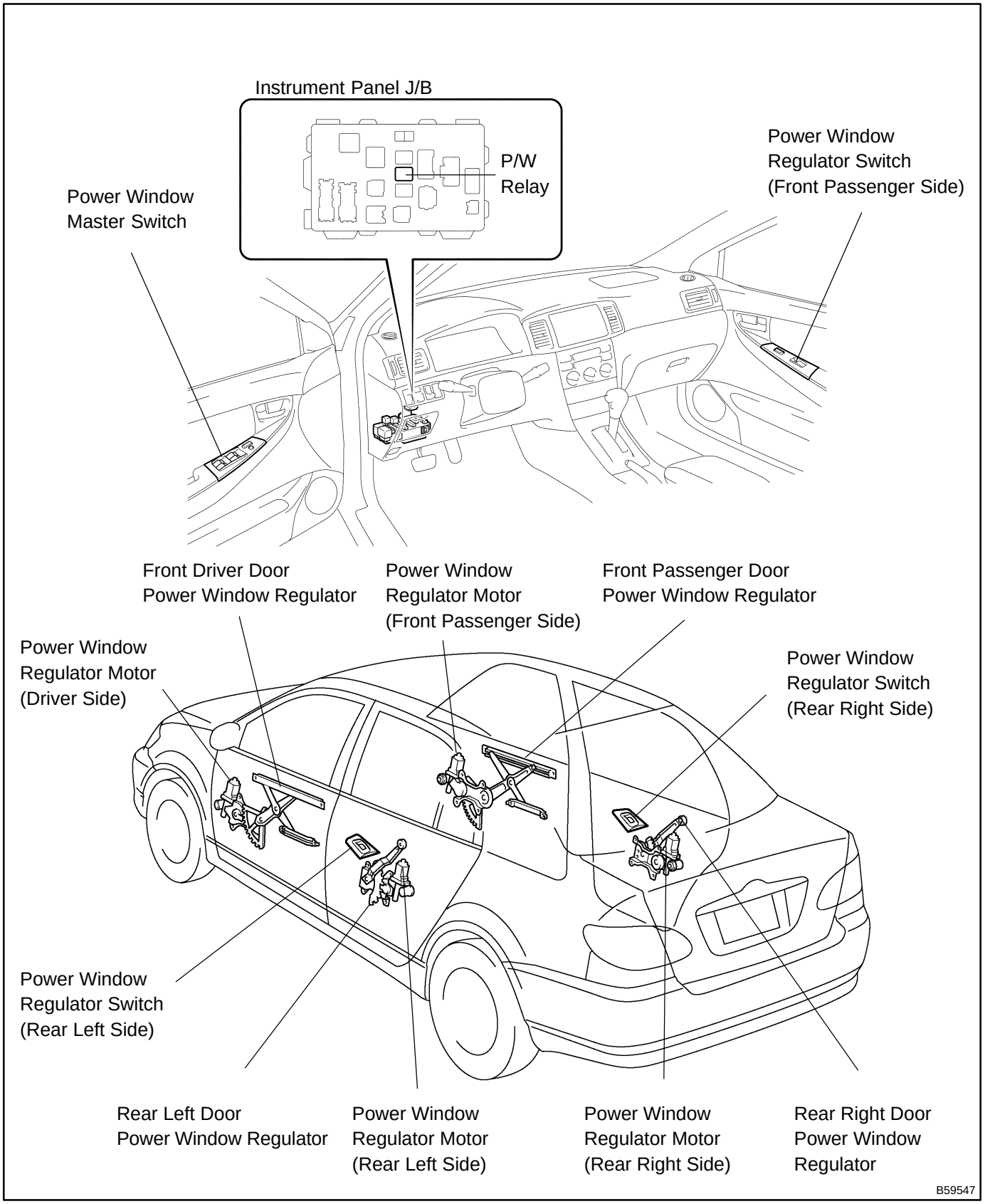
POWER WINDOW CONTROL SYSTEM

700GJ–01

LOCATION



700GK–01

ON–VEHICLE INSPECTION

1. CHECK BASIC FUNCTION (MANUAL OPERATION FUNCTION)

(a) Turn the ignition switch ON.
   (1) Check that the door glass moves up when each window switch of the regulator master switch assembly is turned UP and moves down when each window switch is turned DOWN.
   (2) Check that the door glass moves up when the window switch of each regulator switch assembly is turned UP and moves down when the window switch is turned DOWN.
   (3) Check that the other door glasses than the driver's door glass do not operate when the window lock switch is turned LOCK.

2. CHECK AUTOMATIC OPERATION FUNCTION

(a) Turn the ignition switch ON.
   (1) Check that the AUTO DOWN operates and the door glass is fully opened when each window switch of the regulator master switch assembly is turned DOWN by double–shift.
   (2) Check that the AUTO DOWN operates and the door glass is fully opened when the window switch of each regulator switch assembly is turned DOWN by double–shift.
   (3) Check that the door glass stops when the applicable switch is turned UP during the AUTO DOWN operation. (However, if the switch is kept in the UP side, the window will transfer to the manual operation.)

700GL–01

PROBLEM SYMPTOMS TABLE

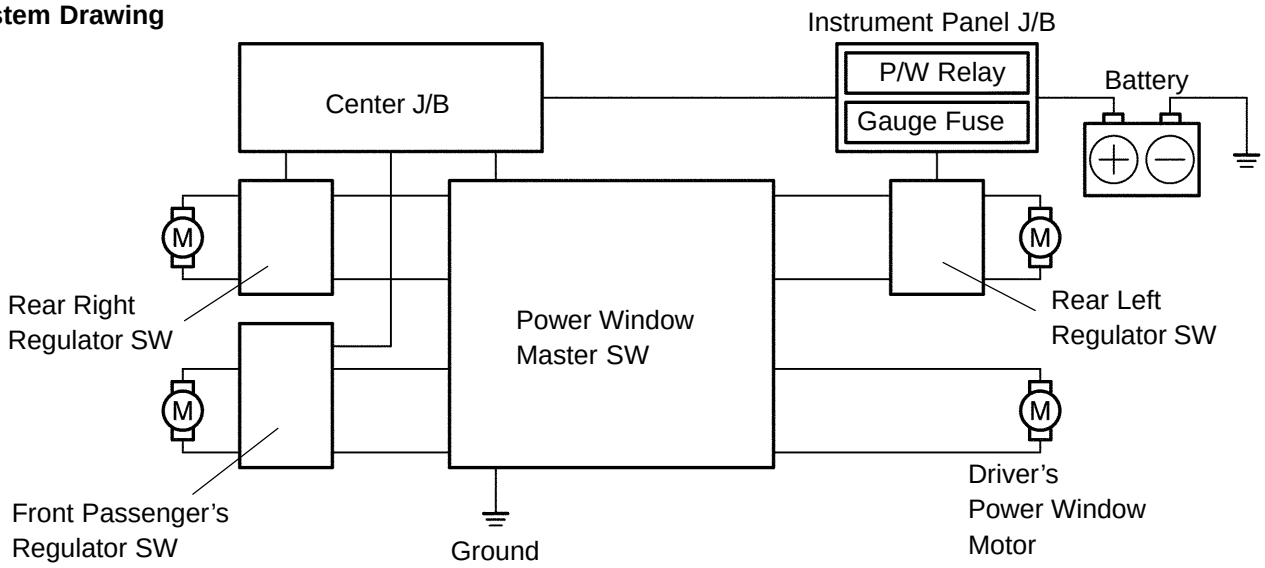
Symptom	Suspected Area	See page
Power window does not operate (ALL) (Power door lock does not operate)	1. P/W fuse 2. IG1 relay 3. Gauge fuse 4. Wire harness	– 68–1 – –
Power window does not operate (ALL) (Power door lock is normal)	1. Ignition switch 2. Power window master switch 3. Wire harness 4. Power window motor	80–2 70–4 – 70–4
”One–Touch Power Window System” does not operate	1. Power window master switch 2. Power window motor	70–4 70–4
Only one window glass does not move	1. Power window master switch 2. Power window regulator switch 3. Power window motor 4. Wire harness	70–4 70–4 70–4 –
”Window Lock System” does not operate	1. Power window master switch	70–4

700GM–01

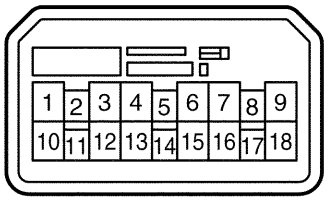
INSPECTION

1. POWER WINDOW SYSTEM CIRCUIT

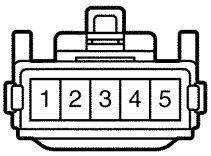
System Drawing



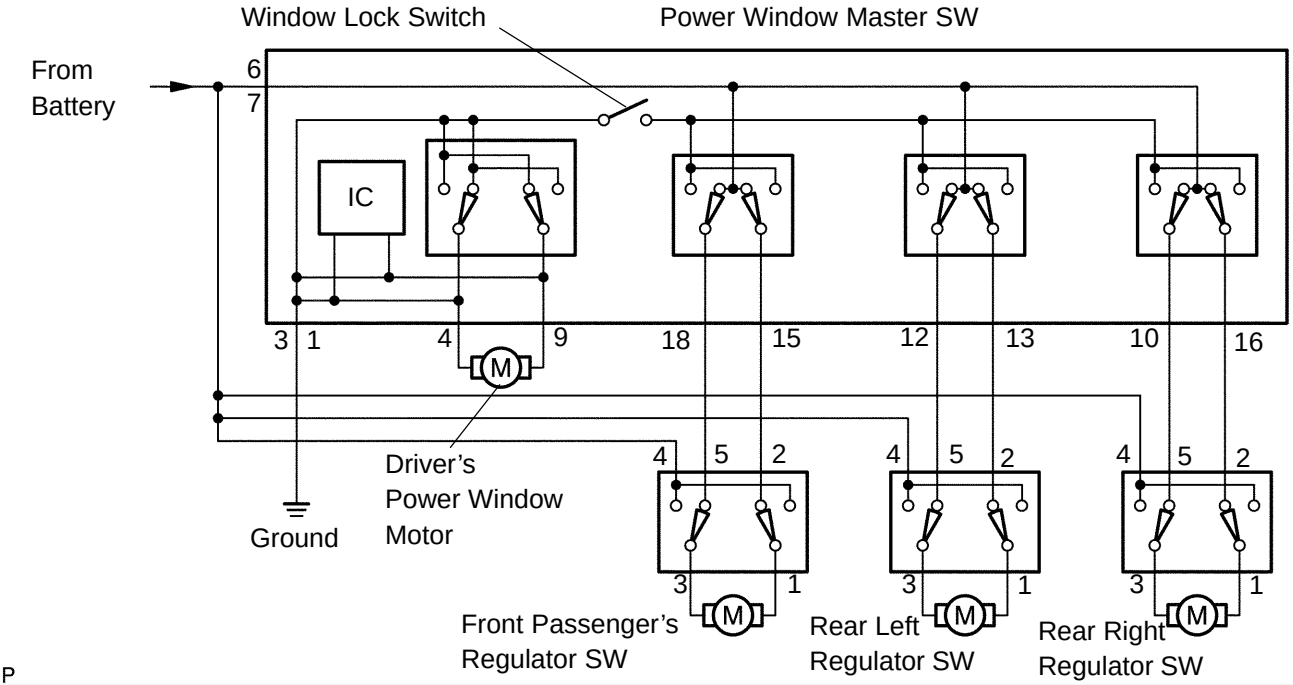
Power Window Master SW Connector
(Wire Harness Side)



