

Remote Up / Down Function does not Operate

DESCRIPTION

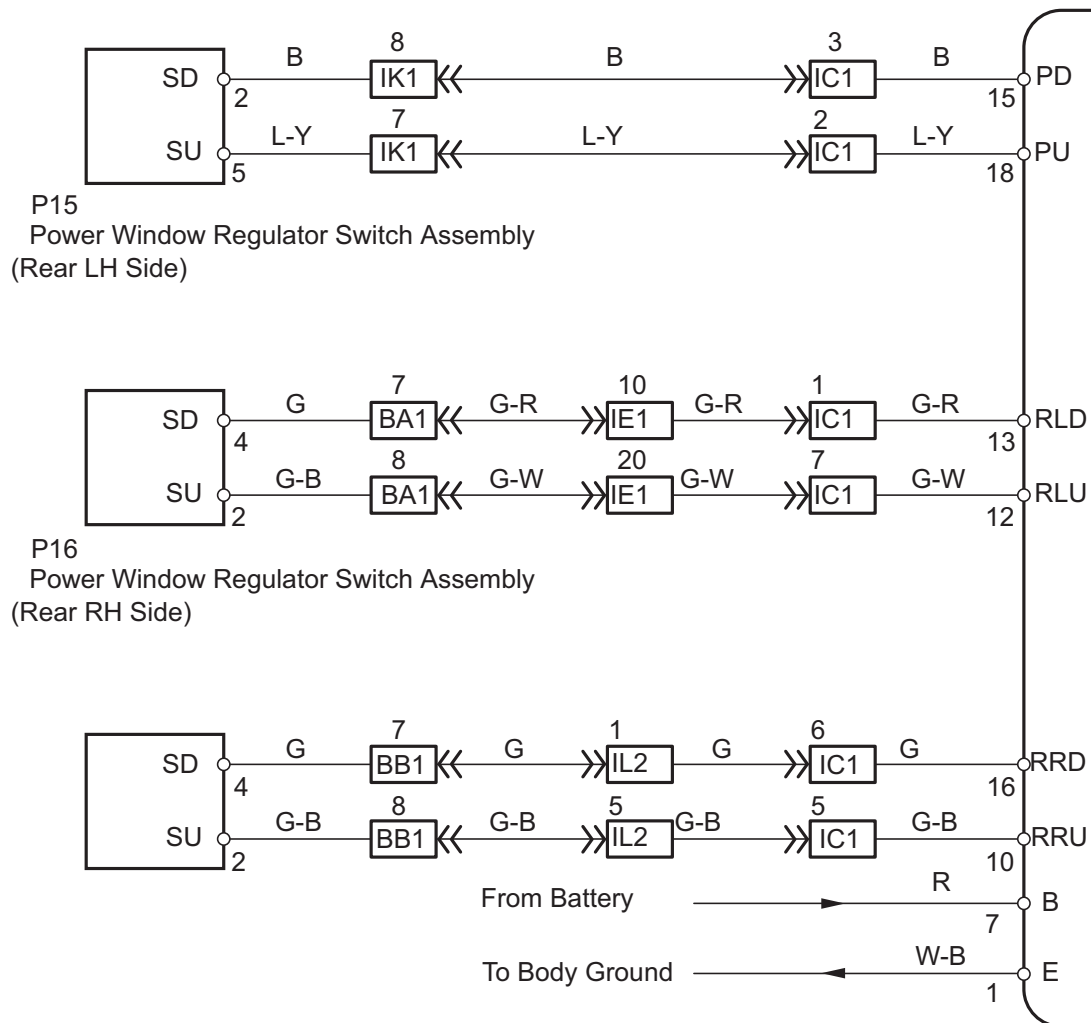
With the ignition switch ON, the power window regulator master switch assembly transmits remote switch signals to the passenger side power window and rear door power window regulator switches. Then, the regulator switches drive the power window regulator motors.

