RX-7 Factory Service Material

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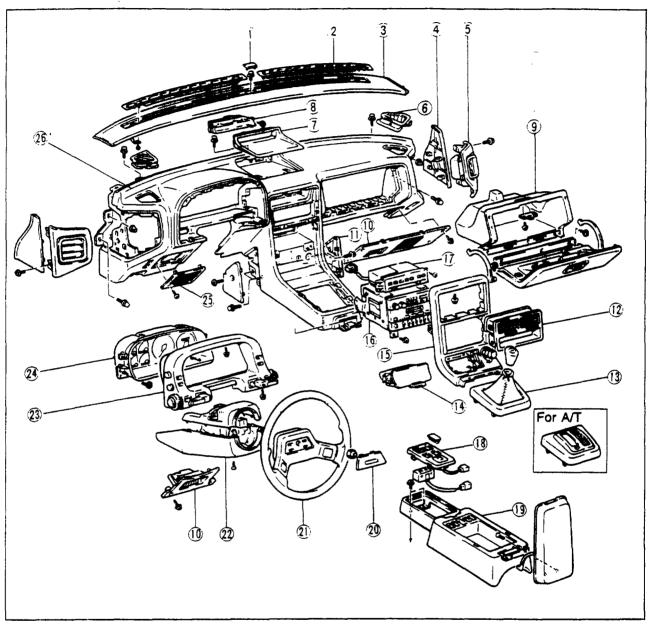
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INSTRUMENT PANEL

STRUCTURAL VIEW



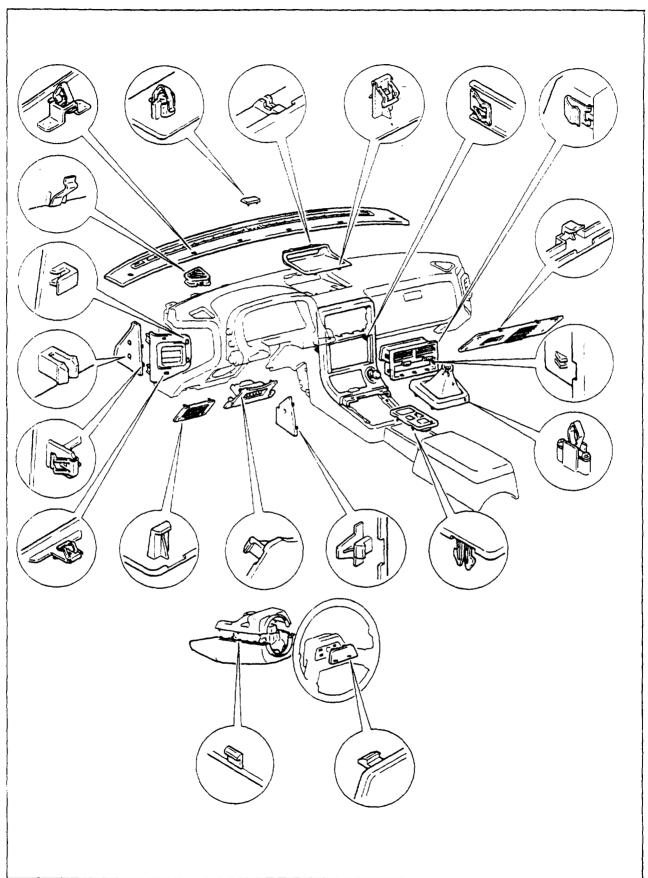
67U14X-002

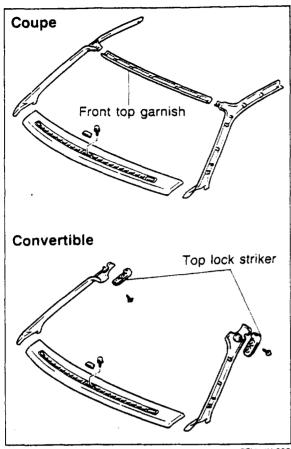
- 1. Center cap
- 2. Defroster grille (R and L)
- 3. Instrument panel garnish
- 4. Side cover (R and L) 5. Side panel (R and L)
- 6. Demister grille (R and L)
- 7. Clock bezel
- 8. Clock and warning unit
- 9. Glove compartment

- 10. Lower panel (R and L)
- 11. Side wall (R and L)
- 12. Center louver
- 13. Boot panel
- 14. Ashtray
- 15. Center panel
- 16. Audio set
- 17. Logicon switch
- 18. Switch panel

- 19. Rear console
- 20. Steering wheel cap
- 21. Steering wheel
- 22. Column cover (upper and lower)
- 23. Cluster switch
- 24. Meter unit
- 25. Speaker grille
- 26. Instrument panel

INSTALLATION VIEW





REMOVAL

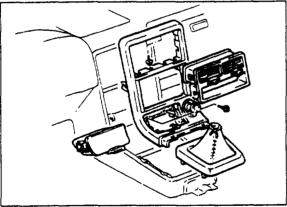
Instrument Panel Garnish

- 1. Remove the front top garnish (coupe model), the top lock strikers (convertible) and the front pillar trims.
- 2. Remove the center cap and the screw.
- 3. Lift up the instrument garnish with defroster grilles attached, and pull out.

