

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM1000000029TOM
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> SEAT: POWER SEAT SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## INSPECTION

## PROCEDURE

### 1. INSPECT FRONT POWER SEAT SWITCH LH (w/o Memory)

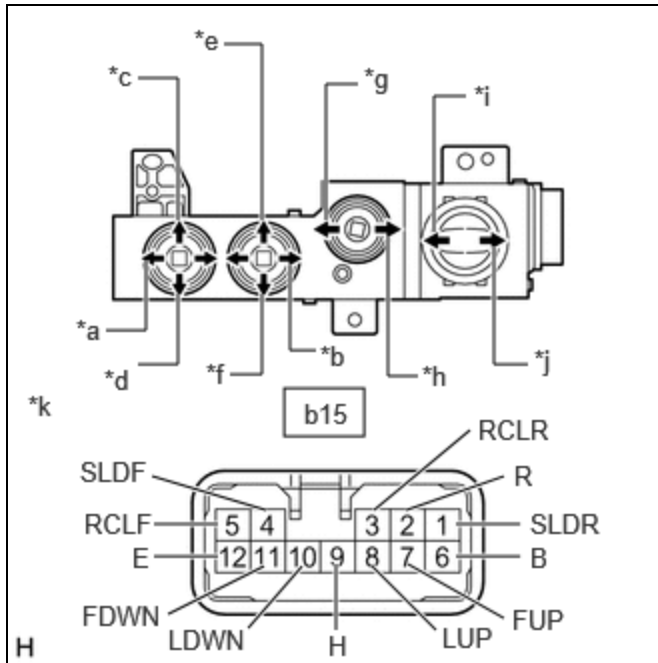
(a) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(b15\)](#)

[Click Connector\(b15\)](#)



*a	Slide Switch (Front)
*b	Slide Switch (Rear)
*c	Front Vertical Switch (Up)
*d	Front Vertical Switch (Down)
*e	Lifter Switch (Up)
*f	Lifter Switch (Down)
*g	Reclining Switch (Front)
*h	Reclining Switch (Rear)
*i	Lumbar Support Switch (Hold)
*j	Lumbar Support Switch (Release)
*k	Component without harness connected (Front Power Seat Switch LH)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
b15-4(SLDF) - b15-6(B)	Slide switch pressed (Front)	Below 1 Ω	Ω
b15-4(SLDF) - b15-6(B)	Off	10 kΩ or higher	kΩ
b15-4(SLDF) - b15-12(E)	Slide switch pressed (Front)	10 kΩ or higher	kΩ
b15-4 (SLDF) - b15-12 (E)	Off	Below 1 Ω	Ω
b15-1 (SLDR) - b15-6 (B)	Slide switch pressed (Rear)	Below 1 Ω	Ω
b15-1 (SLDR) - b15-6 (B)	Off	10 kΩ or higher	kΩ
b15-1 (SLDR) - b15-12 (E)	Slide switch pressed (Rear)	10 kΩ or higher	kΩ
b15-1 (SLDR) - b15-12 (E)	Off	Below 1 Ω	Ω
b15-7 (FUP) - b15-6(B)	Front vertical switch pressed (Up)	Below 1 Ω	Ω
b15-7 (FUP) - b15-6(B)	Off	10 kΩ or higher	kΩ

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
b15-7 (FUP) - b15-12 (E)	Front vertical switch pressed (Up)	10 k $\Omega$ or higher	k $\Omega$
b15-7 (FUP) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-11 (FDWN) - b15-6 (B)	Front vertical switch pressed (Down)	Below 1 $\Omega$	$\Omega$
b15-11 (FDWN) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-11 (FDWN) - b15-12 (E)	Front vertical switch pressed (Down)	10 k $\Omega$ or higher	k $\Omega$
b15-11 (FDWN) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-8 (LUP) - b15-6 (B)	Lifter switch pressed (Up)	Below 1 $\Omega$	$\Omega$
b15-8 (LUP) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-8 (LUP) - b15-12 (E)	Lifter switch pressed (Up)	10 k $\Omega$ or higher	k $\Omega$
b15-8 (LUP) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-10 (LDWN) - b15-6 (B)	Lifter switch pressed (Down)	Below 1 $\Omega$	$\Omega$
b15-10 (LDWN) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-10 (LDWN) - b15-12 (E)	Lifter switch pressed (Down)	10 k $\Omega$ or higher	k $\Omega$
b15-10 (LDWN) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-5 (RCLF) - b15-6 (B)	Reclining switch pressed (Front)	Below 1 $\Omega$	$\Omega$
b15-5 (RCLF) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-5 (RCLF) - b15-12 (E)	Reclining switch pressed (Front)	10 k $\Omega$ or higher	k $\Omega$

