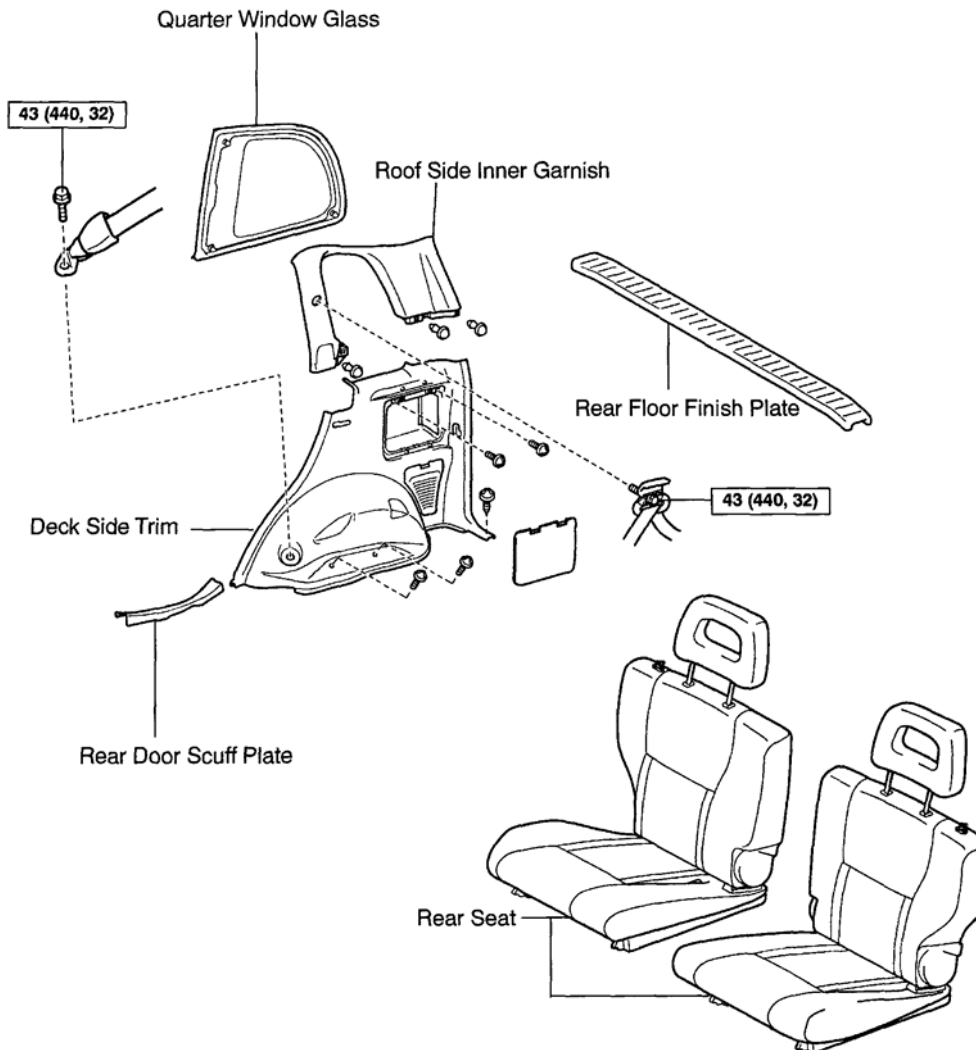


2005 ACCESSORIES & EQUIPMENT

Quarter Window Glass - RAV4

COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque

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Fig. 1: Identifying Quarter Window Glass Components & Torque Specifications
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

2005 Toyota RAV4

2005 ACCESSORIES & EQUIPMENT Quarter Window Glass - RAV4

HINT:

A bolt without a torque specification is shown in the standard bolt chart (see **SPECIFIED TORQUE FOR STANDARD BOLTS**).

1. **REMOVE REAR SEAT**
2. **REMOVE REAR FLOOR FINISH PLATE**
3. **REMOVE REAR DOOR SCUFF PLATE**
4. **REMOVE DECK SIDE TRIM**
 - a. Remove the bolt and rear seat outer belt floor anchor.
 - b. Remove the 5 screws.
 - c. Using a screwdriver, remove the deck side trim.

HINT:

Tape the screwdriver tip before use.

- d. LH side:

Disconnect the connector.