Caution

If the front pillar trims are not removed before the instrument garnish, the front pillar trims may be scratched when the garnish is removed.





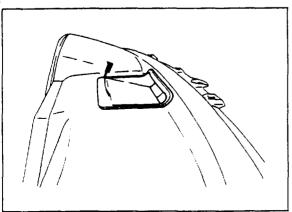
Center Panel

- 1. Remove the boot panel, ashtray and the center
- 2. Remove the center panel attaching screws (4), and then detach the center panel from the instrument panel.
- 3. Remove the cigarette lighter illumination bulb unit and the cigarette lighter connector.
- 4. Remove the center panel.

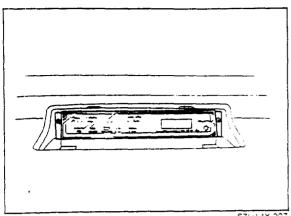
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Clock and Warning Unit

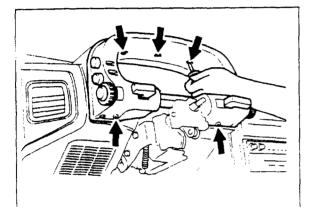
1. Pry the clock bezel upward, then remove it.



67U14X-006



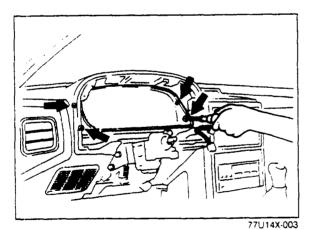
- 2. Remove the clock and warning unit attaching screws.
- 3. Pull the clock and warning unit forward, and disconnect the connector.



67U14X-007

Cluster Switch

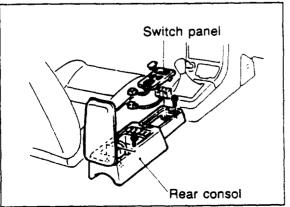
- 1. Remove the cluster switch attaching screws (5).
- 2. Disconnect the cluster switch connectors and remove the cluster switch.



77U14X-002

Meter

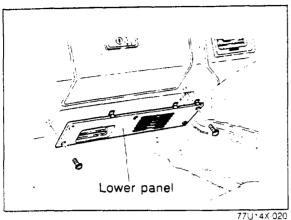
- 1. Remove the meter attaching screws (4). and pull out the meter unit.
- 2. Disconnect the meter connectors and speedometer cable.
- 3. Remove the meter unit.



87U14X-003

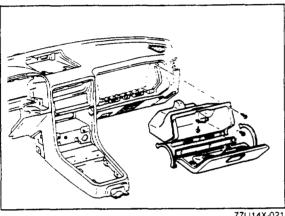
Rear Console

- 1. Remove the switch panel using a protected standard screw driver.
- Disconnect the AAS (coupe), headrest speaker (convertible) and remote control mirror switch connectors.
- 3. Remove the rear console attaching screws (4), and then remove the rear console.



Lower Pannel

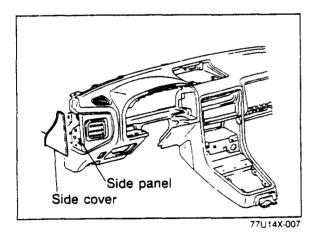
- Remove the lower panel attaching screws (5).
 Disconnect the theft-deterrent control unit and front speaker unit connectors.
- 3. Remove the heater ducts and then remove the lower panel.



77U14X-021

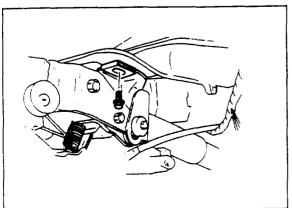
Glove Box

- 1. Open the glove box and remove the glove box attatching screws (7).
- 2. Remove the glove box light bulb, and glove box.
- 3. Remove the side wall attaching screw (1), and the side wall using a protected standard screw driver.



Side Cover

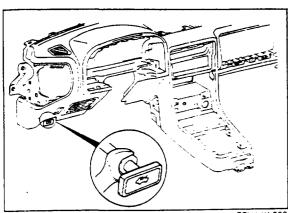
- 1. Remove the side cover using a protected standard screw driver.
- 2. Remove the side panel attaching screw (1), and remove the side panel.



