

Mirror Switch Circuit

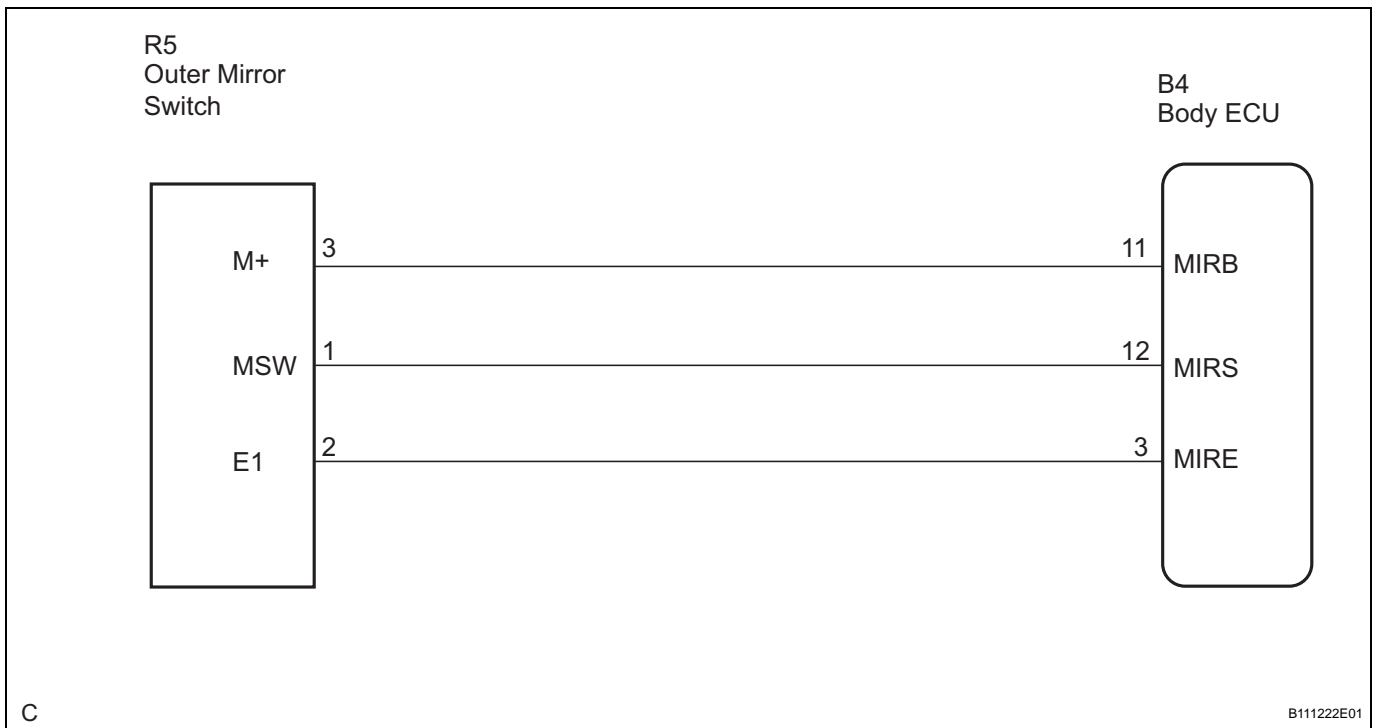
DESCRIPTION

A switch signal of the outer mirror switch is transmitted to the selected outer mirror control ECU by way of the multiplex network body ECU. Then, the outer mirror control ECU activates the mirror motor to move the mirror UP, DOWN, RIGHT and LEFT in response to the input.

HINT:

The power mirror control system is a part of the multiplex communication system. This system features shared communication wiring that reduces the wiring complexity of the communication lines. The first step in any repair is to confirm the proper operation of the communication system. Proceed with troubleshooting after the communication has been verified (See the Multiplex Communication System).

WIRING DIAGRAM



1 READ VALUE ON INTELLIGENT TESTER

(a) Check the DATA LIST for proper function of the outer mirror switches.