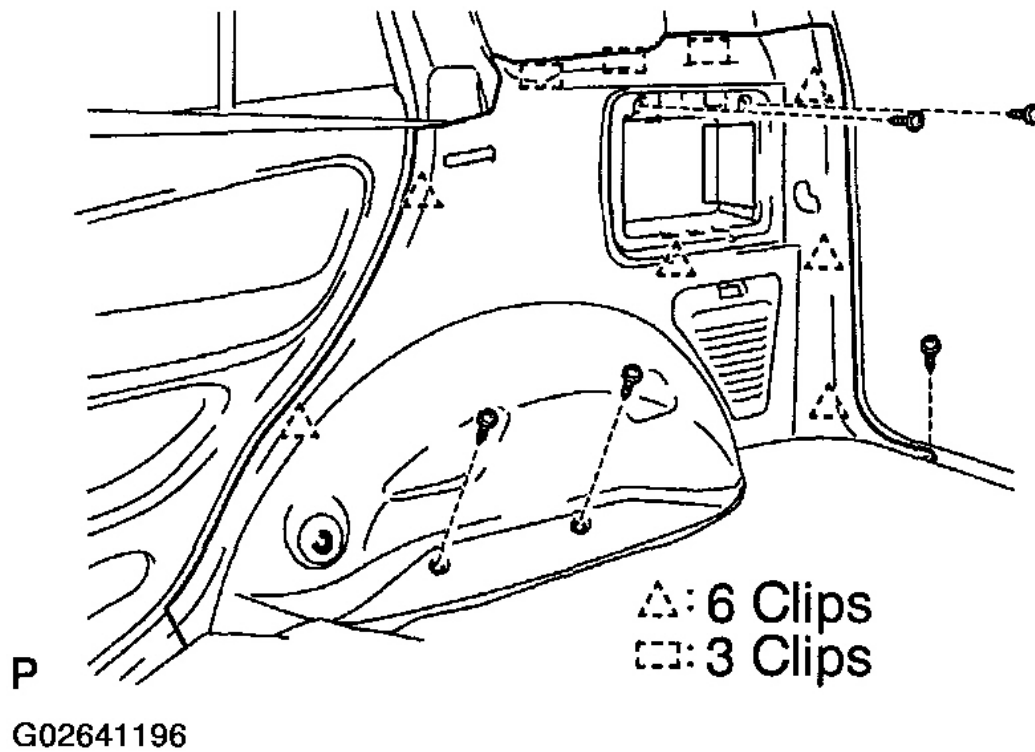


Fig. 2: Removing Deck Side Trim

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. REMOVE ROOF SIDE INNER GARNISH

- a. Remove the bolt and rear seat outer belt shoulder anchor.
- b. Remove the 3 clips.
- c. Using a screwdriver, remove the roof side inner garnish.

HINT:

Tape the screwdriver tip before use.