77U14X-008

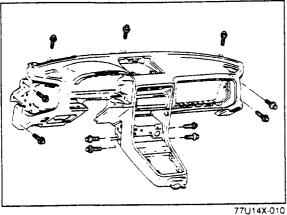
Instrument Panel

1. Remove the tilt steering shaft bolts (2).



2. Remove the hood release lever nut, and remove the hood release lever.



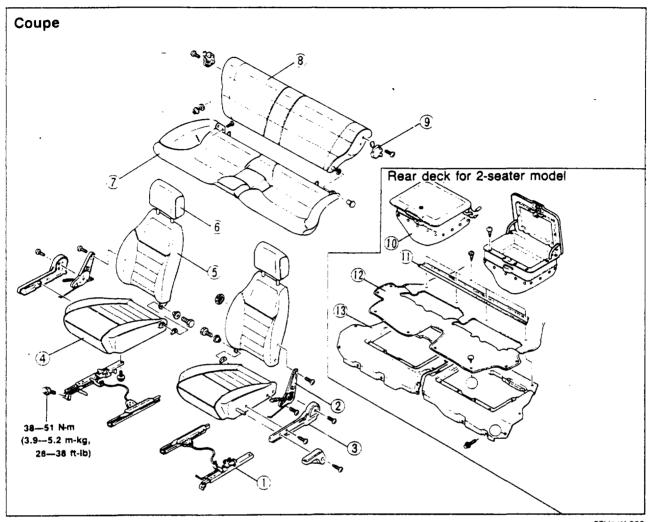


- 3. Remove the instrument panel attaching bolts (11).
- 4. Disconnect the ignition switch connectors, connector between front and instrument harness, etc
- 5. Remove the instrument panel slowly.

Tightening torgue: 0.9—1.3 m-kg (8.83—12.75 N·m)

SEAT

STRUCTURAL VIEW

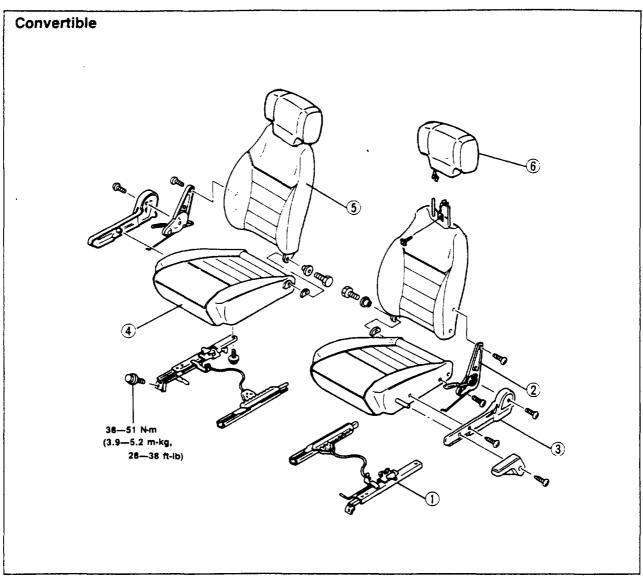


67U14X-008

- 1. Adjuster
- 2. Reclining knuckle
- 3. Knuckle cover
- 4. Seat cushion
- 5. Seat back

- 6. Headrest
- 7. Rear seat cushion
- 8. Rear seat back
- 9. Seat back lock
- 10. Storage box

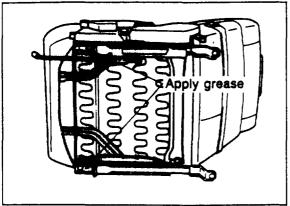
- 11. Mat set plate
- 12. Cargo space mat
- 13. Rear deck



87U14X-004

- 1. Adjuster
- 2. Reclining knuckle
- 3. Knuckle cover
- 4. Seat cushion

- 5. Seat back
- 6. Headrest (with speaker)

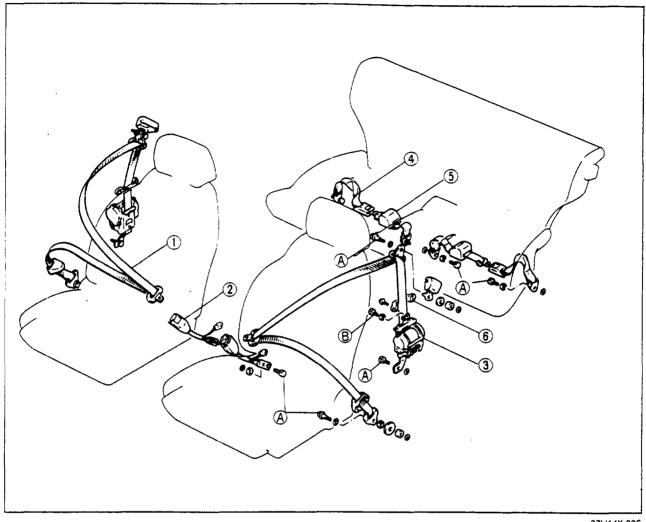


INSPECTION

- a) Check that the seat adjuster lever and reclining knuckle move smoothly. Apply grease to the moving parts.
 b) Check the adjustment lever for wear.
- c) Check the front seat mounting bolts for looseness.

SEAT BELT

STRUCTURAL VIEW



87U14X-005

- 1. Front seat belt
- 2. Buckle
- 3. Retractor (E.L.R.)

