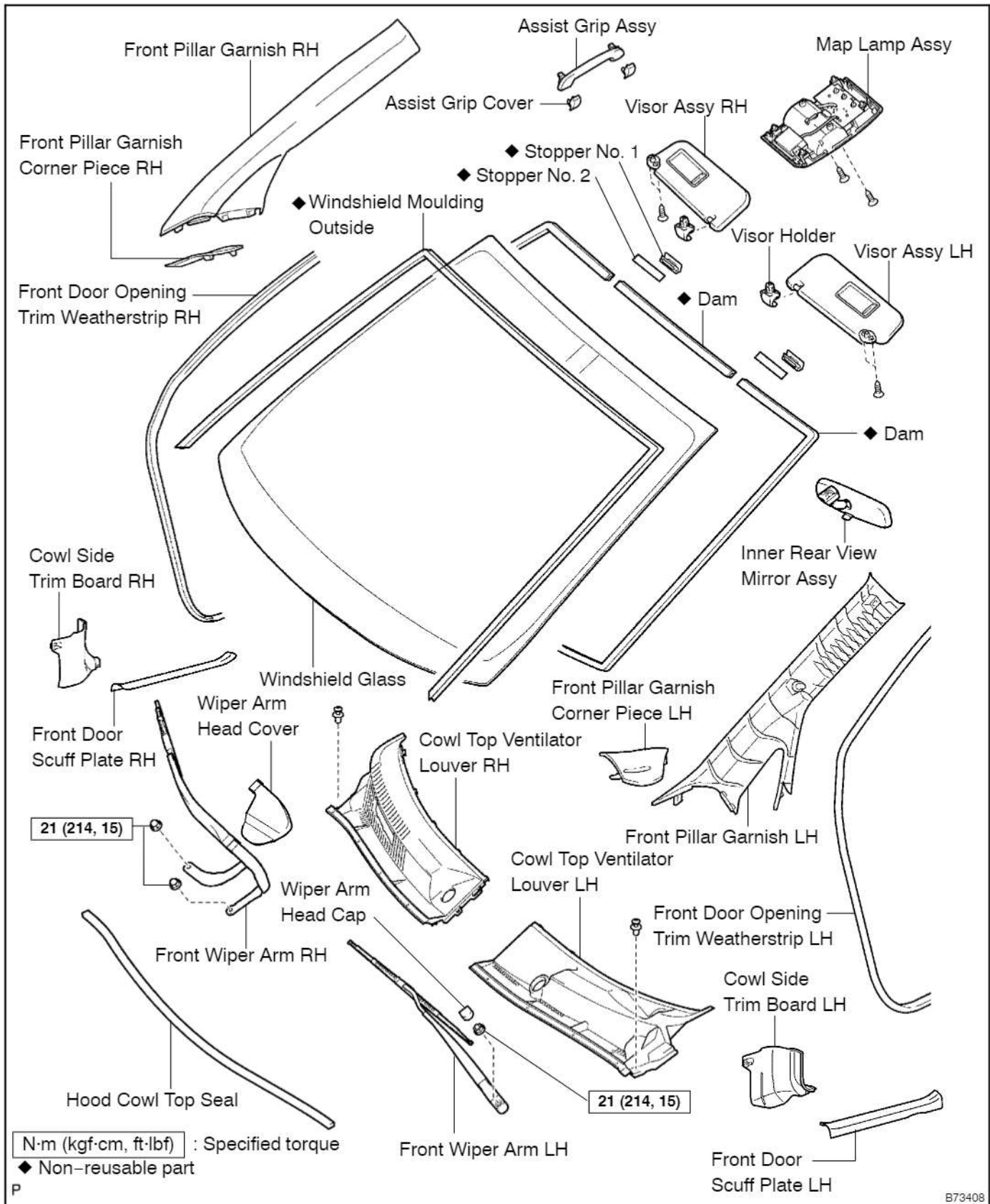


WINDSHIELD GLASS COMPONENTS

70129-01



B73408

REPLACEMENT

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- A bolt without a torque specification is shown in the standard bolt chart ([see page 03-2](#)).

1. REMOVE ROOF HEADLINING ASSY ([See page 76-29](#))

- Remove the front door scuff plate LH and RH.
- Remove the cowl side trim board LH and RH.
- Remove the front door opening trim weatherstrip LH and RH.
- Remove the front pillar garnish corner piece LH and RH.
- Remove the front pillar garnish LH and RH.
- Remove the visor LH and RH.
- Remove the 2 visor holders.
- Remove the assist grip.
- Remove the map lamp.
- Partially remove the roof headlining.

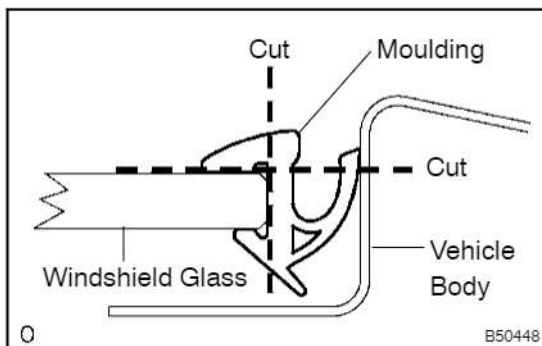
HINT:

Do not remove the roof headlining completely. Slightly lower the front section of the roof headlining so that the windshield glass can be removed later in step 5.

2. REMOVE INNER REAR VIEW MIRROR ASSY ([See page 70-54](#))

3. REMOVE COWL TOP VENTILATOR LOUVER ([See page 66-16](#))

- Remove the hood cowl top seal.
- Remove the front wiper arm LH and RH.
- Remove the cowl top ventilator louver LH and RH.



4. REMOVE WINDSHIELD MOULDING OUTSIDE

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

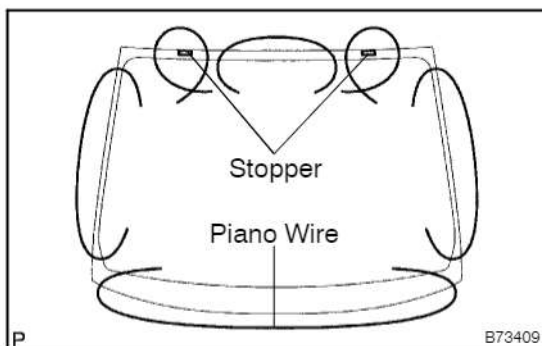
NOTICE:

Be careful not to damage the vehicle body with the knife.

- Remove the remaining moulding.

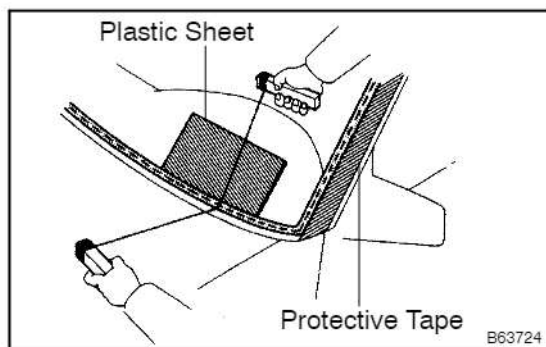
HINT:

Make a partial cut in the moulding. Then pull and remove it by hand.



5. REMOVE WINDSHIELD GLASS

- From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.

**HINT:**

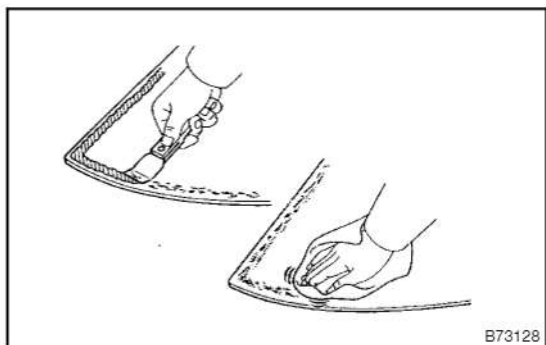
Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

NOTICE:

- When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.
 - To prevent the safety pad from being scratched when removing the glass, place a plastic sheet between the piano wire and safety pad.
- (c) Cut through the adhesive by pulling the piano wire around the glass.
 - (d) Disengage the stoppers.
 - (e) Using a suction cup, remove the glass.

NOTICE:

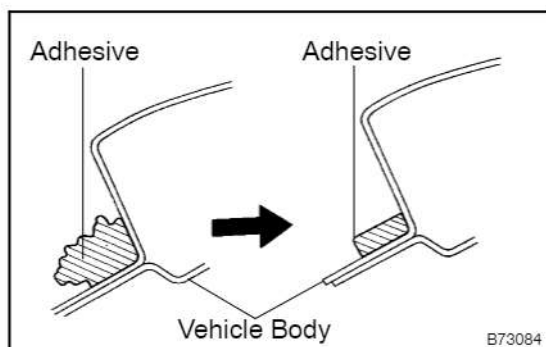
Leave as much adhesive on the vehicle body as possible when removing the glass.

**6. 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 surface after cleaning it.
- Even if using new glass, clean the glass with white gasoline.

**7. CLEAN VEHICLE BODY**

- (a) Clean and shape the contact surface of the vehicle body.
 - (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

NOTICE:

Be careful not to damage the vehicle body.

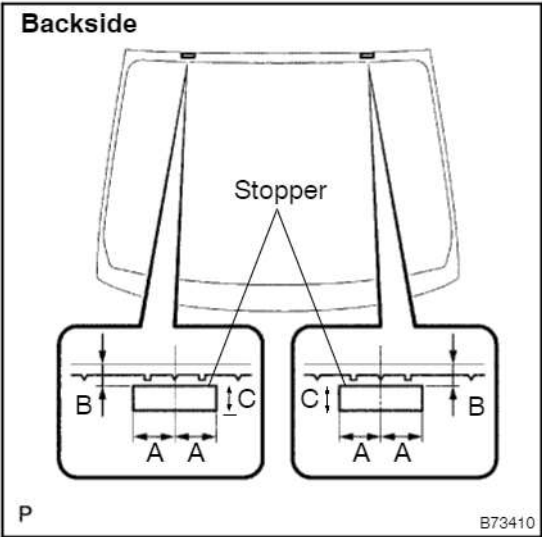
HINT:

Leave as much adhesive on the vehicle body as possible.

- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

HINT:

Even if all the adhesive has been removed, clean the vehicle body.



8. INSTALL WINDSHIELD GLASS STOPPER NO. 2

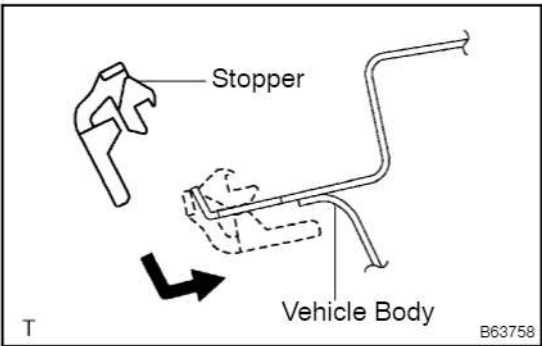
- (a) Coat the installation part of the stoppers with Primer G.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
 - Throw away any leftover Primer G.
 - Do not apply too much Primer G.
- (b) Install 2 new stoppers onto the glass, as shown in the illustration.

Specification:

Area	Measurement
A	40 mm (1.57 in.)
B	7.7 mm (0.30 in.)
C	12.5 mm (0.49 in.)



9. INSTALL WINDSHIELD GLASS STOPPER NO. 1

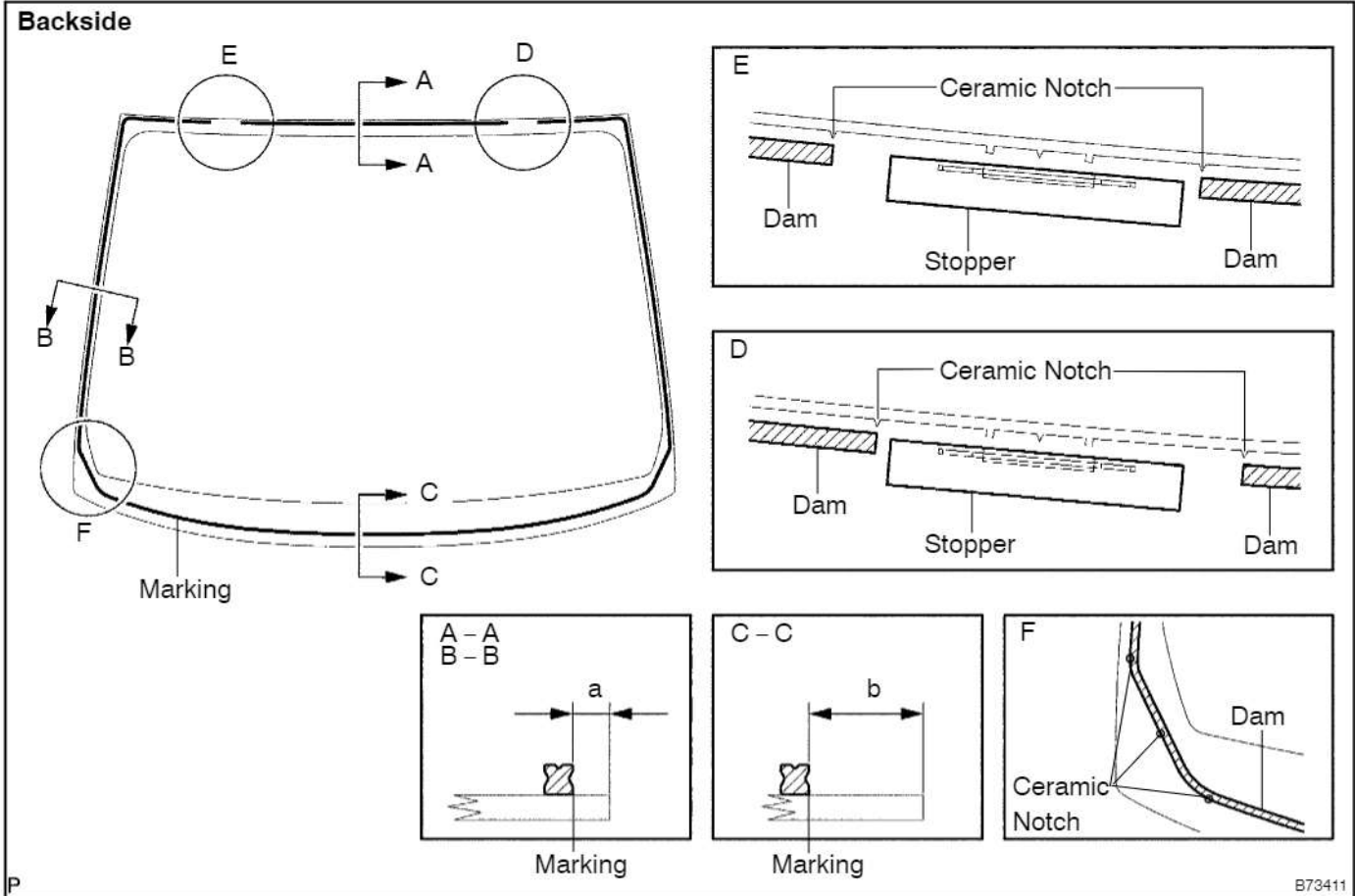
- (a) Install 2 new stoppers to the vehicle body, as shown in the illustration.

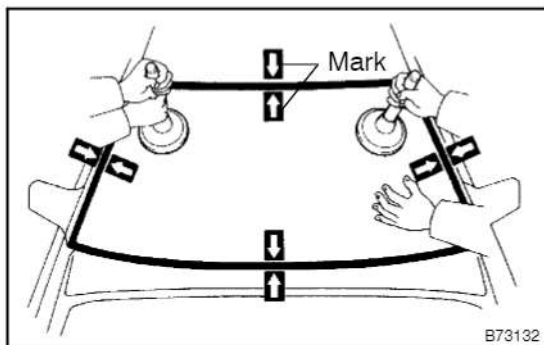
10. INSTALL WINDOW GLASS ADHESIVE DAM

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

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
 - Throw away any leftover Primer G.
 - Do not apply too much Primer G.
- (b) Install a new dam, applying double-sided tape all the way around the glass except where the stoppers are installed, as shown in the illustration.





11. INSTALL WINDSHIELD GLASS

- (a) Position the glass.
 - (1) Using a suction cup, place the glass in the correct position.
 - (2) Check that the whole contact surface of the glass rim is perfectly even.
 - (3) Place reference marks between the glass and vehicle body.

NOTICE:

Check that the stoppers are attached to the vehicle body correctly.

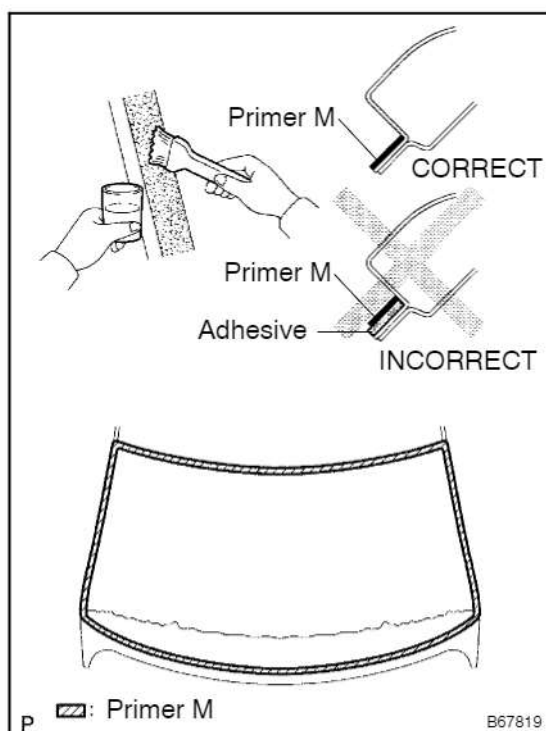
HINT:

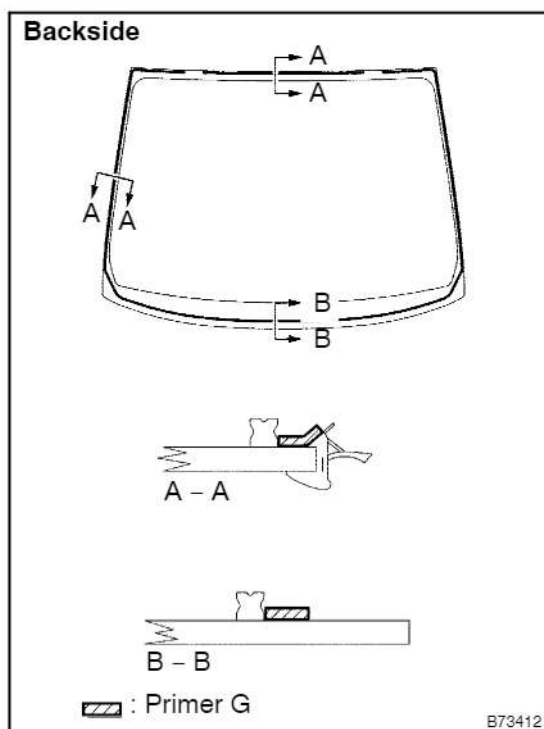
When reusing the glass, check and correct the reference mark positions.

- (4) Using a suction cup, remove the glass.
- (b) Using a brush, coat the exposed part of the vehicle body with Primer M.

NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
- **Do not coat the adhesive with Primer M.**
- **Throw away any leftover Primer M.**
- **Do not apply too much Primer M.**





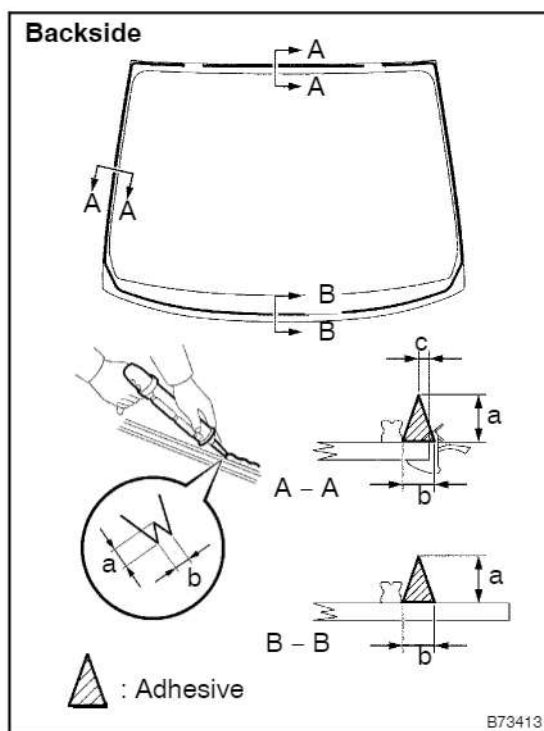
- (c) Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.

HINT:

If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.



- (d) Apply adhesive.

Adhesive: Part No. 08850-00801 or equivalent

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

HINT:

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

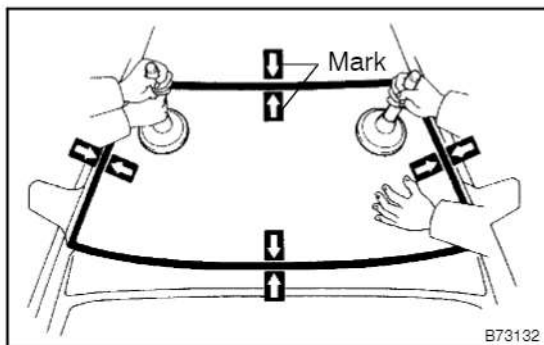
Usage timeframe:

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 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.

Specification:

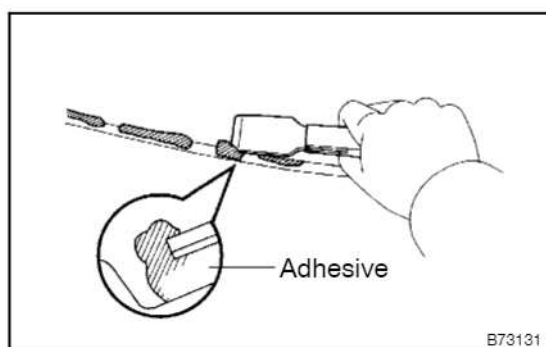
Area	Measurement
a	12.5 mm (0.49 in.)
b	8 mm (0.31 in.)
c	3 mm (0.12 in.)



- (e) Install the glass to the vehicle body.
- (1) Using a suction cup, position the glass so that the reference marks are aligned. Press it in gently along the rim.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
 - Check that the stoppers are attached to the vehicle body correctly.
 - Check that the vehicle body and glass have a small gap between them.
- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.



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

HINT:

Apply adhesive onto the glass rim.

12. INSTALL WINDSHIELD MOULDING OUTSIDE

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

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

- (b) Install the moulding before the adhesive dries.

NOTICE:

Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

13. CHECK FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

FRONT SIDE FIX WINDOW REPLACEMENT

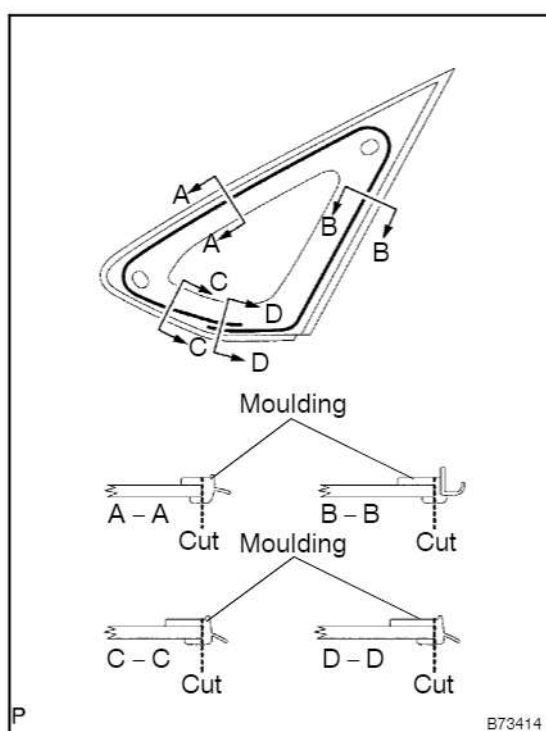
7012B-01

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT PILLAR GARNISH ASSY (See page 76-29)

- Remove the front door scuff plate LH.
- Remove the cowl side trim board LH.
- Remove the front door opening trim weatherstrip.
- Remove the front pillar garnish corner piece.
- Remove the front pillar garnish.



2. REMOVE FRONT SIDE FIX WINDOW

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

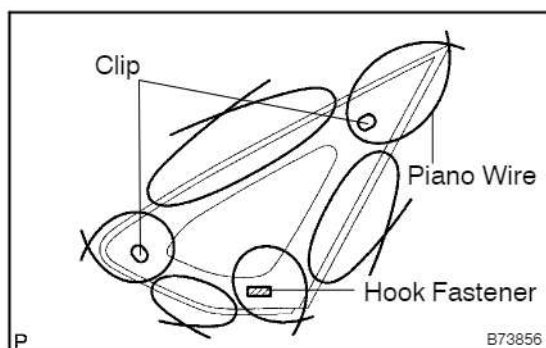
NOTICE:

Be careful not to damage the vehicle body with the knife.

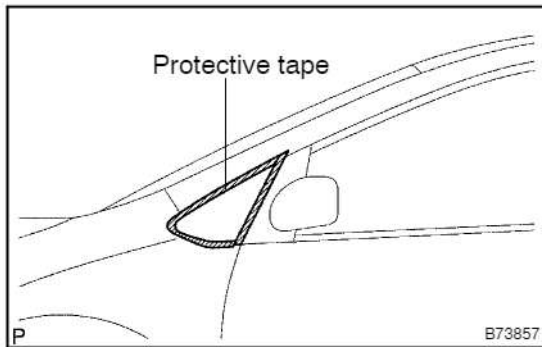
- Remove the remaining moulding.

HINT:

Make a partial cut in the moulding. Then pull and remove it by hand.



- From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.

**HINT:**

Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

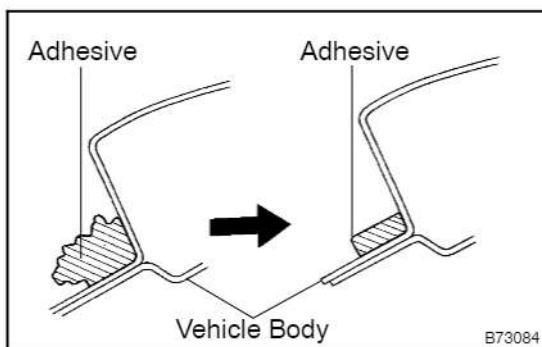
NOTICE:

When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.

- (e) Cut through the adhesive by pulling the piano wire around the glass.
- (f) Using a suction cup, remove the glass.

NOTICE:

Leave as much adhesive on the vehicle body as possible when removing the glass.

**3. CLEAN VEHICLE BODY**

- (a) Clean and shape the contact surface of the vehicle body.
 - (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

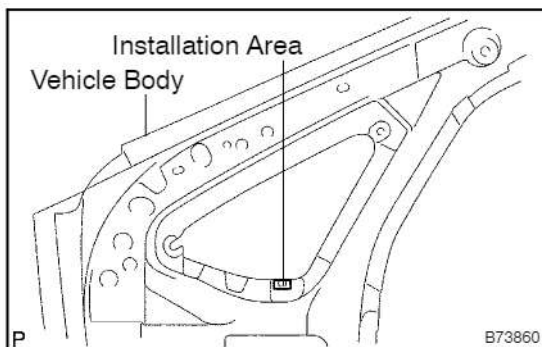
HINT:

Leave as much adhesive on the vehicle body as possible.

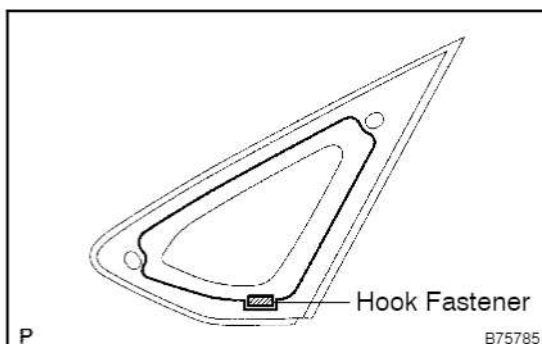
- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

HINT:

Even if all the adhesive has been removed, clean the vehicle body.

**4. INSTALL QUARTER PANEL SPACER**

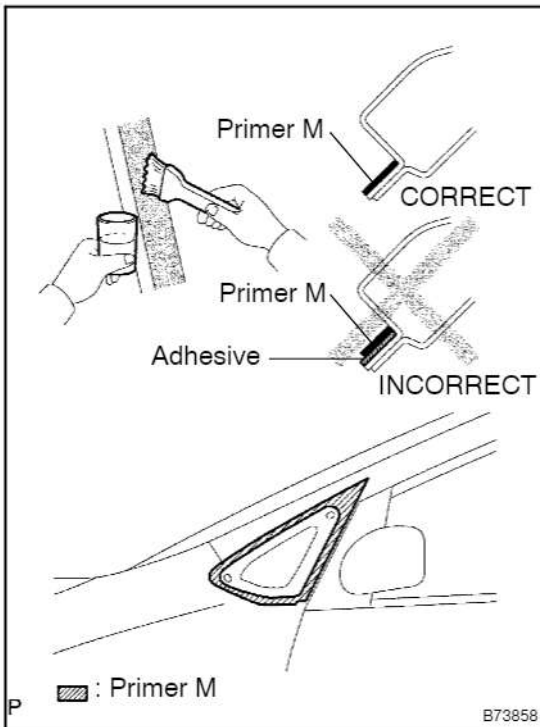
- (a) Install a new spacer to the vehicle body, as shown in the illustration.

**5. INSTALL HOOK FASTENER**

- (a) Coat the installation part of the hook fastener with Primer G.

NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
- **Throw away any leftover Primer G.**
- **Do not apply too much Primer G.**
- (b) Install new hook fastener onto the glass, as shown in the illustration.



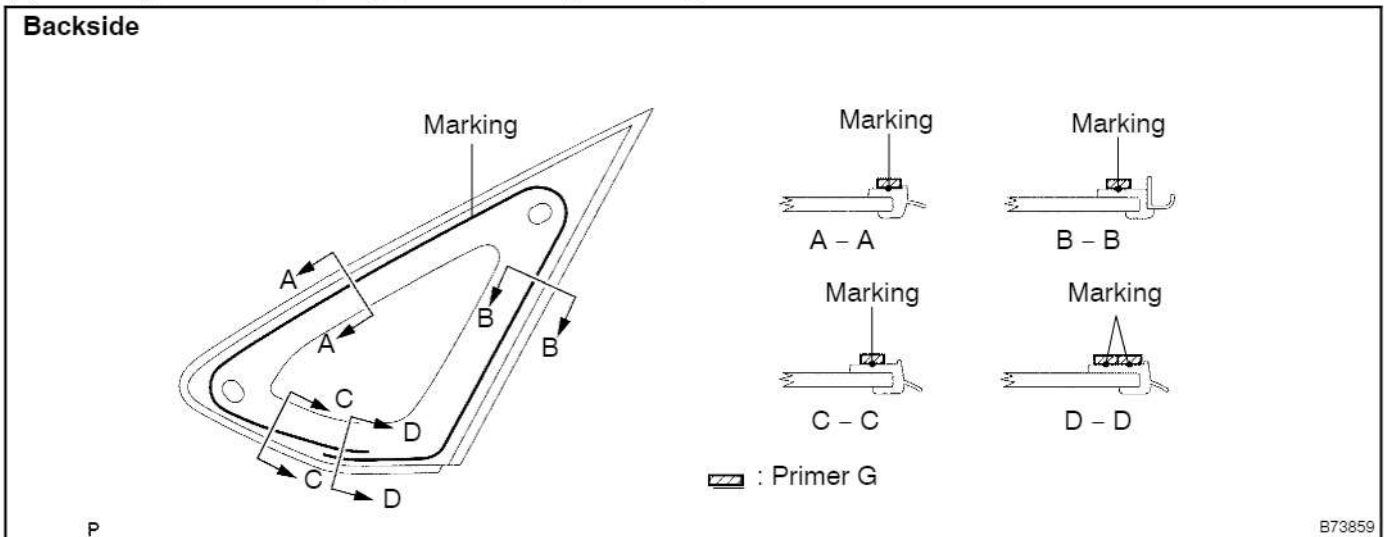
6. INSTALL FRONT SIDE FIX WINDOW

- (a) Using a brush, coat the exposed part of the vehicle body with Primer M.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Do not coat the adhesive with Primer M.
- Throw away any leftover Primer M.
- Do not apply too much Primer M.

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



HINT:

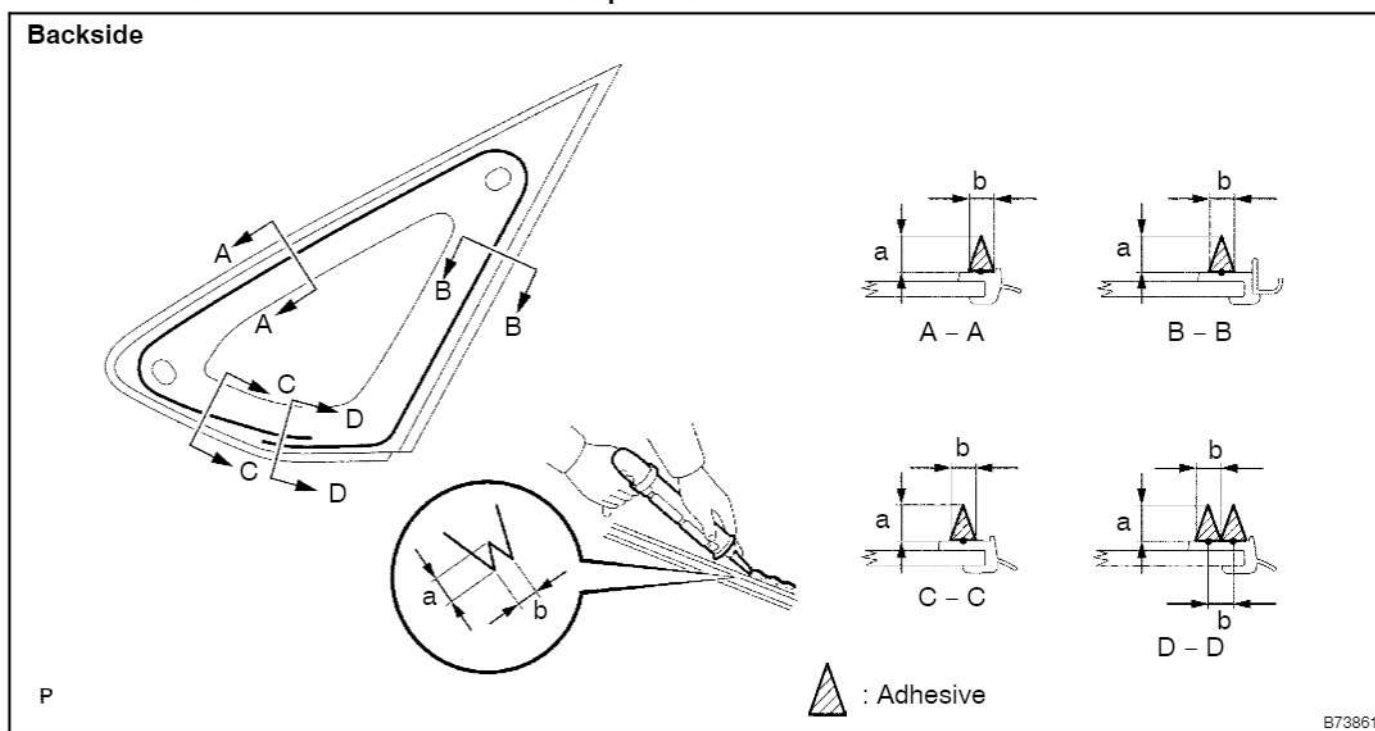
If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

(c) Apply adhesive.

Adhesive: Part No. 08850-00801 or equivalent



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

HINT:

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

Usage timeframe:

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 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.

Specification:

Area	Measurement
a	8 mm (0.31 in.)
b	6 mm (0.24 in.)

(d) Install the front side fix window to the vehicle body.

(1) Hold the front side fix window in place securely with protective tape or equivalent until the adhesive hardens.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Check that the hook fastener and clips are attached to the vehicle body correctly.
- Check that the vehicle body and glass have a small gap between them.

- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.