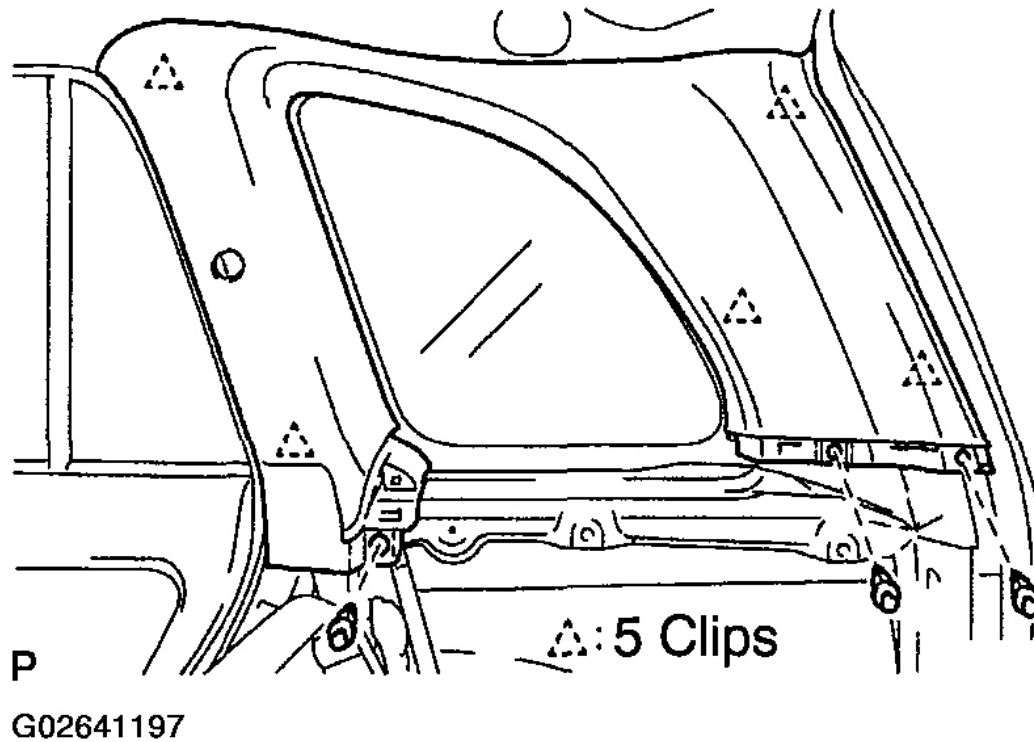


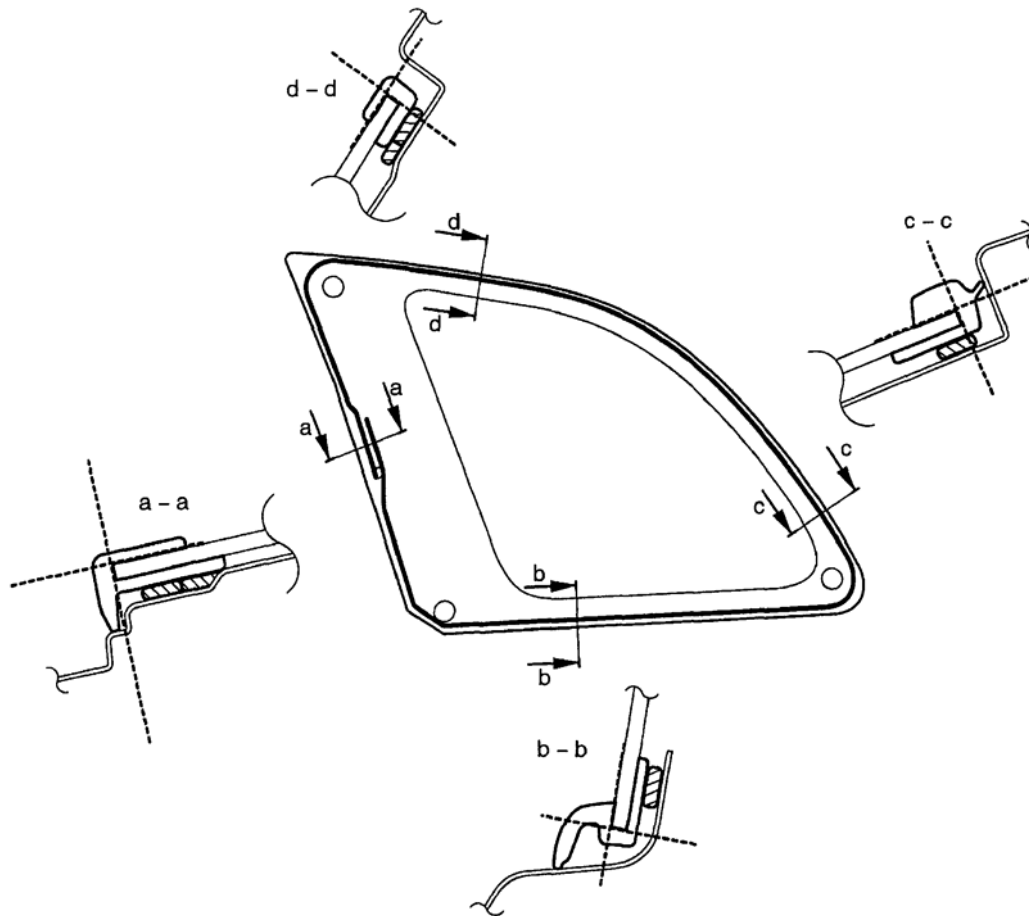
Fig. 3: Removing Roof Side Inner Garnish
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE QUARTER WINDOW GLASS

- a. Using a knife, cut off the molding as shown.

NOTE: Do not damage the body with the knife.

- b. Remove the remaining molding.



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Fig. 4: Removing Quarter Window Glass
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Push a piano wire through between the body and glass from the interior.
- d. Tie both wire ends to wooden blocks or similar objects.

HINT:

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

NOTE: When separating the glass, take care not to damage the paint and exterior.

