Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM1000000029XA8
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: MIRROR (EXT): OUTER MIRROR SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

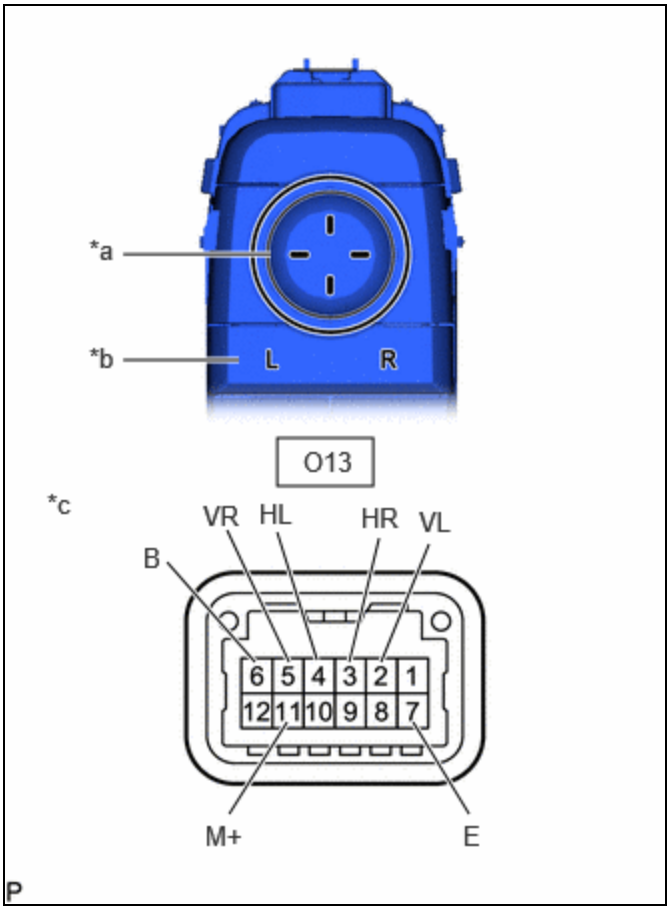
INSPECTION

PROCEDURE

1. INSPECT OUTER MIRROR SWITCH ASSEMBLY (MULTIPLEX NETWORK MASTER SWITCH ASSEMBLY) (w/o Automatic Retractable Mirror)

(a) Check the mirror select switch and mirror surface adjust switch.

(1) Turn the mirror select switch to the L position.



*a	Mirror Surface Adjust Switch
*b	Mirror Select Switch
*c	Component without harness connected (Outer Mirror Switch Assembly (Multiplex Network Master Switch Assembly))

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

Standard Resistance (for left side):

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-2 (VL) - O13-6 (B)	Up	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Up	Below 2 Ω	Ω
O13-2 (VL) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-2 (VL) - O13-7 (E)	Down	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Down	Below 2 Ω	Ω
O13-2 (VL) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-4 (HL) - O13-6 (B)	Left	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Left	Below 2 Ω	Ω
O13-4 (HL) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-4 (HL) - O13-7 (E)	Right	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Right	Below 2 Ω	Ω
O13-4 (HL) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ

(3) Turn the mirror select switch to the R position.

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

Standard Resistance (for right side):

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-5 (VR) - O13-6 (B)	Up	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Up	Below 2 Ω	Ω
O13-5 (VR) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-5 (VR) - O13-7 (E)	Down	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Down	Below 2 Ω	Ω
O13-5 (VR) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-3 (HR) - O13-6 (B)	Left	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Left	Below 2 Ω	Ω
O13-3 (HR) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-3 (HR) - O13-7 (E)	Right	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Right	Below 2 Ω	Ω
O13-3 (HR) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ

If the result is not as specified, replace the outer mirror switch assembly (multiplex network master switch assembly).

(b) Check that the LED illuminates.

(1) Apply battery voltage to the outer mirror switch assembly (multiplex network master switch assembly) and check that the LED illuminates.