NOTICE:

Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

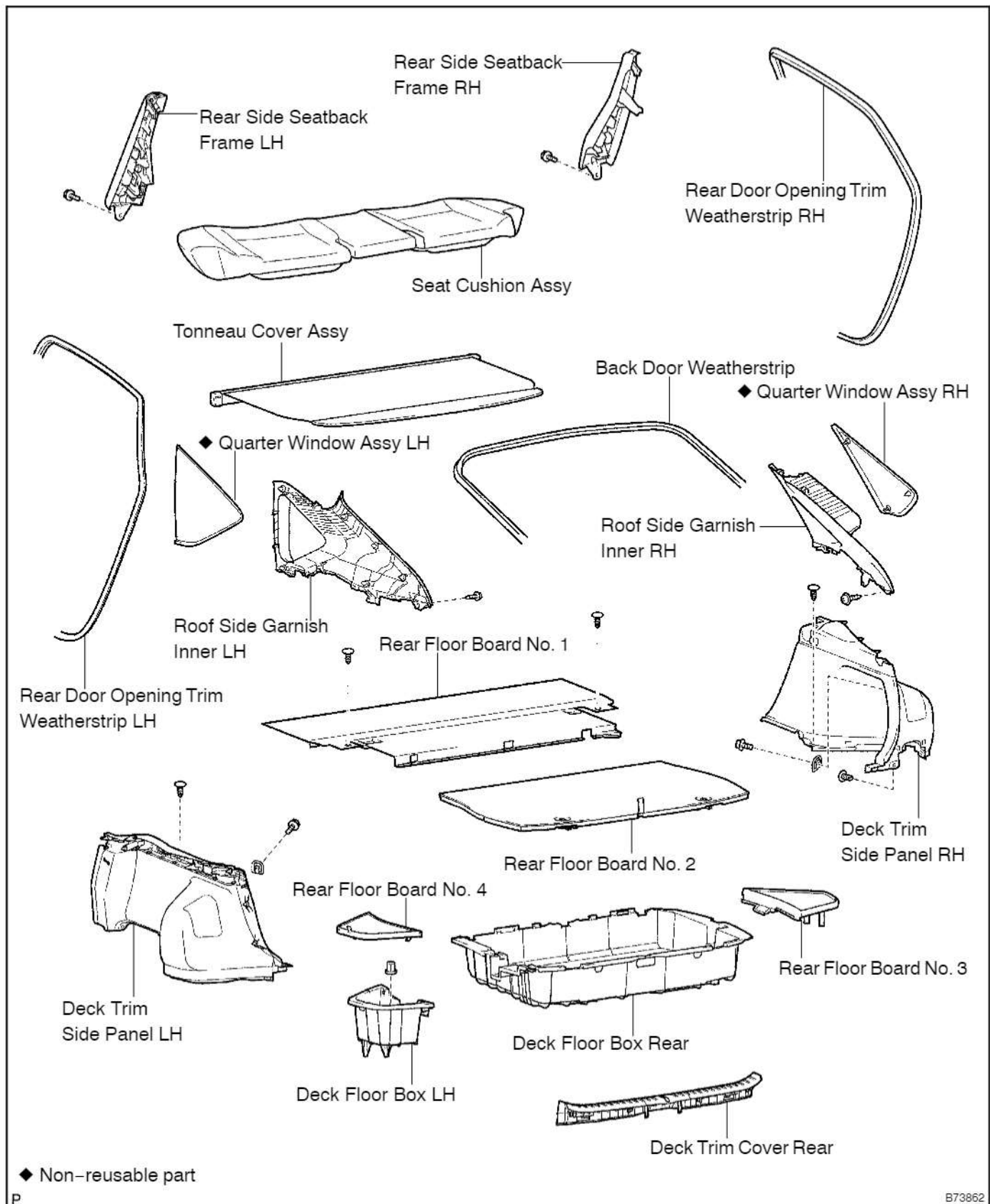
Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

7. CHECK FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

QUARTER WINDOW COMPONENTS

7012C-01



B73862

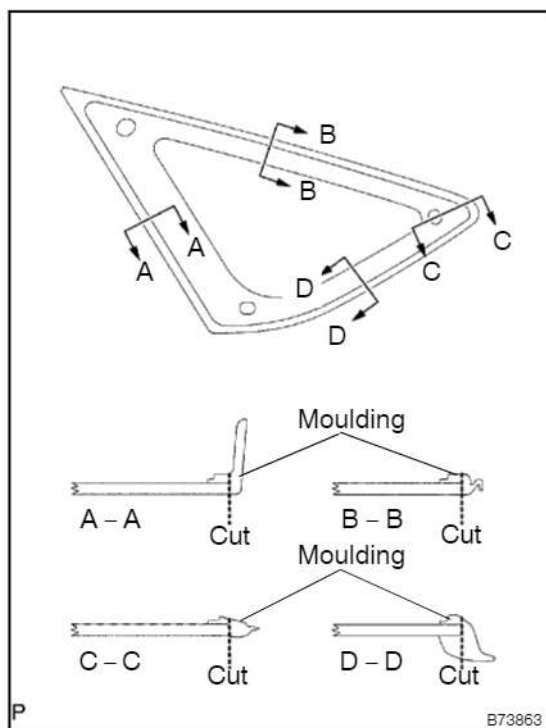
REPLACEMENT

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the LH side and RH side.
- A bolt without a torque specification is shown in the standard bolt chart ([see page 03-2](#)).
- The procedures listed below are for the LH side.

1. REMOVE ROOF SIDE GARNISH ASSY INNER ([See page 76-29](#))

- Remove the rear door opening trim weatherstrip.
- Remove the back door weatherstrip.
- Remove the tonneau cover.
- Remove the deck trim cover rear.
- Remove the rear floor board No. 2.
- Remove the rear floor board No. 4.
- Remove the rear floor board No. 3.
- Remove the rear floor board No. 1.
- Remove the deck floor box rear.
- Remove the deck floor box.
- Remove the deck trim side panel.
- Remove the roof side garnish inner.



2. REMOVE QUARTER WINDOW

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

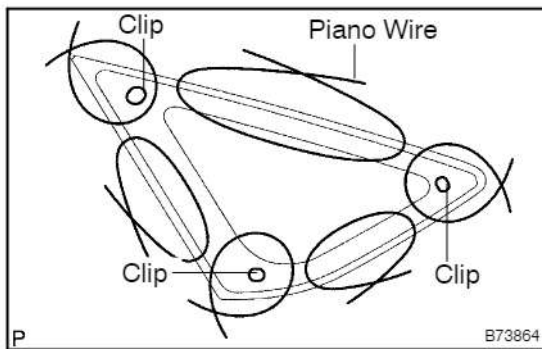
NOTICE:

Be careful not to damage the vehicle body with the knife.

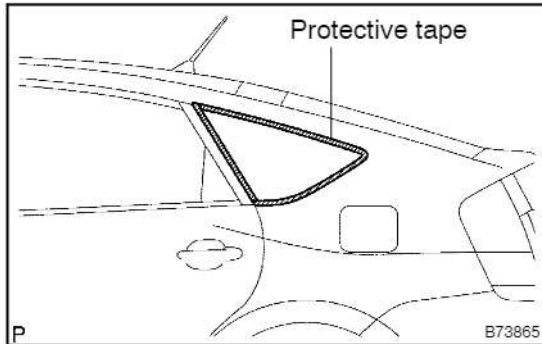
- Remove the remaining moulding.

HINT:

Make a partial cut in the moulding. Then pull and remove it by hand.



- (c) From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- (d) Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.

**HINT:**

Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

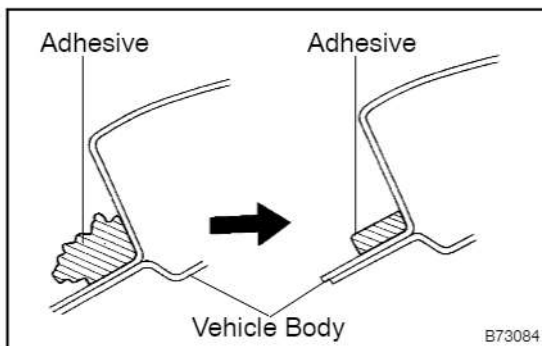
NOTICE:

When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.

- (e) Cut through the adhesive by pulling the piano wire around the glass.
- (f) Using a suction cup, remove the glass.

NOTICE:

Leave as much adhesive on the vehicle body as possible when removing the glass.

**3. CLEAN VEHICLE BODY**

- (a) Clean and shape the contact surface of the vehicle body.
 - (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

NOTICE:

Be careful not to damage the vehicle body.

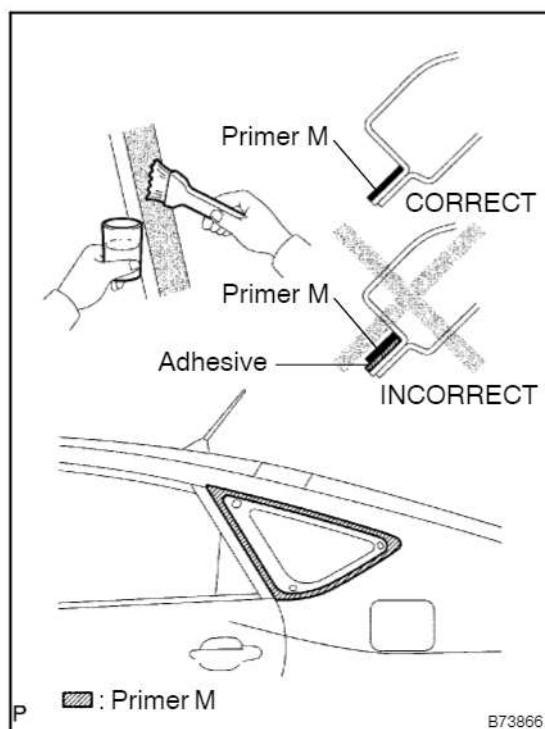
HINT:

Leave as much adhesive on the vehicle body as possible.

- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

HINT:

Even if all the adhesive has been removed, clean the vehicle body.



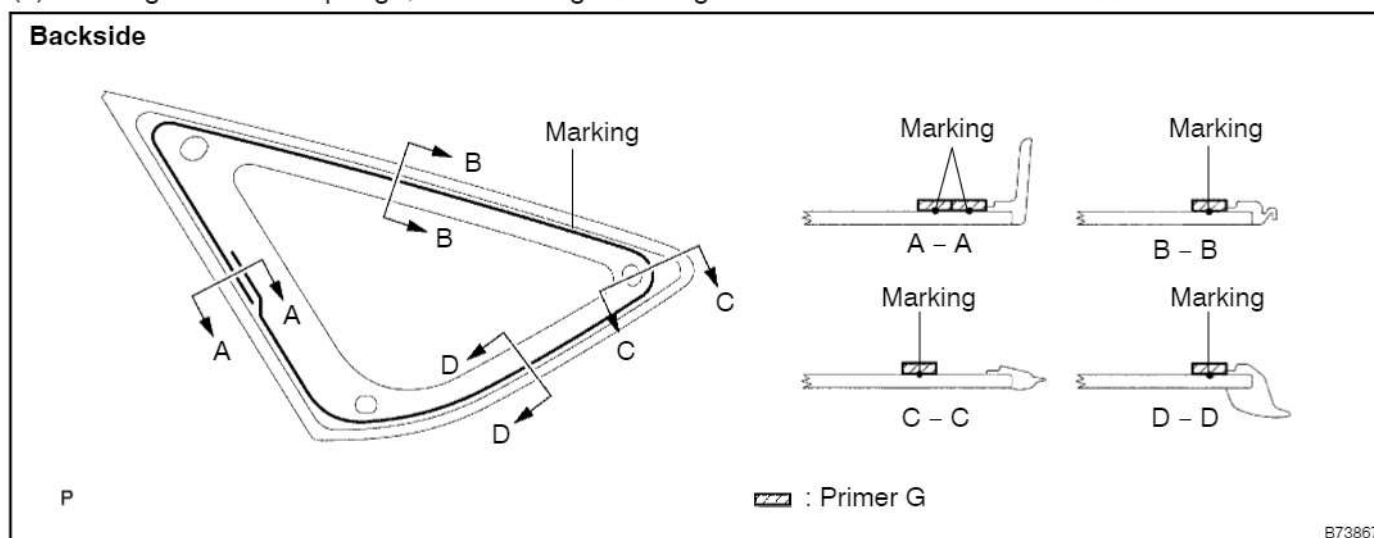
4. INSTALL QUARTER WINDOW

- (a) Using a brush, coat the exposed part of the vehicle body with Primer M.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Do not coat the adhesive with Primer M.
- Throw away any leftover Primer M.
- Do not apply too much Primer M.

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



HINT:

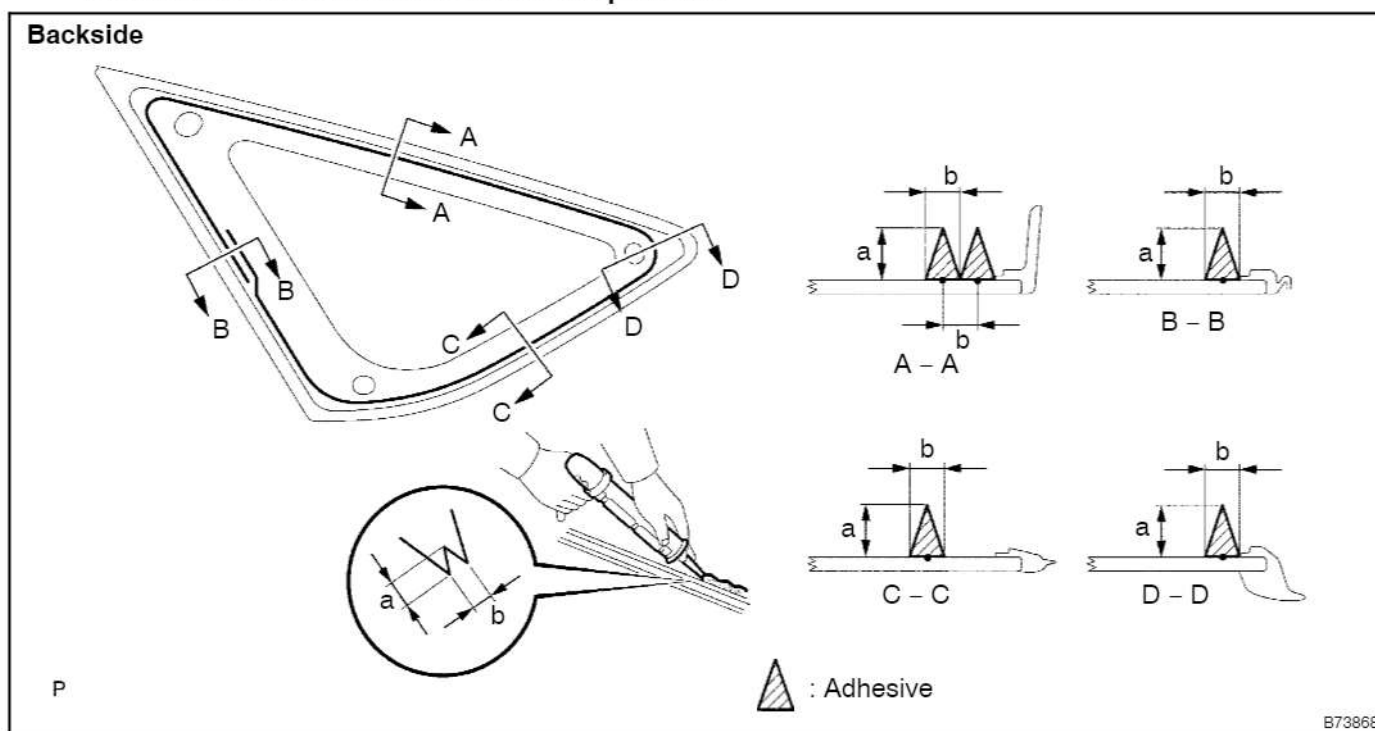
If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

(c) Apply adhesive.

Adhesive: Part No. 08850-00801 or equivalent



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

HINT:

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

Usage timeframe

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 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.

Specification:

Area	Measurement
a	12 mm (0.47 in.)
b	8 mm (0.31 in.)

(d) Install the quarter window glass to the vehicle body.

(1) Hold the quarter window glass in place securely with protective tape or equivalent until the adhesive hardens.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Check that the clips are attached to the vehicle body correctly.
- Check that the vehicle body and glass have a small gap between them.

- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.

NOTICE:

Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

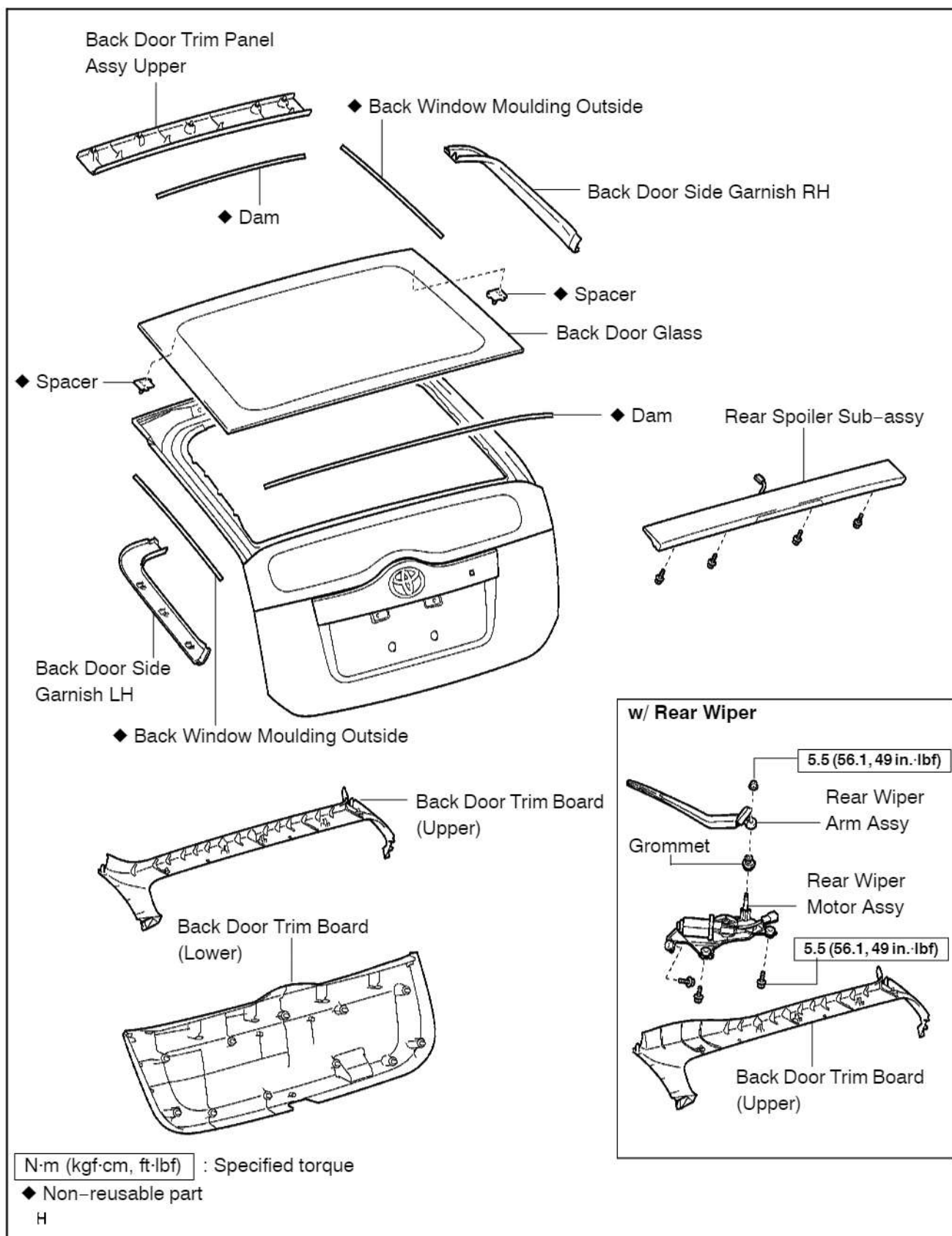
Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

5. CHECK FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

BACK DOOR GLASS COMPONENTS

7012E-01

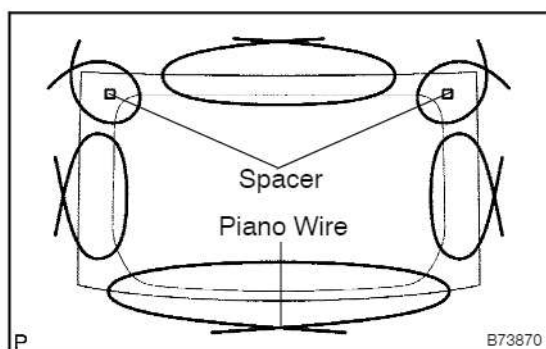


B79455

REPLACEMENT

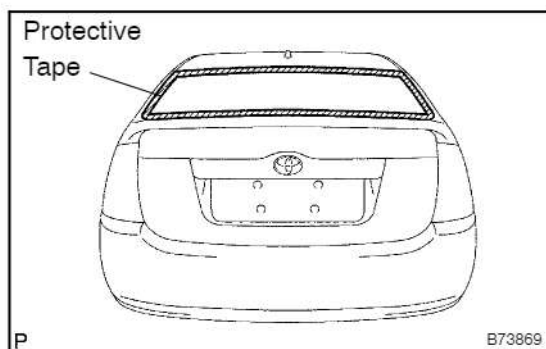
HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
 - A bolt without a torque specification is shown in the standard bolt chart ([see page 03-2](#)).
1. **w/ Rear wiper:**
REMOVE REAR WIPER ARM ASSY ([See page 66-22](#))
 2. **REMOVE BACK DOOR SIDE GARNISH** ([See page 76-24](#))
 - (a) Remove the back door trim board (lower).
 - (b) Remove the back door trim board (upper).
 - (c) Remove the back door trim panel upper.
 - (d) Remove the back door side garnish LH and RH.
 3. **w/ Rear wiper:**
REMOVE REAR WIPER MOTOR ASSY ([See page 66-22](#))
 4. **REMOVE REAR SPOILER SUB-ASSY** ([See page 76-10](#))



5. REMOVE BACK DOOR GLASS

- (a) From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- (b) Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.