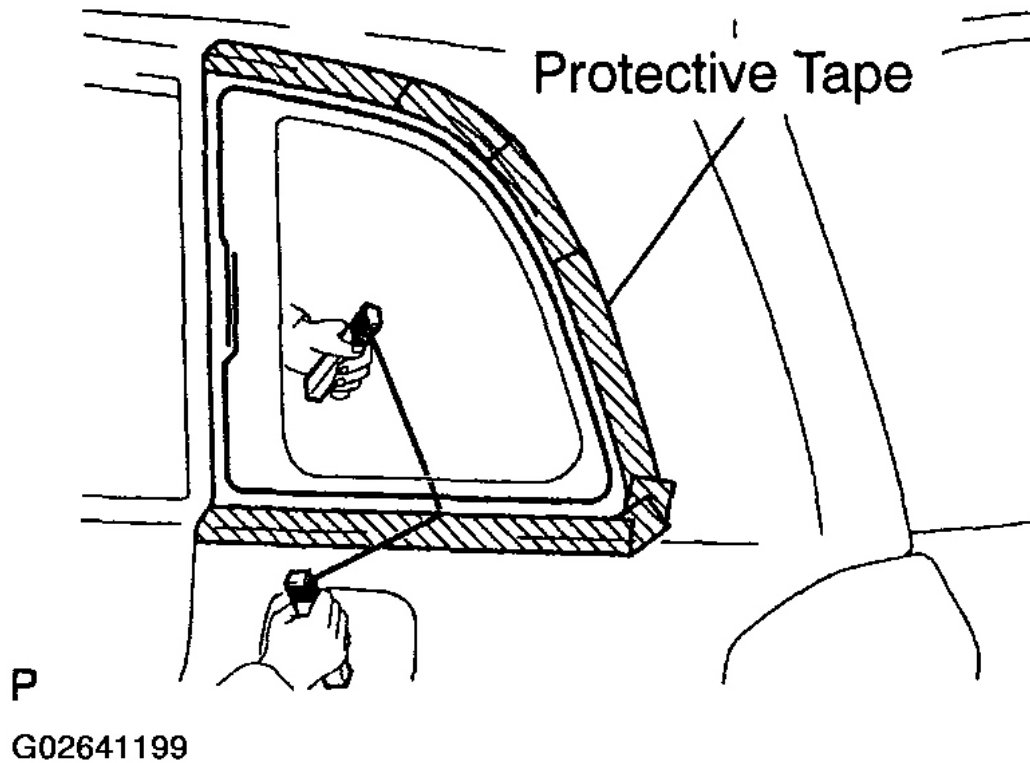


Fig. 5: Pushing Piano Wire Through Between Body And Glass From Interior
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- e. Cut the adhesive by pulling the piano wire around it.

HINT:

Cut the adhesive areas as shown, leaving the adhesive where the clips are.

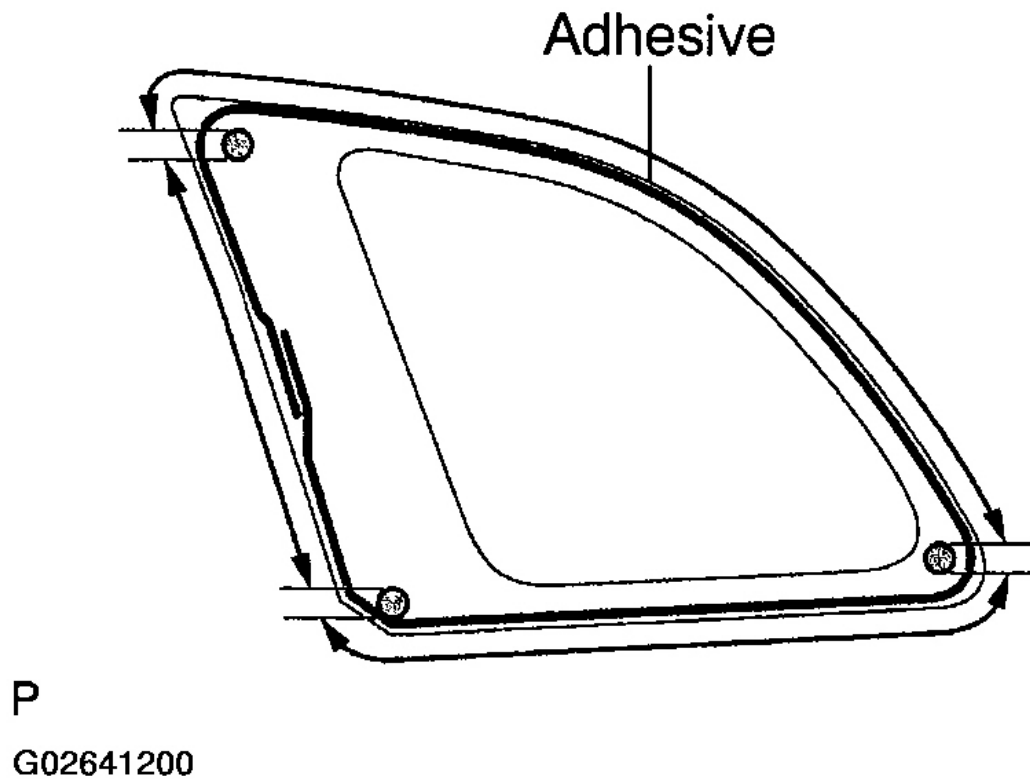


Fig. 6: Cutting Adhesive

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- f. Push the piano wire through as shown, cut off the adhered part to the clips.
- g. Remove the glass.

