Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM10000000289RO
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: DOOR LOCK: REAR DOOR LOCK: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

INSPECTION

PROCEDURE

1. INSPECT REAR DOOR LOCK WITH MOTOR ASSEMBLY LH

(a) Check the operation of the door lock motor.

(1) Apply auxiliary battery voltage and check the operation of the door lock motor.

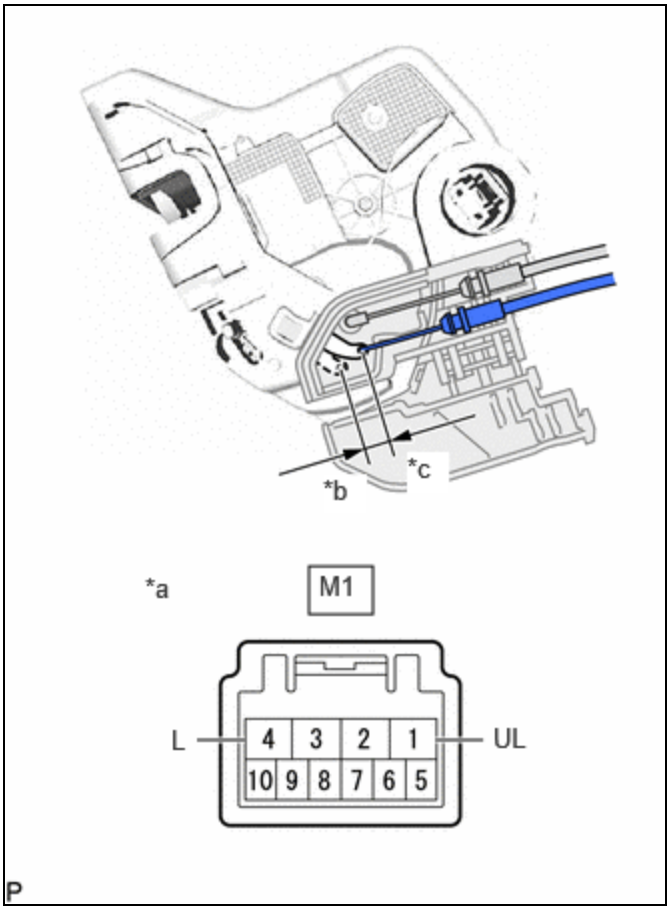
OK:

EWD INFO

Click Location & Routing(M1)
Click Connector(M1)

TESTER CONNECTION	RESULT
M1-4 (L) - Auxiliary battery positive (+) M1-1 (UL) - Auxiliary battery negative (-)	Locks
M1-1 (UL) - Auxiliary battery positive (+) M1-4 (L) - Auxiliary battery negative (-)	Unlocks

If the result is not as specified, replace the rear door lock with motor assembly LH.



*a	Component without harness connected (Rear Door Lock with Motor Assembly LH)
*b	Lock
*c	Unlock

(b) Check the operation of the door unlock detection switch.

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

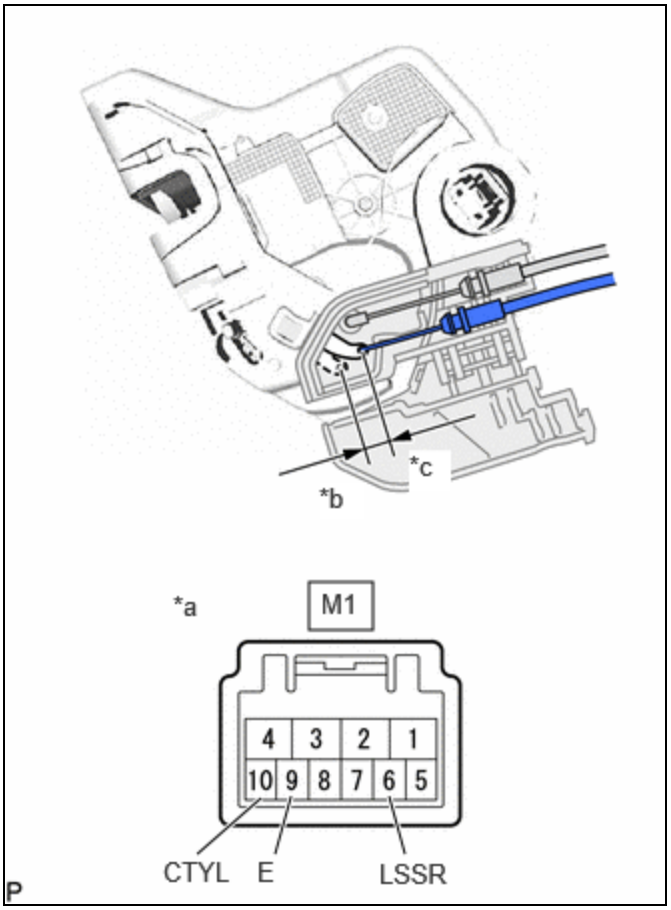
Standard Resistance:

EWD INFO

Click Location & Routing(M1)
Click Connector(M1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
M1-6 (LSSR) - M1-9 (E)	Lock	10 kΩ or higher	kΩ
M1-6 (LSSR) - M1-9 (E)	Unlock	Below 1 Ω	Ω

If the result is not as specified, replace the rear door lock with motor assembly LH.



*a	Component without harness connected (Rear Door Lock with Motor Assembly LH)
*b	Lock
*c	Unlock

(c) Check the operation of the door courtesy switch.

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

Standard Resistance:

EWD INFO

Click Location & Routing(M1)
Click Connector(M1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
M1-10 (CTYL) - M1-9 (E)	Lock	10 kΩ or higher	kΩ
M1-10 (CTYL) - M1-9 (E)	Unlock	Below 1 Ω	Ω

If the result is not as specified, replace the rear door lock with motor assembly LH.