HINT:

Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

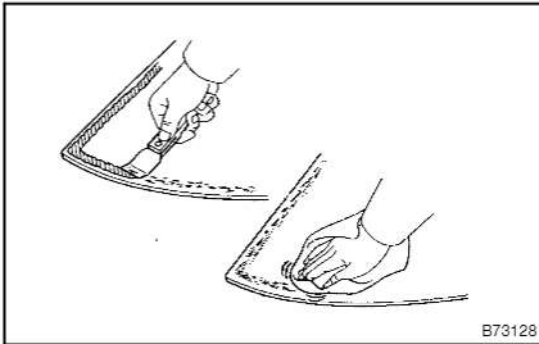
NOTICE:

When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.

- (c) Cut through the adhesive by pulling the piano wire around the glass.
- (d) Using a suction cup, remove the glass.

NOTICE:

Leave as much adhesive on the vehicle body as possible when removing the glass.

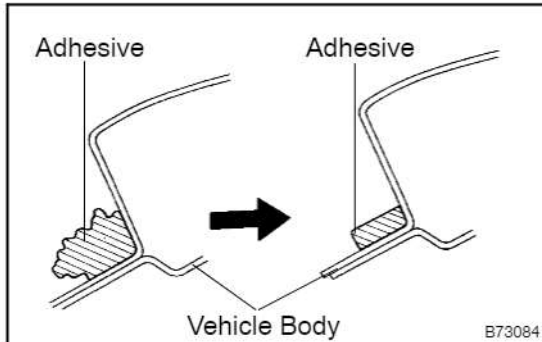


6. CLEAN BACK DOOR GLASS

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

NOTICE:

- Do not touch the glass surface after cleaning it.
- Even if using new glass, clean the glass with white gasoline.



7. CLEAN VEHICLE BODY

- (a) Clean and shape the contact surface of the vehicle body.
 - (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

NOTICE:

Be careful not to damage the vehicle body.

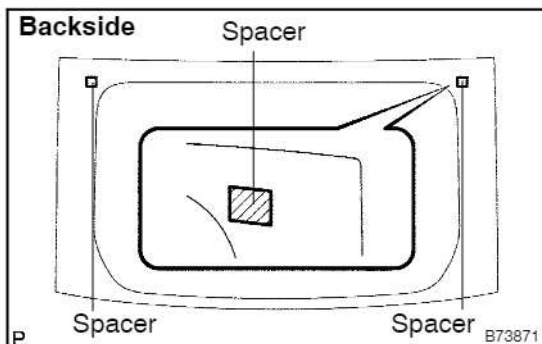
HINT:

Leave as much adhesive on the vehicle body as possible.

- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

HINT:

Even if all the adhesive has been removed, clean the vehicle body.



8. INSTALL BACK WINDOW GLASS SPACER

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

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

- (b) Install 2 new spacers onto the glass, as shown in the illustration.

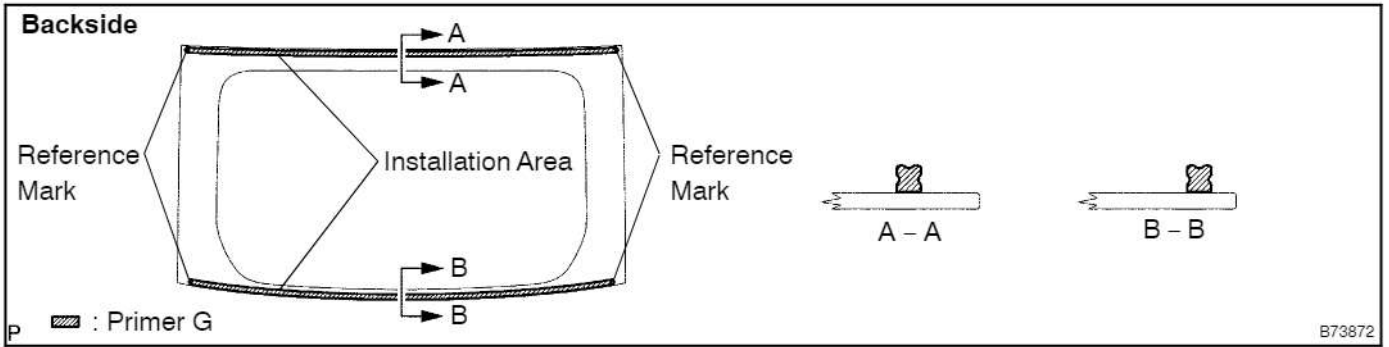
9. INSTALL BACK DOOR GLASS ADHESIVE DAM

- (a) Coat the installation part of the back door glass adhesive dams with Primer G.

NOTICE:

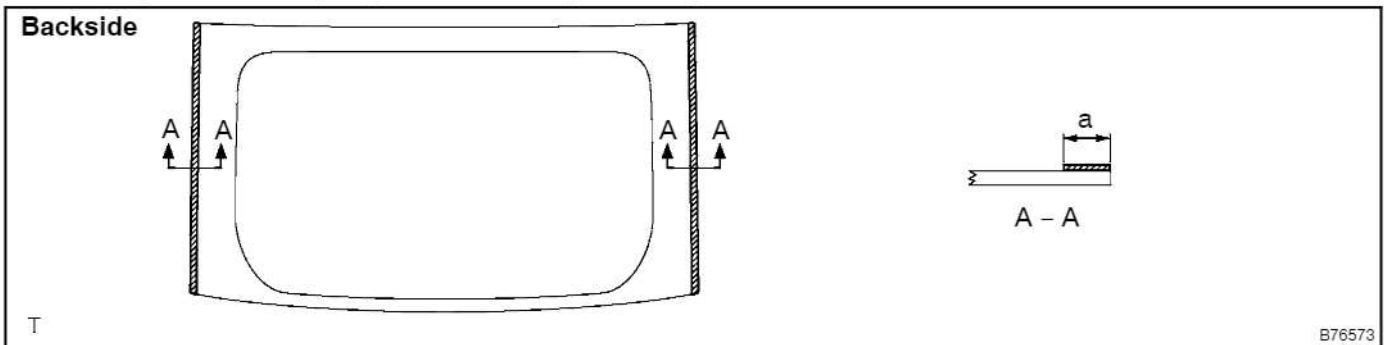
- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

- (b) Install the new dam, as shown in the illustration.



10. INSTALL BACK WINDOW MOULDING OUTSIDE

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



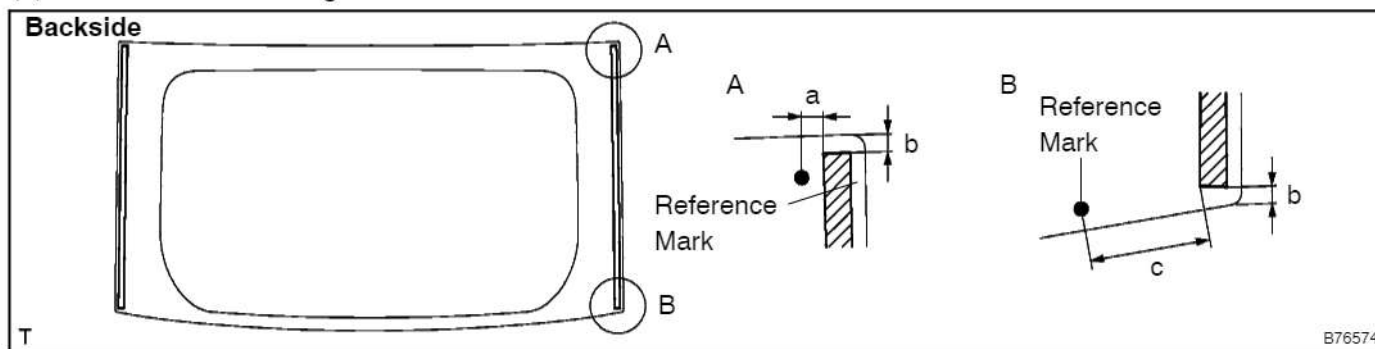
NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

Specification:

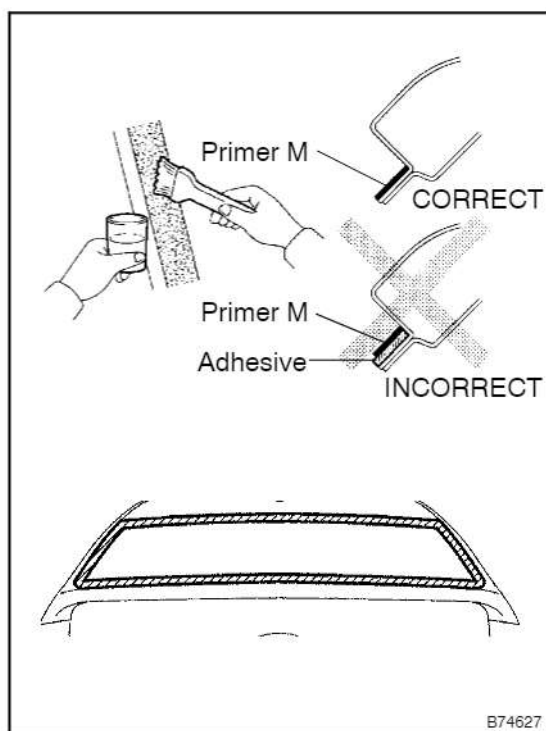
Area	Measurement
a	10 mm (0.39 in.)

(b) Install the moulding.



Specification:

Area	Measurement
a	4.5 mm (0.18 in.)
b	1.5 mm (0.06 in.)
c	24.2 mm (0.95 in.)



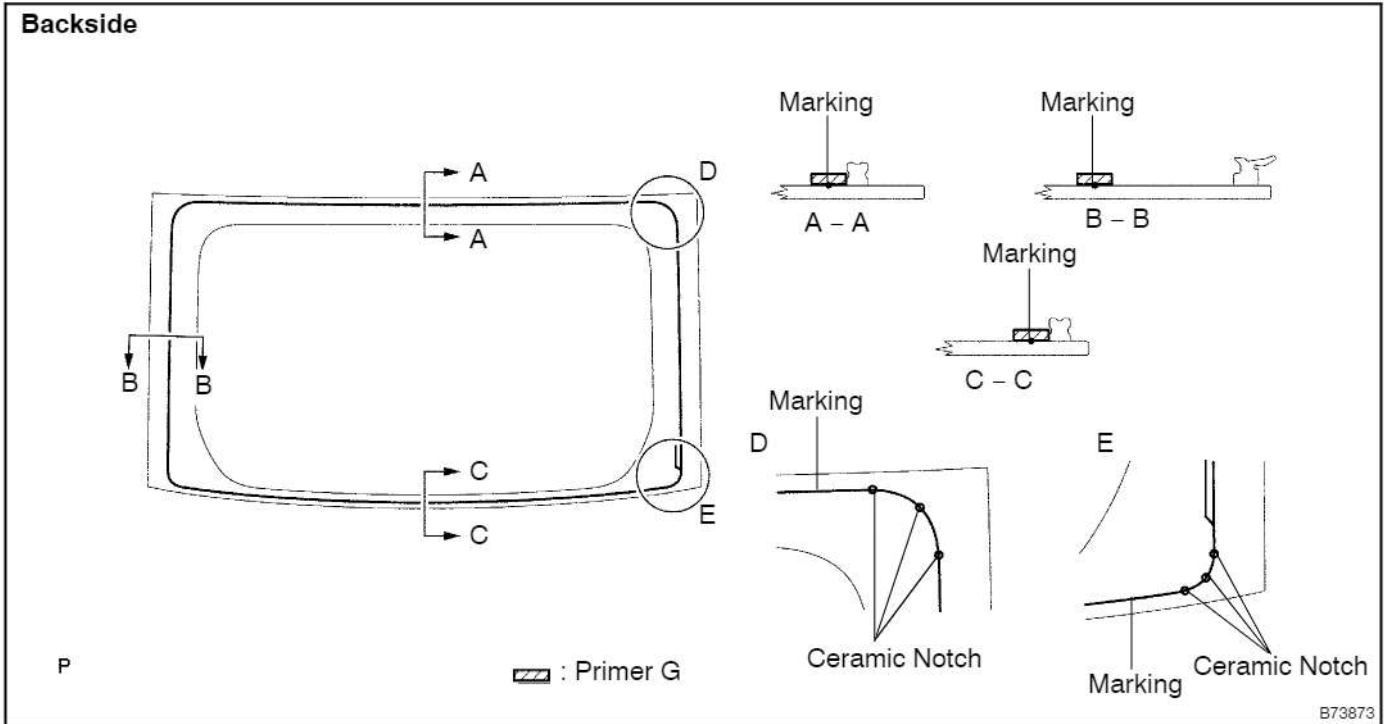
11. INSTALL BACK DOOR GLASS

(a) Using a brush, coat the exposed part of the vehicle body with Primer M.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Do not coat the adhesive with Primer M.
- Throw away any leftover Primer M.
- Do not apply too much Primer M.

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



HINT:

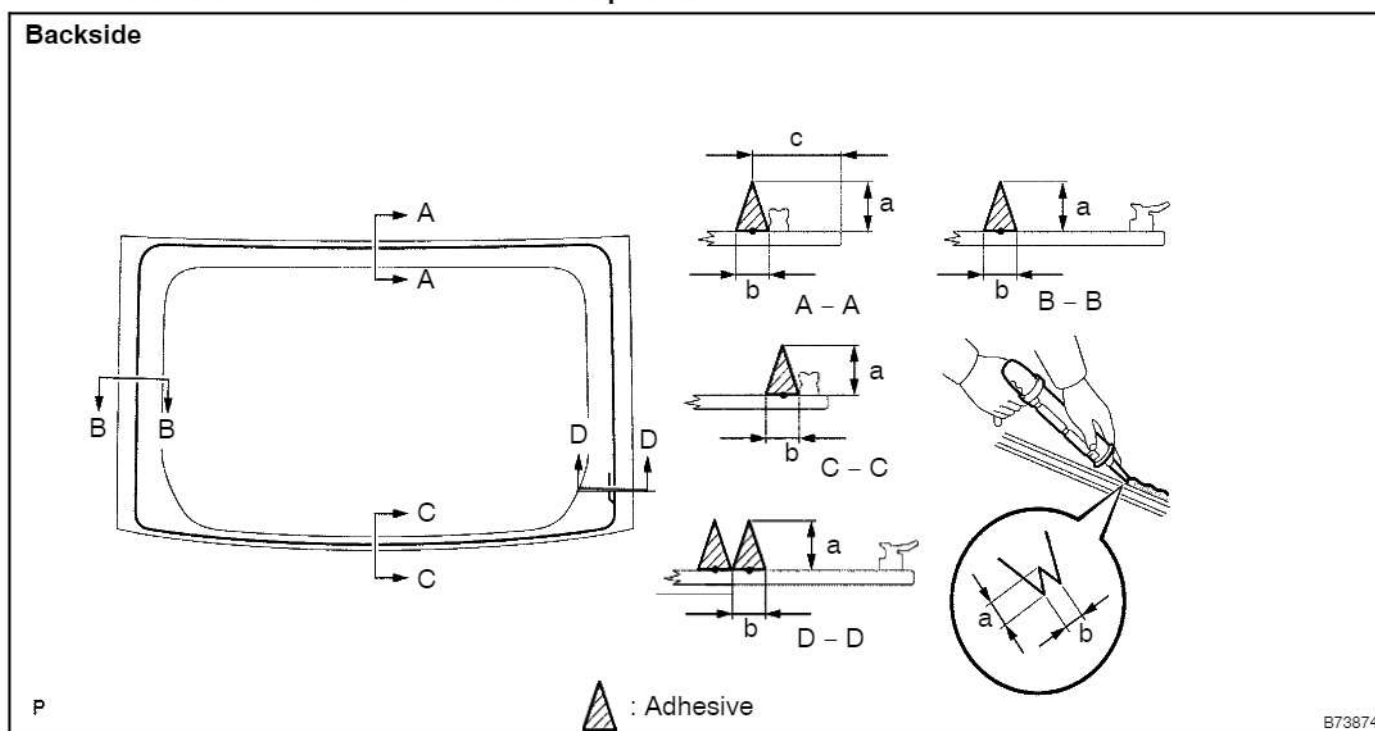
If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

(c) Apply adhesive.

Adhesive: Part No. 08850-00801 or equivalent



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

HINT:

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

Usage timeframe:

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 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.

Specification:

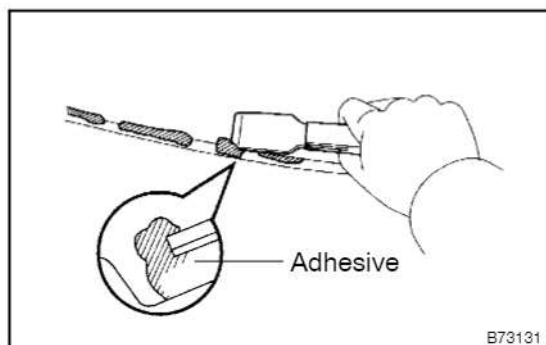
Area	Measurement
a	12 mm (0.47 in.)
b	8 mm (0.31 in.)
c	14.5 mm (0.57 in.)

(d) Install the back window glass to the vehicle body.

(1) Hold the back window glass in place securely with protective tape or equivalent until the adhesive hardens.

NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
 - **Check that the spacers are attached to the vehicle body correctly.**
 - **Check that the vehicle body and glass have a small gap between them.**
- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.



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

HINT:

Apply adhesive onto the glass rim.