- 4. Rear seat belt (For coupe)
- 5. Rear retractor (A.L.R. For coupe)
- 6. Set plate (For coupe)

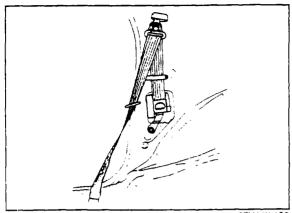
Caution

Do not disassemble the buckles or retractors.

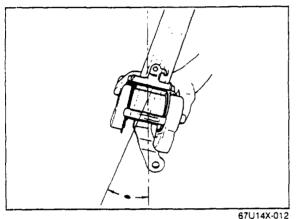
Tightening torque:

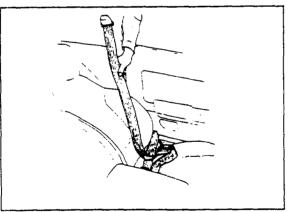
A: 38-78 N·m (3.9-8.0 m-kg, 28-58 ft-lb)

B: 4.9 N·m (50 cm-kg, 43 in-lb)

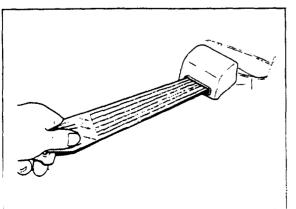


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67U14X-013



67U14X-014

INSPECTION

E.L.R. (Emergency Lock Retractor) Lock function

- 1. Drive the vehicle at about 16 km/h (10 mph) in first gear.
- 2. Release the accelerator pedal and apply the brakes strongly and quickly.
- 3. Check that the retractor locks when the above mentioned braking is applied.

Warning

This inspection must only be performed by a qualified MAZDA technician at an authorized MAZDA dealership. Do not attempt to perform this inspection unless you meet this qualification.

If the retractor does not lock in the above inspection. proceed as follows:

- 4. Remove the retractor.
- 5. Place the retractor vertically.
- 6. While pulling out the belt, incline the retractor
- 7. Check that the retractor locks within an inclination of 30°

Retraction function

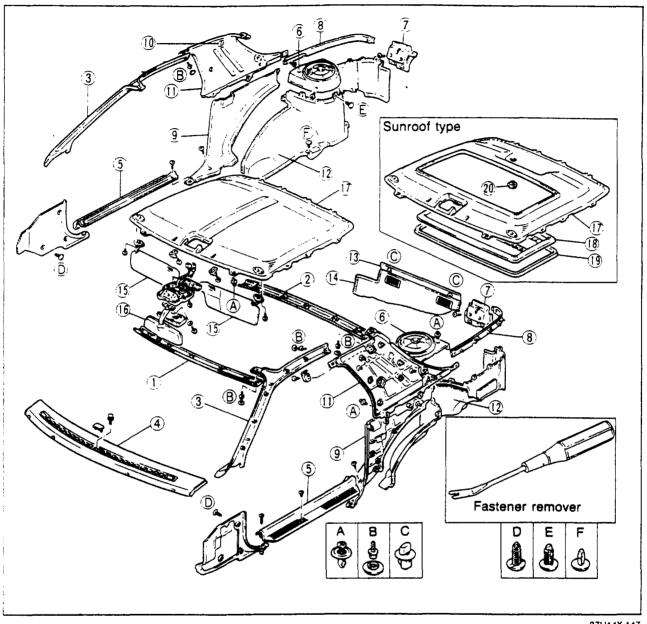
- 1. Slowly pull the belt out about 600 mm (23.6 in).
- 2. Place the belt on the seat.
- 3. Check that the belt is retracted in four seconds or less when released.

A.L.R. (Automatic Lock Retractor) Lock function

- 1. Pull the belt out and let it retract about 20 mm (0.079 in).
- 2. Check that the belt is locked when pulled out again just after the above operation.

CEILING, GARNISH AND TRIM

STRUCTURAL VIEW



87U14X-147

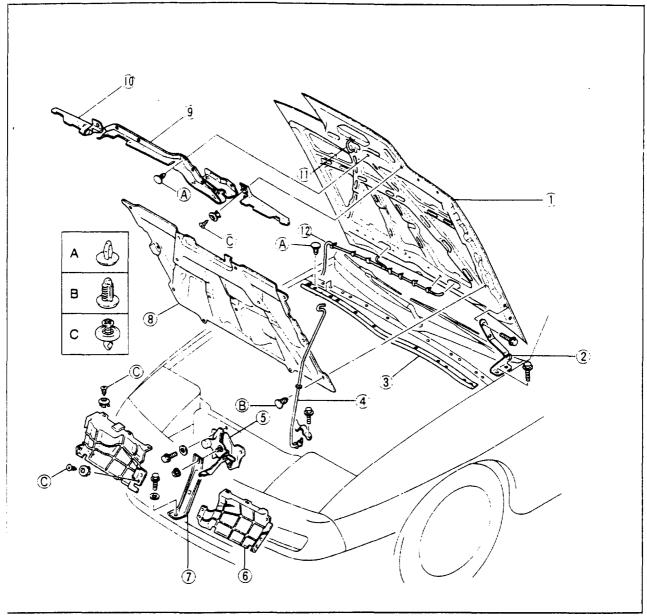
- 1. Front top garnish
- 2. Rear top garnish
- 3. Front pillar trim (R and L)
- 4. Instrument panel garnish
- 5. Scuff plate (R and L)
- 6. Speaker grille (R and L)
- 7. Lock cover (R and L)
- 8. Upper trunk side trim (R and L)
- 9. Quarter trim (R and L)
- 10. Coat hanger (R and L)
- 11. Quarter pillar trim (R and L)
- 12. Lower trunk side trim (R and L)
- 13. Upper end trim
- 14. Lower end trim
- 15. Sunvisor (R and L)
- 16. Interior mirror
- 17. Headliner
- 18. Inner trim
- 19. Seaming welt
- 20. Motor hole cover

