POWER WINDOW CONTROL SYSTEM

TROUBLESHOOTING

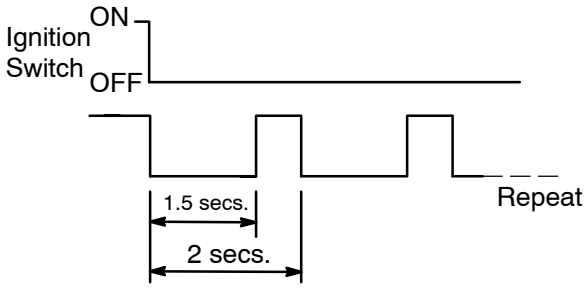
BE1EU–01

1	**One touch power window does not move up and down.**

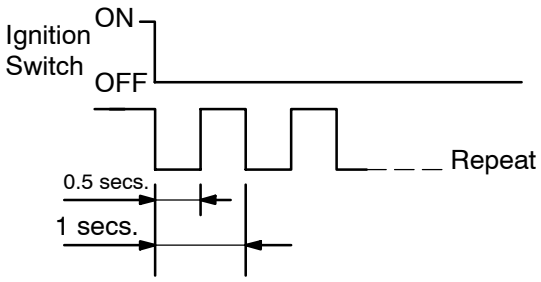
After turning the ignition switch ON and power window switch UP or DOWN check that the master and regulator switch AUTO light blinks.

• Error is classified into the following 3 types according to the way of blinking.

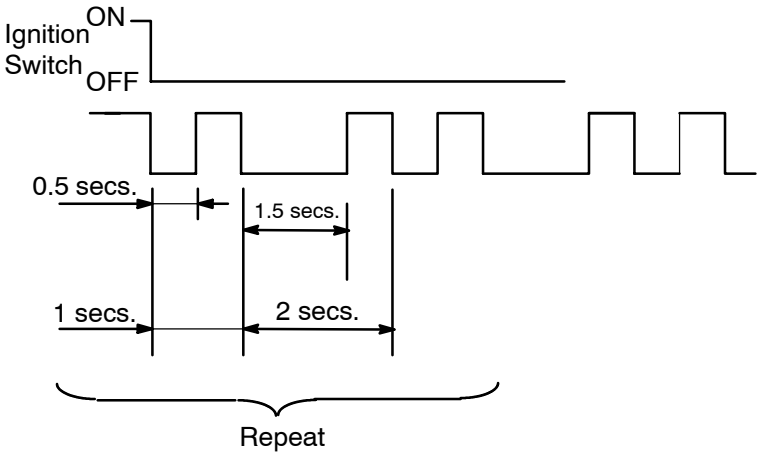
① Limit switch error



② Pulse sensor error



③ Limit switch/Pulse sensor synchronize error



< Reference > • When the ignition switch is turned OFF after the AUTO light starts blinking, the blinking will stop 43 sec. later.
• When the ignition switch is turned ON after that, the AUTO light will start blinking again.

blinks in the ① way

Remove the master switch.
(Connector connection condition)

Open the fully closed window glass of the driver's door and check the change of the voltage between terminal 13(14) and 15 of the master switch
Fully opened : 0V
Fully closed : 10–14V
( ) : RHD models

NG

OK

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blinks in the ② or ③ way

No

Master switch defective

Disconnect the connecters of master switch and driver's power window motor.

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Master switch defective

Does continuity exist between connector terminals on the vehicle side?
Master switch side ↔ Motor side
14, *13 (PLS) terminal ↔4, *3 terminal
13, *14 (LMT) terminal ↔3, *4 terminal
15 (SGND) terminal ↔ 5 terminal
*: RHD models

No

Yes

Wire harness defective (open)

Does continuity exist between 13, 14, and 15 terminals on the master switch side or 3, 4, and 5 terminals on the motor side and body ground?

Yes

No

Wire harness defective (short)

Connect the connector of power window motor.

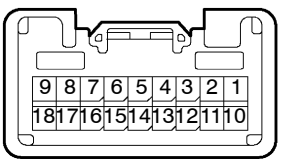
Yes

Connect the normal master switch, do AUTO UP and AUTO DOWN operations work?

No

Power window motor defective.

Power Window Master Switch



N

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2 During AUTO UP operation, the power window moves down.

When operating AUTO UP with the ignition switch ON, is there a cause of increasing friction resistance at the inverse position?
- Yes → Disassemble the door and repair or replace the applicable part.
- No ↓

Remove the power window regulator assembly.

Does the window operate smoothly when moving the window up manually after assembling?
- No → Check and replace door glass run.
- Yes ↓

Remove the power window motor from the power window regulator assembly.

When operating the power window regulator manually, does the regulator move smoothly?
Are gears not damaged?
- No → Power window regulator defective.
- Yes ↓

Does window motor rotate smoothly?
- No → Power window motor defective.
- Yes ↓

Reset the limit switch. (See page BE–73)

Does the window move normally?
- Yes → Normal (Check the function.)
- No ↓

Master switch defective.

3	The DOWN function does not work though some other objects are caught in the power window glass.