NOTICE:

Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

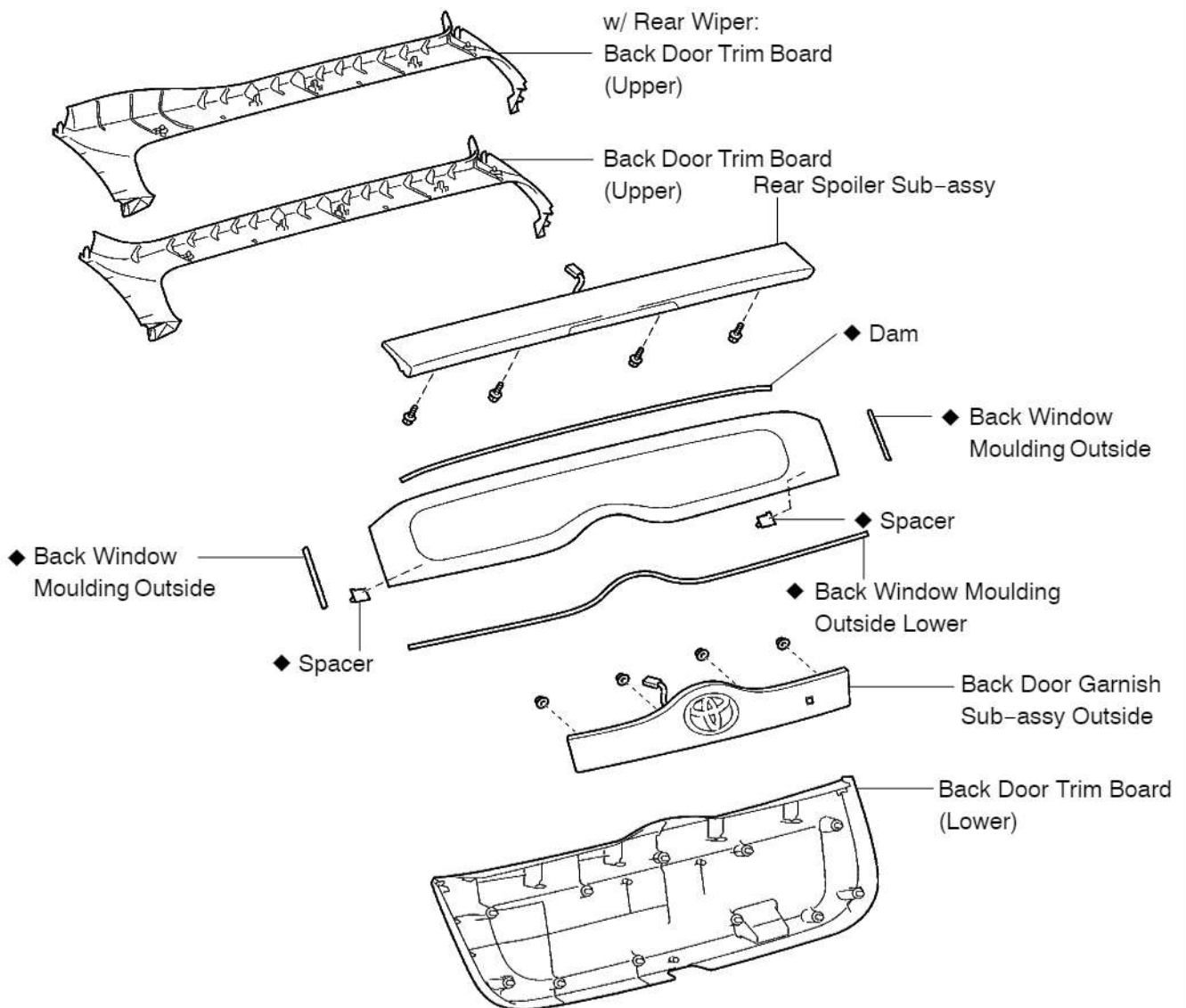
Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

12. CHECK FOR LEAKS AND REPAIR

- Conduct a leak test after the adhesive has completely hardened.
- Seal any leaks with auto glass sealer.

BACK WINDOW FIX GLASS COMPONENTS

7012G-01



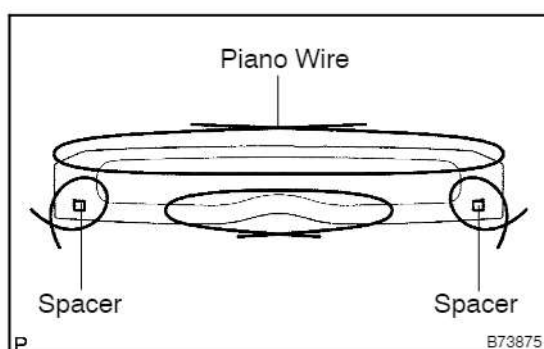
H

B76570

REPLACEMENT

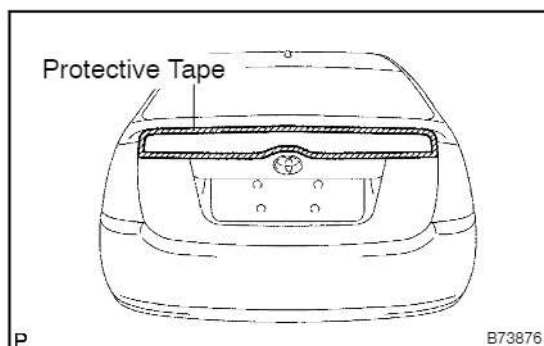
HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
 - A bolt without a torque specification is shown in the standard bolt chart (see page 03-2).
- 1. REMOVE BACK DOOR GARNISH SUB-ASSY OUTSIDE (See page 76-24)**
 - Remove the back door trim board (lower).
 - Remove the back door trim board (upper).
 - Remove the back door garnish outside.
 - 2. REMOVE REAR SPOILER SUB-ASSY (See page 76-10)**



3. REMOVE BACK WINDOW FIX GLASS

- From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.



HINT:

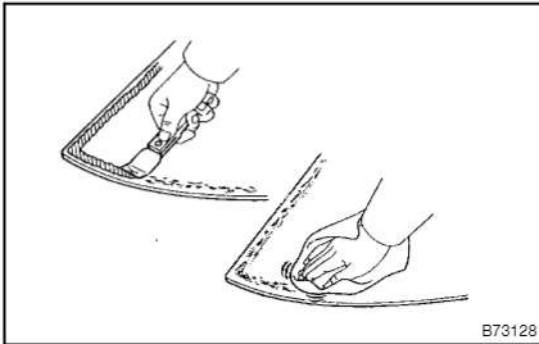
Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

NOTICE:

- When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.**
- Cut through the adhesive by pulling the piano wire around the glass.
 - Using a suction cup, remove the glass.

NOTICE:

Leave as much adhesive on the vehicle body as possible when removing the glass.

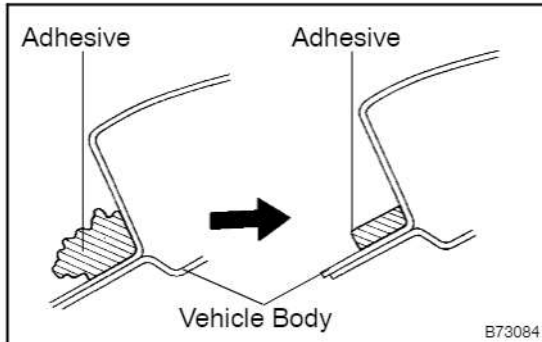


4. CLEAN BACK WINDOW FIX GLASS

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

NOTICE:

- **Do not touch the glass surface after cleaning it.**
- **Even if using new glass, clean the glass with white gasoline.**



5. CLEAN VEHICLE BODY

- (a) Clean and shape the contact surface of the vehicle body.
 - (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

NOTICE:

Be careful not to damage the vehicle body.

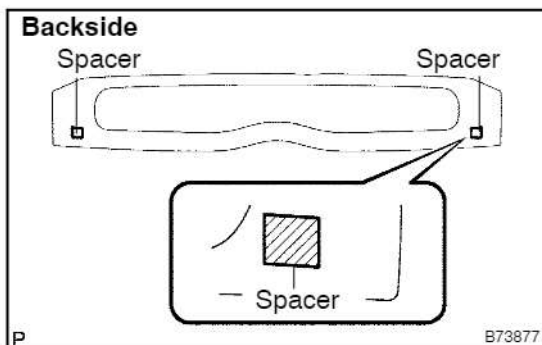
HINT:

Leave as much adhesive on the vehicle body as possible.

- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

HINT:

Even if all the adhesive has been removed, clean the vehicle body.



6. INSTALL BACK WINDOW GLASS SPACER

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

NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
- **Throw away any leftover Primer G.**
- **Do not apply too much Primer G.**

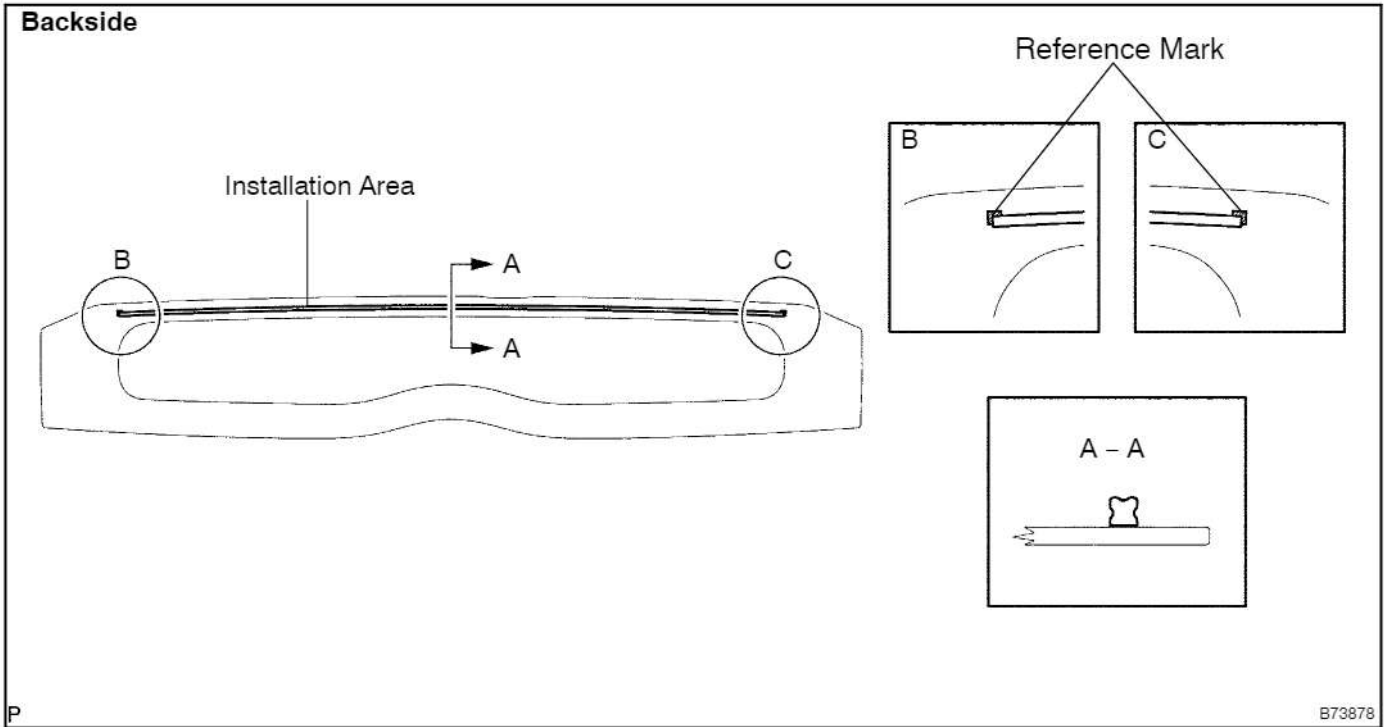
- (b) Install 2 new spacers onto the glass, as shown in the illustration.

7. INSTALL BACK WINDOW GLASS ADHESIVE DAM KIT

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

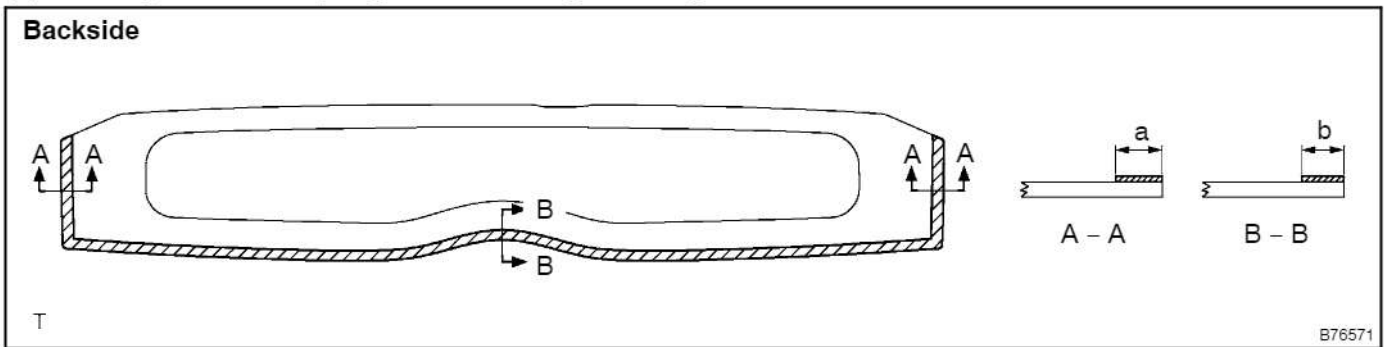
NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
 - Throw away any leftover Primer G.
 - Do not apply too much Primer G.
- (b) Install a new dam, as shown in the illustration.



8. INSTALL BACK WINDOW MOULDING OUTSIDE

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

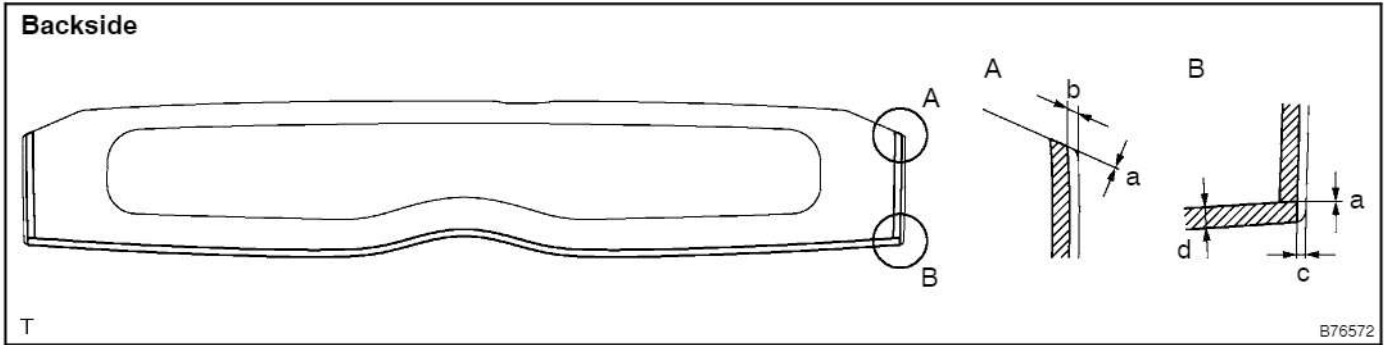


NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
 - Throw away any leftover Primer G.
 - Do not apply too much Primer G.
- Specification:**

Area	Measurement
a	10 mm (0.39 in.)
b	9 mm (0.35 in.)

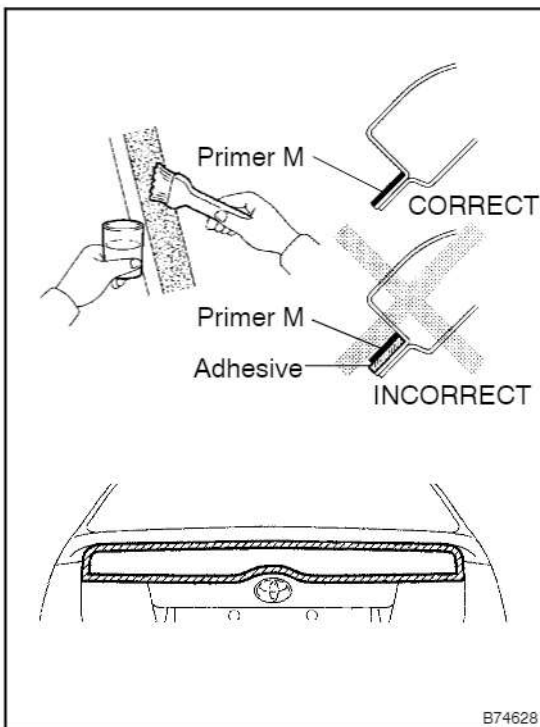
(b) Install the moulding, as shown in the illustration.



Specification:

Area	Measurement
a	0 mm (0 in.)
b	3 mm (0.12 in.)
c	1.5 mm (0.06 in.)
d	6.5 mm (0.26 in.)

9. INSTALL BACK DOOR GARNISH SUB-ASSY OUTSIDE (See page 76-24)



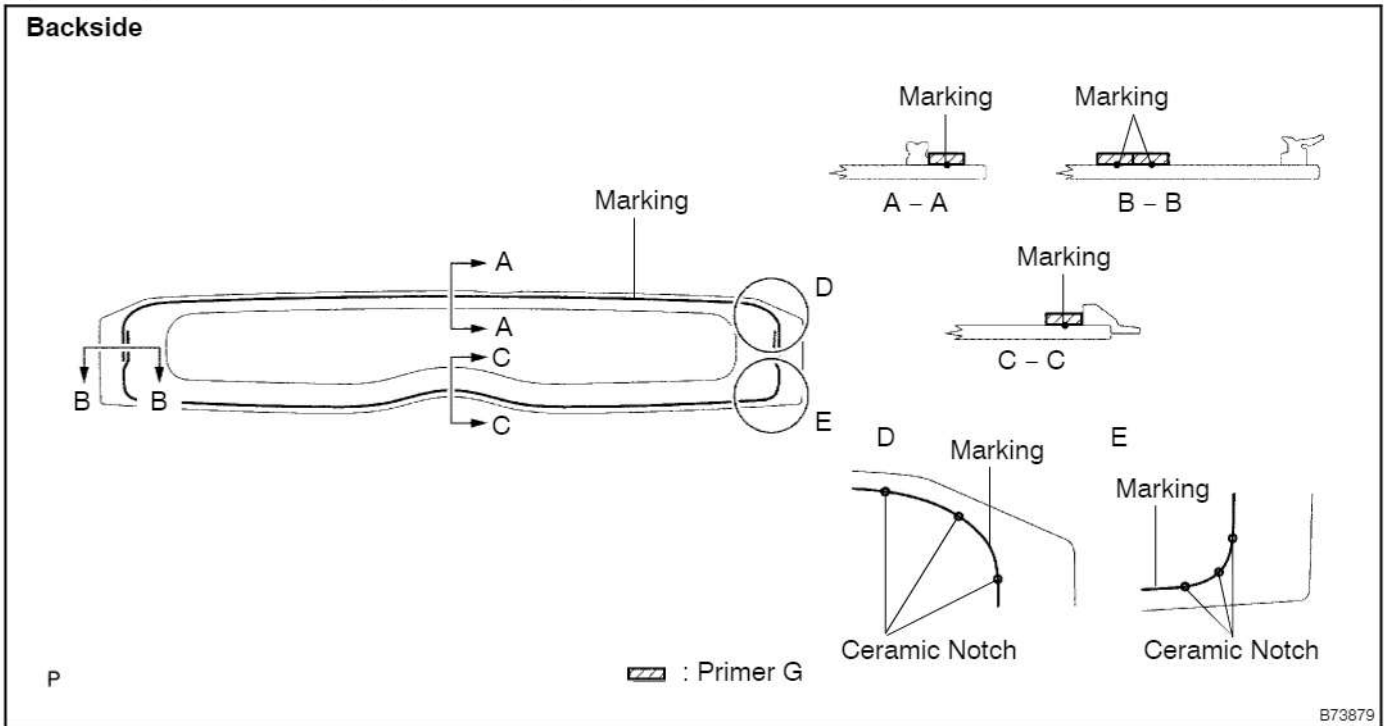
10. INSTALL BACK WINDOW FIX GLASS

(a) Using a brush, coat the exposed part of the vehicle body with Primer M.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Do not coat the adhesive with Primer M.
- Throw away any leftover Primer M.
- Do not apply too much Primer M.