Power Window Regulator SW Connector
(Wire Harness Side)

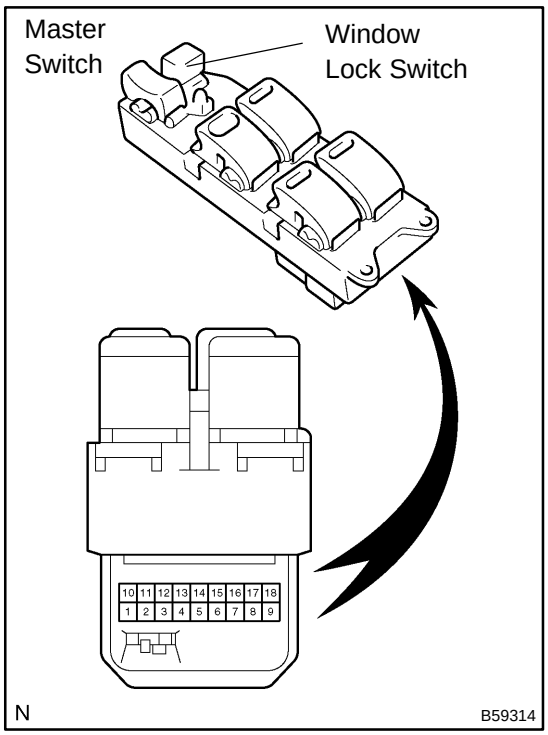


Switch Inner Circuit



P

B59862



2. INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

(a) Inspect the master switch continuity.

[Driver's switch (Window unlock and lock)]

Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	DU (4) ⇔ B (6) ⇔ B (7)	Continuity
	E (1) ⇔ E (3) ⇔ DD (9)	
OFF	E (1) ⇔ E (3) ⇔ DU (4)	Continuity
	E (1) ⇔ E (3) ⇔ DD (9)	
DOWN	E (1) ⇔ E (3) ⇔ DU (4)	Continuity
	B (6) ⇔ B (7) ⇔ DD (9)	
AUTO DOWN	E (1) ⇔ E (3) ⇔ DU (4)	Continuity
	B (6) ⇔ B (7) ⇔ DD (9)	

[Front passenger's switch (Window unlock)]

Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	E (1) ⇔ E (3) ⇔ PD (15)	Continuity
	B (6) ⇔ B (7) ⇔ PU (18)	
OFF	E (1) ⇔ E (3) ⇔ PD (15)	Continuity
	E (1) ⇔ E (3) ⇔ PU (18)	
DOWN	E (1) ⇔ E (3) ⇔ PU (18)	Continuity
	B (6) ⇔ B (7) ⇔ PD (15)	

[Front passenger's switch (Window lock)]

Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	B (6) ⇔ B (7) ⇔ PU (18)	Continuity
OFF	PD (15) ⇔ PU (18)	Continuity
DOWN	B (6) ⇔ B (7) ⇔ PD (15)	Continuity

[Rear left switch (Window unlock)]

Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	E (1) ⇔ E (3) ⇔ RLD (13)	Continuity
	B (6) ⇔ B (7) ⇔ RLU (12)	
OFF	E (1) ⇔ E (3) ⇔ RLD (13)	Continuity
	E (1) ⇔ E (3) ⇔ RLU (12)	
DOWN	E (1) ⇔ E (3) ⇔ RLU (12)	Continuity
	B (6) ⇔ B (7) ⇔ RLD (13)	

[Rear left switch (Window lock)]

Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	B (6) ⇔ B (7) ⇔ RLU (12)	Continuity
OFF	RLU (12) ⇔ RLD (13)	Continuity
DOWN	B (6) ⇔ B (7) ⇔ RLD (13)	Continuity

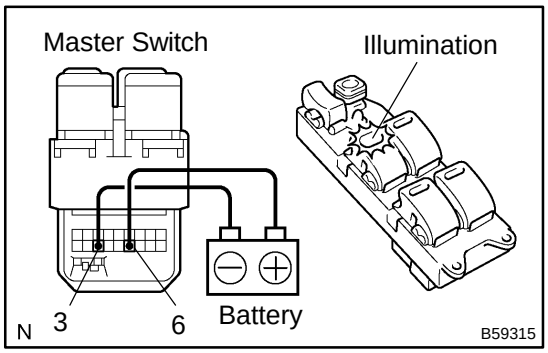
[Rear right switch (Window unlock)]
Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	B (6) ⇔ B (7) ⇔ RRU (10)	Continuity
	E (1) ⇔ E (3) ⇔ RRD (16)	
OFF	E (1) ⇔ E (3) ⇔ RRU (10)	Continuity
	E (1) ⇔ E (3) ⇔ RRD (16)	
DOWN	E (1) ⇔ E (3) ⇔ RRU (10)	Continuity
	B (6) ⇔ B (7) ⇔ RRD (16)	

[Rear right switch (Window lock)]
Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	B (6) ⇔ B (7) ⇔ RRU (10)	Continuity
OFF	RRU (10) ⇔ RRD (16)	Continuity
DOWN	B (6) ⇔ B (7) ⇔ RRD (16)	Continuity

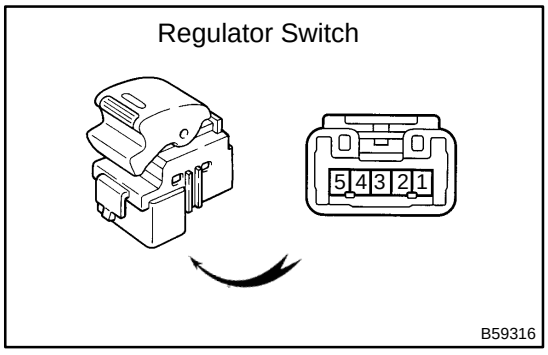
If the result is not as specified, replace the master switch.



(b) Inspect the master switch illumination.
Standard:

Measuring condition	Specified condition
Battery positive (+) Terminal – 6 Battery negative (–) Terminal – 3	Switch illumination lights up

If the result is not as specified, replace the master switch.



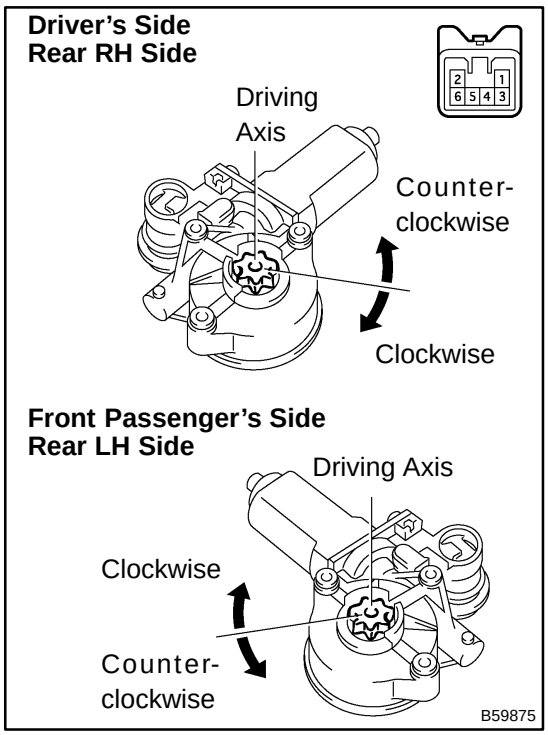
3. INSPECT POWER WINDOW REGULATOR SWITCH ASSY

HINT:
All the regulator switches (front passenger's, rear left, rear right) should be inspected in the same procedure.

(a) Inspect the regulator switch continuity.
Standard:

Switch position	Symbols (Terminal No.)	Specified condition
UP	D (1) ⇔ SD (2)	Continuity
	U (3) ⇔ B (4)	
OFF	D (1) ⇔ SD (2)	Continuity
	U (3) ⇔ SU (5)	
DOWN	D (1) ⇔ B (4)	Continuity
	U (3) ⇔ SU (5)	

If the result is not as specified, replace the regulator switch.



4. INSPECT POWER WINDOW REGULATOR MOTOR

(a) Inspect the regulator motor operation.

HINT:

- Driver's side and rear RH regulator motors should be inspected in the same procedure.
- Passenger's side and rear LH regulator motors should be inspected in the same procedure.

(1) Check that the motor operates smoothly when the battery positive voltage is applied to each terminal of the connector.

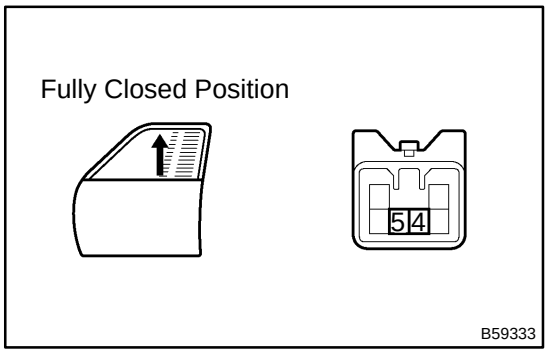
Standard [Driver's side and rear RH side]:

Measuring condition	Operational direction
Battery positive (+) Terminal – 4 Battery negative (–) Terminal – 5	Clockwise toward driving axis
Battery positive (+) Terminal – 5 Battery negative (–) Terminal – 4	Counterclockwise toward driving axis

Standard [Front passenger's side and rear LH side]:

Measuring condition	Operational direction
Battery positive (+) Terminal – 5 Battery negative (–) Terminal – 4	Clockwise toward driving axis
Battery positive (+) Terminal – 4 Battery negative (–) Terminal – 5	Counterclockwise toward driving axis

If the result is not as specified, replace the motor.



(b) Inspect the PTC operation inside the regulator motor.

NOTICE:

The inspection should be performed with the power window regulator and door glass installed to the vehicle.

(1) Set a DC 400 A probe of the TOYOTA electrical tester in the wire harness of terminal 4 or 5.

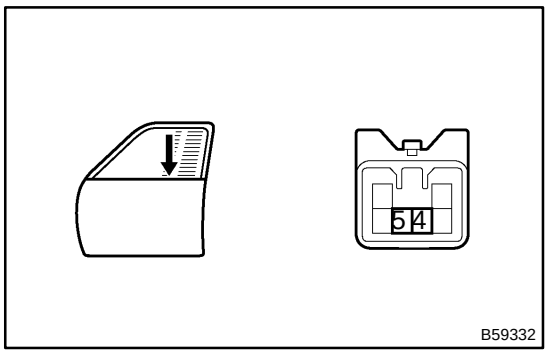
NOTICE:

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

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

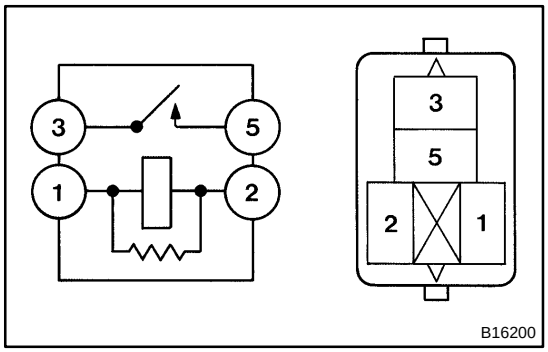
(3) When 60 seconds have elapsed after the door glass is fully closed, check how long it takes for the current to change from approximately 16 – 34 A into 1 A or less when the power window switch is turned UP once again.