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

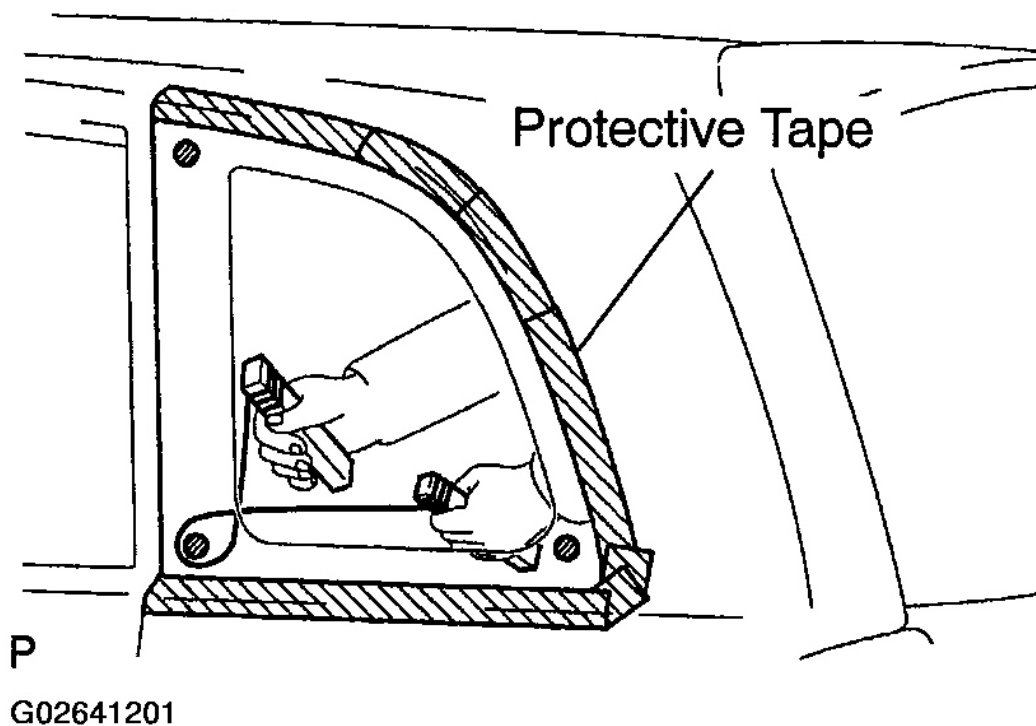


Fig. 7: Removing Glass

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. CLEAN AND SHAPE CONTACT SURFACE OF BODY PANEL

- Using a knife, cut away any rough areas on the body.

HINT:

Leave the adhesive on the body as much as possible.

- Clean the cut surface of the adhesive with a shop rag saturated in cleaner.

HINT:

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

2. CLEAN CONTACT SURFACE OF NEW GLASS

Using a cleaner, clean the contact surface which is black-colored area around the entire glass rim.

NOTE: Do not touch the glass face after cleaning it.

3. INSTALL NEW CLIPS

Install 3 new clips to the quarter window glass as shown.