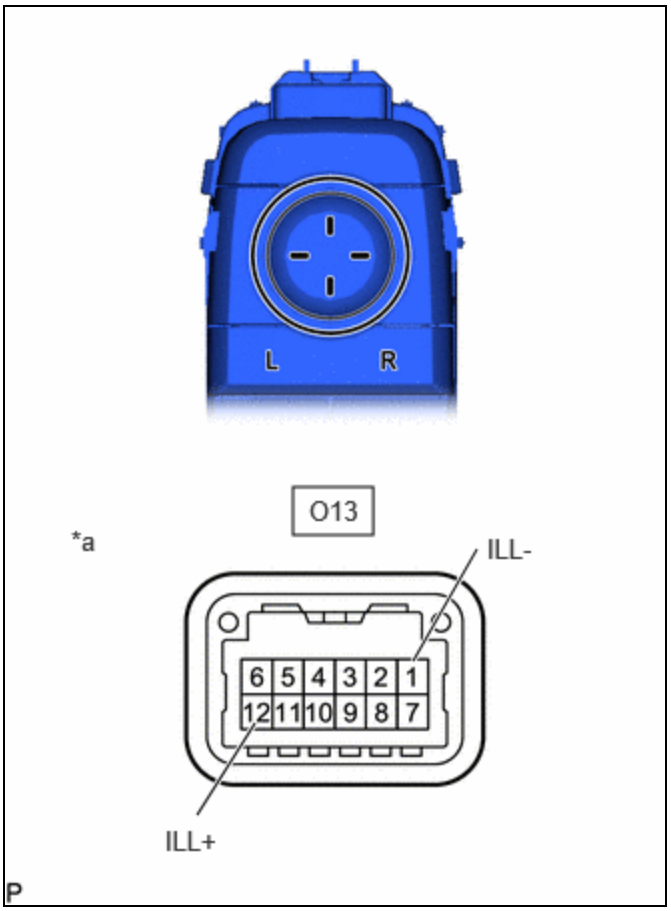
OK:

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	SPECIFIED CONDITION
Auxiliary battery positive (+) - O13-12 (ILL+) Auxiliary battery negative (-) - O13-1 (ILL-)	LED illuminates

If the result is not as specified, replace the outer mirror switch assembly (multiplex network master switch assembly).

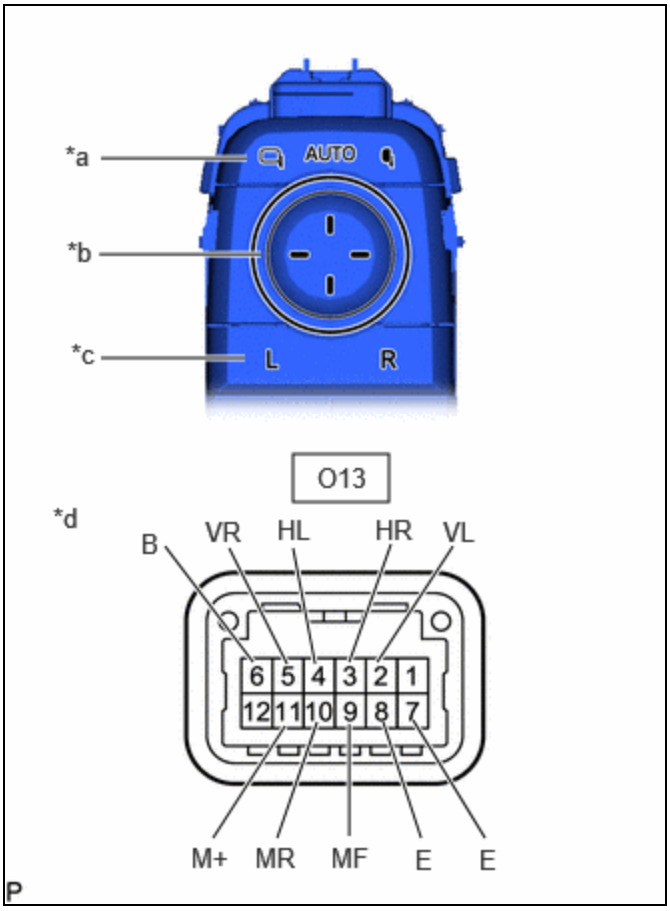


*a	Component without harness connected (Outer Mirror Switch Assembly (Multiplex Network Master Switch Assembly))

2. INSPECT OUTER MIRROR SWITCH ASSEMBLY (MULTIPLEX NETWORK MASTER SWITCH ASSEMBLY) (w/ Automatic Retractable Mirror)

(a) Check the mirror select switch and mirror surface adjust switch.

(1) Turn the mirror select switch to the L position.