Standard: Approximately 4 – 90 seconds



(4) When approximately 60 seconds have elapsed after the inspection of the current cut–off, check that the door glass goes down when the power window regulator switch is turned DOWN.

If the result is not as specified, replace the motor.



5. INSPECT RELAY (Making: P/W)

(a) Remove the power window relay from the instrument panel J/B.

(b) Inspect the power window relay.

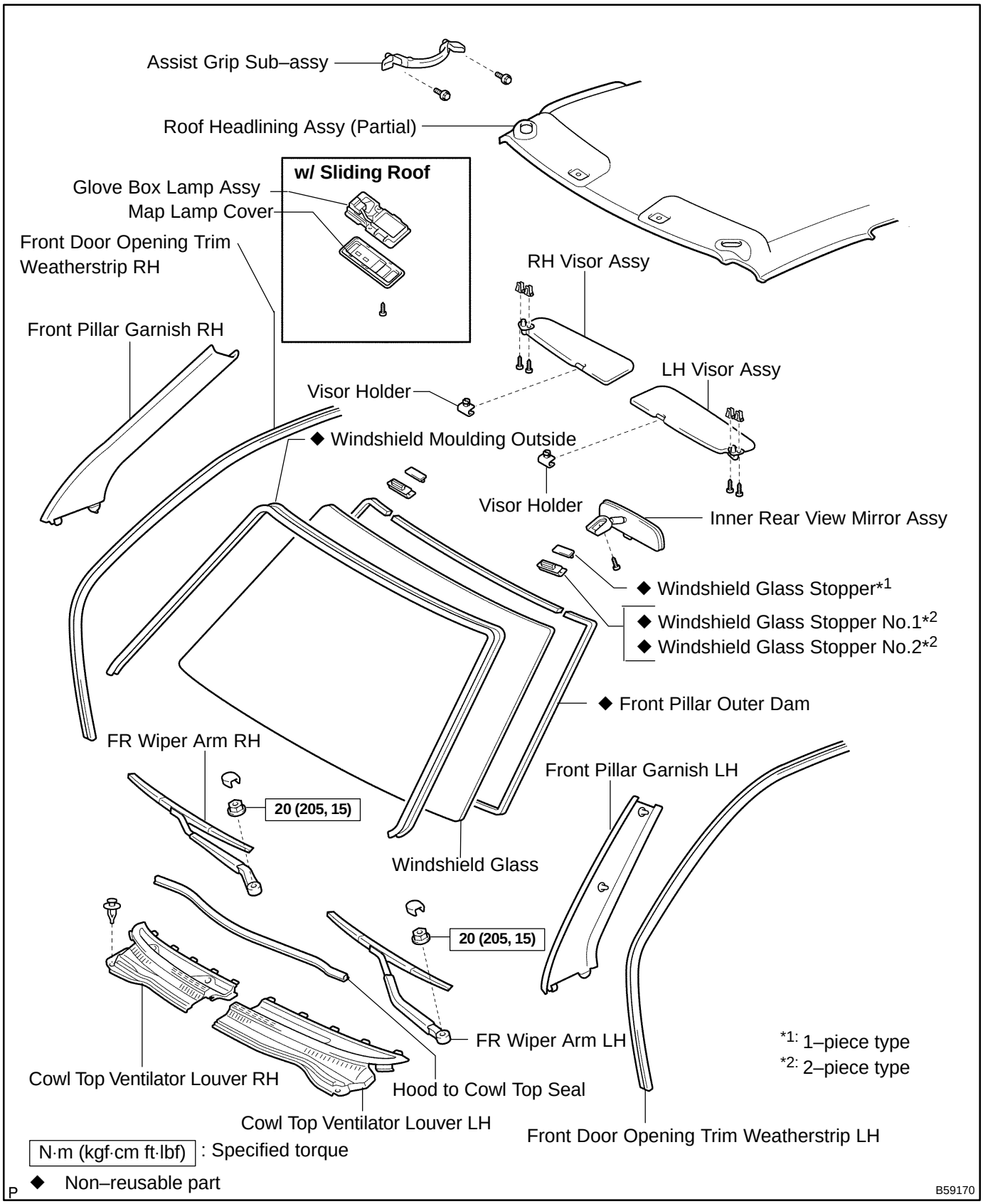
Condition	Terminal No.	Specified condition
Constant	1 ⇔ 2	Continuity
Apply B+ between Terminals 1 and 2	3 ⇔ 5	Continuity

If the result is not as specified, replace the relay.

WINDSHIELD GLASS

COMPONENTS

700GN–01



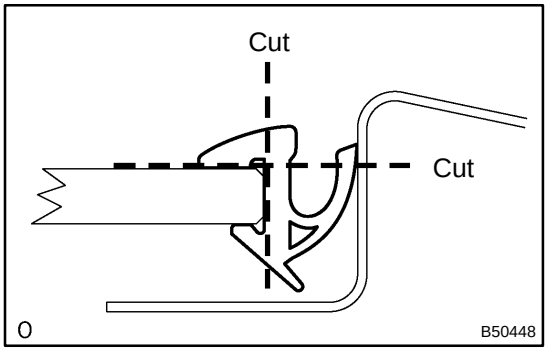
700GO–01

REPLACEMENT

HINT:

Installation is according to the reverse order of the removal.

1. **REMOVE FR WIPER ARM RH (See page 66–6)**
2. **REMOVE FR WIPER ARM LH (See page 66–6)**
3. **REMOVE HOOD TO COWL TOP SEAL (See page 66–6)**
4. **REMOVE COWL TOP VENTILATOR LOUVER LH (See page 66–6)**
5. **REMOVE COWL TOP VENTILATOR LOUVER RH (See page 66–6)**
6. **REMOVE FRONT DOOR WEATHERSTRIP RH (See page 76–21)**
7. **REMOVE FRONT DOOR WEATHERSTRIP LH (See page 76–21)**
8. **REMOVE FRONT PILLAR GARNISH RH (See page 76–21)**
9. **REMOVE FRONT PILLAR GARNISH LH (See page 76–21)**
10. **REMOVE INNER REAR VIEW MIRROR ASSY (See page 70–27)**
11. **REMOVE RH VISOR ASSY (See page 76–21)**
12. **REMOVE LH VISOR ASSY (See page 76–21)**
13. **REMOVE GLOVE BOX LAMP ASSY (See page 76–21)**
14. **REMOVE ASSIST GRIP SUB–ASSY (See page 76–21)**
15. **REMOVE VISOR HOLDER (See page 76–21)**
16. **REMOVE ROOF HEADLINING ASSY (See page 76–21)**
17. **REMOVE ROOF DRIP SIDE FINISH MOULDING CENTER RH (See page 76–17)**
18. **REMOVE ROOF DRIP SIDE FINISH MOULDING CENTER LH (See page 76–17)**



19. REMOVE WINDSHIELD MOULDING OUTSIDE

(a) Using a knife, cut off the moulding as shown in the illustration.

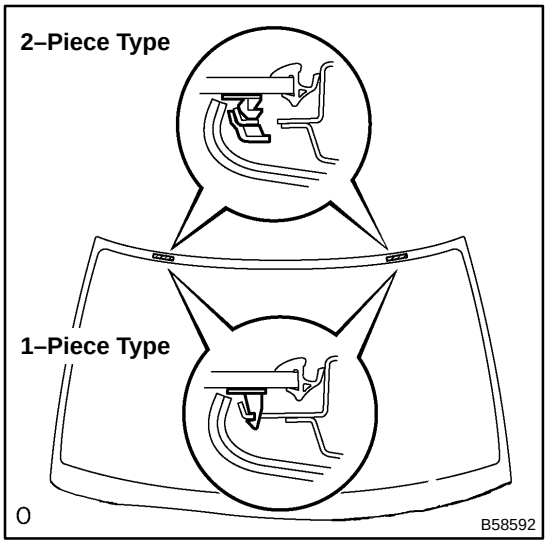
NOTICE:

Do not damage the body with the knife.

(b) Remove the remaining moulding.

HINT:

When removing, make a cut partly, pull and remove it by hand.



20. REMOVE WINDSHIELD GLASS

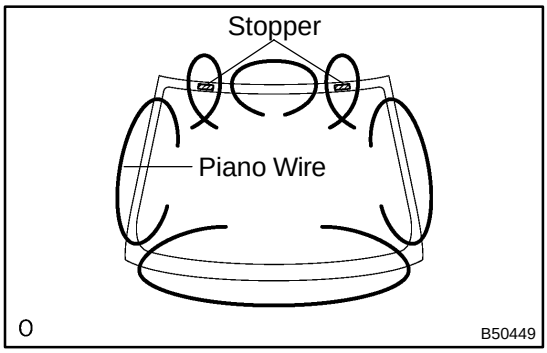
HINT:

Depending on a vehicle type, either a 1–piece type or a 2–piece type of stopper is installed.

(a) Push a piano wire through between the body and glass from the interior.

HINT:

Apply protective tape to the outer surface to keep the surface from being scratched.



(b) Tie both wire ends to wooden blocks or similar objects.

NOTICE:

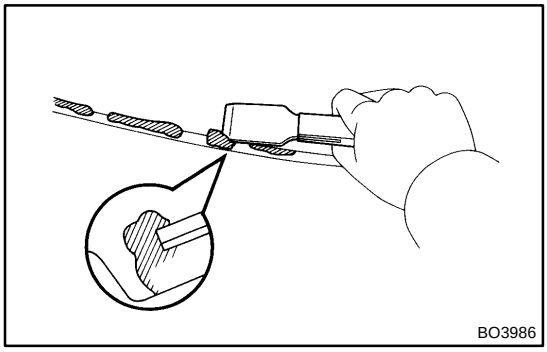
- **When separating the glass, take care not to damage the paint and interior/exterior ornaments.**
- **To prevent the piano wire to be cut, do not cross it.**

(c) Cut the adhesive by pulling the piano wire around it.

(d) Using a suction rubber, remove the glass.

NOTICE:

Leave as much adhesive on the body as possible when cutting off the glass.



21. CLEAN WINDSHIELD GLASS

(a) Using a scraper, remove the damaged stoppers, dam and adhesive sticking to the glass.

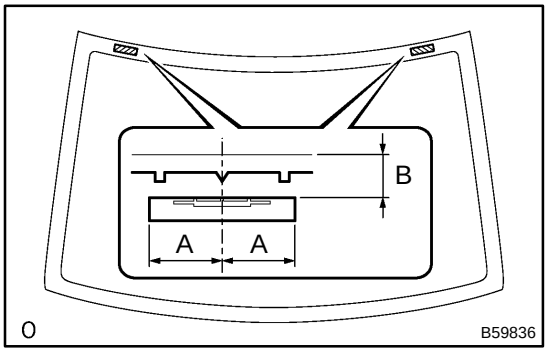
(b) Clean the outer circumference of the glass with white gasoline.