WIRING DIAGRAM

Double Cab:

P14
Power Window Regulator Switch Assembly
(Passenger Side)

P9
Power Window Regulator
Master Switch Assembly



Y

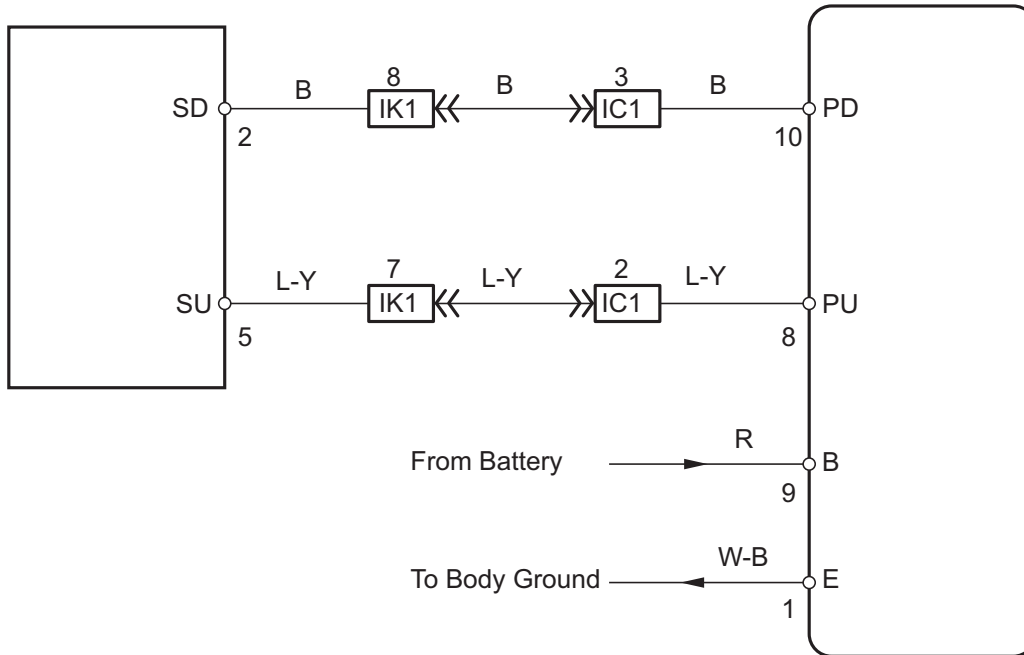
B124992E02

WS

Access Cab:

P14
Power Window Regulator Switch Assembly
(Passenger Side)

P9
Power Window Regulator
Master Switch Assembly



WS

Y

B124986E02

1 CHECK POWER WINDOW LOCK SWITCH



- (a) Turn the window lock switch OFF and operate the master switches assembly passenger side and rear door side switches. Check that the remote UP/DOWN function operates normally.

OK:

Remote UP/DOWN function operates normally.



Y

B066761



2 CHECK MANUAL UP/DOWN FUNCTION

- (a) Check that the passenger side and rear door side power window manual UP/DOWN functions operate normally.

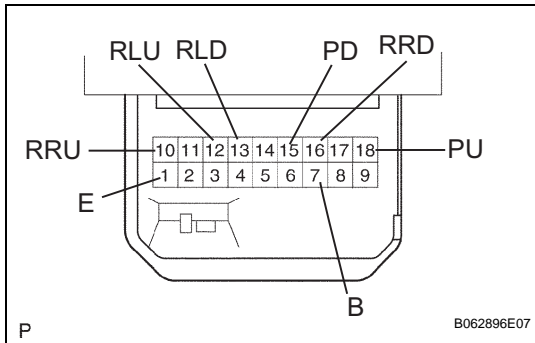
OK:

Manual UP/DOWN function operates normally.



OK

3 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY



- (a) Double cab: Inspect the power window regulator master switch assembly.
- (1) Remove the power window regulator master switch assembly.
 - (2) Disconnect the P9 power window regulator master switch connector.
 - (3) Measure the resistance between the terminals of the connector when the switch is operated.

