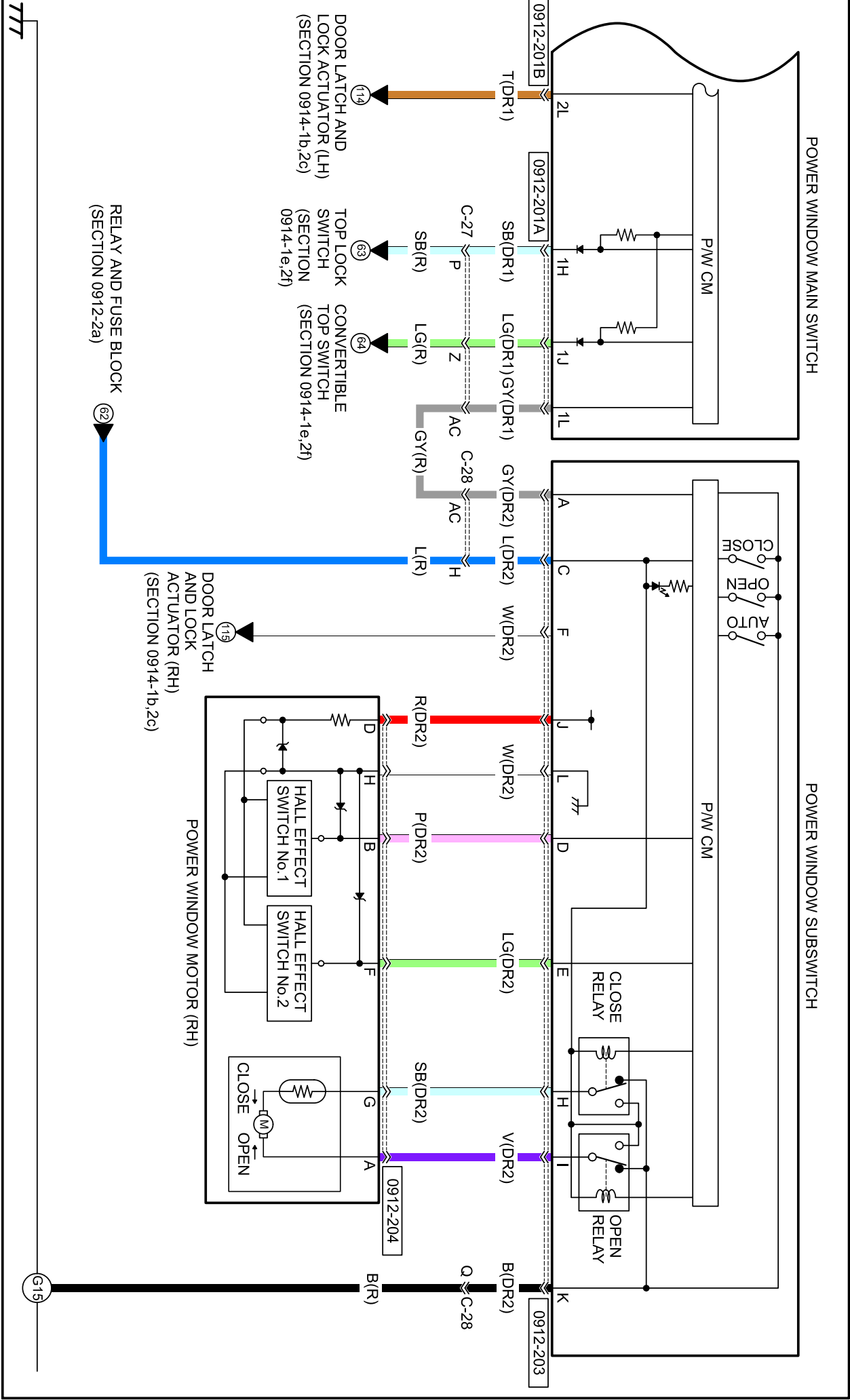




2016 Mazda MX-5
POWER WINDOW SYSTEM

0912-2b

0912-201A POWER WINDOW MAIN SWITCH / DOOR LOCK SWITCH (LH)	0912-201B POWER WINDOW MAIN SWITCH / POWER OUTER MIRROR SWITCH / DOOR LOCK SWITCH (LH)	0912-203 POWER WINDOW SUBSWITCH	0912-204 POWER WINDOW MOTOR (RH)
1L 1J 1H 1F 1D 1B R R R R R R BR GY 1K 1I 1G 1E 1C 1A SB LG SB BR G L BR 1K 1G 1E 1C 1A SB 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A BR 1I 1G 1E 1C 1A G 1I 1G 1E 1C 1A L 1I 1G 1E 1C 1A	2N 2L 2J 2H 2F 2D 2B R R R R R R 2M 2K 2I 2G 2E 2C 2A R R R R R R BR 1K 1G 1E 1C 1A SB 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A BR 1I 1G 1E 1C 1A G 1I 1G 1E 1C 1A L 1I 1G 1E 1C 1A	L 1J H F D B R R R R R R B V 1K 1I 1G 1E 1C 1A W R SB W P 1A B 1K 1G 1E 1C 1A W 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A W 1I 1G 1E 1C 1A P 1I 1G 1E 1C 1A 1A 1I 1G 1E 1C 1A	G N N N A N SB W H F D B V R N LG R N P N
2N 2L 2J 2H 2F 2D 2B R R R R R R 2M 2K 2I 2G 2E 2C 2A R R R R R R BR 1K 1G 1E 1C 1A SB 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A BR 1I 1G 1E 1C 1A G 1I 1G 1E 1C 1A L 1I 1G 1E 1C 1A	L 1J H F D B R R R R R R B V 1K 1I 1G 1E 1C 1A W R SB W P 1A B 1K 1G 1E 1C 1A W 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A W 1I 1G 1E 1C 1A P 1I 1G 1E 1C 1A 1A 1I 1G 1E 1C 1A	G N N N A N SB W H F D B V R N LG R N P N	