NOTICE:

- **Do not touch the glass after cleaning it.**
- **Be careful not to damage the body.**

22. INSTALL WINDSHIELD GLASS STOPPER NO.1

(a) Install 2 new windshield glass stoppers No.1 to the body.



23. INSTALL WINDSHIELD GLASS STOPPER NO.2

(a) Coat the installation part of the stopper with Primer G.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(b) Install 2 new windshield glass stoppers No.2 onto the glass as shown in the illustration.

A: 40.0 mm (1.575 in.)

B: 7.7 mm (0.303 in.)

24. INSTALL FRONT PILLAR OUTER DAM

(a) Coat the installation part of the front pillar outer dam with Primer G.

NOTICE:

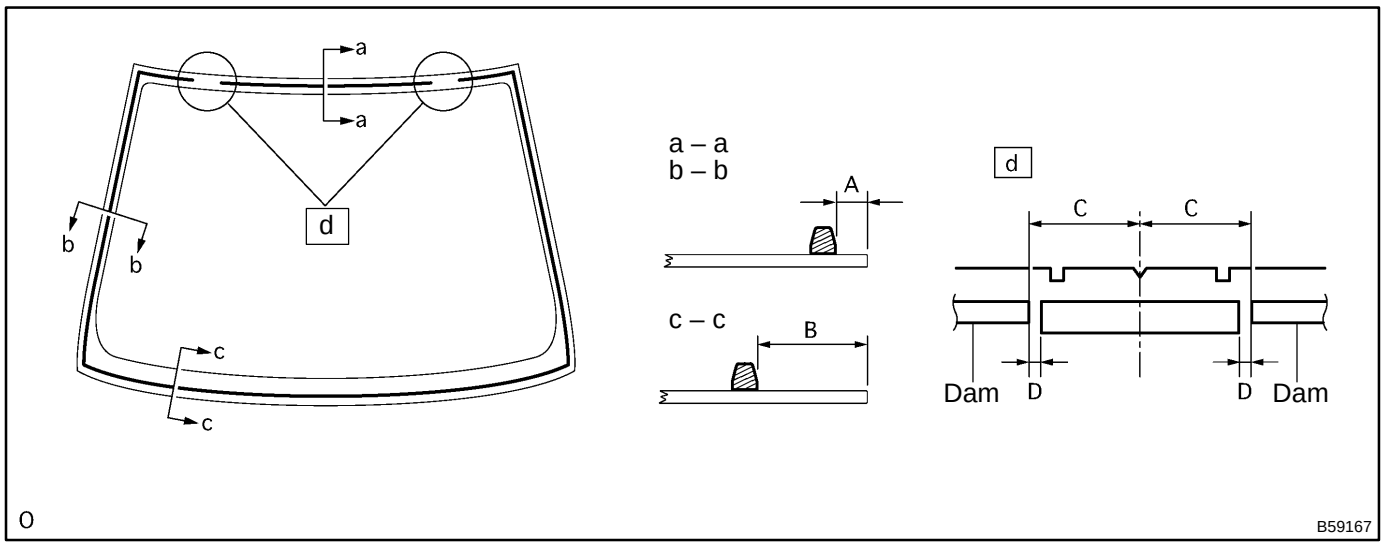
- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

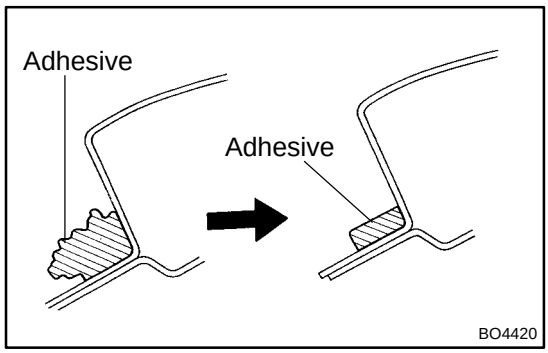
(b) Install 2 new front pillar outer dams with double–stick tape as shown in the illustration.

NOTICE:

Do not touch the glass face after cleaning it.

A: 7 mm (0.28 in.)
B: 22.5 mm (0.886 in.)
C: 45 mm (1.77 in.)
D: 5 mm (0.20 in.)





25. INSTALL WINDSHIELD GLASS

(a) Clean and shape the contact surface of the vehicle's body.

(1) Using a knife, cut away any rough areas on the body.

HINT:

Leave as much adhesive on the body as possible.

(2) Clean the cut surface of the adhesive with a piece of shop rag saturated in cleaner.

(b) Position the glass.

(1) Using a suction rubber, place the glass in the correct position.

(2) Check that all the contacting parts of the glass rim are perfectly even.

(3) Place reference marks between the glass and body.

NOTICE:

Check that the stoppers are attached to the body correctly.

HINT:

When reusing the glass, check and correct the reference mark's positions.

(4) Remove the glass.

(c) Coat the contact surface of the body panel with Primer M.

(d) Using a brush, coat the exposed part of the contact surface on the vehicle side with Primer M.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not coat the adhesive with Primer M.**
- **Do not apply too much primer.**

(e) Coat the contact surface of the glass with Primer G.

(1) Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(f) Apply adhesive.

(1) Cut off the tip of the cartridge nozzle as shown in the illustration.

Part No. 08850–00801 or equivalent

HINT:

After cutting off the tip, use all adhesive within the time described in the table below.

Temperature	Tackfree time
35°C (95°F)	15 minutes
20°C (68°F)	100 minutes
5°C (41°F)	8 hours

(2) Load the sealer gun with the cartridge.

(3) Coat the glass with adhesive, as shown in the illustration.

A: 8.0 mm (0.315 in.) or more

B: 12.5 mm (0.492 in.) or more

(g) Install the glass.

(1) Using a suction rubber, position the glass so that the reference marks are aligned, and press it in gently along the rim.

NOTICE:

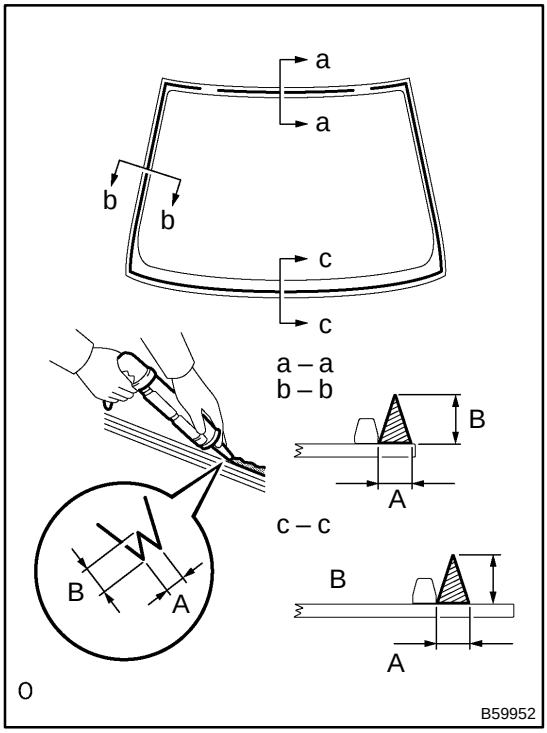
- **Dry the primer coating for 3 minutes or more.**
- **Check that the stoppers are attached to the body correctly.**
- **Check the clearance between the body and glass.**

(2) Lightly press the glass front surface for close contact.

(3) Using a scraper, remove any excess or protruding adhesive.

HINT:

Apply adhesive on the glass rim.



26. INSTALL WINDSHIELD MOULDING OUTSIDE

(a) Install a new windshield moulding to the windshield glass before the adhesive has hardened.

(b) Hold the windshield glass in place securely with protective tape or equivalent until the adhesive has completely hardened.

(c) Using a scraper, remove any excess or protruding adhesive before the adhesive has hardened.

NOTICE:

Take care not to drive the vehicle during the time described in the table below.

Temperature	Tackfree time
35°C (95°F)	1.5 hours
20°C (68°F)	5 hours
5°C (41°F)	24 hours

27. INSPECT FOR LEAK AND REPAIR

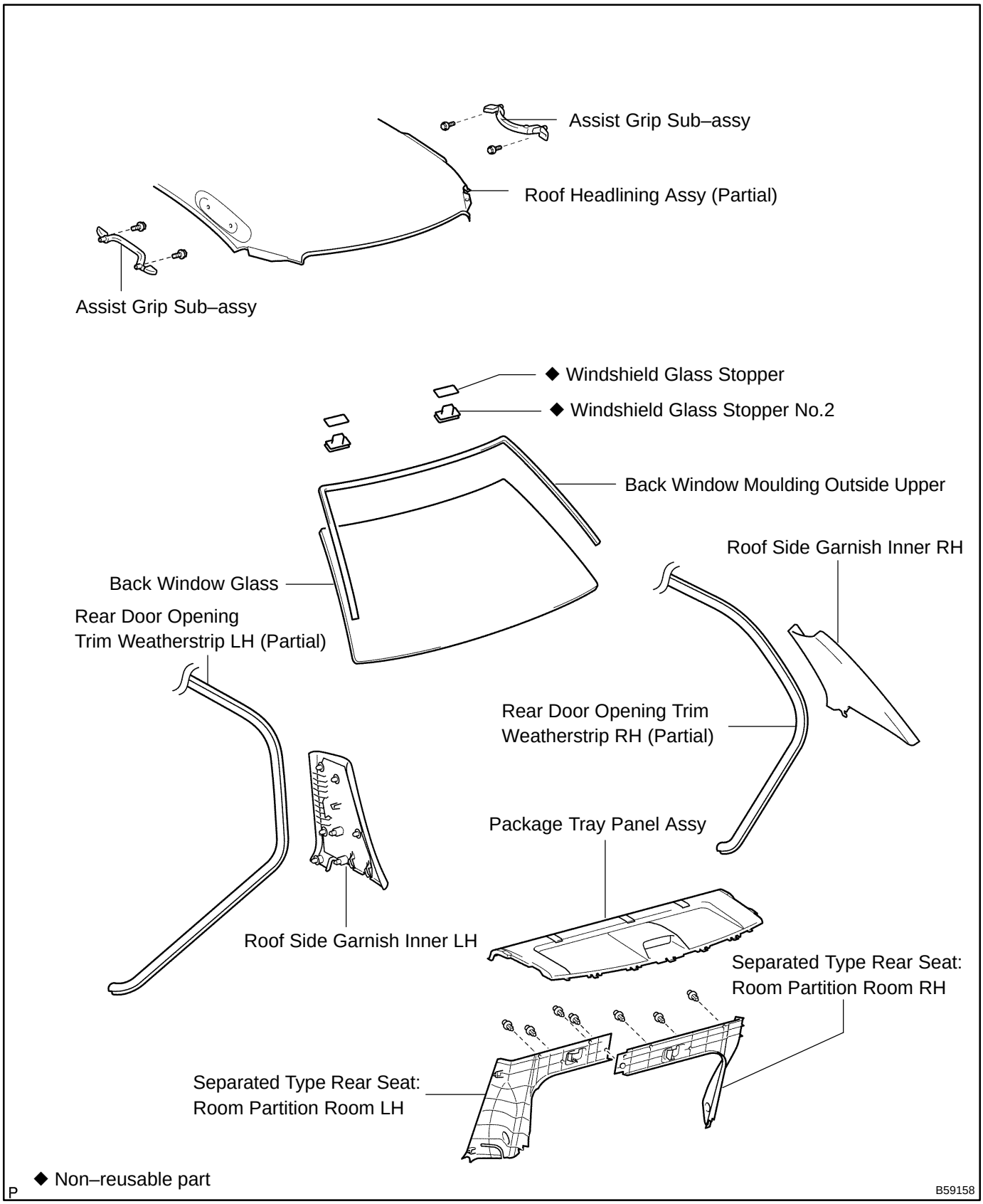
(a) Conduct a leak test after the adhesive has completely hardened.