2. INSPECT REAR DOOR LOCK WITH MOTOR ASSEMBLY RH

(a) Check the operation of the door lock motor.

(1) Apply auxiliary battery voltage and check the operation of the door lock motor.

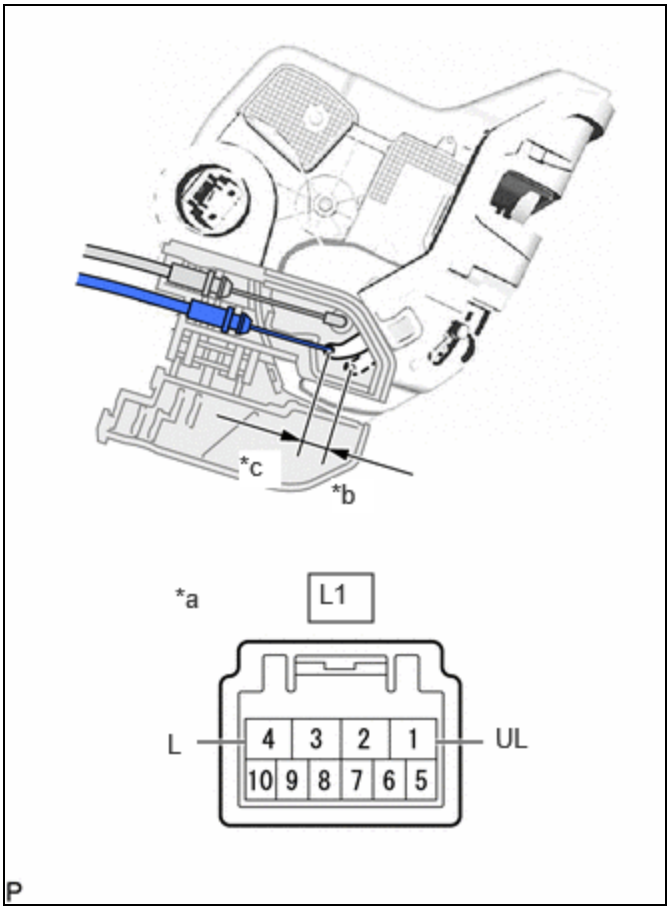
OK:

EWD INFO

Click Location & Routing(L1)
Click Connector(L1)

TESTER CONNECTION	RESULT
L1-4 (L) - Auxiliary battery positive (+) L1-1 (UL) - Auxiliary battery negative (-)	Locks
L1-1 (UL) - Auxiliary battery positive (+) L1-4 (L) - Auxiliary battery negative (-)	Unlocks

If the result is not as specified, replace the rear door lock with motor assembly RH.



*a	Component without harness connected (Rear Door Lock with Motor Assembly RH)
*b	Lock
*c	Unlock

(b) Check the operation of the unlock detection switch.

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

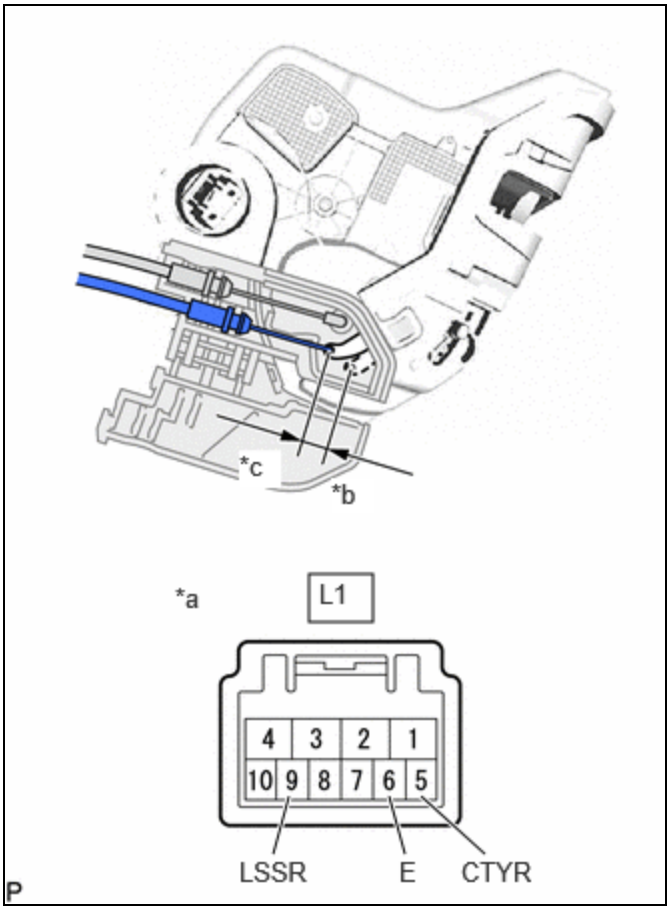
Standard Resistance:

EWD INFO

Click Location & Routing(L1)
Click Connector(L1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
L1-6 (E) - L1-9 (LSSR)	Locked	10 kΩ or higher	kΩ
L1-6 (E) - L1-9 (LSSR)	Unlocked	Below 1 Ω	Ω

If the result is not as specified, replace the rear door lock with motor assembly RH.



*a	Component without harness connected (Rear Door Lock with Motor Assembly RH)
*b	Lock
*c	Unlock

(c) Check the operation of the door courtesy switch.

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

Standard Resistance:

EWD INFO

Click Location & Routing(L1)
Click Connector(L1)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
L1-5 (CTYR) - L1-6 (E)	Lock	10 kΩ or higher	kΩ
L1-5 (CTYR) - L1-6 (E)	Unlock	Below 1 Ω	Ω

If the result is not as specified, replace the rear door lock with motor assembly RH.