

BODY

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DESCRIPTION

The general body shell is pressed steel all welded construction. The doors are also of pressed steel all welded construction hinged onto the front hinge pillars, but the service lid lower panels and the instrument panel are of fiber glass reinforced plastic known as FRP.

The instrument panel is covered with safety pad.

The back door window is provided with a heating coil for defrosting the window.

The headlights are of retractable type with electric motors for retraction.

The seats are of bucket reclining type which can be adjusted individually to meet the driving comfort.

This car is provided with a separate X type frame, and the body can be dismounted from the frame for major repair of the car.

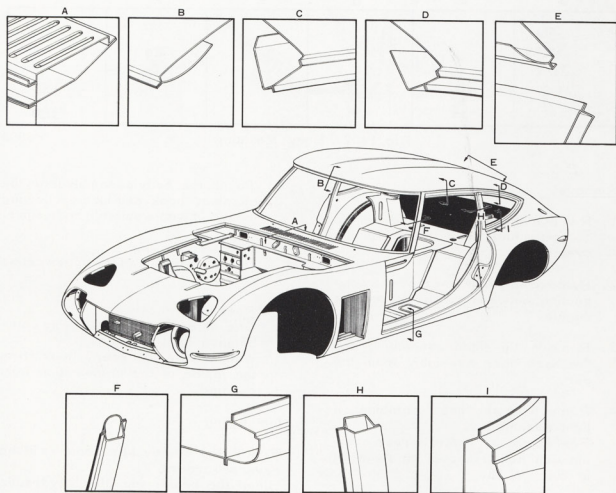


Fig.14-1 Body Construction

Y5092

BODY

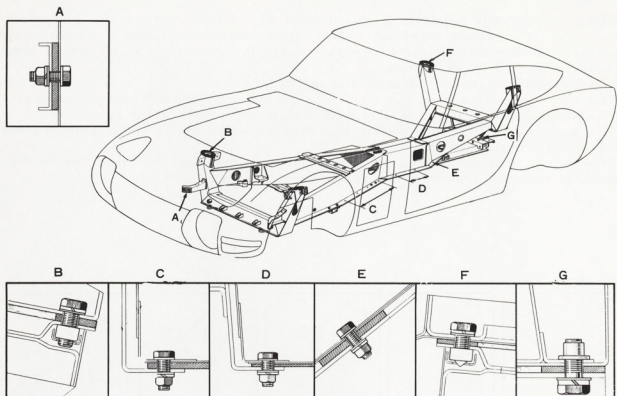


Fig.14-2 Body Mounting

Y5094

Removal

1. Remove the battery, and drain the coolant, fuel, and the hydraulic system.
2. Remove and disconnect all the connection between the body, and the engine.
3. Remove the hood assembly, and the back door assembly from the car.
4. Remove both rear combination light assemblies.
For removal, refer to rear combination light removal on page 14 in Section 16.
5. Remove the body mounting bolts from the mounting locations as shown in fig. 14-2.

6. To lift the body assembly from the chassis, hook and lift the following locations with a suitable body sling.

Front of the car:

One at each side of the upper cross member.

Rear of the car:

One at each side of the rear combination light opening.

When lifting the rear, hook from the inside of the combination light opening.

Installation

Follow the removal procedures in the reverse order.

Bleed the brake and clutch hydraulic systems.