(b) Seal any leak with sealant.

BACK WINDOW GLASS

COMPONENTS

700GP–02



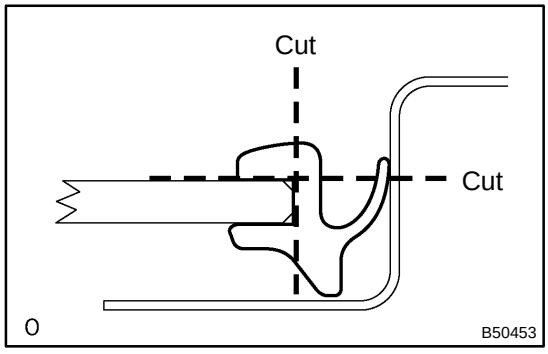
700GQ–01

REPLACEMENT

HINT:

Installation is according to the reverse order of the removal.

1. **REMOVE REAR DOOR WEATHERSTRIP RH (See page 76–21)**
2. **REMOVE REAR DOOR WEATHERSTRIP LH (See page 76–21)**
3. **REMOVE REAR SEAT CUSHION ASSY (See page 72–6, 72–8)**
4. **REMOVE REAR SEAT BACK ASSY (FIXED TYPE REAR SEAT) (See page 72–8)**
5. **REMOVE SEPARATE TYPE REAR SEAT BACK ASSY (SEPARATED TYPE REAR SEAT) (See page 72–6)**
6. **REMOVE SEPARATE TYPE REAR SEAT BACK ASSY (SEPARATED TYPE REAR SEAT) (See page 72–6)**
7. **REMOVE ROOM PARTITION BOARD RH (SEPARATED TYPE REAR SEAT)**
8. **REMOVE ROOM PARTITION BOARD LH (SEPARATED TYPE REAR SEAT)**
9. **REMOVE ROOF SIDE GARNISH INNER RH (See page 76–21)**
10. **REMOVE ROOF SIDE GARNISH INNER LH (See page 76–21)**
11. **REMOVE PACKAGE TRAY TRIM PANEL ASSY (See page 61–15)**



12. REMOVE BACK WINDOW MOULDING OUTSIDE UPPER

(a) Using a knife, cut off the moulding as shown in the illustration.

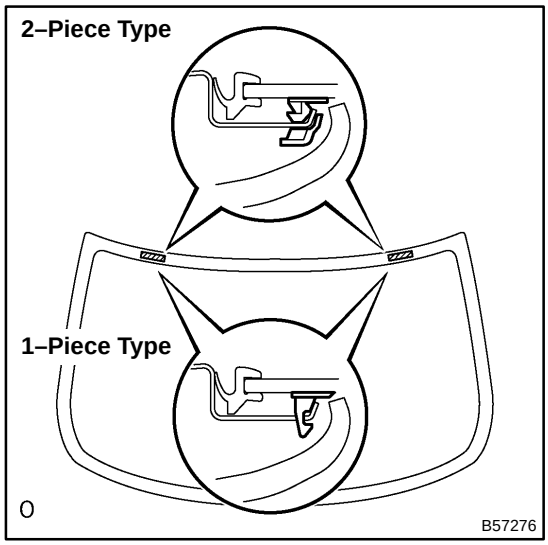
NOTICE:

Do not damage the body with the knife.

(b) Remove the remaining moulding.

HINT:

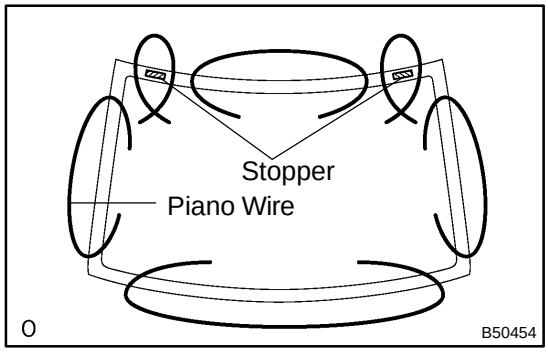
When removing, make a cut partly, pull and remove it by hand.



13. REMOVE BACK WINDOW GLASS

HINT:

Depending on a vehicle type, either a 1–piece type or a 2–piece type of stopper is installed.



(a) Push a piano wire through between the body and glass from the interior.
(b) Apply protective tape to the outer surface to keep the surface from being scratched.
(c) Tie both wire ends to wooden blocks or similar objects.

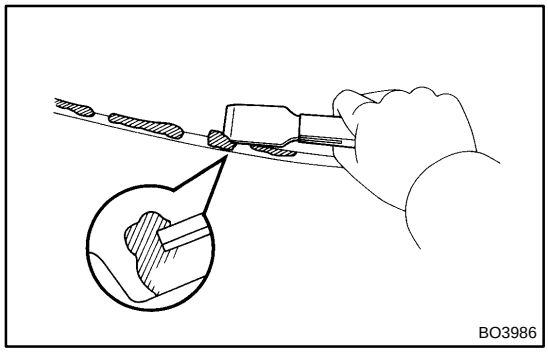
NOTICE:

- **When separating the glass, take care not to damage the paint and interior/exterior ornaments.**
- **To prevent the piano wire to be cut, do not cross it.**

(d) Cut the adhesive by pulling the piano wire around it.
(e) Using a suction rubber, remove the glass.

NOTICE:

Leave as much adhesive on the body as possible when cutting off the glass.



14. CLEAN BACK WINDOW GLASS

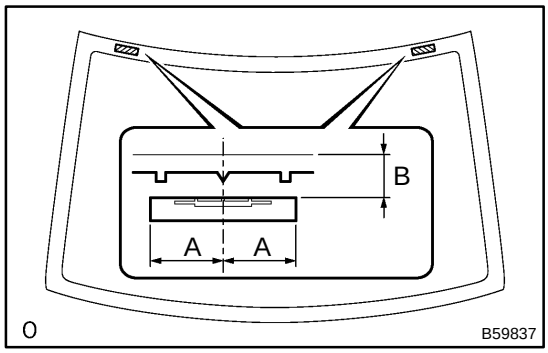
(a) Using a scraper, remove the damaged stoppers, dam and adhesive sticking to the glass.
(b) Clean the outer circumference of the glass with white gasoline.

NOTICE:

- **Do not touch the glass after cleaning it.**
- **Be careful not to damage the body.**

15. INSTALL BACK WINDOW GLASS STOPPER NO.1

(a) Install 2 new back window glass stoppers No.1 to the body.



16. INSTALL BACK WINDW GLASS STOPPER NO.2

(a) Coat the installation part of the stopper with Primer G.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(b) Install 2 new back window glass stoppers No.2 onto the glass as shown in the illustration.
A: 40.0 mm (1.575 in.)
B: 11.3 mm (0.445 in.)

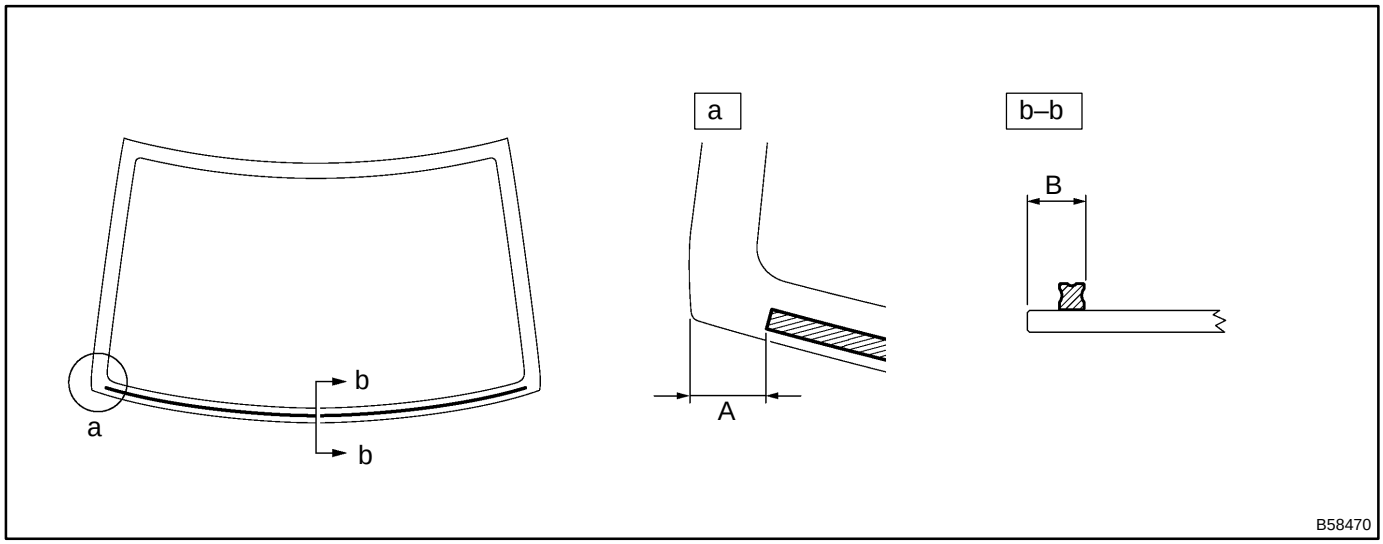
17. INSTALL BACK WINDOW GLASS ADHESIVE DAM

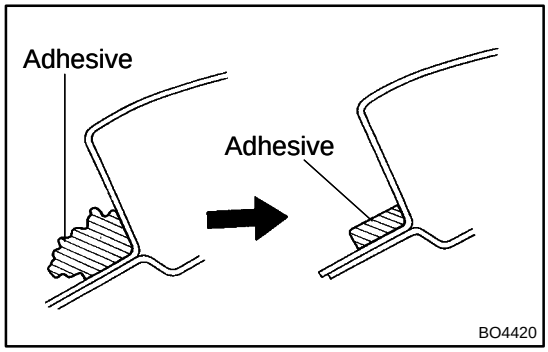
(a) Coat the installation part of the window glass adhesive dam with Primer G.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(b) Install a new window glass adhesive dam as shown in the illustration.
A: 25.0 mm (0.984 in.)
B: 9.0 mm (0.354 in.)





18. INSTALL BACK WINDOW GLASS

(a) Clean and shape the contact surface of the vehicle's body
(1) Using a knife, cut away any rough areas of the body.

HINT:
Leave as much adhesive on the body as possible.

(2) Clean the cut surface of the adhesive with a piece of shop rag saturated in cleaner.

(b) Position the glass.
(1) Using a suction rubber, place the glass in the correct position.
(2) Check that all the contacting parts of the glass rim are perfectly even.
(3) Place reference marks between the glass and body.

NOTICE:
Check that the stoppers are attached to the body correctly.