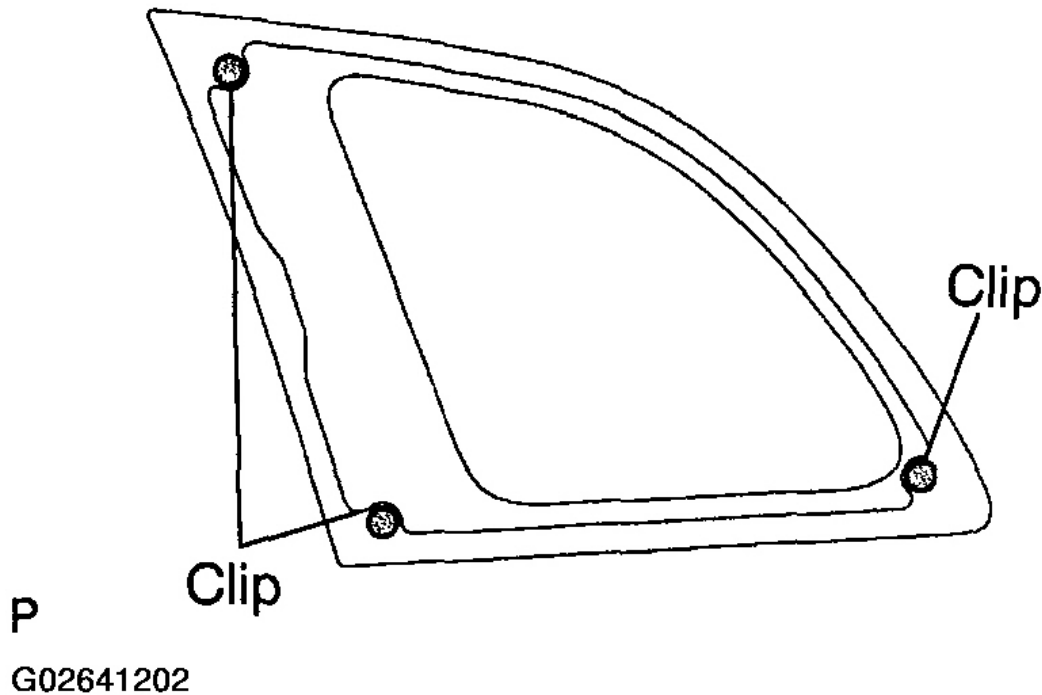


Fig. 8: Installing Clips

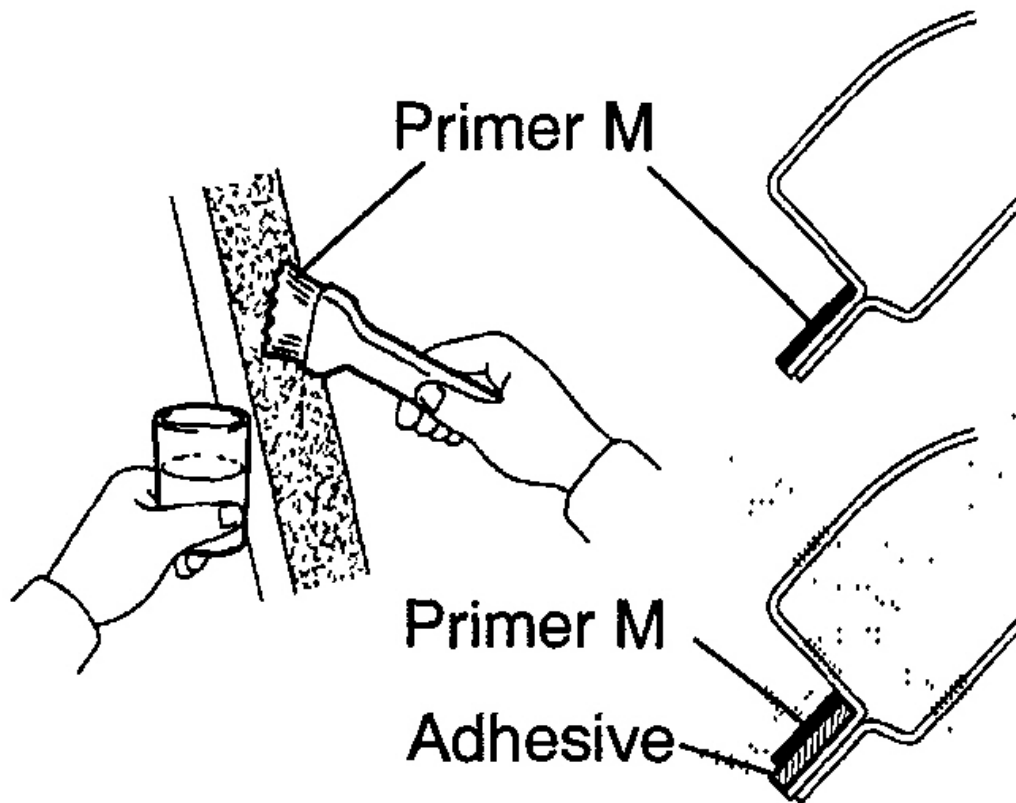
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

Using a brush, coat Primer M to the exposed part of body on the vehicle side.

NOTE:

- Allow 3 minutes or more to dry the primer coated surface.
- Do not coat Primer M to the adhesive.
- Do not keep any of the opened Primer M for later use.



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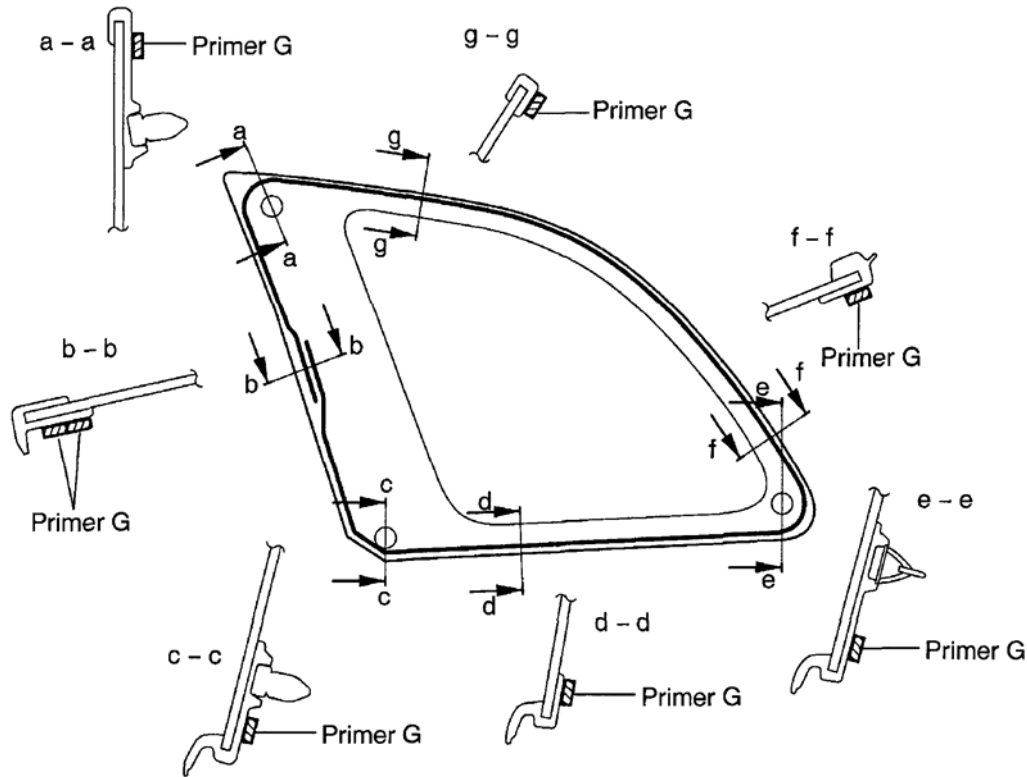
Fig. 9: Coating Contact Surface Of Body With Primer "M"
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. COAT CONTACT SURFACE OF NEW GLASS WITH PRIMER "G"

- a. Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G as shown.
- b. When the primer is coated wrongly to the area other than the specified, wipe it off with a clean shop rag before the primer dries.