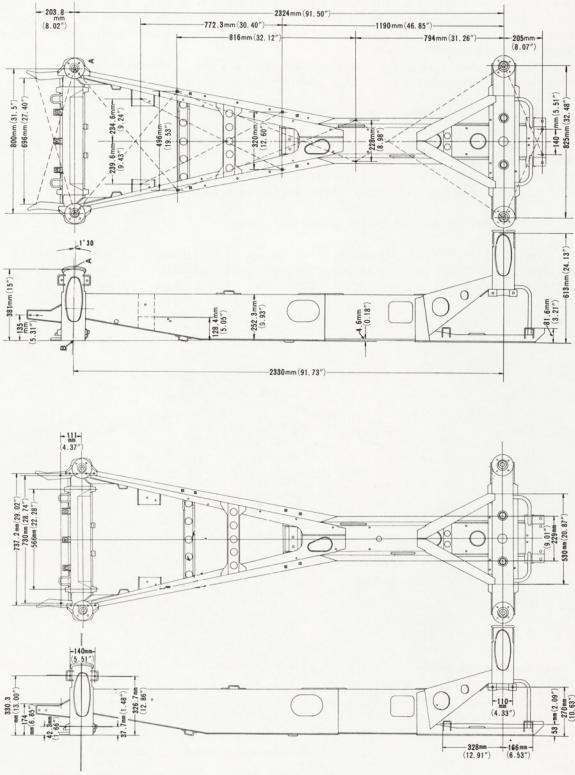


Fig.14-3 Frame Dimensions

Y5297, Y5298

In nearly all cases of accident, service damage to the chassis frame is readily apparent. There are cases, however, where damage of a less serious nature may cause distortion of the frame which may not be readily detected visually. Even when the car has suffered only superficial damage, it is possible that the frame members may have been displaced causing misalignment of the road wheels. It is recommended that at check is made on the alignment of the front and rear suspension attachment points.

These dimensions can be measured actually on the underside of the body or by dropping perpendiculars from the points indicated by means of a plumb bob onto a clean floor.

This preliminary examination should include a check on wheelbase dimensions, caster and wheel camber angles.

If removing or installing the body, it should be based with the front and rear suspension attachment points.

And to make side-to-side adjustment at the front end of the body, add or remove the front fender front mounting shim as follows at the front mounting.

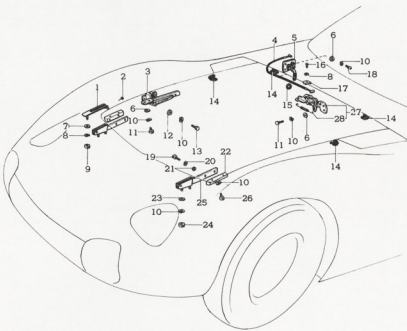
Front fender front mounting shim thickness:

Part No. 52321-88110, Mounting "A" shim, Thickness 1.0 mm (0.04")

Part No. 52322-88110, Mounting "B" shim, Thickness 1.6 mm (0.06")

Part No. 52323-88110, Mounting "C" shim, Thickness 2.0 mm (0.08")

HOOD



- | | | |
|----------------------------|----------------------------------|----------------------------|
| 1. Hood hinge female cover | 10. Lock washer | 19. Bolt |
| 2. Screw | 11. Bolt | 20. Lock washer |
| 3. Hood support | 12. Washer | 21. Washer |
| 4. Hood lock control cable | 13. Bolt | 22. Hood hinge adjust base |
| 5. Hood lock release lever | 14. Fender to hood bumper | 23. Hood hinge female shim |
| 6. Washer | 15. Grommet | 24. Nut |
| 7. Washer | 16. Screw | 25. Hood hinge |
| 8. Lock washer | 17. Hood lock control wire clamp | 26. Bolt |
| 9. Nut | 18. Screw | 27. Hood lock assembly |
| | | 28. Tension spring |

Fig.14-4 Front End Components

Removal

1. Open the hood, and disconnect the engine room light wiring (1) from the connection.
2. Remove the hood support (2), and the hood hinge (3) attaching bolts, then remove the hood.

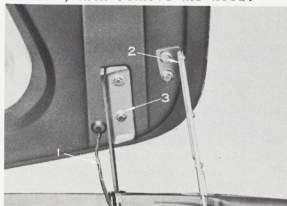


Fig.14-5 Hood Removal V3857

3. Loosen the hood hinge attaching nuts, then remove the hinge.

Installation

Follow the removal procedures in the reverse order.