Note

Use a fastener remover like the one shown in the figure to remove the "D", "E", and "F" type fasteners.

HOOD AND HOOD LOCK

STRUCTURAL VIEW



67U14X-016

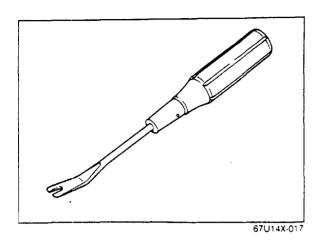
- 1. Hood panel
- 2. Hinge (R and L)
- 3. Cowl seal rubber
- 4. Hood stay

- 5. Hood lock
- 6. Upper duct cover (R and L)
- 7. Lock brace
- 8. Insulator

- 9. Front seal rubber
- 10. Headlight protector (R and L)
- 11. Striker
- 12. Windshield washer hose

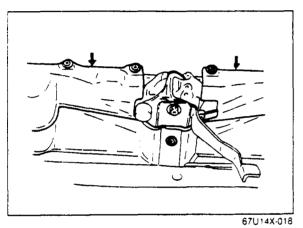
Caution

- a) Do not replace steel hoods with aluminum hoods without replacing the hood hinges, as aluminum hoods need electrically insulated hinges to prevent electrolytic corrosion.
- b) Two types of hood locks are used; one for aluminum hoods and one for steel hoods. The strengths of the locks are different due to the weight of the hoods. Use only the proper lock for the respective hood.



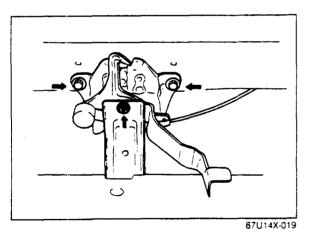
Note

Use a fastener remover like the one shown in the figure to remove the "A" and "B" type fasteners.



ADJUSTMENT OF HOOD LOCK

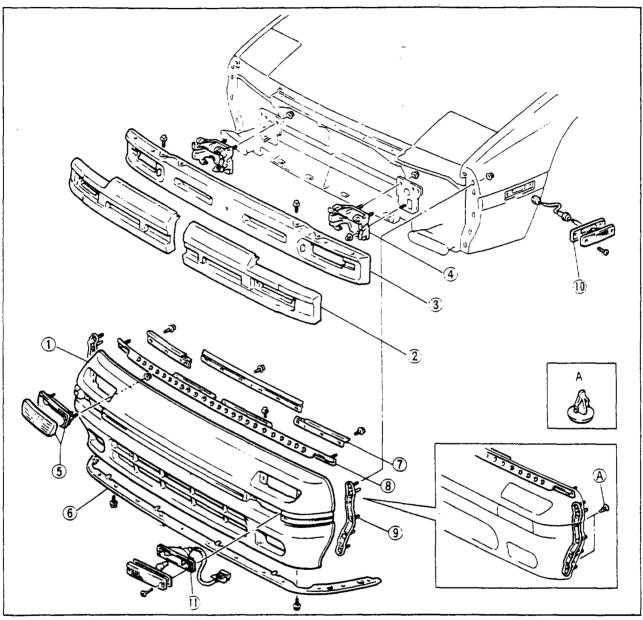
1. Remove the upper duct cover.



2. Loosen the lock attaching bolts and nuts to adjust the hood lock.

FRONT BUMPER

STRUCTURAL VIEW



67U14X-020

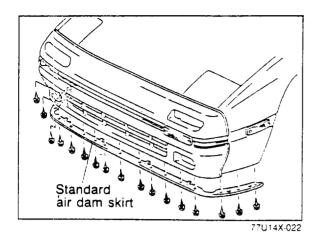
- 1. Fascia
- 2. Energy absorbing foam (R and L)
- 3. Bumper reinforcement
- 4. Bumper stay (R and L)
- 5. Passing port window cover (R and L)
- 6. Front airdam stirt
- 7. Upper set plate (3)
- 8. Retainer
- 9. Side set plate (R and L)

10. Front side marker light

bulb: 3.8w

11. Front combination light

bulb: Turn signal/Parking light 27/8 w

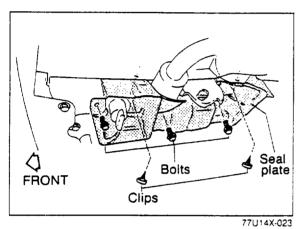


OPTIONAL FRONT AIR DAM SKIRT Installation

- 1. Jack up the front of the vehicle and support it with safety stands.
- 2. Remove standard air dam skirt.