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



HINT:

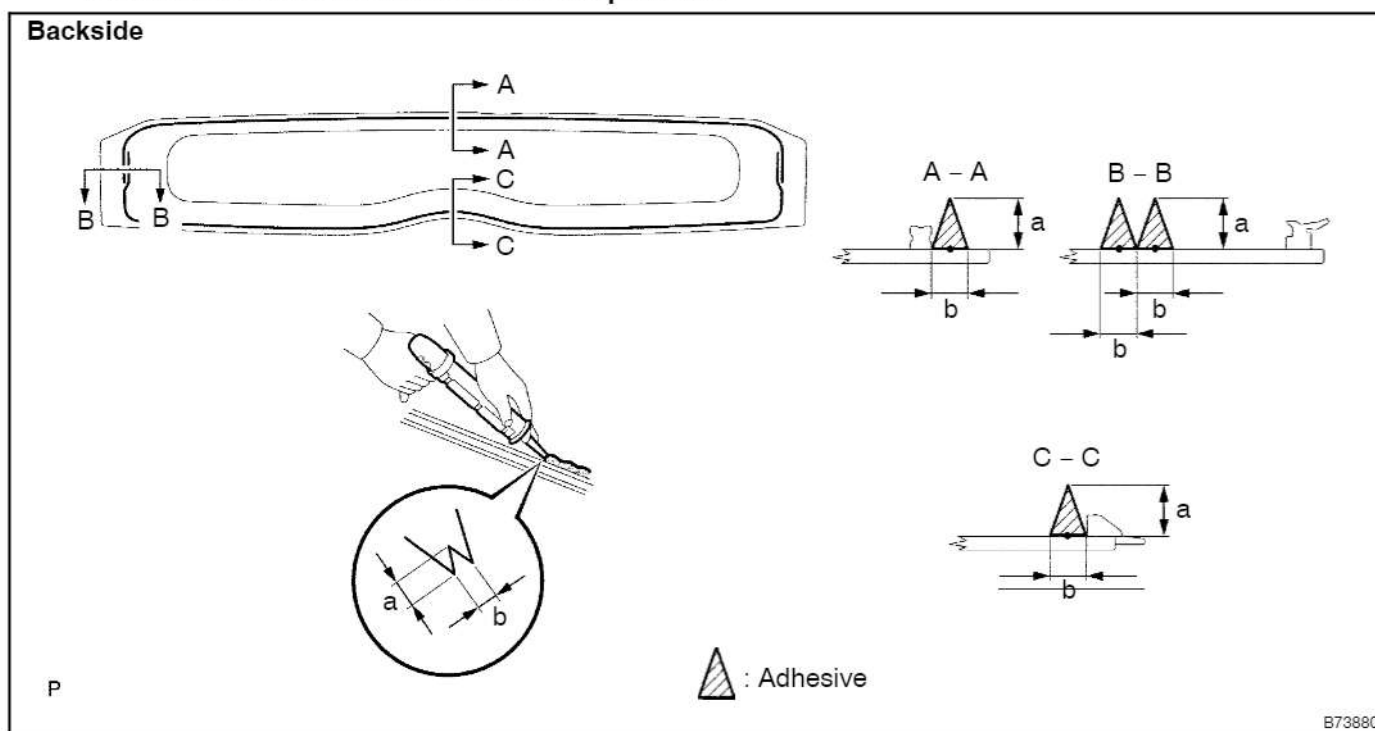
If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

NOTICE:

- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.

(c) Apply adhesive.

Adhesive: Part No. 08850-00801 or equivalent



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

HINT:

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

Usage timeframe:

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 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.

Specification:

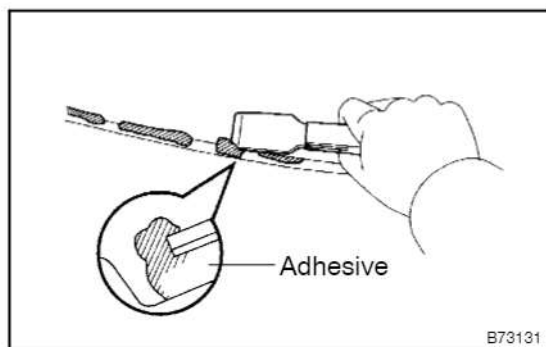
Area	Measurement
a	12 mm (0.47 in.)
b	8 mm (0.31 in.)

(d) Install the back window fix glass to the vehicle body.

(1) Hold the back window fix glass in place securely with protective tape or equivalent until the adhesive hardens.

NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
 - **Check that the spacers are attached to the vehicle body correctly.**
 - **Check that the vehicle body and glass have a small gap between them.**
- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.



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

HINT:

Apply adhesive onto the glass rim.

NOTICE:

Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

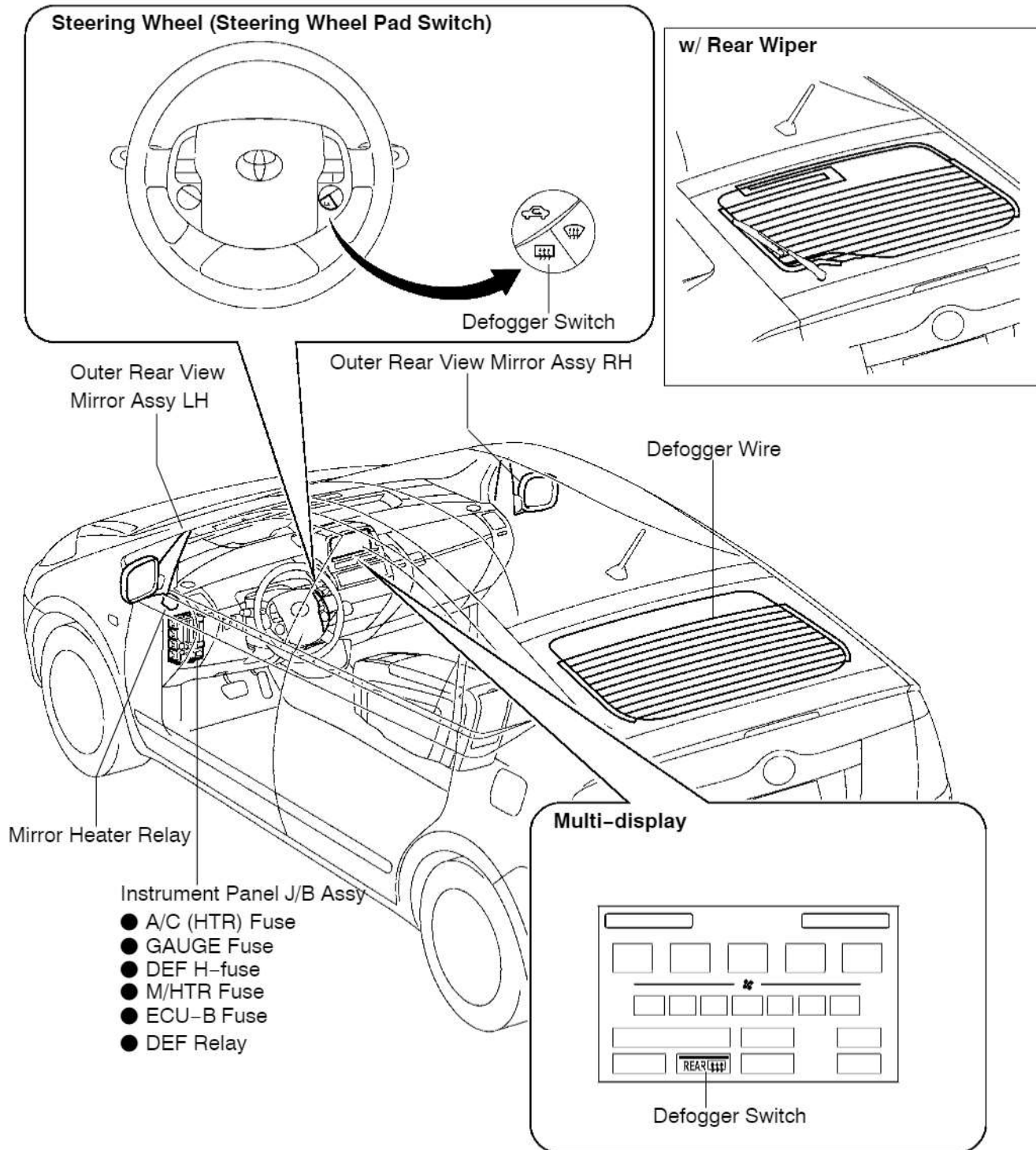
11. CHECK FOR LEAKS AND REPAIR

- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

WINDOW DEFOGGER SYSTEM LOCATION

70125-01

LHD Models

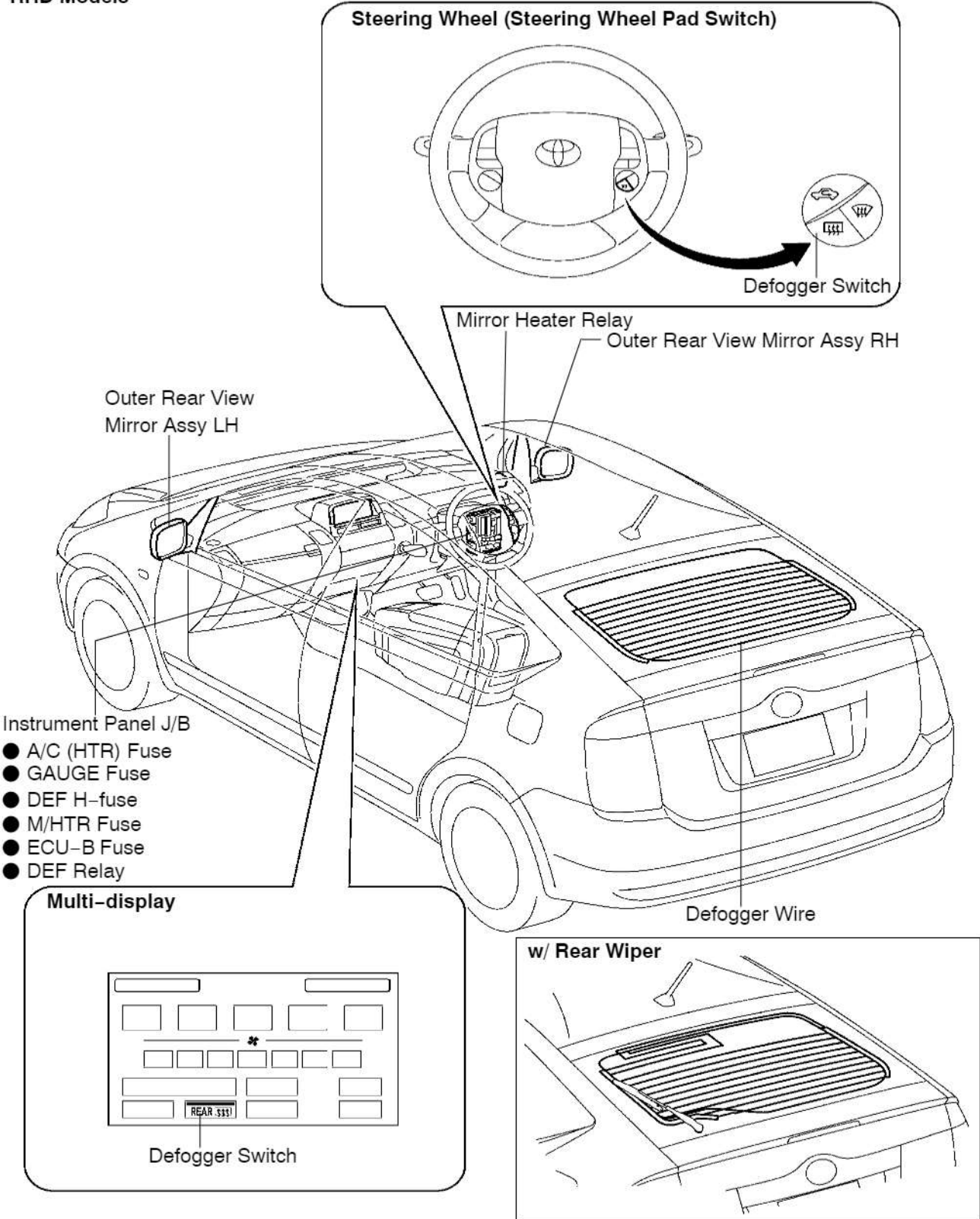


cardiagn.com

H

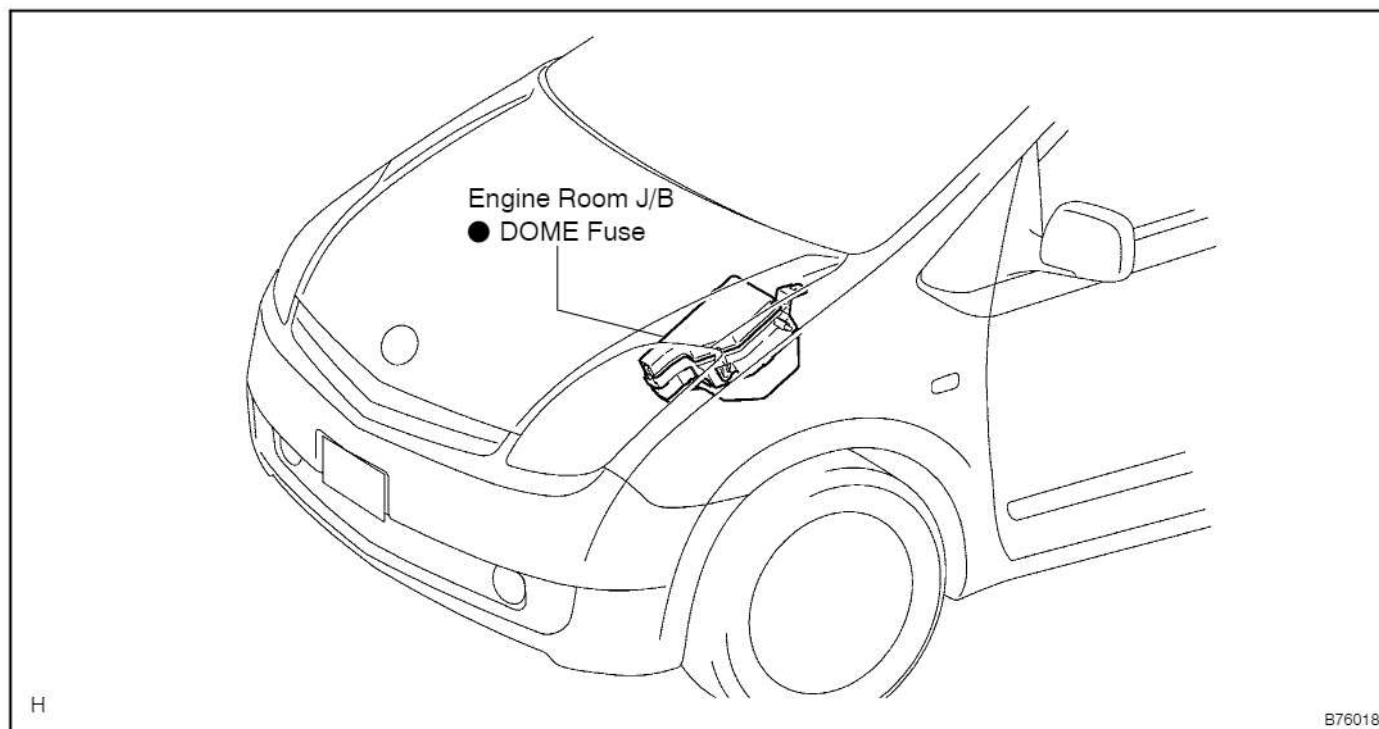
B75974

RHD Models

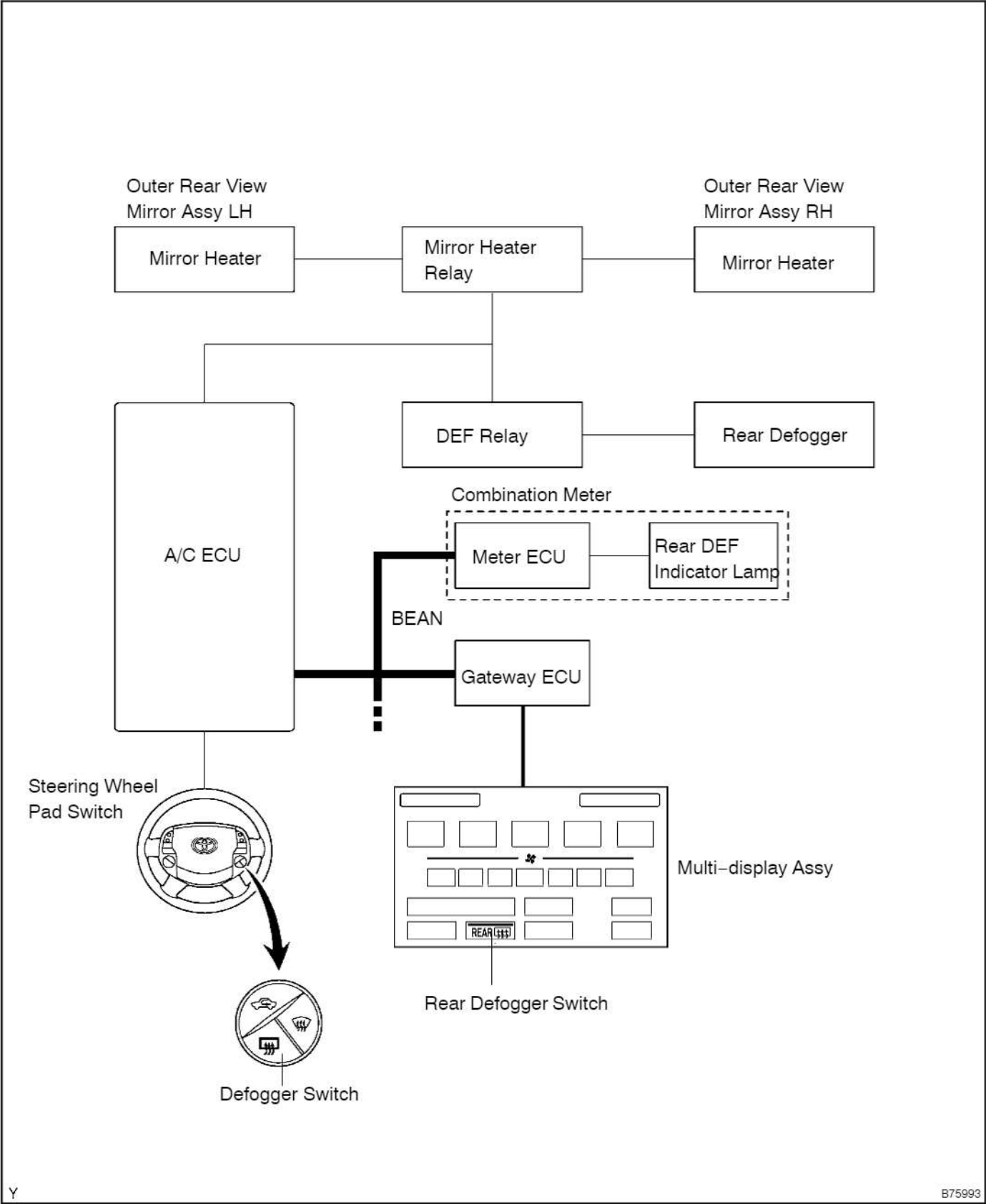


H

B75975



SYSTEM DIAGRAM



DESCRIPTION

The defogger system uses the heater wire in the rear windshield glass to defog the rear windshield glass. The circuit of this system is shared with the outside rear view mirror heater system, which operates in the same manner.