Install the hood hinge to the hood, and onto the car, tightening the bolts sufficiently to prevent the hood from moving under its own weight.

When correctly positioned, fully tighten all the attaching bolts.

Adjustment

After installation, check the opening, and closing conditions.

The hood is provided with to-and-fro, up-and-down, and side-to-side adjustments.

1. To make the to-and-fro, and side to-side adjustments, loosen the hood attaching bolts, and move the hood to the proper position as shown in figure 5.
2. If the hood does not engage properly, or the hood does not close

properly, loosen the hood lock attaching bolts, and adjust as necessary.

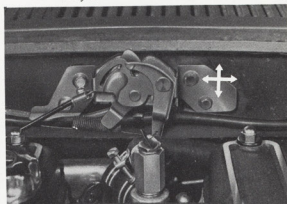


Fig.14-6 Hood Lock Adjustment V1544

HOOD LOCKRemoval

1. Open the hood, and remove the hood lock tension spring.
2. Remove the hood lock control wire clamp, move the hood lift lever, and then remove the control cable.
3. Remove the four hood lock attaching bolts, and then remove the hood lock assembly.

Installation

To install, follow the removal procedures in the reverse order.

Adjustment

Refer to hood adjustment in the previous paragraph.

HOOD LOCK RELEASE LEVER AND CONTROL CABLERemoval

1. Remove the hood release lever bracket by loosening the attaching bolts.
2. To remove the control cable, re-

move the clamp screws from both ends of the hood lock, and the release lever.

Installation

To install, follow the removal procedures in the reverse order.

BACK DOOR

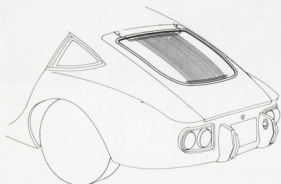


Fig.14-7 Back Door Glass G0033

The back door glass assembly is provided integrally with a heating coil for defrosting the window glass. The condensation on the window glass can be removed by actuating the heating coil through the heater fan switch when the neater fan switch is pulled.

Heating coil specification:

Voltage 12 volts
 Load 49.5-60.5 watts
 Resistance from terminal to terminal
 2.492-2.848 ohms
 Heating coil wire diameter
 0.04 mm (0.0016")
 Heating coil wire clearance (pitch)
 3 mm (0.12")

Removal

1. Open the back door.
 Remove the back door hinge retaining bolts (1), and disconnect the back window heating coil lead wire (2) from the wire connection, then remove the back door assembly.

Note:

When removing the back door assembly, care should be taken as the heating coil ground wire is easily broken.

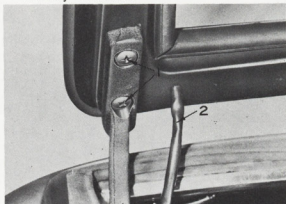


Fig.14-8 Back Door Removal V3858

2. Remove the hinge base cover, then remove the hinge and the hinge base shims.
 Note the portion of the hinge base shim.

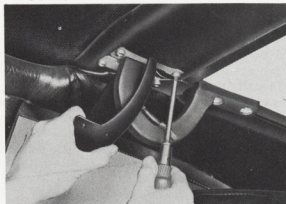


Fig.14-9 Back Door Hinge V3859 Removal

Installation

Follow the removal procedures in the reverse order.

Adjustment

The back door is provided with to-and-fro, side-to-side, and up-and-down adjustments.

To perform the to-and-fro, and side-to-side adjustments, loosen the hinge attaching bolts, and move the back door to proper position.

2. To perform the up-and-down adjustment at the front end of the door, add or remove the hinge adjusting shim/s.

Back door hinge base shim:

Part No.	68861-88110
Thickness	1.6 mm (0.006")
Part No.	68862-88110
Thickness	1.0 mm (0.04")
Part No.	68863-88110
Thickness	3.2 mm (0.13")

3. To adjust the back door lock, loosen the door lock attaching bolts on the door lock base, and move the door lock as required, then tighten the attaching bolts.

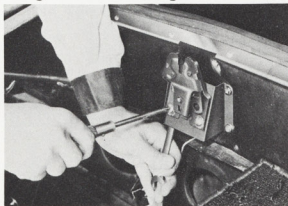


Fig.14-10 Adjusting Back V1545 Door Lock

BACK DOOR LOCK CYLINDER

Removal

1. Remove the back door lock base cover (1), and the back door lock base with the back door lock (2).
2. Remove the back door lock cylinder (4) by removing the lock cylinder retainer (3).

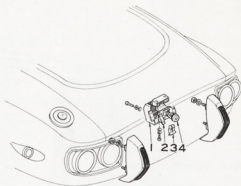


Fig.14-11 Back Door Lock Cylinder Removal G0425

Installation

Follow the removal procedures in the reverse order.

Note:

If the lock cylinder is noisy, apply grease onto the lock cylinder.

DOOR TRIM PANEL

Removal

1. Remove the door inside handle, and the door window regulator handle using the Handle Shaft Snap Ring Remover 09801-30010.

Shaft Snap Ring

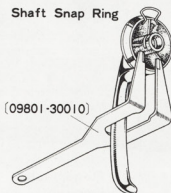


Fig.14-12 Inside Handle X4244 Removal

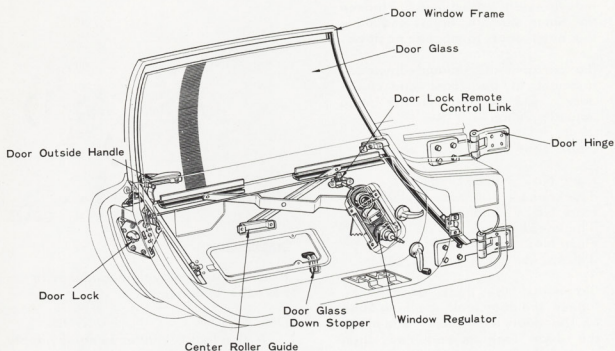


Fig. 14-13 Door Components

Y5306

2. Remove the arm rest, and the ash receptacle by removing the retaining screws.

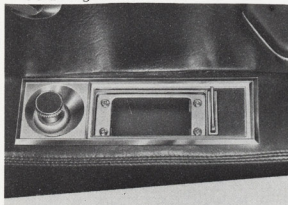


Fig. 14-14 Ash Receptacle Removal V3860

3. Remove the door trim by removing the trim panel retaining screws, and the clips.

Installation

Follow the removal procedures in the reverse order.

Note:

Align the handles with each other, and also on both doors.

DOOR LOCK REMOTE CONTROL AND LINK

Removal

1. Remove the door trim panel, and the service hole cover. Refer to Door Trim Panel.
2. Remove the rod snap (1), then disconnect the remote control and link (2) from the door lock (3).
3. Lower the door window glass, then remove the door lock remote control and link through the service hole.

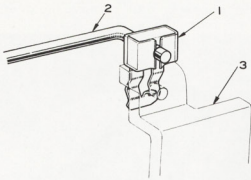


Fig.14-15 Control and Link Removal G0426

the door window regulator attaching screws.

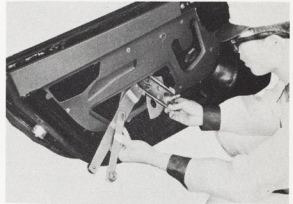


Fig.14-17 Removing Window Regulator V1547

Installation

Follow the removal procedures in the reverse order.

DOOR WINDOW REGULATOR,
DOOR WINDOW GLASS

Removal

1. Remove the door trim panel, and the service hole cover. Refer to Door Trim Panel.
2. Remove the door frame by removing the four attaching screws.

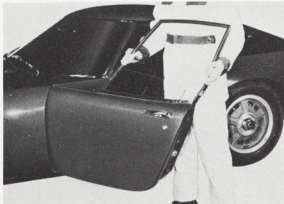


Fig.14-16 Removing Door Window Frame V1546

3. Lift and remove the door window glass from the door window opening.
4. Remove the door window regulator from the service hole by removing

Inspection

Wash and clean the removed parts, and inspect the following. If found defective, repair or replace as required.

1. Inspect the regulator gears for wear or damage, and inspect the spring for weakness or damage. Next, inspect the other related parts of the window glass regulator for damage. If defective, replace the door window regulator assembly.
2. Inspect the regulator for lubrication. If necessary, apply and coat with multipurpose grease onto the regulator gears, spring, and etc. After applying grease onto the spring, cover the spring with a this vinyl cover to prevent the grease from falling.

Door Window Glass Run Replacement

1. Remove the glass run, clean the inside of the door thoroughly.
2. Apply adhesive cement (Part No. 08704-00020) onto the outside sides where the sides contact the door. Allow the adhesive cement to dry, then install the glass run onto the door assembly.

Installation

Follow the removal procedures in the reverse order.

DOOR OUTSIDE HANDLE

Removal

1. Remove the door trim panel, and the service hole cover. Refer to Door Trim Panel.
2. Remove the door glass down stopper from the service hole, then lower the door window glass.
3. Disconnect the door outside handle control link from the door lock.
4. Remove the outside handle with the link from the door.

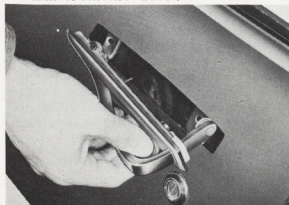


Fig.14-18 Removing Outside V3861 Handle

Installation

Follow the removal procedures in the reverse order.

DOOR LOCK

Removal

1. Remove the door trim panel, and the service hole cover. Refer to Door Trim Panel.
2. Disconnect the door lock key rod, outside handle link, and door lock remote control link from the door lock.

3. Loosen the three door lock attaching screws, and remove the door lock from the service hole.

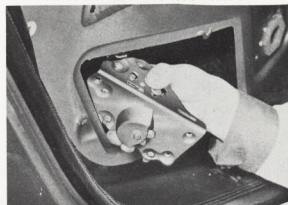


Fig.14-19 Removing Door V3862 Lock

Installation

Follow the removal procedures in the reverse order.

DOOR, DOOR HINGE

Inspection & Adjustment

1. If any play is present in the axial or vertical direction of the door hinge, tighten the hinge attaching bolts. If a little play is still present after tightening the bolts, replace both the bushing and the pin.
2. To adjust the door for up-and-down, and to-and-fro positions, loosen the hinge attaching bolts at the door side.

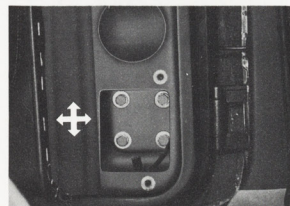


Fig.14-20 Door Hinge V1548

- To adjust the door for right-and-left, and up-and-down positions, loosen the hinge attaching bolts at the hinge pillar side.
- Adjust the door for closing by moving the striker plate as required.

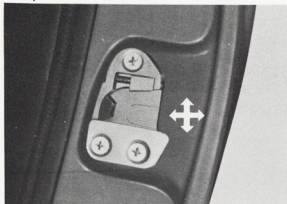


Fig.14-21 Door Striker V1549

Removal

- Remove the door hinge attaching bolts, and remove the door. To facilitate the procedure, support the door with a jack.
- Remove the cowl side trim board, then remove the door hinge.

Installation

Follow the removal procedures in the reverse order.

DOOR LOCK CYLINDER

Removal

- Remove the door trim panel, and the service hole cover. Refer to Door Trim Panel.
- Lower the door glass, and disconnect the key rod from the door lock cylinder. Remove the door lock cylinder by removing the door lock cylinder retainer.

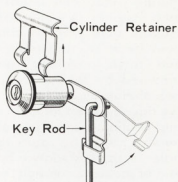


Fig.14-22 Disconnecting Key Rod G0427

Installation

Apply grease on the operating surfaces of the lock cylinder, and follow the removal procedures in the reverse order.

SEAT

The seats are of full-reclining type, and can be adjusted to fifteen desired inclinations.

The seat back can be tilted towards the front by pulling the adjusting handle to enable in reaching into the interior.

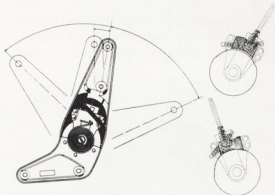


Fig.14-23 Reclining Seat Back Adjuster Construction X5707
X5708

As the adjusting handle is pulled, the pin installed onto the ratchet pole is raised along the guide hole of the re-

clining arm, and accordingly, the stop ratchet is released from the ratchet pole. At this condition, the seat back is adjustable to the back and forth positions, and is tilted forward by the tension of the spiral spring.

As the adjusting handle is released, the reclining arm is pulled by the tension spring, and the ratchet pole is pushed down by the lower end of the hexagon bolt, and meshes with the ratchet stopper.

In this case, the hexagon bolt should be correctly adjusted.

Removal & Installation

Remove the seat by removing the four attaching bolts.

To install, reverse the removal procedure.

Seat Track Inspection

1. Inspect the seat track for proper operation by moving the seat back and forth.

If necessary, apply grease onto the seat tracks.

The back and forth movement is 140 mm (5.5").

2. Inspect the seat track adjusting handle for wear or damage. If defective, repair or replace.

Seat Track Removal & Installation

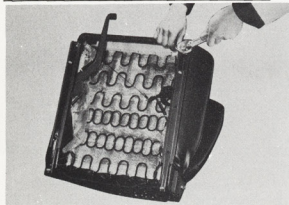


Fig.14-24 Seat Track V3863
Removal

To remove the seat track, remove the two attaching bolts.

To install, reverse the removal procedure.

Reclining Seat Back Adjuster Inspection & Adjustment

To remove the reclining seat back adjuster, remove the four attaching screws.

To install, reverse the removal procedure.

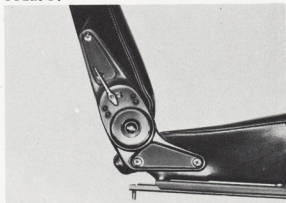


Fig.14-25 Back Adjuster V3864
Removal

1. Inspect the ratchet stopper gear for wear. If the stopper gear is excessively worn, replace the stopper gear.
2. Inspect the spiral spring for weakness. If the spring is excessively weak, replace the spring.

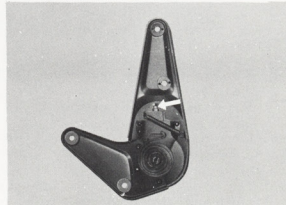


Fig.14-26 Back Adjuster V3865
Adjustment

- To adjust the hexagon bolt, loosen the lock nut, screw in the bolts all the way, and screw out 1/6 of a turn, then lock with the lock nut.

face, and cement the weatherstrip evenly, and dry.

- Install the weatherstrip with the finger pressure.

WEATHERSTRIP

Inspection

- Inspect the weatherstrip for leak with a shower test. If it leaks, repair as necessary.
- Inspect the weatherstrip for wrinkles, looseness, deformation, and damage. If necessary, repair or replace.

Installation

- Clean the oil and dirt from the cemented surface, and dry it thoroughly.
- Apply the adhesive cement (Part No. 08704-00010) onto the sur-

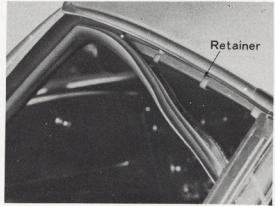


Fig.14-27 Door Weatherstrip Installation V1850

Note:

The door weatherstrip should be installed securely onto the door weatherstrip retainer.

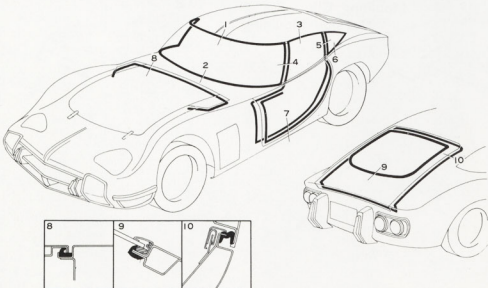
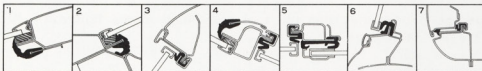


Fig.14-28 Body Weatherstrip

MOULDINGS

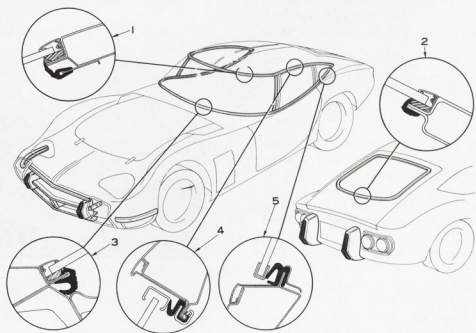


Fig.14-29 Body Mouldings

Y5308

Windshield & Back Window Outside Moulding Removal

To facilitate the procedure, use the tool illustrated in the figure 14-30, and remove the outside mouldings.

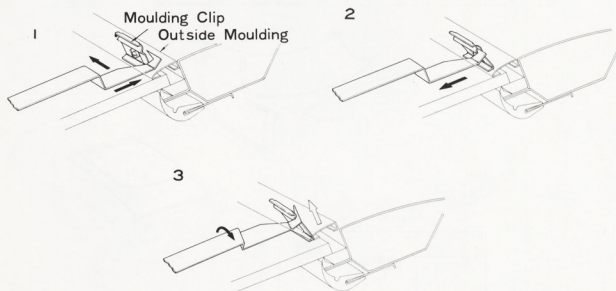


Fig.14-30 Outside Moulding Removal

Y5305

WINDSHIELD GLASS

The windshield glass is installed as illustrated in figure 14-28, and both the windshield and the back window glasses are installed with an adhesive cement.

Windshield & Back Window Glass Removal and Installation

To remove the windshield or the back window glass, remove the windshield outside mouldings (refer to Windshield Outside Moulding Removal). Remove the cemented portion with a knife, and make a tool similar to the one, and insert a steel wire between the glass, and the adhesive cement as illustrated in figure 14-31. Next, loosen the windshield glass from the adhesive cement with the inserted steel wire.

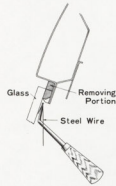


Fig.14-31 Windshield Glass Removal G0418

To install the windshield or the back window glass, use the adhesive cement, and fill up the windshield glass at the opening of the body. The specified dimension of the windshield glass installation is described below.

It is recommended to use the adhesive cement KE43B RTV ---- SHIN-ETSU KAGAKU KOGYO product or the adhesive cement with the same quality.

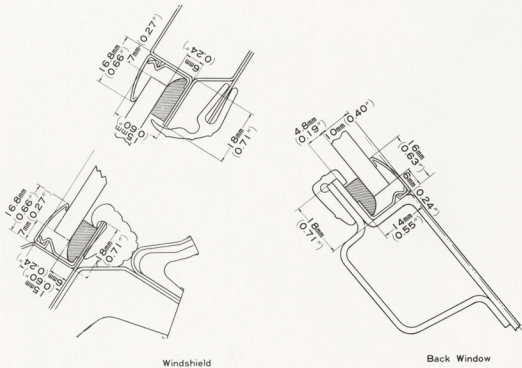


Fig.14-32 Windshield Glass Installing Dimension G0420-1