MΩ
K22-8 (SWI1) - K22-2 (SWO2)	OFF (Release)	11.5 Ω or less	Ω
K22-8 (SWI1) - K22-2 (SWO2)	ON (Lock)	1 MΩ or higher	MΩ
K22-8 (SWI1) - K22-2 (SWO2)	Switch not operated	11.5 Ω or less	Ω
K22-1 (SWI2) - K22-9 (SWO1)	OFF (Release)	1 MΩ or higher	MΩ
K22-1 (SWI2) - K22-9 (SWO1)	ON (Lock)	11.5 Ω or less	Ω
K22-1 (SWI2) - K22-9 (SWO1)	Switch not operated	11.5 Ω or less	Ω
K22-1 (SWI2) - K22-2 (SWO2)	OFF (Release)	11.5 Ω or less	Ω
K22-1 (SWI2) - K22-2 (SWO2)	ON (Lock)	1 MΩ or higher	MΩ
K22-1 (SWI2) - K22-2 (SWO2)	Switch not operated	1 MΩ or higher	MΩ

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