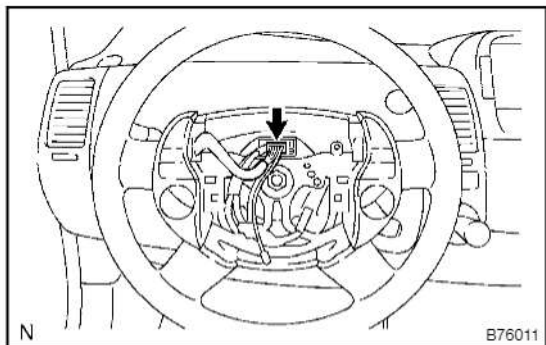
PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Rear window defogger does not operate (Indicator ON)	1. DEFOG H-fuse	70-36
	2. A/C (HTR) fuse	70-36
	3. GAUGE fuse	70-36
	4. DOME fuse	70-36
	5. ECU-B fuse	70-36
	6. DEF relay	70-42
	7. Rear window defogger wire	70-42
	8. Wire harness	-
Rear window defogger does not operate (Indicator OFF)	1. DEFOG H-fuse	70-36
	2. A/C (HTR) fuse	70-36
	3. GAUGE fuse	70-36
	4. DOME fuse	70-36
	5. ECU-B fuse	70-36
	6. DEF relay	70-42
	7. Combination meter	05-1035
	8. Steering wheel pad switch	70-42
	9. Multi-display assy	05-1035
	10. Rear window defogger wire	70-42
	11. Wire harness	-
Mirror heater does not operate (Indicator ON)	1. M/HTR fuse	70-36
	2. A/C (HTR) fuse	70-36
	3. GAUGE fuse	70-36
	4. DOME fuse	70-36
	5. ECU-B fuse	70-36
	6. Mirror heater relay	70-42
	7. Outer rear view mirror assy	70-42
	8. Wire harness	-
Mirror heater does not operate (Indicator OFF)	1. M/HTR fuse	70-36
	2. A/C (HTR) fuse	70-36
	3. GAUGE fuse	70-36
	4. DOME fuse	70-36
	5. ECU-B fuse	70-36
	6. Mirror heater relay	70-42
	7. Combination meter	05-1035
	8. Steering wheel pad switch	70-42
	9. Multi-display assy	05-1035
	10. Outer rear view mirror assy	70-42
	11. Wire harness	-

HINT:

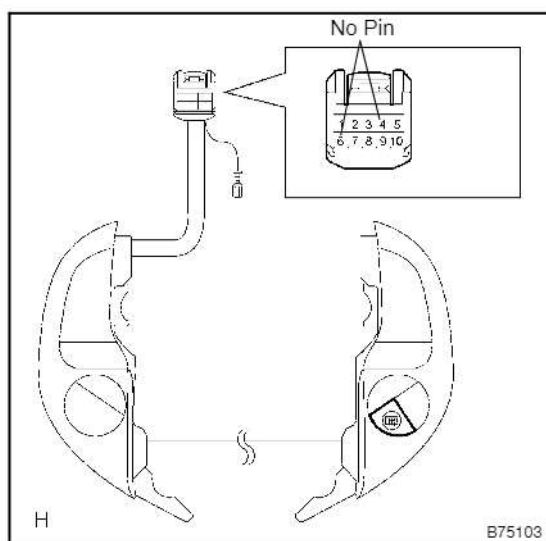
The window defogger system is part of the large-scale multiplex communication system. This system features shared communication wiring that reduces the wiring complexity of the communication lines. The first step in any repair is to confirm the proper operation of the communication system. Proceed with troubleshooting after the communication has been verified (see Multiplex Communication System).

INSPECTION



1. INSPECT STEERING WHEEL PAD SWITCH

- (a) Remove the steering wheel pad (see page 60-20).
- (b) Disconnect the connector, as shown in the illustration.

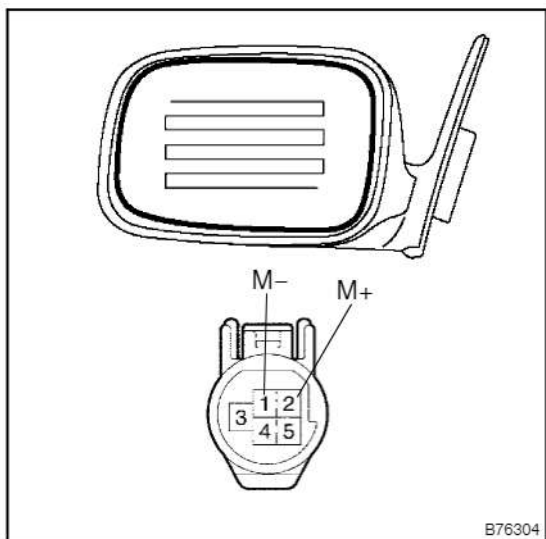


- (c) Measure the switch resistance.

Standard:

Tester Connection	Switch Condition	Specified Condition
3 - 7	OFF	29 - 31 k Ω
3 - 7	ON	290 - 305 Ω

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



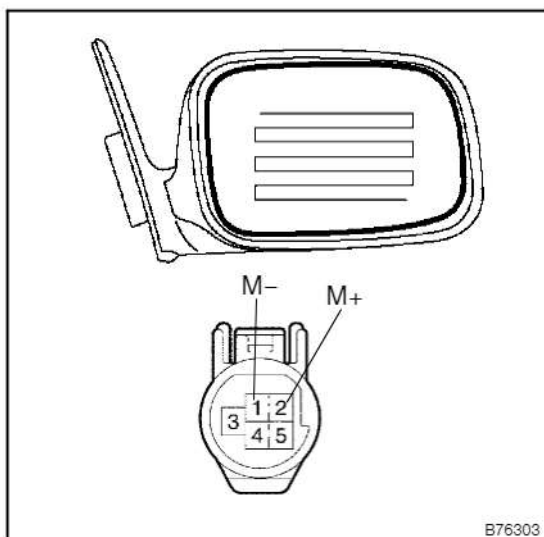
2. INSPECT OUTER REAR VIEW MIRROR ASSY LH

- (a) Apply battery voltage and check operation of the mirror heater.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 (M+)	Mirror becomes warm
Battery negative (-) → Terminal 1 (M-)	

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



B76303

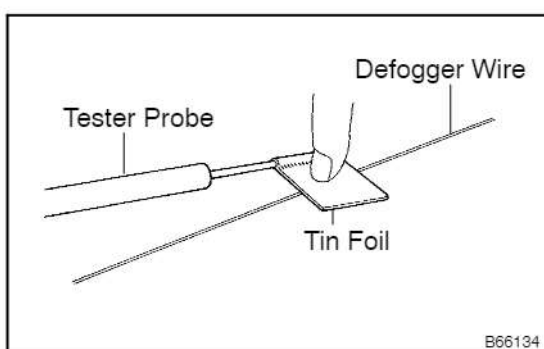
3. INSPECT OUTER REAR VIEW MIRROR ASSY RH

- (a) Apply battery voltage and check operation of the mirror heater.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 (M+)	Mirror becomes warm
Battery negative (-) → Terminal 1 (M-)	

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

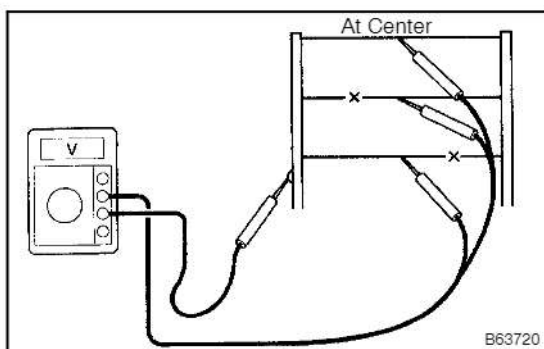


B66134

4. INSPECT BACK WINDOW (DEFOGGER WIRE)

NOTICE:

- When cleaning the glass, wipe the glass along the wire using a soft and dry cloth. Take care not to damage the wires.
- Do not use detergents or glass cleaners that have abrasive ingredients.
- When measuring voltage, wrap a piece of tin foil around the tip of the negative tester probe and press the foil against the wire with your finger, as shown in the illustration.

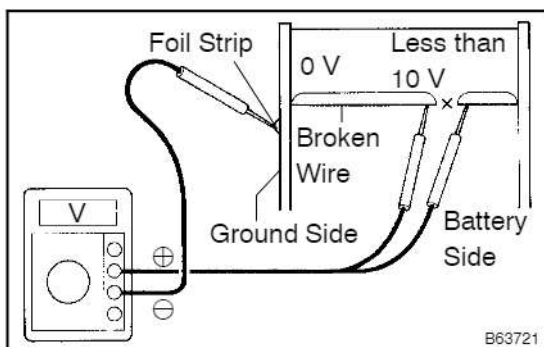


B63720

- (a) Change the power switch ON (ACC) by pushing the power switch.
- (b) Push the defogger switch ON.
- (c) Check the voltage at the center of each defogger wire, as shown in the illustration.

Standard:

Voltage	Criteria
Approx. 5 V	Wire is not broken
Approx. 10 or 0 V	Wire is broken



B63721

HINT:

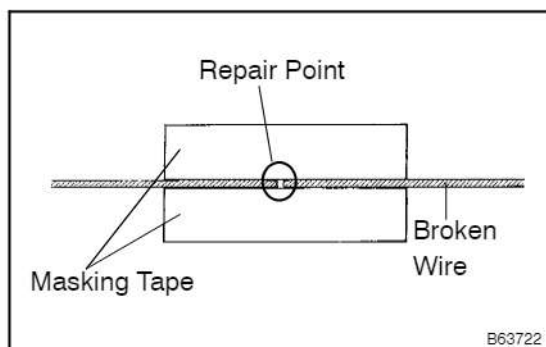
If there is approximately 10 V, the wire may be faulty between the center of the wire and the wire end on the battery side. If there is no voltage, the wire may be faulty between the center of the wire and the wire end on the ground side.

- (d) Place the voltmeter's positive (+) lead against the defogger wire on the battery side.
- (e) Place the voltmeter's negative (-) lead with the foil strip against the wire on the ground side.

- (f) Slide the positive (+) lead from the battery side to the ground side.
- (g) The point where the voltage jumps from approximately 10 V to 0 V is where the defogger wire is broken.

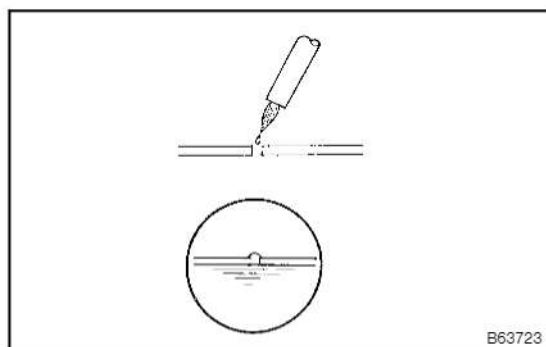
HINT:

If the defogger wire is not broken, the voltmeter should indicate 0 V at the positive (+) end of the defogger wire and gradually increases to approximately 12 V as the meter probe moves to the other end.



B63722

- (h) If necessary, repair the defogger wire.
 - (1) Clean the broken wire tips with grease, wax and silicone remover.
 - (2) Place the masking tape along both sides of the wire.
 - (3) Thoroughly mix the repair agent (Dupont paste No. 4817).

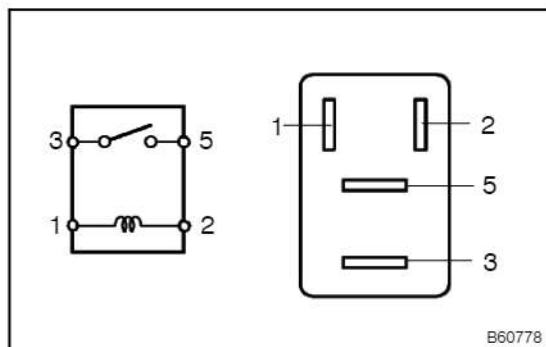


B63723

- (4) Using a fine tip brush, apply a small amount of the agent to the wire.
- (5) After a few minutes, remove the masking tape.

NOTICE:

Do not repair the defogger wire again for at least 24 hours.



B60778

5. INSPECT MIRROR HEATER RELAY

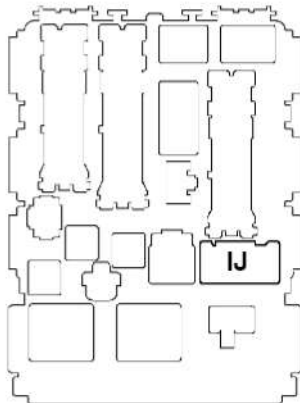
- (a) Remove the mirror heater relay.
- (b) Measure the resistance.

Standard:

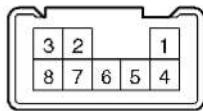
Tester Connection	Specified Condition
3 - 5	10 k Ω or higher
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

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

Instrument Panel J/B



(IJ)



Y

B79061

6. INSPECT DEF RELAY

- (a) Remove the instrument panel sub-assy lower (see page 71-7).
- (b) Measure the voltage.

Standard:

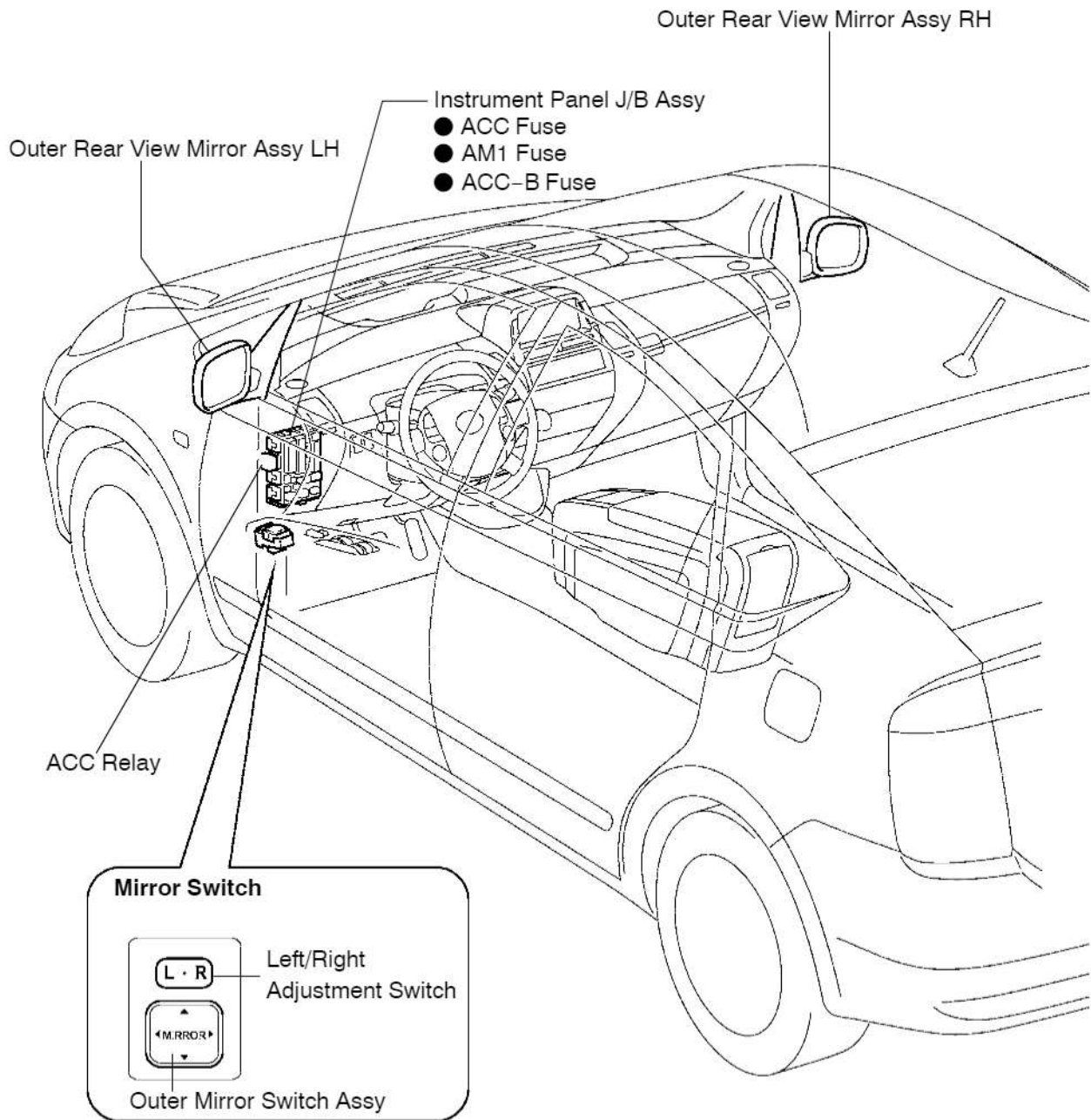
Terminal Connection	Power Switch Condition	Specified Condition
IJ-2 - Body ground	OFF to ON (ACC)	0 to 12-14 V

If the result is not as specified, replace the instrument panel J/B assy.