L 1J H F D B R R R R R R B V 1K 1I 1G 1E 1C 1A W R SB W P 1A B 1K 1G 1E 1C 1A W 1I 1G 1E 1C 1A SB 1I 1G 1E 1C 1A W 1I 1G 1E 1C 1A P 1I 1G 1E 1C 1A 1A 1I 1G 1E 1C 1A	G N N N A N SB W H F D B V R N LG R N P N		
G N N N A N SB W H F D B V R N LG R N P N			

2N

2J

2H

2F

2D

2B

R

R

R

R

R

R

2N

2K

2I

2G

2E

2C

2A

R

R

R

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1J

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R

R

R

R

R

G

N

N

N

A

N

SB

W

H

F

D

B

V

R

N

LG

R

N

P

N

Power window main switch terminal voltage table (reference)

Terminal	Measurement condition	Voltage (V)
1H	Convertible top is close	B+
	Convertible top is open	1.0 or less
1J	Convertible top is close	B+
	Convertible top is open	1.0 or less
1L	Terminal used for communication therefore determination based on terminal voltage is not possible.	
2L	Door is close	B+
	Door is open	1.0 or less

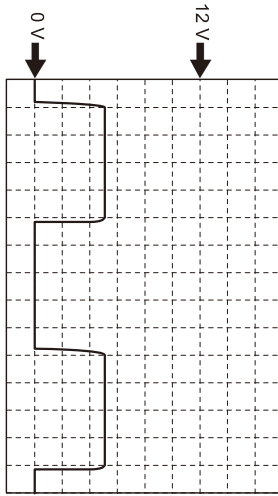
Power window subswitch terminal voltage table (reference)

Terminal	Measurement condition	Voltage (V)
A	Terminal used for communication therefore determination based on terminal voltage is not possible.	
C	Under any condition	B+
D	Door glass (passenger's side) is operating	Wave pattern (See Inspection Using an Oscilloscope (Reference))
E	Door glass (passenger's side) is performing open operation	Wave pattern (See Inspection Using an Oscilloscope (Reference))
F	Door is close	B+
	Door is open	1.0 or less