NOTE:

- Allow 3 minutes or more to dry the primer coated surface.
- Do not keep any of the opened Primer G for later use.



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Fig. 10: Coating Contact Surface Of New Glass With Primer "G"
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. APPLY ADHESIVE

- a. Cut off the tip of the cartridge nozzle.

Part No. 08850-00801 or equivalent

HINT:

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

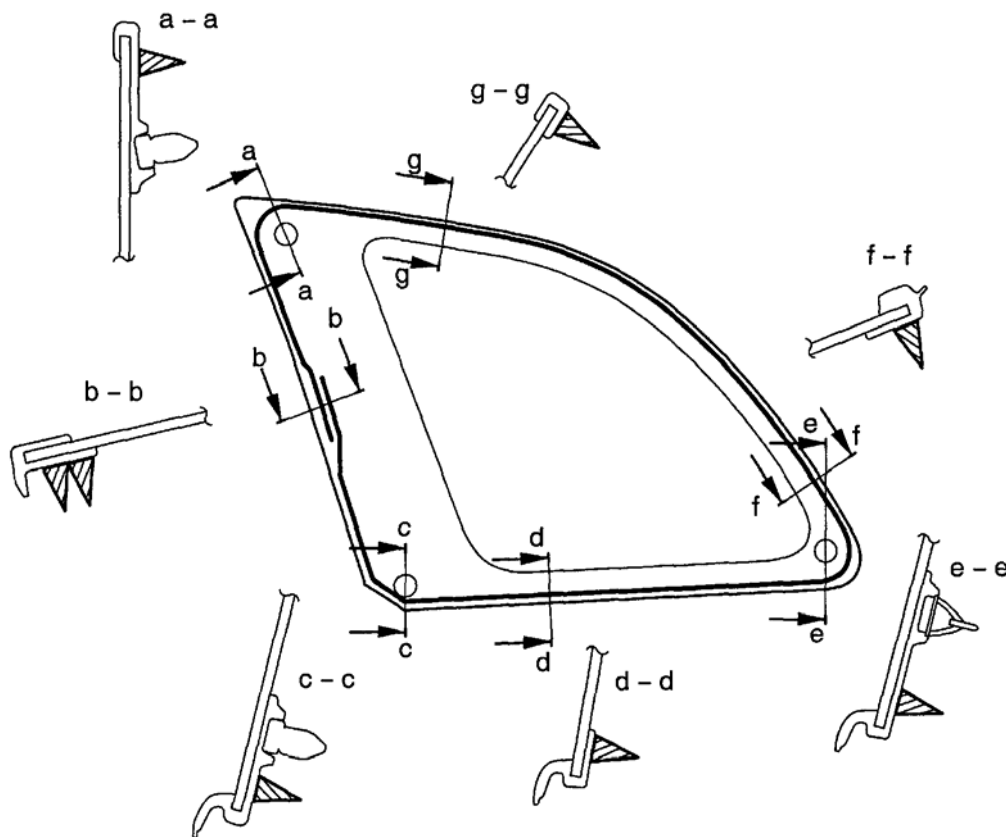
TEMPERATURE TACK FREE TIME

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

- b. Load the cartridge into the sealer gun.
- c. Coat the new glass with adhesive as shown.

Adhesive height: 12.0 mm (0.472 in.)

Adhesive width: 8.0 mm (0.315 in.)



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Fig. 11: Coating New Glass With Adhesive
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. INSTALL NEW GLASS

- Install new glass to the body.
- Hold the glass in place securely with a protective tape or equivalent until the adhesive hardens.

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

TEMPERATURE MINIMUM TIME PRIOR TO DRIVING VEHICLE

Temperature	Minimum time prior to driving the vehicle
35°C (95°F)	1.5 hours

2005 Toyota RAV4

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20°C (68°F)	5 hours
5°C (41°F)	24 hours

8. INSPECT FOR LEAK AND REPAIR

- Conduct a leak test after the hardening time has elapsed.
- Seal any leak with sealant.

Part No. 08833-00030 or equivalent

9. INSTALL ROOF SIDE INNER GARNISH

- Install the roof side inner garnish with the 3 clips.
- Install the rear seat outer belt shoulder anchor with the bolt.

Torque: 43 N.m (440 kgf.cm, 32 ft.lbf)

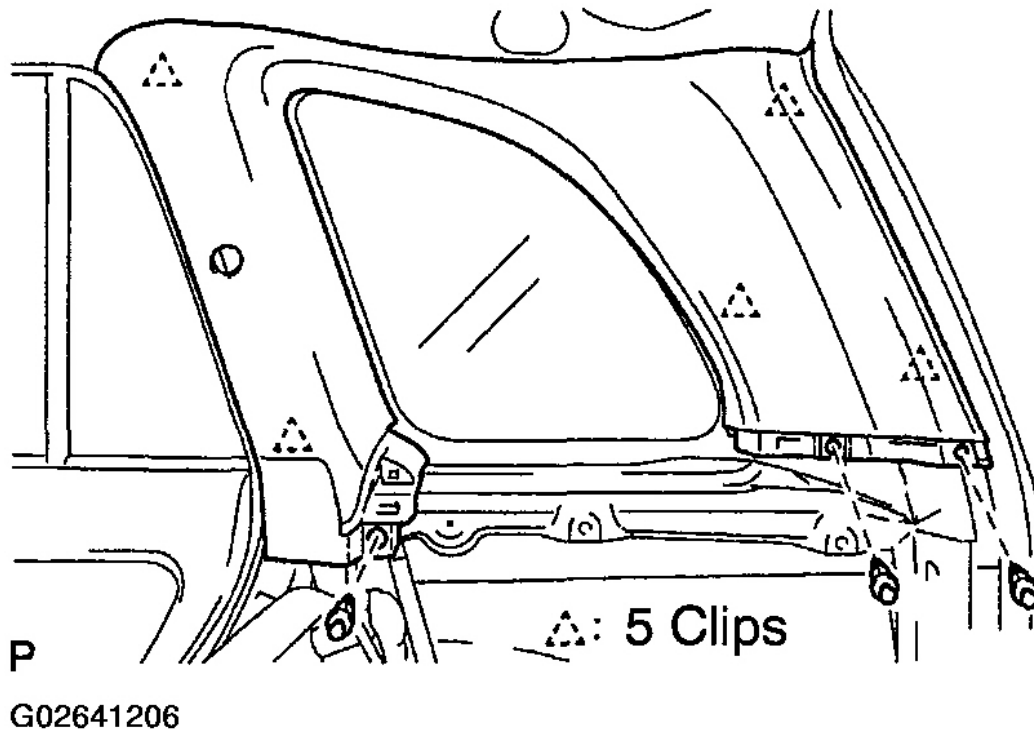


Fig. 12: Installing Roof Side Inner Garnish

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. INSTALL DECK SIDE TRIM

- LH side:

Connect the connector.

- b. Install the deck side trim with the 5 screws.
- c. Install the rear seat outer belt floor anchor with the bolt.

Torque: 43 N.m (440 kgf.cm, 32 ft.lbf)

- 11. **INSTALL REAR DOOR SCUFF PLATES**
- 12. **INSTALL REAR FLOOR FINISH PLATE**
- 13. **INSTALL REAR SEAT**

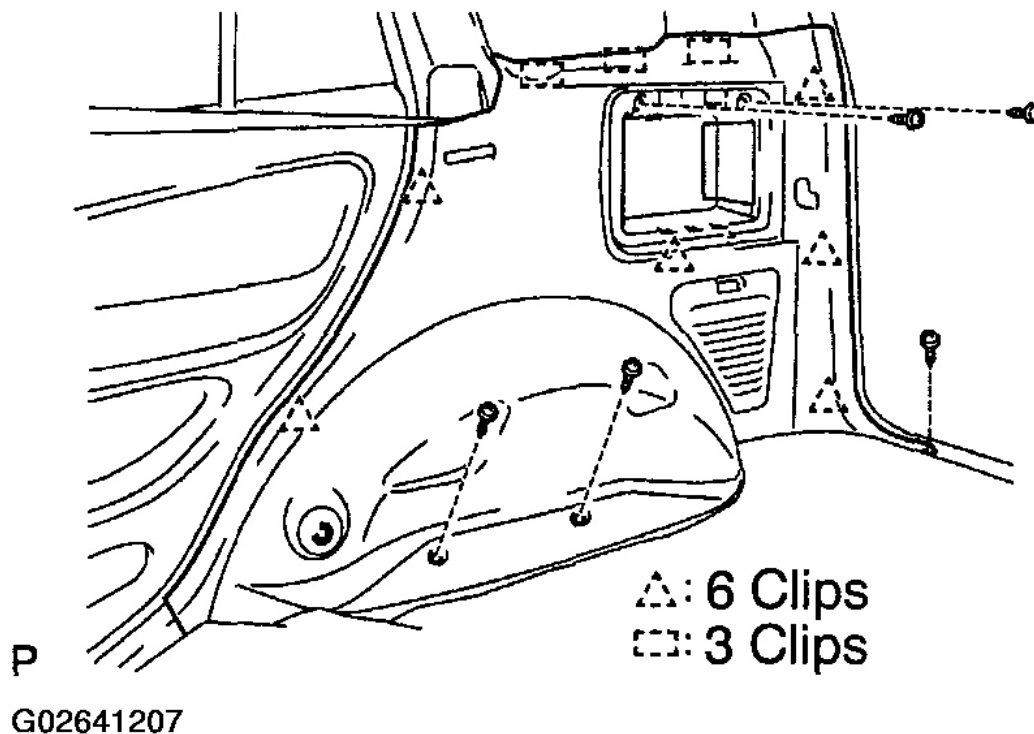


Fig. 13: Installing Deck Side Trim

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.