Note

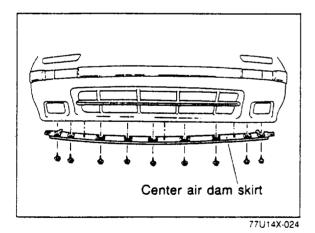
Do not reuse the 17 screws which were attached to the air dam skirt.



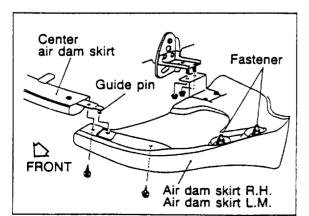
3. Remove seal plate attached to the right and left as the figure shows.

Note

Keep the seal plate, bolts, and clips because they are reuseable.



4. Install the center air dam skirt using the 9 screws supplied in the kit.

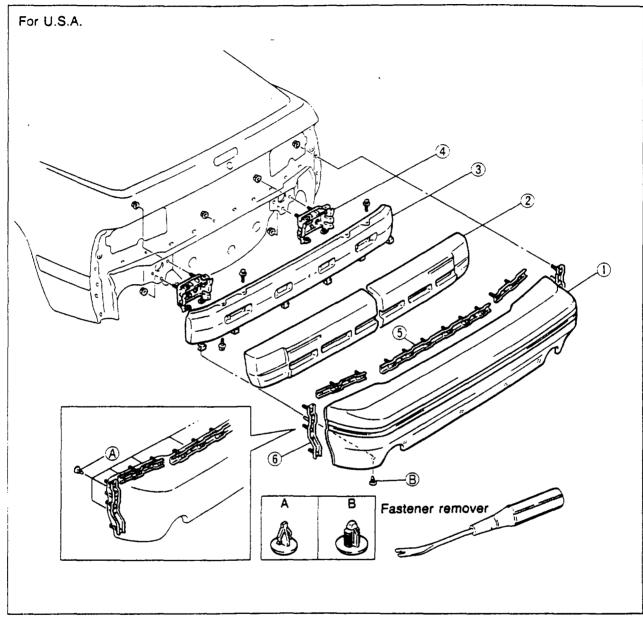


77U14X-014

- 5. Install the right and left air dam skirt.
- 6. Attach the seal plate, which was removed before.

REAR BUMPER

STRUCTURAL VIEW



67U14X-021

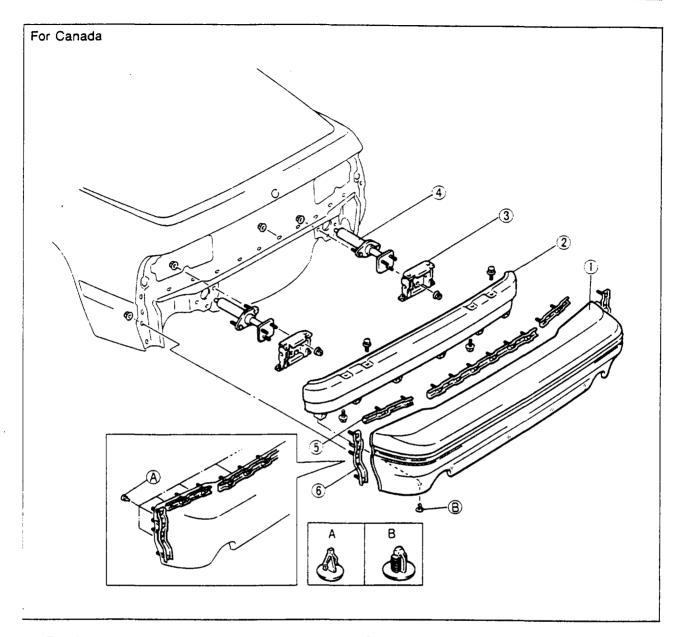
- 1. Fascia
- 2. Energy absorbing foam (R and L)
- 3. Bumper reinforcement

- 4. Bumper stay (R and L)
- 5. Upper set plate (3)
- 6. Side set plate (R and L)

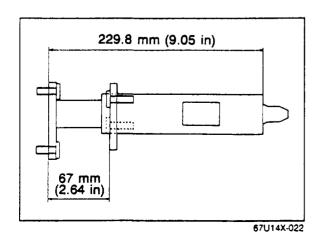
Note

Use a fastener remover like the one shown in the figure to remove the "A" and "B" type fasteners.