BODY

Item	Measurement Item/Display (Range)	Normal Condition
MIRR SEL SW L	Mirror selection switch signal for LH mirror/ON or OFF	ON: Switch is in Left position OFF: Switch is in neutral or Right position
MIRR SEL SW R	Mirror selection switch signal for RH mirror/ON or OFF	ON: Switch is in Right position OFF: Switch is in neutral or Left position
MIRR POS SW L	Mirror position switch signal (Left)/ON or OFF	ON: Switch L is ON OFF: Any switch except L is ON or all switches are OFF
MIRR POS SW R	Mirror position switch signal (Right)/ON or OFF	ON: Switch R is ON OFF: Any switch except R is ON or all switches are OFF

Item	Measurement Item/Display (Range)	Normal Condition
MIRR POS SW UP	Mirror position switch signal (Up)/ON or OFF	ON: Switch UP is ON OFF: Any switch except UP is ON or all switches are OFF
MIRR POS SW DWN	Mirror position switch signal (Down)/ON or OFF	ON: Switch DOWN is ON OFF: Any switch except DOWN is ON or all switches are OFF

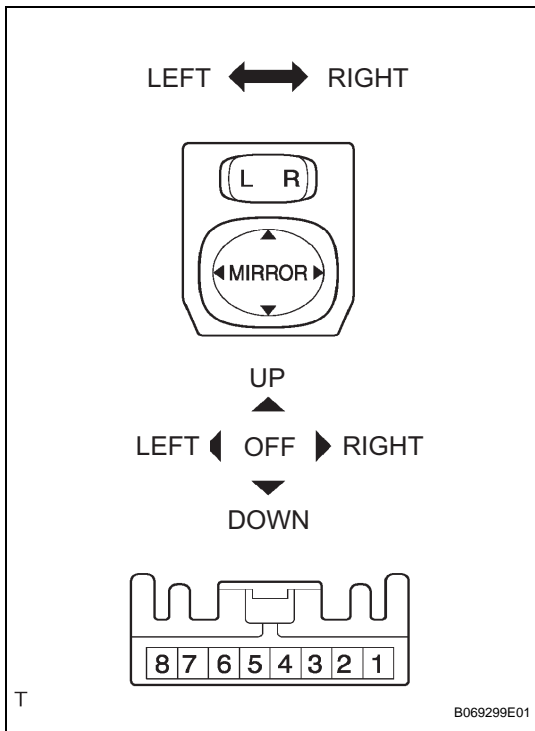
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Go to step 2

OK

CHECK AND REPLACE OUTER MIRROR CONTROL ECU

2 INSPECT OUTER MIRROR SWITCH



- (a) Remove the outer mirror switch.
- (b) Measure the resistance according to the value(s) in the table below when the switch is operated.

Standard resistance

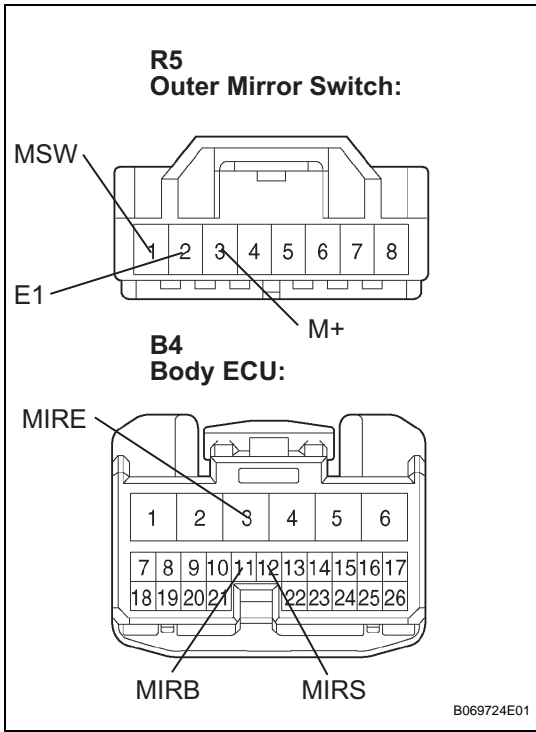
Tester Connection	Switch Position	Specified Condition
2 - 3	OFF	10 kΩ or higher
	UP	225 to 275 Ω
	DOWN	437 to 503 Ω
	LEFT	744 to 856 Ω
	RIGHT	437 to 503 Ω
1 - 2	L	90 to 110 Ω
	R	10 Ω or less

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REPLACE OUTER MIRROR SWITCH

OK

3 CHECK WIRE HARNESS (OUTER MIRROR SWITCH - BODY ECU)



- (a) Disconnect the R5 and B4 connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
R5-3 (M+) - B4-11 (MIRB)	Always	Below 1 Ω
R5-1 (MSW) - B4-12 (MIRS)	Always	Below 1 Ω
R5-2 (E1) - B4-3 (MIRE)	Always	Below 1 Ω
R5-3 (M+) - Body ground	Always	10 kΩ or higher
R5-1 (MSW) - Body ground	Always	10 kΩ or higher
R5-2 (E1) - Body ground	Always	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE