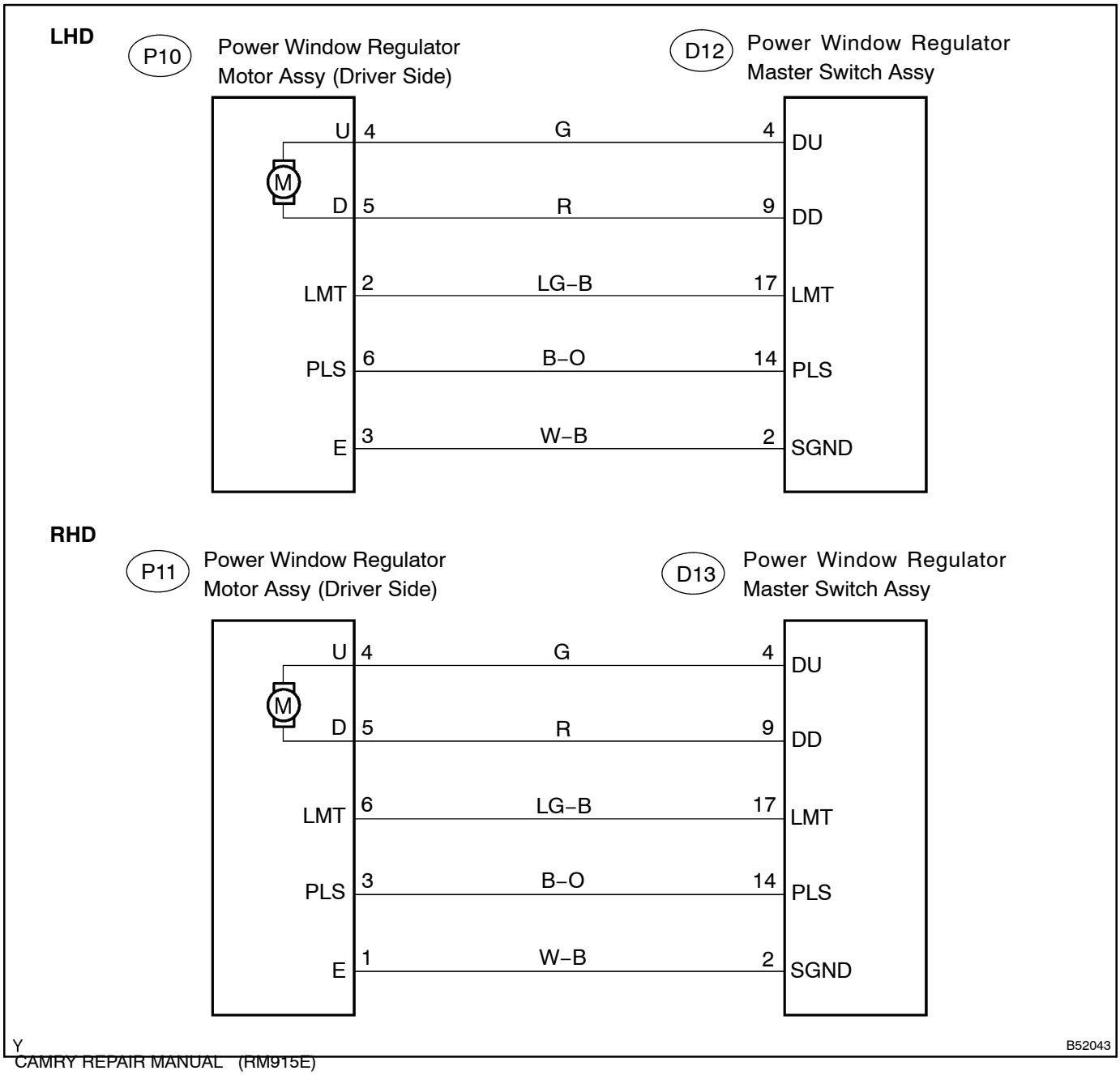
# DRIVER'S DOOR WINDOW GOES DOWN DURING AUTO UP OPERATION

HINT:
In the LHD vehicle, work in the same procedure as in the RHD vehicle.

## CIRCUIT DESCRIPTION

The power window regulator master switch assembly controls the driver's power window. With the limit switch ON, when the pulse change in the pulse sensor that detects the motor revolution with in the operation range of the jam protection, it is recognized as something being caught and so the motor operation will be recessed. This also occurs when the limit switch OFF position and the door glass full–closed position are not in place by replacing and installing the motor. If this occurs, reset the driver's power window regulator motor (initial position setting of the limit switch).

## WIRING DIAGRAM

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## INSPECTION PROCEDURE

| 1 | CHECK SLIDING RESISTANCE AT REVERSING POSITION |
|---|---|

(a) Turn the ignition switch ON.
(b) Check the point that the sliding resistance of the door glass increases around the reverse position when operating the AUTO UP function.

**NG** → **REPAIR OR REPLACE APPLICABLE PART**

**OK**

| 2 | CHECK SLIDING RESISTANCE OF DOOR GLASS |
|---|---|

(a) Remove the window regulator.
(b) When raising the assembled door glass by hand, the glass slides smoothly without being caught.

**NG** → **REPAIR OR REPLACE APPLICABLE PART**

**OK**

| 3 | CHECK FRONT DOOR WINDOW REGULATOR SUB–ASSY |
|---|---|

(a) Remove the power window regulator motor from the window regulator.
(b) Check that the movement of the window regulator is smooth without being caught and no damage exists in the gear part when moving the window regulator by hand.

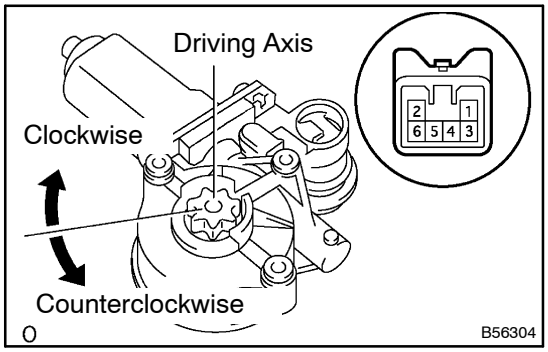
**NG** → **REPLACE FRONT DOOR WINDOW REGULATOR SUB–ASSY**

**OK**

| 4 | INSPECT POWER WINDOW REGULATOR MOTOR ASSY |
|---|---|

**NOTICE:**

- **Be sure not to apply the battery voltage to terminals 1, 3 and 6 of the power window regulator motor assy RH connector, because it might damage the pulse sensor and the limit switch.**
- **Be sure to reset the power window regulator motor assembly (initial position setting of the limit switch) when the power window regulator motor assy RH is installed to the regulator.**




(a) Check the operation of power window regulator motor (driver side).

(1) When adding the battery voltage to each connector terminal, check that the motor operates smoothly.

**Standard:**

| Battery connection (Battery – Motor) | Operational direction |
|---|---|
| Positive – 5<br>Negative – 4 | Clockwise rotation toward driving axis |
| Positive – 4<br>Negative – 5 | Counterclockwise rotation toward driving axis |

(b) Check the PTC operation inside power window regulator motor.

**NOTICE:**

**Work must be performed with the power window regulator and door glass installed to the vehicle.**

(1) Set the DC 400 A probe to terminal 4 or 5 of the wire harness.

**NOTICE:**

**Match the arrow mark of the probe with the current direction.**

(2) Set the door glass at the fully closed position.

(3) When approximately 60 seconds have passed after fully closing it, check the time that the current when pressing the power regulator switch UP again (at initial time) changes from approximately 16 to 34 A to less than 1 A.

**Standard: Approximately 4 – 90 seconds**

(4) When approximately 60 seconds have passed after the cutoff checking, check that the door glass will go down when the power regulator switch is pressed DOWN.

HINT:

In the LHD vehicle, work in the same procedure as in the RHD vehicle.(See page 70–2)

NG → **REPLACE POWER WINDOW REGULATOR MOTOR ASSY**

OK

| 5 | RESET POWER WINDOW REGULATOR MOTOR (See page 75–8) |
|---|---|

NG → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

OK

**NORMAL**