14 REAR BUMPER



- 1. Fascia
- 2. Bumper reinforcement
- 3. Bumper stay (R and L)



- 4. Shock absorber (R and L)
- 5. Upper set plate (3)
- 6. Side set plate (R and L)

INSPECTION OF SHOCK ABSORBER

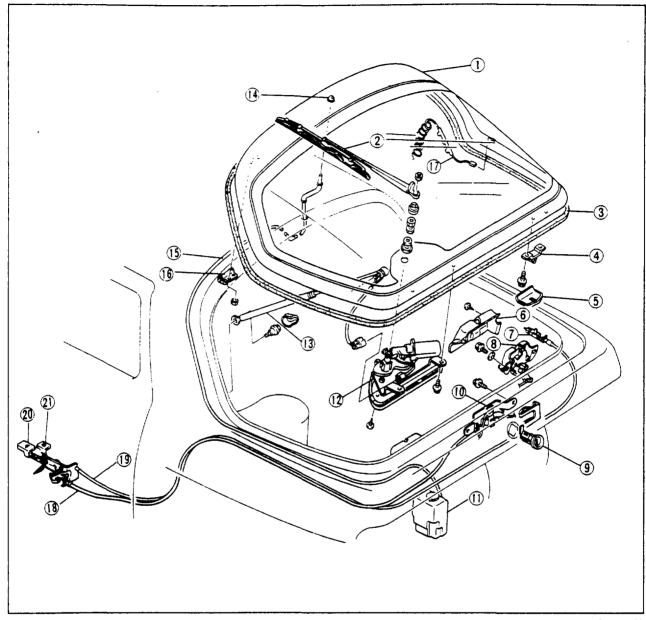
- 1. Check that lengths (A) and (B) are within specification.
- 2. Check for any oil or gas leakage.

Warning

Do not disassemble the shock absorbers or expose them to fire.

REAR GLASS HATCH, REAR WIPER, AND FUEL LID OPENER

STRUCTURAL VIEW

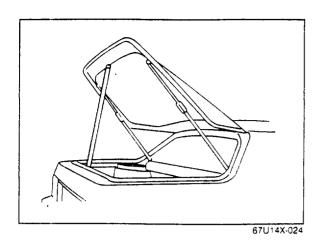


67U14X-023

- 1. Rear glass hatch
- 2. Wiper arm and blade
- 3. Weatherstrip
- 4. Striker (R and L)
- 5. Striker cover
- 6. Lock cover
- 7. Fuel lid opener unit
- 8. Lock (R and L)
- 9. Key cylinder
- 10. Opener unit
- 11. Washer tank
- 12. Wiper motor assembly
- 13. Damper stay (R and L)
- 14. Washer nozzle

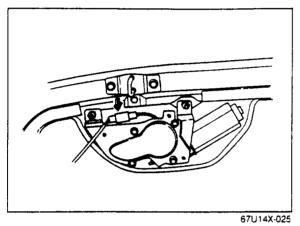
- 15. Washer hose
- 16. Rear glass hatch hinge
- 17. Defroster wiring
- 18. Release wire (rear glass hatch)
- 19. Release wire (fuel lid)
- 20. Release lever (rear glass hatch)
- 21. Release lever (fuel lid)

14 REAR GLASS HATCH, REAR WIPER, AND FUEL LID OPENER

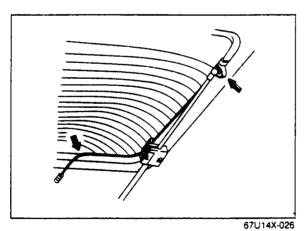


REMOVAL OF REAR GLASS HATCH

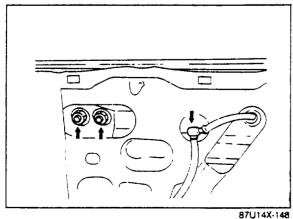
- Disconnect the negative battery cable.
 Open the rear glass hatch.
- 3. Support the rear glass hatch with a rod.



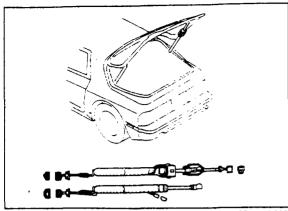
4. Disconnect the rear wiper motor connector.



- 5. Remove the rear defroster wiring from the glass hatch (R and L).
- 6. Disconnect the damper stays (R and L).
- 7. Close the rear glass hatch.



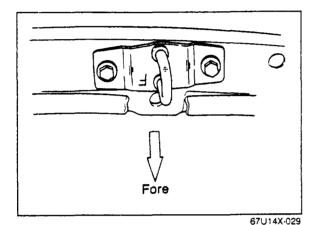
- 11. Remove the rear glass hatch.
- 8. Remove the rear top garnish and the top ceiling. (Refer to page 14-12)
- 9 Disconnect the rear washer hose.
- 10. Remove the rear glass hatch hinge nuts (4).



67U14X-028

Warning

- a) Do not disassemble the damper stay, as it is filled with gas and oil.
- b) Before discarding a damper stay that is being replaced, drill a 2 or 3 mm (0.079 or 0.118 in) hole at the lower end of the cylinder and allow the high pressure gas to escape. Take care when venting it, as the gas and oil will escape with considerable force.