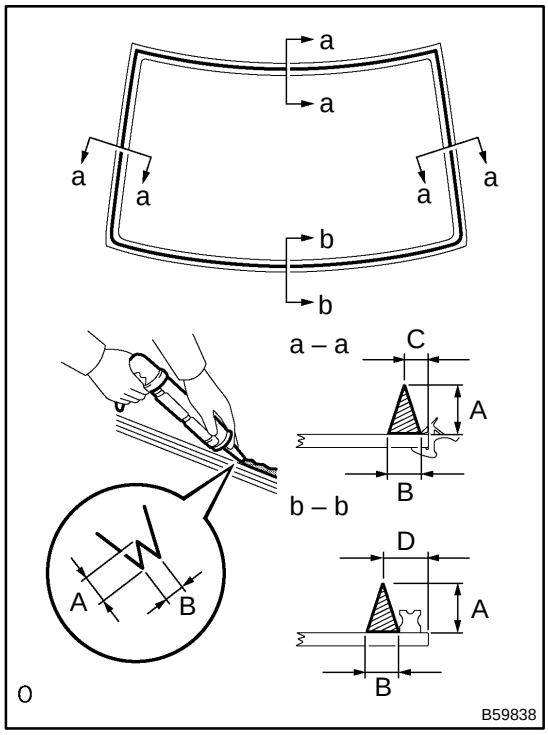
HINT:
When reusing the glass, check and correct the reference mark's positions.

(4) Remove the glass.

(c) Coat the contact surface of the body panel with Primer M.
(1) Using a brush, coat the exposed part of the contact surface on the vehicle side with Primer M.

NOTICE:
- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(d) Coat the contact surface of the glass with Primer G.
(1) Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.



NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Do not apply too much primer.**

(e) Apply adhesive.

(1) Cut off the tip of the cartridge nozzle as shown in the illustration.

Part No. 08850–00801 or equivalent

HINT:

After cutting off the tip, use all adhesive within the time described in the table below.

Temperature	Tackfree time
35°C (95°F)	15 minutes
20°C (68°F)	100 minutes
5°C (41°F)	8 hours

(2) Load the sealer gun with the cartridge.

(3) Coat the glass with adhesive as shown in the illustration.

A: 12.5 mm (0.492 in.) or more

B: 8 mm (0.32 in.) or more

C: 6.5 mm (0.256 in.)

D: 13 mm (0.51 in.)

(f) Install the glass.

(1) Using a suction rubber, position the glass so that the reference marks are aligned, and press it in gently along the rim.

NOTICE:

- **Dry the primer coating for 3 minutes or more.**
- **Check that the stoppers are attached to the body correctly.**
- **Check the clearance between the body and glass.**

(2) Lightly press the glass front surface for close contact.

(3) Using a scraper, remove any excess or protruding adhesive.

HINT:

Apply adhesive on the glass rim.

19. INSTALL BACK WINDOW MOULDING OUTSIDE UPPER

(a) Install a new back window moulding to the back window glass before the adhesive has hardened.

(b) Hold the back window glass in place securely with protective tape or equivalent until the adhesive has completely hardened.

(c) Using a scraper, remove any excess or protruding adhesive before the adhesive has hardened.

NOTICE:

Take care not to drive the vehicle during the time described in the table below.

Temperature	Tackfree time
35°C (95°F)	1.5 hours
20°C (68°F)	5 hours
5°C (41°F)	24 hours

20. INSPECT FOR LEAK AND REPAIR

(a) Conduct a leak test after the adhesive has completely hardened.

(b) Seal any leak with sealant.

21. INSTALL REAR SEAT BACK ASSY (FIXED TYPE REAR SEAT) (See page 72–8)

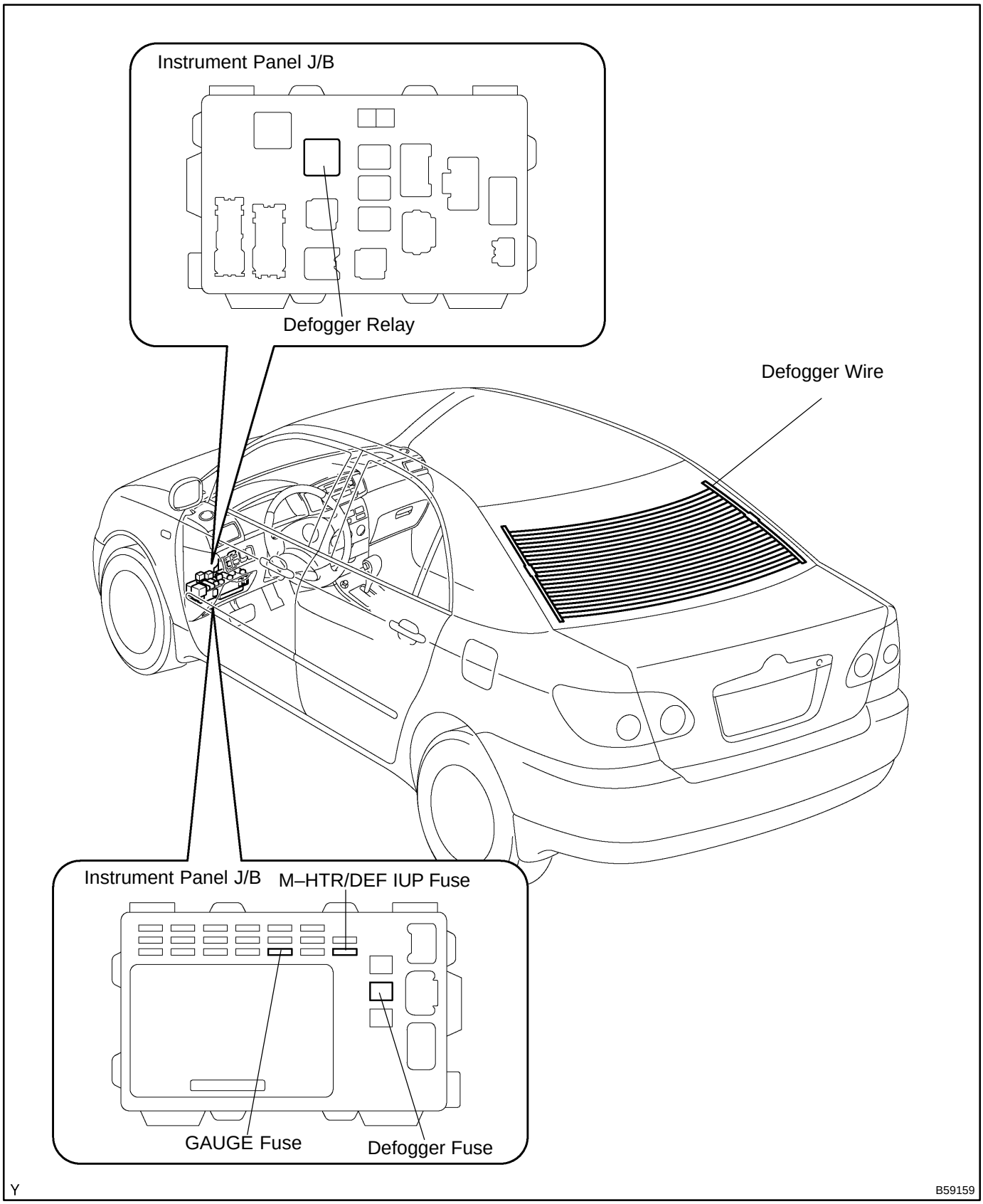
22. INSTALL SEPARATE TYPE REAR SEAT BACK ASSY (SEPARATED TYPE REAR SEAT) (See page 72–6)

23. INSTALL SEPARATE TYPE REAR SEAT BACK ASSY (SEPARATED TYPE REAR SEAT) (See page 72–6)

WINDOW DEFOGGER SYSTEM

LOCATION

700GR–01

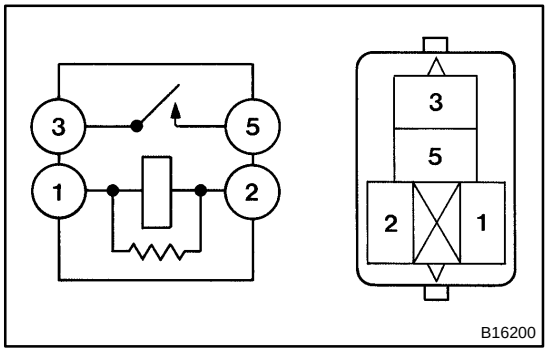


700GS–01

PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See page
Rear window defogger does not operate (Indicator lamp on)	1. M–HTR/DEF IUP fuse 2. DEF fuse 3. DEF relay 4. Rear window defogger wire 5. Wire harness	– 68–1 –
Rear window defogger does not operate (Indicator lamp off)	1. GAUGE fuse 2. Defogger switch (A/C panel switch) 3. Air control assembly 4. Wire harness	 70–23 –

INSPECTION



1. INSPECT DEFOGGER RELAY (Marking: DEF)

(a) Remove the defogger relay from the instrument panel J/B.

(b) Inspect the defogger relay.

Standard:

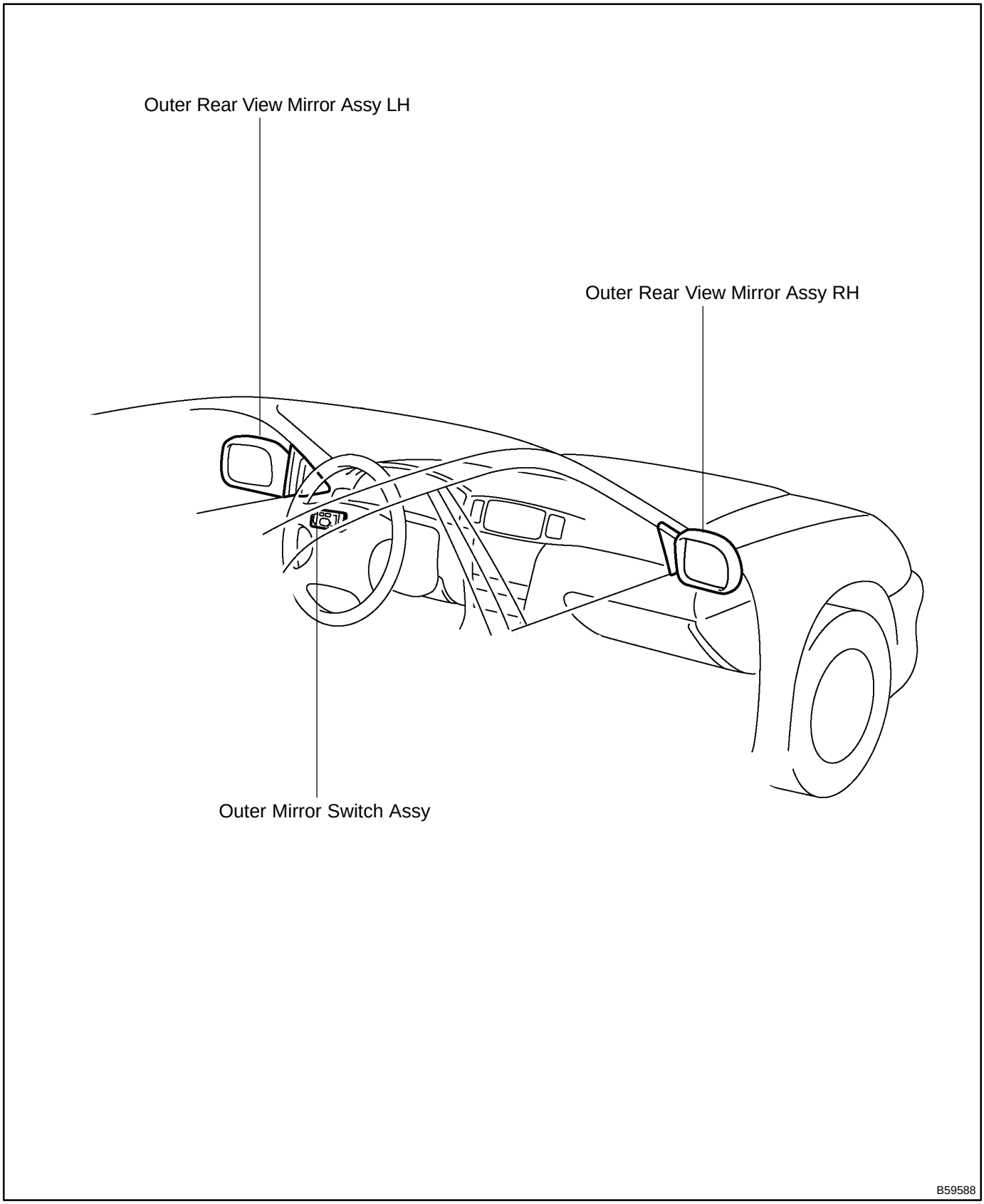
Terminal No.	Condition	Specified condition
1 ⇔ 2	Constant	Continuity
3 ⇔ 5	Apply B+ between terminals 1 and 2	Continuity

If the result is not as specified, replace the relay.