*a	Mirror Retract Switch
*b	Mirror Surface Adjust Switch
*c	Mirror Select Switch
*d	Component without harness connected (Outer Mirror Switch Assembly (Multiplex Network Master Switch Assembly))

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

Standard Resistance (for left side):

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-2 (VL) - O13-6 (B)	Up	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Up	Below 2 Ω	Ω
O13-2 (VL) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-2 (VL) - O13-7 (E)	Down	Below 2 Ω	Ω

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-11 (M+) - O13-6 (B)	Down	Below 2 Ω	Ω
O13-2 (VL) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-4 (HL) - O13-6 (B)	Left	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Left	Below 2 Ω	Ω
O13-4 (HL) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-4 (HL) - O13-7 (E)	Right	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Right	Below 2 Ω	Ω
O13-4 (HL) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ

(3) Turn the mirror select switch to the R position.

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

Standard Resistance (for right side):

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-5 (VR) - O13-6 (B)	Up	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Up	Below 2 Ω	Ω
O13-5 (VR) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-5 (VR) - O13-7 (E)	Down	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Down	Below 2 Ω	Ω
O13-5 (VR) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-3 (HR) - O13-6 (B)	Left	Below 2 Ω	Ω
O13-11 (M+) - O13-7 (E)	Left	Below 2 Ω	Ω
O13-3 (HR) - O13-6 (B)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-3 (HR) - O13-7 (E)	Right	Below 2 Ω	Ω
O13-11 (M+) - O13-6 (B)	Right	Below 2 Ω	Ω
O13-3 (HR) - O13-7 (E)	Off	10 kΩ or higher	kΩ
O13-11 (M+) - O13-6 (B)	Off	10 kΩ or higher	kΩ

(5) Check the mirror retract switch.

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

Standard Resistance:

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
O13-10 (MR) - O13-8 (E)	Driving position	Below 2 Ω	Ω
O13-10 (MR) - O13-8 (E)	AUTO position	10 kΩ or higher	kΩ
O13-9 (MF) - O13-8 (E)	AUTO position	10 kΩ or higher	kΩ
O13-9 (MF) - O13-8 (E)	Retract position	Below 2 Ω	Ω

If the result is not as specified, replace the outer mirror switch assembly (multiplex network master switch assembly).

(b) Check that the LED illuminates.

(1) Apply battery voltage to the outer mirror switch assembly (multiplex network master switch assembly) and check that the LED illuminates.

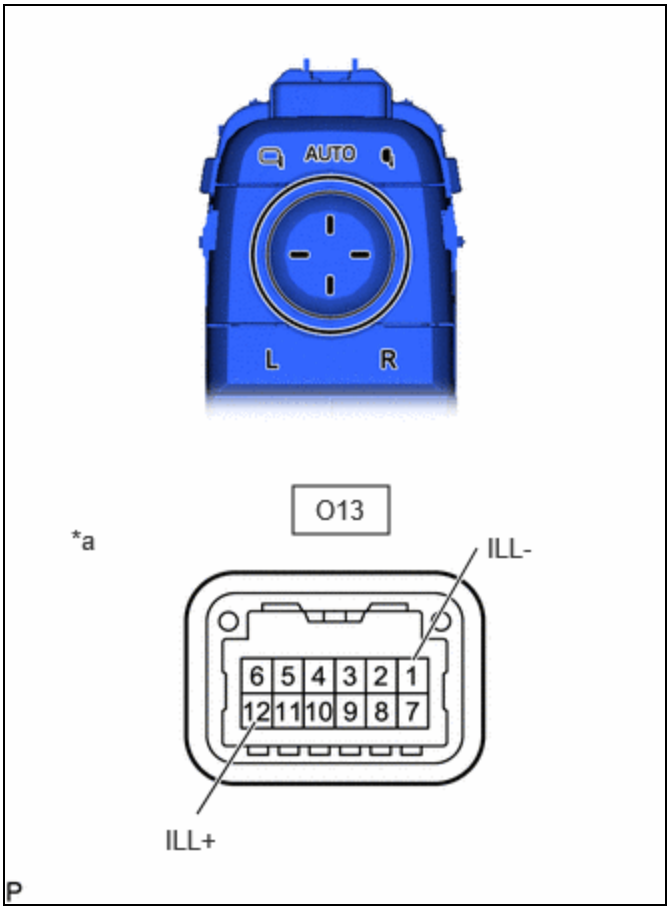
OK:

EWD INFO

Click Location & Routing(O13)
Click Connector(O13)

TESTER CONNECTION	SPECIFIED CONDITION
Auxiliary battery positive (+) - O13-12 (ILL+) Auxiliary battery negative (-) - O13-1 (ILL-)	LED illuminates

If the result is not as specified, replace the outer mirror switch assembly (multiplex network master switch assembly).



*a	Component without harness connected (Outer Mirror Switch Assembly (Multiplex Network Master Switch Assembly))