POWER MIRROR CONTROL SYSTEM LOCATION

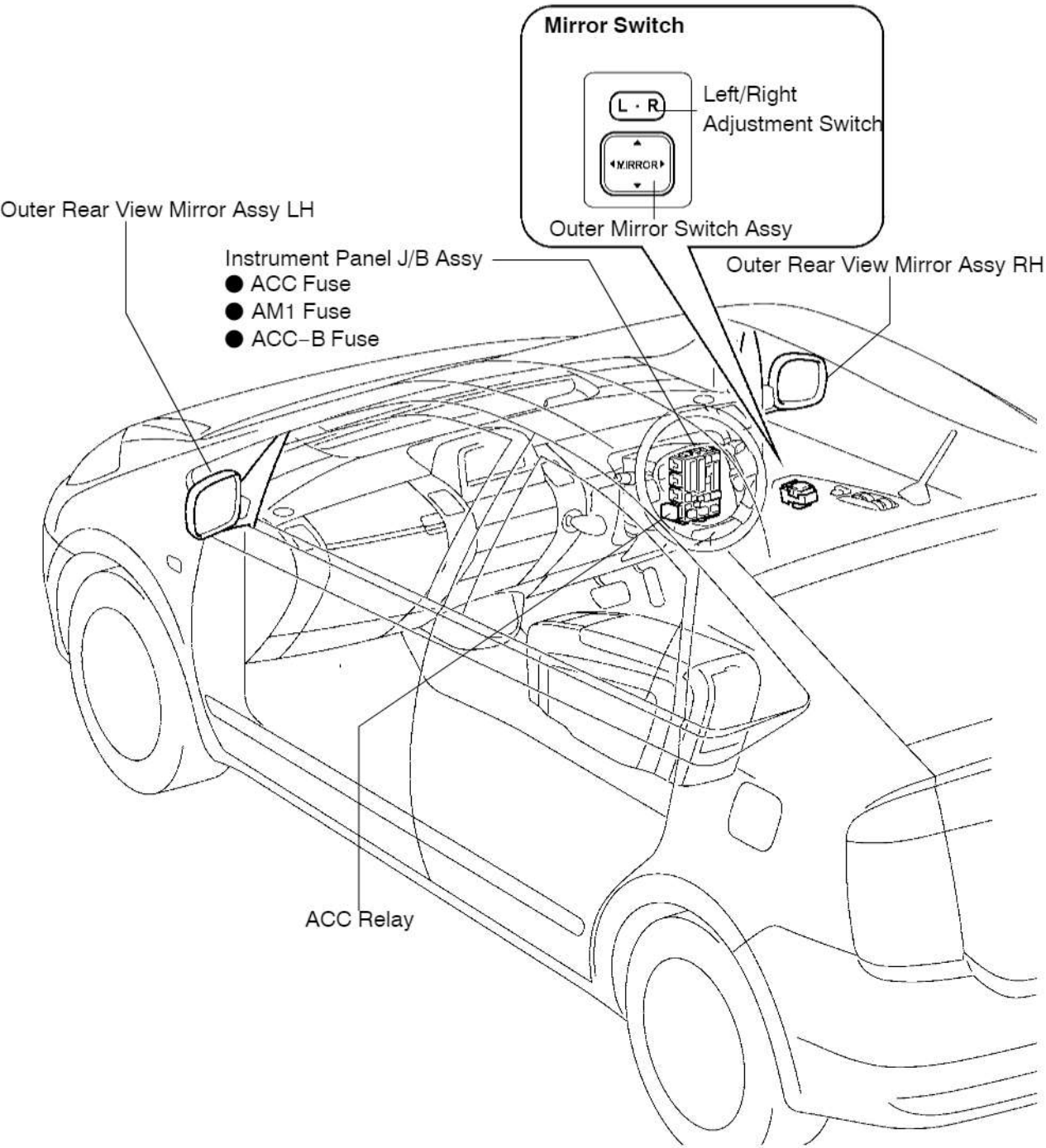
7011Z-01

LHD Models



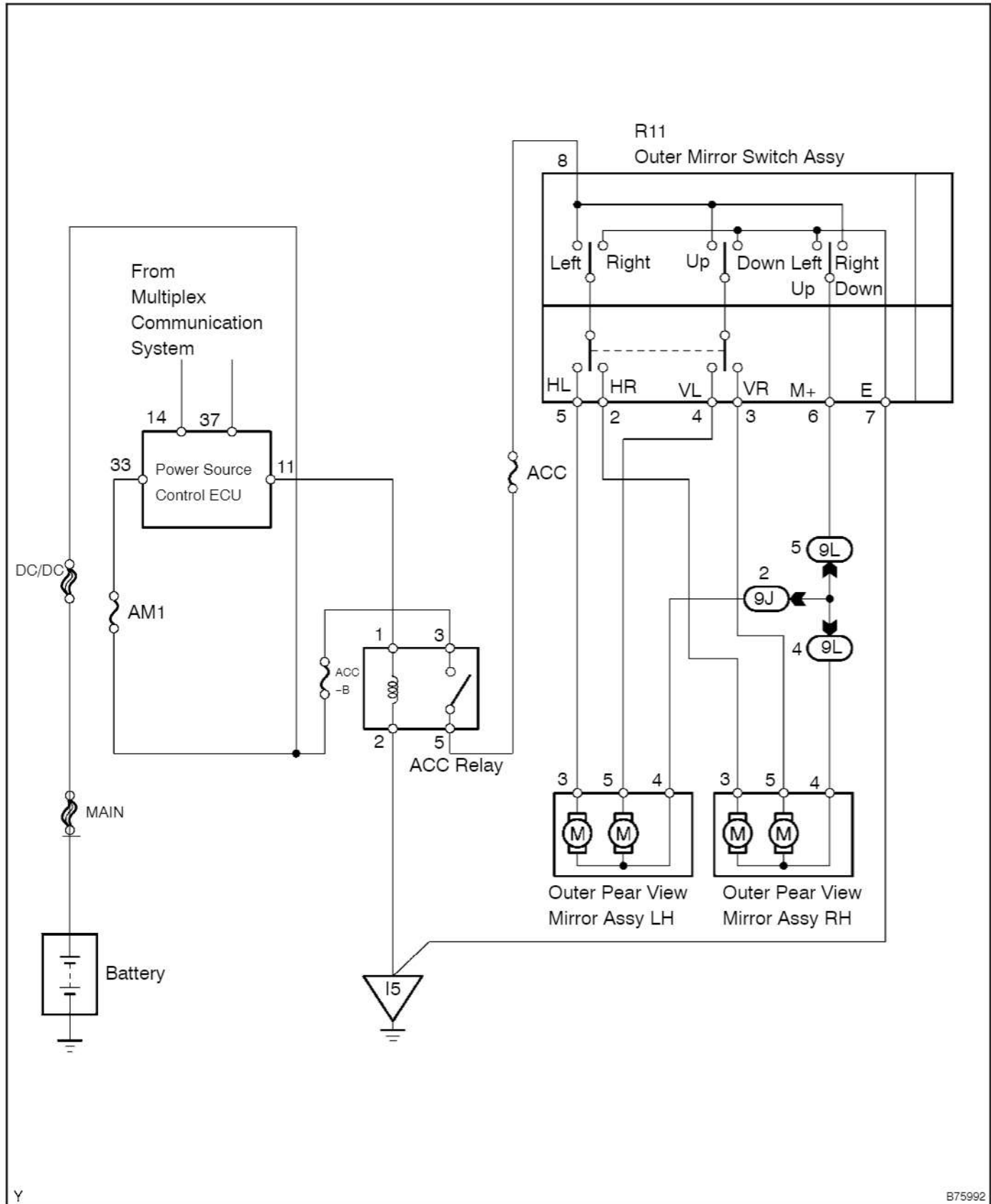
cardiagn.com

RHD Models



cardiagn.com

SYSTEM DIAGRAM

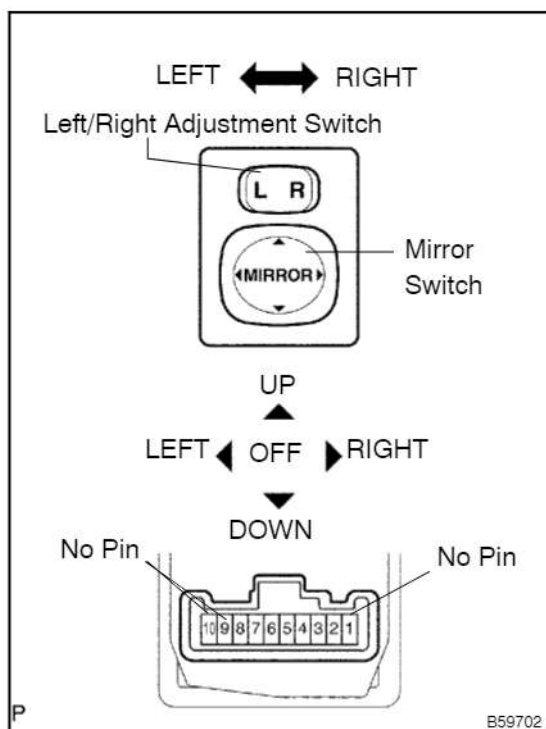


cardiagn.com

PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Mirror does not operate	1. ACC fuse	70-46
	2. AM1 fuse	70-46
	3. ACC-B fuse	70-46
	4. ACC relay	70-46
	5. Outer mirror switch assy	70-50
	6. Outer rear view mirror assy	70-50
	7. Wire harness	-
Mirror operates abnormally	1. ACC fuse	70-46
	2. AM1 fuse	70-46
	3. ACC-B fuse	70-46
	4. ACC relay	70-46
	5. Outer mirror switch assy	70-50
	6. Outer rear view mirror assy	70-50
	7. Wire harness	-

INSPECTION



1. INSPECT OUTER MIRROR SWITCH ASSY

- (a) Press L on the left/right adjustment switch. Measure the resistance between the mirror switch terminals.

Standard (Left side):

Terminal Connection	Switch Condition	Specified Condition
4 - 8 6 - 7	UP	Below 1 Ω
4 - 7 6 - 8	DOWN	Below 1 Ω
5 - 8 6 - 7	LEFT	Below 1 Ω
5 - 7 6 - 8	RIGHT	Below 1 Ω

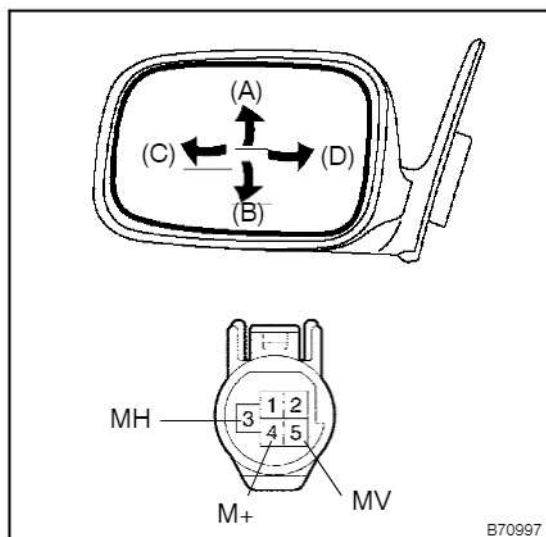
If the result is not as specified, replace the switch assy.

- (b) Press R on the left/right adjustment switch. Measure the resistance between the mirror switch terminals.

Standard (Right side):

Terminal Connection	Switch Condition	Specified Condition
3 - 8 6 - 7	UP	Below 1 Ω
3 - 7 6 - 8	DOWN	Below 1 Ω
2 - 8 6 - 7	LEFT	Below 1 Ω
2 - 7 6 - 8	RIGHT	Below 1 Ω

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



B70997

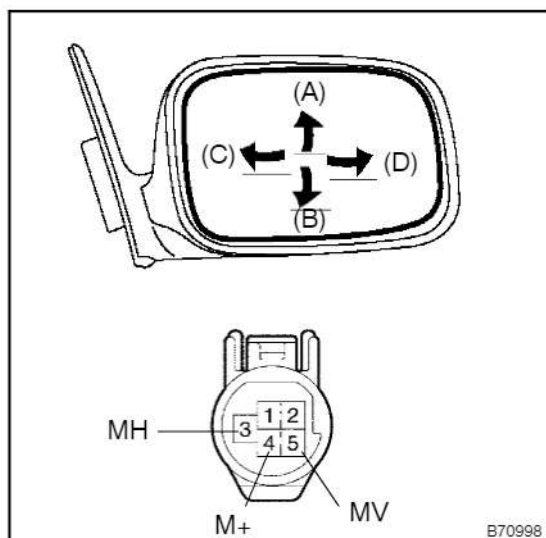
2. INSPECT OUTER REAR VIEW MIRROR ASSY LH

- Disconnect the mirror connector.
- Apply battery voltage to the mirror terminals and check operation of the mirror face, as shown in the table and illustration.

OK:

Measurement Condition	Mirror Operation
Battery positive (+) → Terminal 5 (MV) Battery negative (-) → Terminal 4 (M+)	Turns upward (A)
Battery positive (+) → Terminal 4 (M+) Battery negative (-) → Terminal 5 (MV)	Turns downward (B)
Battery positive (+) → Terminal 3 (MH) Battery negative (-) → Terminal 4 (M+)	Turns left (C)
Battery positive (+) → Terminal 4 (M+) Battery negative (-) → Terminal 3 (MH)	Turns right (D)

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



B70998

3. INSPECT OUTER REAR VIEW MIRROR ASSY RH

- Disconnect the mirror connector.
- Apply battery voltage to the mirror terminals and check operation of the mirror face, as shown in the table and illustration.

OK:

Measurement Condition	Mirror Operation
Battery positive (+) → Terminal 5 (MV) Battery negative (-) → Terminal 4 (M+)	Turns upward (A)
Battery positive (+) → Terminal 4 (M+) Battery negative (-) → Terminal 5 (MV)	Turns downward (B)
Battery positive (+) → Terminal 3 (MH) Battery negative (-) → Terminal 4 (M+)	Turns right (C)
Battery positive (+) → Terminal 4 (M+) Battery negative (-) → Terminal 3 (MH)	Turns left (D)

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

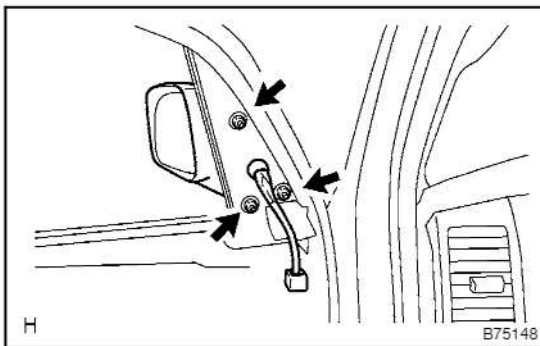
OUTER REAR VIEW MIRROR REPLACEMENT

70123-01

HINT:

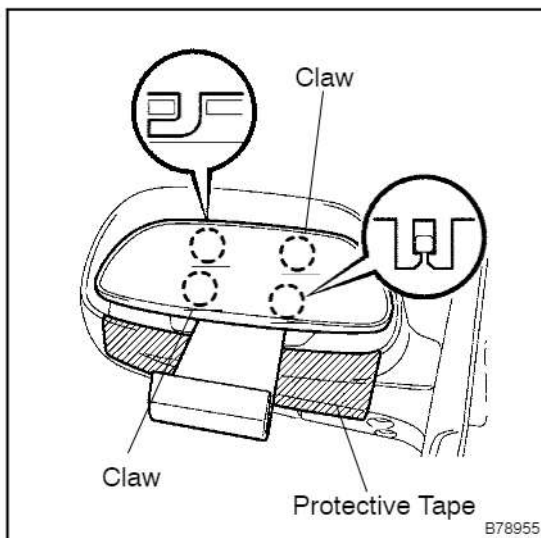
- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT DOOR INSIDE HANDLE BEZEL LH (See page 75-9)
2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page 75-9)
3. REMOVE DOOR PULL HANDLE (See page 75-9)
4. REMOVE FRONT ARMREST BASE PANEL UPPER LH (See page 75-9)
5. REMOVE FRONT DOOR TRIM BOARD SUB-ASSY LH (See page 75-9)



6. REMOVE OUTER REAR VIEW MIRROR ASSY

- (a) Disconnect the connector.
- (b) Remove the 3 nuts and mirror.

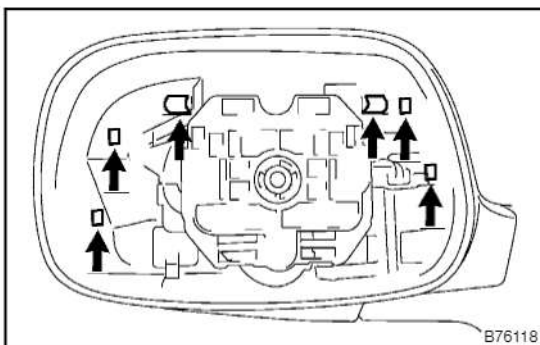


7. REMOVE OUTER MIRROR COVER

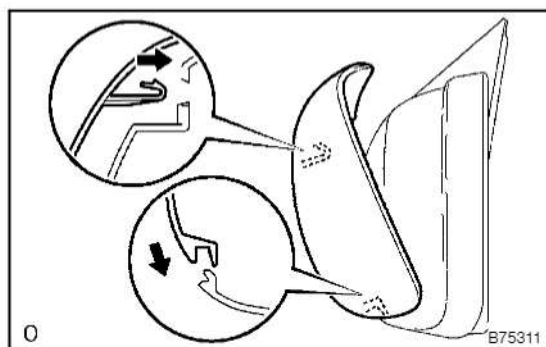
- (a) Using a moulding remover, disengage the 2 claws and outer rear view mirror.

HINT:

Apply protective tape to the mirror body.

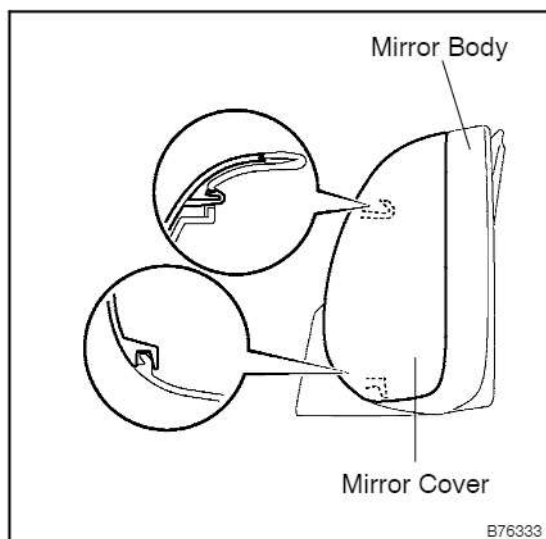


- (b) Disengage the 6 claws and remove the mirror cover.



8. INSTALL OUTER MIRROR COVER

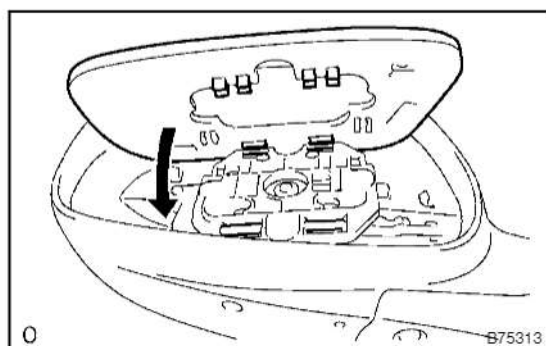
- (a) Install the mirror cover, as shown in the illustration.



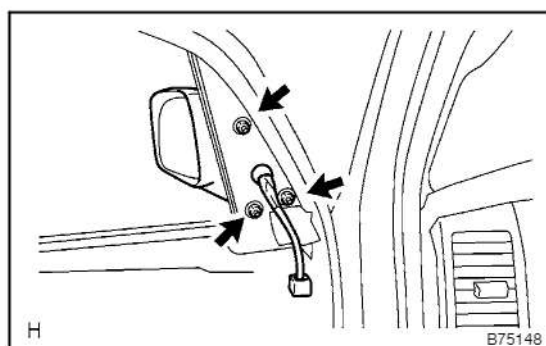
- (b) After installing the outer mirror cover, check that there is no gap between the cover and mirror body.

HINT:

If there is a gap between the cover and body, noise will occur during driving.



- (c) Install the outer mirror, as shown in the illustration.



9. INSTALL OUTER REAR VIEW MIRROR ASSY

- (a) Install the mirror with the 3 nuts.

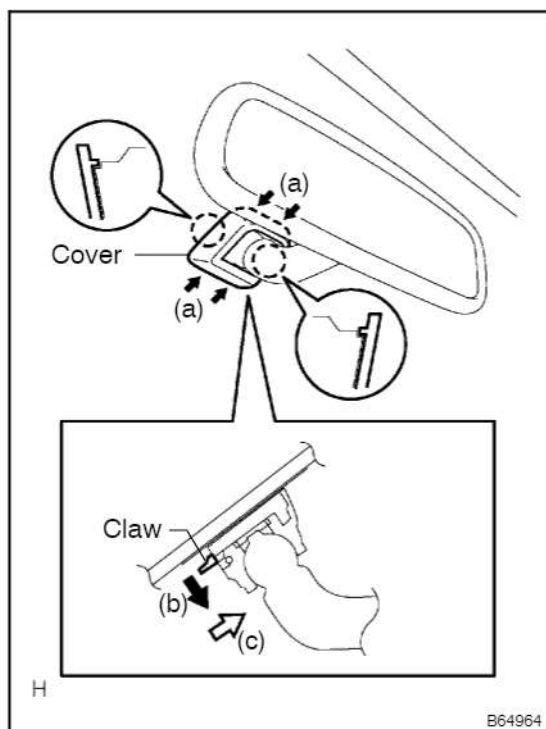
Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)

INNER REAR VIEW MIRROR ASSY REPLACEMENT

70124-01

HINT:

The installation procedures are the removal procedures in reverse order.



1. REMOVE INNER REAR VIEW MIRROR ASSY

- (a) Push the cover in the direction indicated by the arrows labeled (a) and remove it.
- (b) While holding down the claw in the direction of the arrow labeled (b), slide the inner rear view mirror in the direction of the arrow labeled (c) and remove it.