H	Door glass is performing close operation	B+
	Door glass is performing close operation during approx. 40 s after ignition is switched from ON (engine off or on) to off	
	Other	1.0 or less
I	Door glass is performing open operation	B+
	Door glass is performing open operation during approx. 40 s after ignition is switched from ON (engine off or on) to off	
	Other	1.0 or less
J	Ignition is switched ON (engine off or on)	B+
	Ignition is switched off (LOCK)	1.0 or less
K	Under any condition	1.0 or less
L	Under any condition	1.0 or less

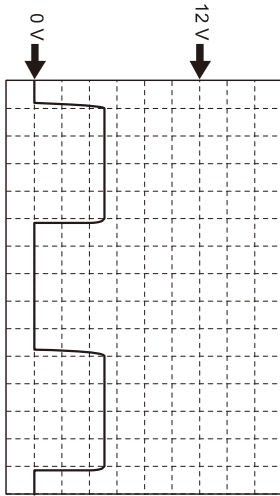
Power window motor

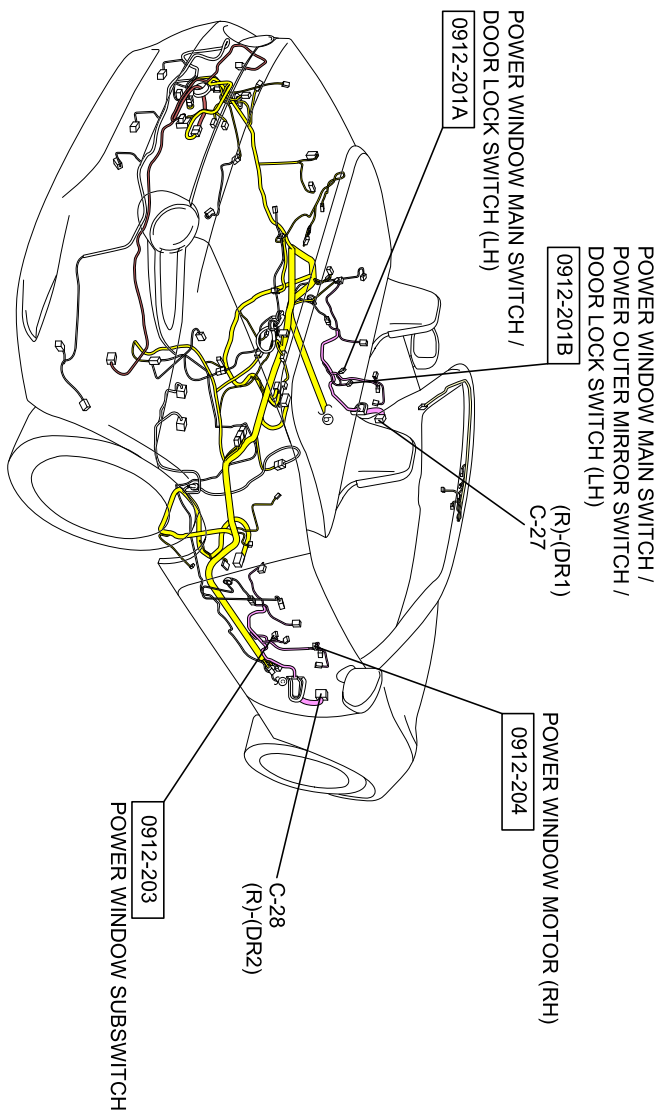
- Passenger-side
- Terminal:
B(+), F(+) ↔ ground (-)
- Oscilloscope setting: 2 V/DIV (Y), 1 ms/DIV (X), DC range



Inspection using an oscilloscope (reference)

- Connection terminal:
D (+) ↔ body ground (-)
- E (+) ↔ body ground (-)
- Oscilloscope setting: 2 V/DIV (Y), 1 ms/DIV (X), DC range





- FRONT HARNESS
- EMISSION HARNESS
- REAR HARNESS
- REAR No.4 HARNESS
- DOOR HARNESS
- INTERIOR LIGHT No.2 HARNESS