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
b15-5 (RCLF) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-3 (RCLR) - b15-6 (B)	Reclining switch pressed (Rear)	Below 1 $\Omega$	$\Omega$
b15-3 (RCLR) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-3 (RCLR) - b15-12 (E)	Reclining switch pressed (Rear)	10 k $\Omega$ or higher	k $\Omega$
b15-3 (RCLR) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-9 (H) - b15-6 (B)	Lumbar support switch pressed (Hold)	Below 1 $\Omega$	$\Omega$
b15-9 (H) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-9 (H) - b15-12 (E)	Lumbar support switch pressed (Hold)	10 k $\Omega$ or higher	k $\Omega$
b15-9 (H) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$
b15-2 (R) - b15-6 (B)	Lumbar support switch pressed (Release)	Below 1 $\Omega$	$\Omega$
b15-2 (R) - b15-6 (B)	Off	10 k $\Omega$ or higher	k $\Omega$
b15-2 (R) - b15-12 (E)	Lumbar support switch pressed (Release)	10 k $\Omega$ or higher	k $\Omega$
b15-2 (R) - b15-12 (E)	Off	Below 1 $\Omega$	$\Omega$

If the result is not as specified, replace the front power seat switch LH.

## 2. INSPECT FRONT POWER SEAT SWITCH LH (w/ Memory)

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

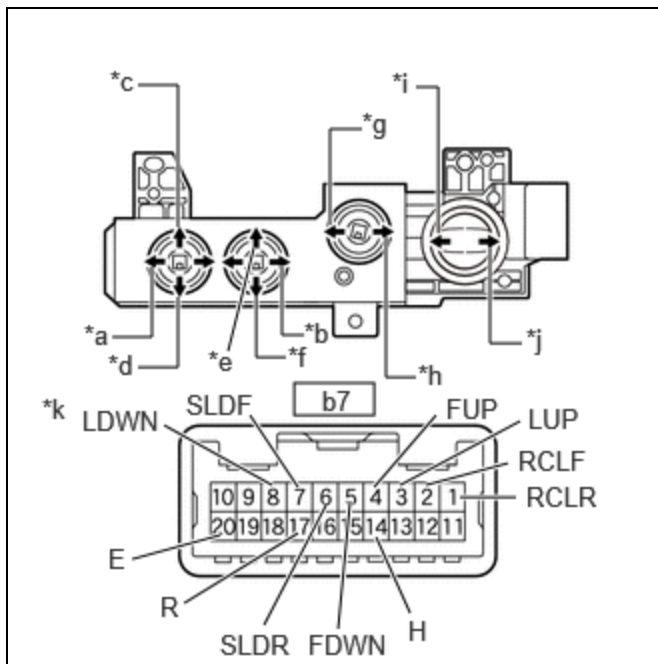
Standard Resistance:



[Click Location & Routing\(b7\)](#)

[Click Connector\(b7\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
b7-7 (SLDF) - b7-20 (E)	Slide switch pressed (Front)	Below 1 Ω	Ω
b7-7 (SLDF) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-6 (SLDR) - b7-20 (E)	Slide switch pressed (Rear)	Below 1 Ω	Ω
b7-6 (SLDR) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-4 (FUP) - b7-20 (E)	Front vertical switch pressed (Up)	Below 1 Ω	Ω
b7-4 (FUP) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-5 (FDWN) - b7-20 (E)	Front vertical switch pressed (Down)	Below 1 Ω	Ω
b7-5 (FDWN) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-3 (LUP) - b7-20 (E)	Lifter switch pressed (Up)	Below 1 Ω	Ω
b7-3 (LUP) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-8 (LDWN) - b7-20 (E)	Lifter switch pressed (Down)	Below 1 Ω	Ω
b7-8 (LDWN) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-2 (RCLF) - b7-20 (E)	Reclining switch pressed (Front)	Below 1 Ω	Ω
b7-2 (RCLF) - b7-20 (E)	Off	10 kΩ or higher	kΩ
b7-1 (RCLR) - b7-20 (E)	Reclining switch pressed	Below 1 Ω	Ω



*a	Slide Switch (Front)
*b	Slide Switch (Rear)
*c	Front Vertical Switch (Up)
*d	Front Vertical Switch (Down)
*e	Lifter Switch (Up)
*f	Lifter Switch (Down)
*g	Reclining Switch (Front)
*h	Reclining Switch (Rear)
*i	Lumbar Support Switch (Hold)
*j	Lumbar Support Switch (Release)
*k	Component without harness connected (Front Power Seat Switch LH)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
	(Rear)		
b7-1 (RCLR) - b7-20 (E)	Off	10 k $\Omega$ or higher	k $\Omega$
b7-14 (H) - b7-20 (E)	Lumbar support switch pressed (Hold)	Below 1 $\Omega$	$\Omega$
b7-14 (H) - b7-20 (E)	Off	10 k $\Omega$ or higher	k $\Omega$
b7-17 (R) - b7-20 (E)	Lumbar support switch pressed (Release)	Below 1 $\Omega$	$\Omega$
b7-17 (R) - b7-20 (E)	Off	10 k $\Omega$ or higher	k $\Omega$

If the result is not as specified, replace the front power seat switch LH.