Standard (Passenger switch)

Window Lock Switch Condition	Power Window Switch Condition	Tester Condition	Specified Condition
OFF (Normal)	UP	P9-1 (E) - P9-15 (PD) P9-7 (B) - P9-18 (PU)	Below 1Ω
OFF (Normal)	OFF	P9-1 (E) - P9-18 (PU) P9-1 (E) - P9-15 (PD)	Below 1Ω
OFF (Normal)	DOWN	P9-1 (E) - P9-18 (PU) P9-7 (B) - P9-15 (PD)	Below 1Ω
ON (Lock)	UP	P9-7 (B) - P9-18 (PU)	Below 1Ω
ON (Lock)	OFF	P9-17 (PU) - P9-15 (PD)	Below 1Ω
ON (Lock)	DOWN	P9-7 (B) - P9-15 (PD)	Below 1Ω

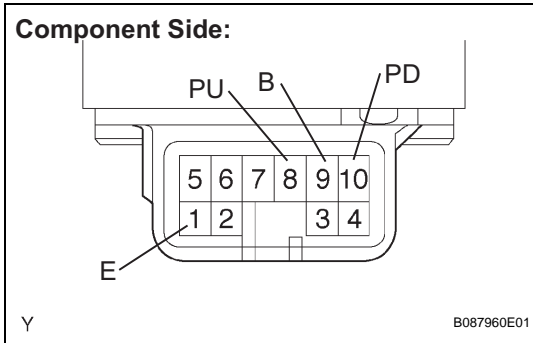
Standard (Rear LH switch)

Window Lock Switch Condition	Power Window Switch Condition	Tester Condition	Specified Condition
OFF (Normal)	UP	P9-1 (E) - P9-13 (RLD) P9-7 (B) - P9-12 (RLU)	Below 1Ω
OFF (Normal)	OFF	P9-1 (E) - P9-12 (RLU) P9-1 (E) - P9-13 (RLD)	Below 1Ω
OFF (Normal)	DOWN	P9-1 (E) - P9-12 (RLU) P9-7 (B) - P9-13 (RLD)	Below 1Ω
ON (Lock)	UP	P9-7 (B) - P9-12 (RLU)	Below 1Ω
ON (Lock)	OFF	P9-12 (RLU) - P9-13 (RLD)	Below 1Ω
ON (Lock)	DOWN	P9-7 (B) - P9-13 (RLD)	Below 1Ω

Standard (Rear RH switch)

Window Lock Switch Condition	Power Window Switch Condition	Tester Condition	Specified Condition
OFF (Normal)	UP	P9-1 (E) - P9-16 (RRD) P9-7 (B) - P9-10 (RRU)	Below 1Ω
OFF (Normal)	OFF	P9-1 (E) - P9-10 (RRU) P9-1 (E) - P9-16 (RRD)	Below 1Ω
OFF (Normal)	DOWN	P9-1 (E) - P9-10 (RRU) P9-7 (B) - P9-16 (RRD)	Below 1Ω
ON (Lock)	UP	P9-7 (B) - P9-10 (RRU)	Below 1Ω
ON (Lock)	OFF	P9-10 (RRU) - P9-16 (RRD)	Below 1Ω
ON (Lock)	DOWN	P9-7 (B) - P9-16 (RRD)	Below 1Ω

WS



- (4) Reconnect the power window regulator master switch connector.
- (5) Reinstall the power window regulator master switch assembly.
- (b) Access cab: Inspect the power window regulator master switch assembly.
 - (1) Remove the power window regulator master switch assembly.
 - (2) Disconnect the P9 power window regulator master switch connector.
 - (3) Measure the resistance between the terminals of the connector when the switch is operated.

WS

Standard (Passenger switch)

Window Lock Switch Condition	Power Window Switch Condition	Tester Condition	Specified Condition
OFF (Normal)	UP	P9-1 (E) - P9-10 (PD) P9-7 (B) - P9-8 (PU)	Below 1Ω
OFF (Normal)	OFF	P9-1 (E) - P9-8 (PU) P9-1 (E) - P9-10 (PD)	Below 1Ω
OFF (Normal)	DOWN	P9-1 (E) - P9-8 (PU) P9-7 (B) - P9-10 (PD)	Below 1Ω
ON (Lock)	UP	P9-9 (B) - P9-8 (PU)	Below 1Ω
ON (Lock)	OFF	P9-8 (PU) - P9-10 (PD)	Below 1Ω
ON (Lock)	DOWN	P9-9 (B) - P9-10 (PD)	Below 1Ω

- (4) Reconnect the power window regulator master switch connector.
- (5) Reinstall the power window regulator master switch assembly.

NG

REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (WINDOW REGULATOR MASTER SWITCH - EACH REGULATOR SWITCH)