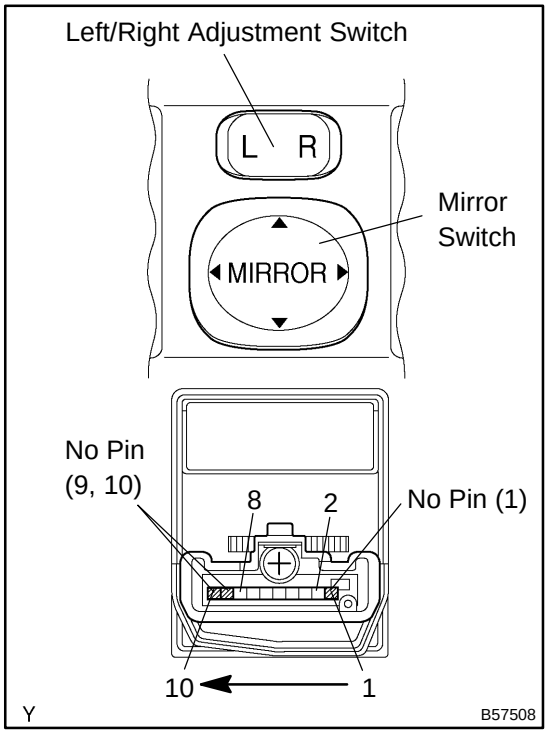
POWER MIRROR CONTROL SYSTEM

700GU–01

LOCATION



INSPECTION



1. INSPECT OUTER MIRROR SWITCH ASSY

(a) Inspect the mirror switch continuity.

(1) Left side for left/right adjustment switch: Inspect the mirror switch continuity.

Standard (Left side):

Terminal No.	Switch position	Specified condition
–	OFF	No continuity
4 ⇔ 8 6 ⇔ 7	UP	Continuity
4 ⇔ 7 6 ⇔ 8	DOWN	Continuity
5 ⇔ 8 6 ⇔ 7	LEFT	Continuity
5 ⇔ 7 6 ⇔ 8	RIGHT	Continuity

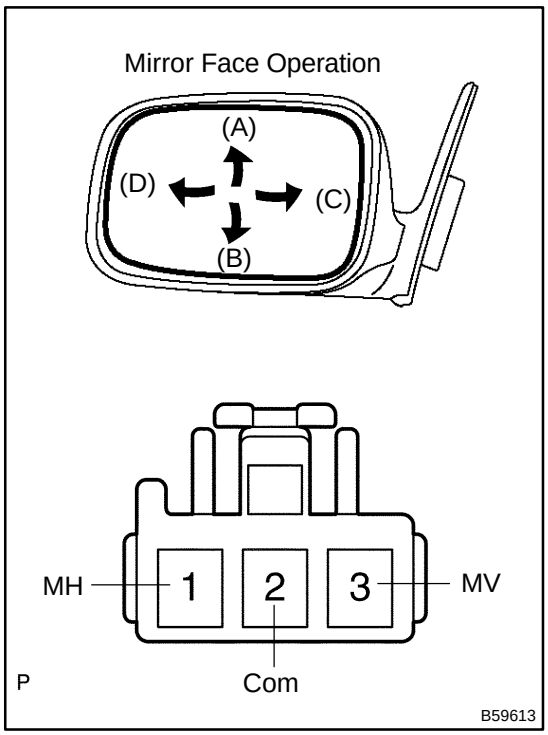
If the result is not as specified, replace the switch assembly.

(2) Right side for left/right adjustment switch: Inspect the mirror switch continuity.

Standard (Right side):

Terminal No.	Switch position	Specified condition
–	OFF	No continuity
3 ⇔ 8 6 ⇔ 7	UP	Continuity
3 ⇔ 7 6 ⇔ 8	DOWN	Continuity
2 ⇔ 8 6 ⇔ 7	LEFT	Continuity
2 ⇔ 7 6 ⇔ 8	RIGHT	Continuity

If the result is not as specified, replace the switch assembly.



2. INSPECT OUTER REAR VIEW MIRROR ASSY LH

(a) Disconnect the outer rear view mirror assembly LH connector.

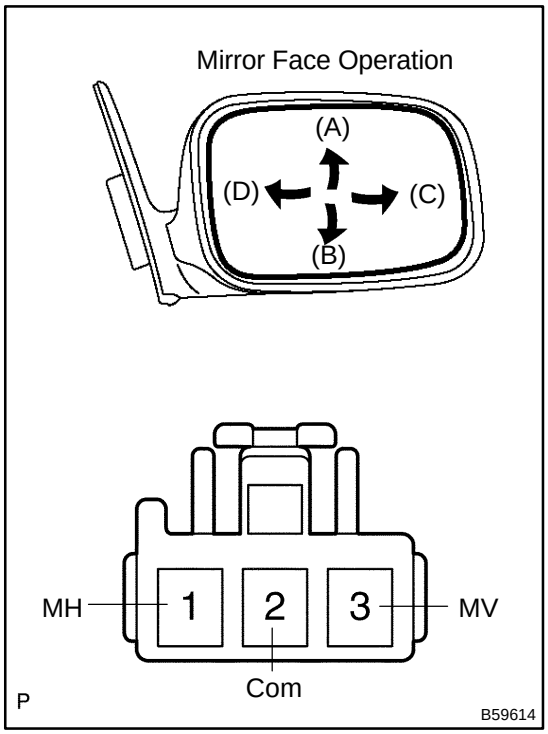
(b) Inspect the mirror motor operation.

(1) Apply battery voltage as shown in the table.

Standard:

Battery connection	Mirror operation
Positive (+) ⇔ MV (3) Negative (–) ⇔ Com (2)	Turn upward (A)
Positive (+) ⇔ Com (2) Negative (–) ⇔ MV (3)	Turn downward (B)
Positive (+) ⇔ Com (2) Negative (–) ⇔ MH (1)	Turn left (C)
Positive (+) ⇔ MH (1) Negative (–) ⇔ Com (2)	Turn right (D)

If the result is not as specified, replace the mirror assembly.



3. INSPECT OUTER REAR VIEW MIRROR ASSY RH

(a) Disconnect the outer rear view mirror assembly RH connector.

(b) Inspect the mirror motor operation.

(1) Apply battery voltage as shown in the table.

Standard:

Battery connection	Mirror operation
Positive (+) ⇔ MV (3) Negative (–) ⇔ Com (2)	Turn upward (A)
Positive (+) ⇔ Com (2) Negative (–) ⇔ MV (3)	Turn downward (B)
Positive (+) ⇔ Com (2) Negative (–) ⇔ MH (1)	Turn right (D)
Positive (+) ⇔ MH (1) Negative (–) ⇔ Com (2)	Turn left (C)

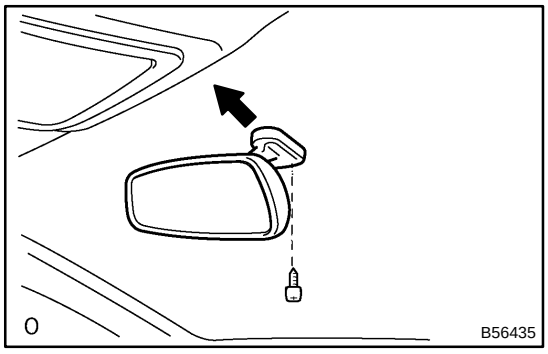
If the result is not as specified, replace the mirror assembly.

INNER REAR VIEW MIRROR ASSY

700GW–01

REPLACEMENT

HINT:
Installation is according to the reverse order of the removal.



1. REMOVE INNER REAR VIEW MIRROR ASSY

(a) Remove the screw.

(b) w/ Map lamp:
Disconnect the connector.

(c) Remove the rear view inner mirror assembly.

700GX–01

PRE–CHECK

1. SELECTING COMPASS DISPLAY MODE

(a) The compass switch allows you to select the Display or Non–display mode of the compass.

2. SETTING ZONE

(a) Deviation between the ”magnetic north” and ”actual north” differs depending on the location. Therefore, adjustment of the magnetism is required. Since the magnetic condition differs according to the area where the vehicle is used, it is necessary for each user to set the zone (Refer to ”Compass Zone Map”). The zone setting can be changed using the comp switch of the inner mirror.

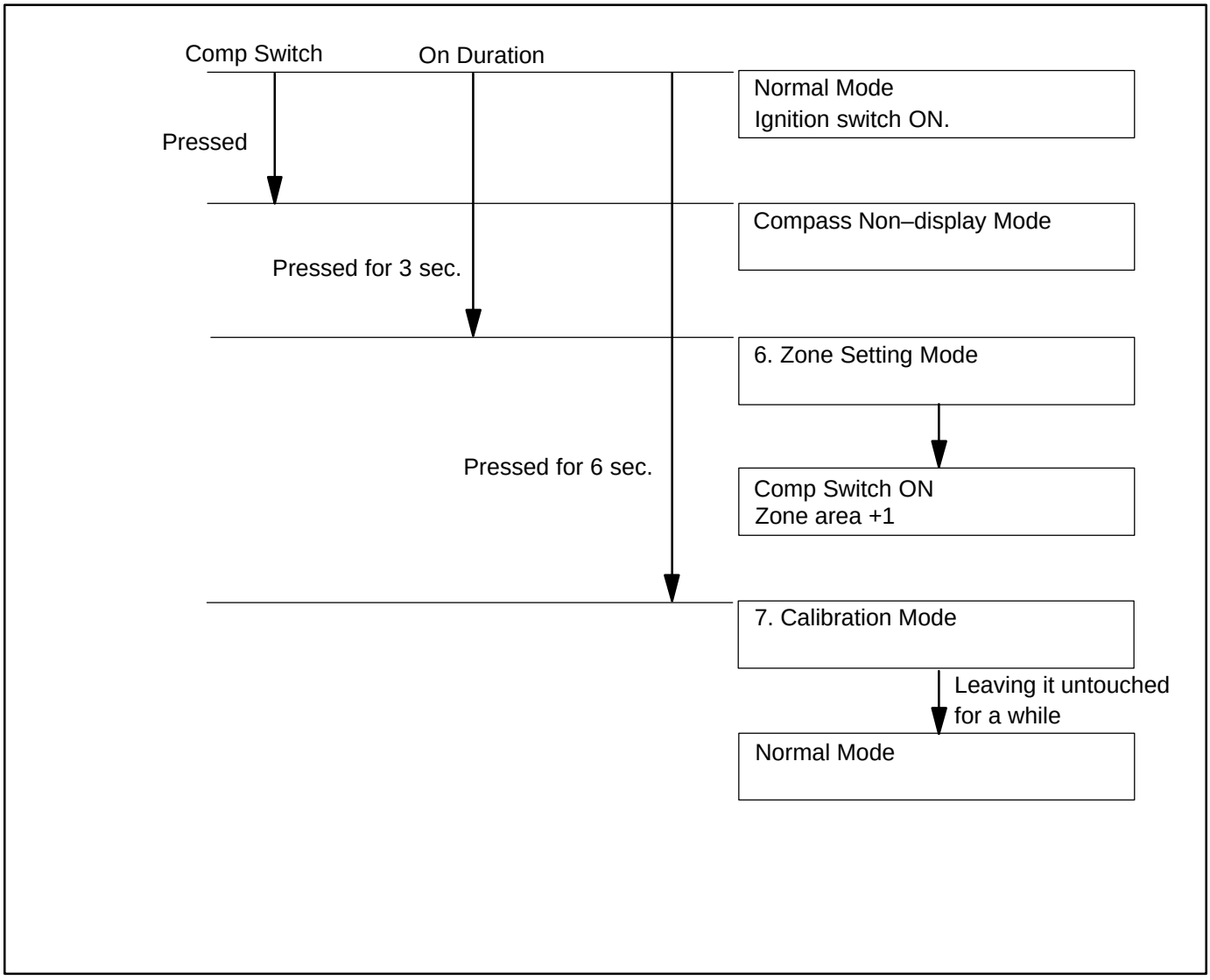
3. PERFORMING CALIBRATION

(a) Because each vehicle has its own magnetic field, calibration should be performed for each vehicle. This compass function is used when storing the record of the vehicle’s magnetic field.

4. WHEN COMPASS MAGNETIZED:

(a) A compass could be magnetized during shipping by vessels or freight cars. Before delivery, therefore, make sure to perform calibration and ensure that calibration is done properly. If it cannot be done (cannot be complete in spite of driving around several times), it may be caused by magnetization. Demagnetize the vehicle using a demagnetizer and perform calibration again.

5. SETTING COMPASS



6. ZONE SETTING MODE

(a) Pressing the comp switch for 3 seconds, in the normal mode, will activate the zone setting mode. A number (1 – 15) is displayed on the compass display.

HINT:

In the initial state, ”8” is displayed.

(b) The displayed number increases +1 every time the comp switch is pressed. Referring to the map, check the number for the area where the vehicle will be used and set the zone number.

(c) Leave it untouched for several seconds after setting and check that the compass display shows an azimuthal direction (N, NE, E, SE, S, SW, W or NW) or ”C”.

7. CALIBRATION SETTING MODE

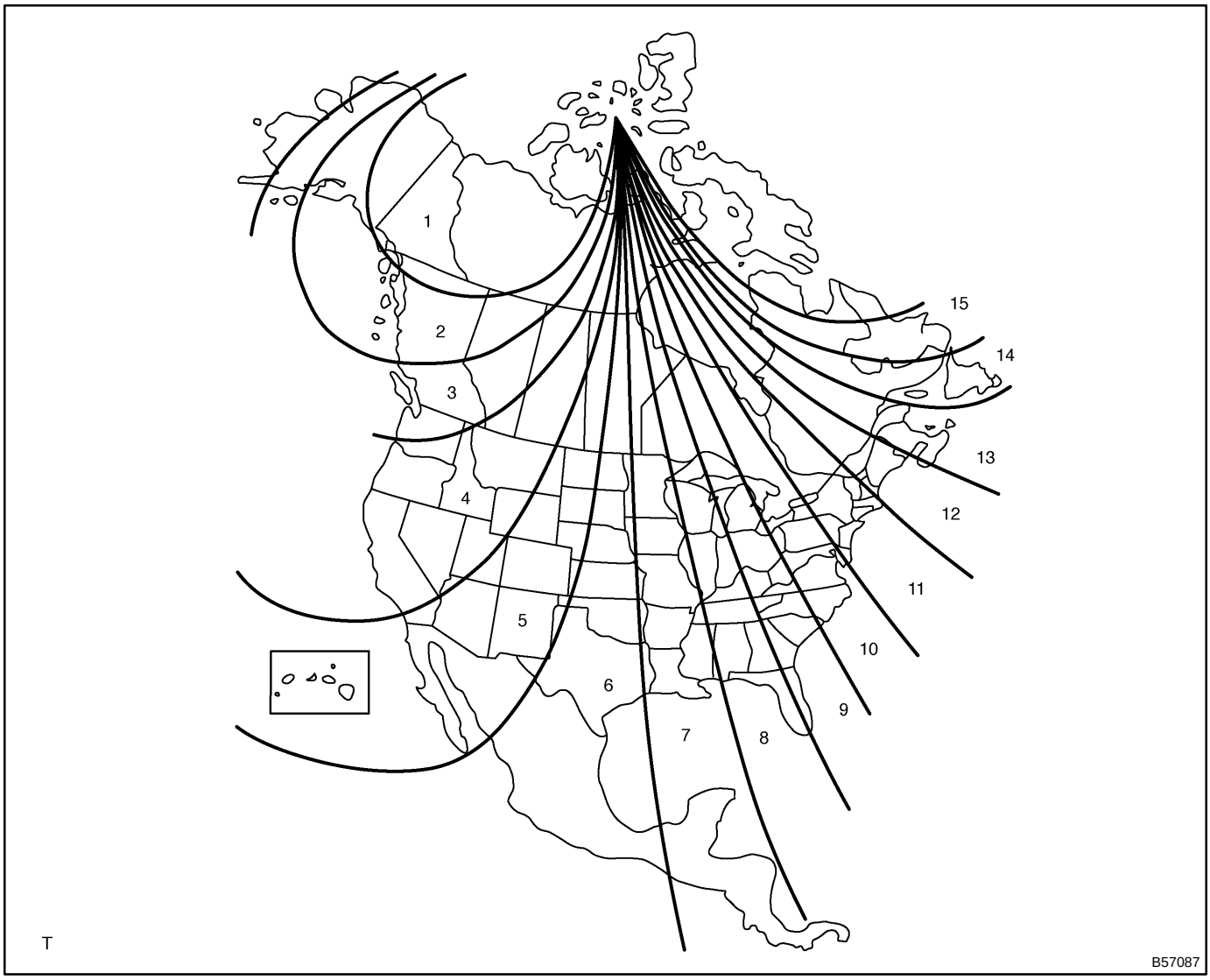
(a) Pressing the comp switch for 6 seconds, in the normal mode, will also activate this mode.

(b) Drive the vehicle at a slow speed of 8 km/h (5 mph) or less in the circular direction.

(c) Driving around the circle 1 to 3 times will display the azimuthal direction on the display, completing the calibration.

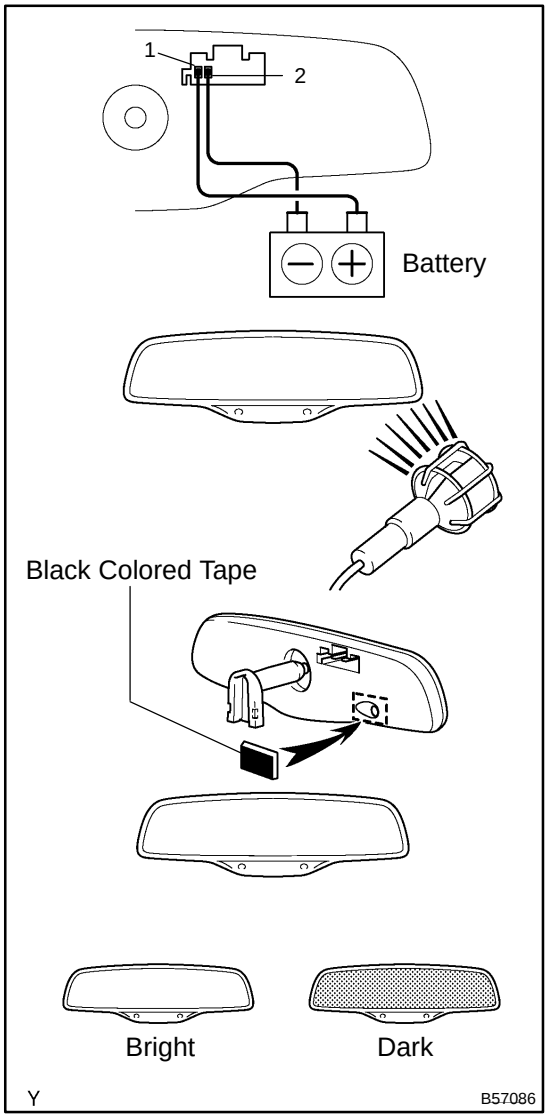
HINT:

Once calibration is complete, it is not necessary to perform the above procedures unless the magnetic field strength is drastically changed. If this happens, the azimuthal display will be changed to ”C”.



700GY–01

INSPECTION



1. INSPECT INNER REAR VIEW MIRROR ASSY

(a) Inspect the electro chromic inner mirror operation.

(1) Connect the positive (+) lead from the battery to terminal 1 and negative (–) lead to terminal 2.

(2) Attach black colored tape to the forward sensor to prevent it from sensing.

(3) Light up the mirror with an electric light, and check that the mirror surface changes from ”bright” to ”dark”.

If the operation is not as specified, replace the inner mirror assembly.

OUTER REAR VIEW MIRROR ASSY LH

700GZ–01

REPLACEMENT

HINT:

- Installation is according to the reverse order of the removal.
- In the RH side, work in the same procedure as in the LH side.

1. REMOVE FRONT ARMREST ASSY LH (See page 75–7)

2. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSY (W/ POWER WINDOW) (See page 75–7)

3. REMOVE FRONT ARMREST BASE PANEL UPPER LH (W/O POWER WINDOW) (See page 75–7)

4. REMOVE FRONT DOOR WINDOW REGULATOR HANDLE ASSY (W/O POWER WINDOW) (See page 75–7)

5. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page 75–7)

6. REMOVE FRONT DOOR TRIM BOARD SUB–ASSY LH (See page 75–7)

7. REMOVE OUTER REAR VIEW MIRROR ASSY LH

(a) Remove the 3 nuts and the rear view mirror assembly LH, and then disconnect the connector.

8. INSTALL OUTER REAR VIEW MIRROR ASSY LH

Torque: 8.0 N·m (81 kgf·cm, 71 in.·lbf)