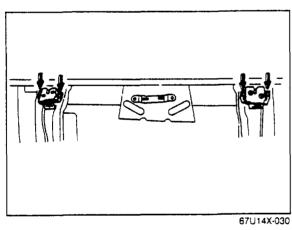


ADJUSTMENT OF REAR GLASS HATCH Striker

The strikers can be adjusted forward or rearward by loosening the attaching bolts.

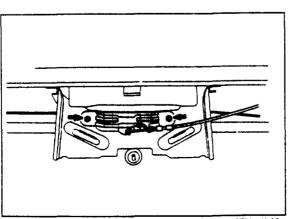
Note

The strikers are directional, having an "F" mark on them, indicating the front of the vehicle.



Lock

1. To adjust the rear glass hatch locks, loosen the hatch lock attaching bolts and move the lock as required to align the rear glass hatch strikers.

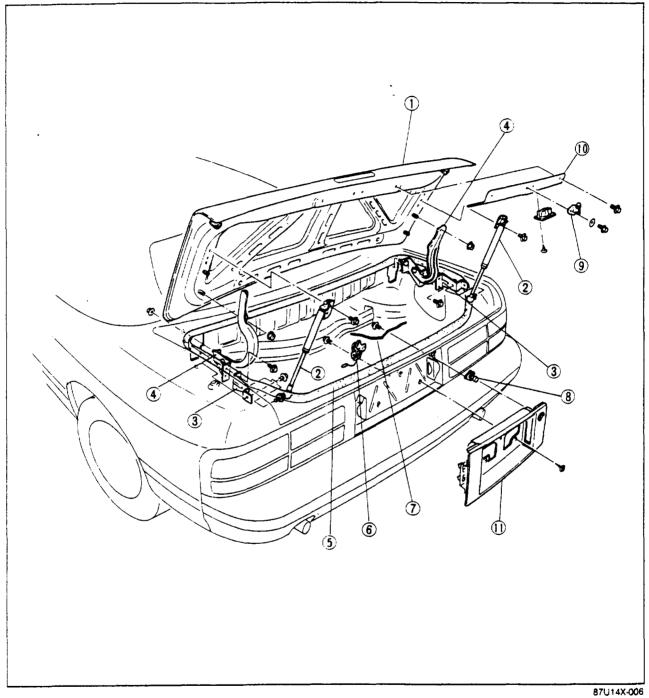


67U14X-031

2. To adjust the unlocking timing of the rear glass hatch locks, loosen the attaching bolts of the opener unit and move the opener unit to the right or left so that the two locks unlock simultaneously.

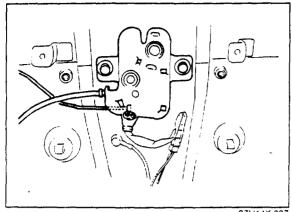
TRUNK LID

STRUCTURAL VIEW



- 1. Trunk lid
- 2. Damper stay
- 3. Damper stay bracket
- 4. Trunk lid hinge
- 5. Weatherstrip
- 6. Trunk lid opener

- 7. Opening rod8. Trunk lid key cylinder9. Trunk lid striker
- 10. Lock reinforcement
- 11. Rear finisher

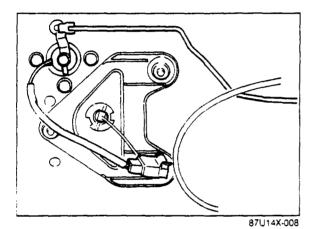


87U14X-007

REMOVAL

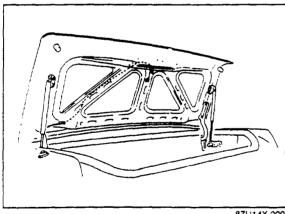
Removal of Trunk Lid Opener

- 1. Disconnect the trunk lid opener switch connector.
- 2. Remove the bolts, then remove the trunk lid opener.
- 3. Remove the opening rod and the release wire.



Removal of Trunk Lid Key Cylinder

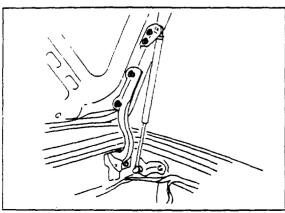
- 1. Disconnect the trunk lid key cylinder switch con-
- 2. Remove the opening rod.
- 3. Remove the bolts, then remove the trunk lid key cylinder.



87U14X-009

Removal of Wire Harness

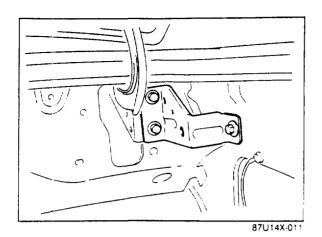
- 1. Remove the lock striker and the lock reinforcement attaching bolts, then remove the lock striker and the lock reinforcement.
- 2. Disconnect the connectors of the luggage compartment light and the high mounted stop light.
- 3. Remove the wire harness.



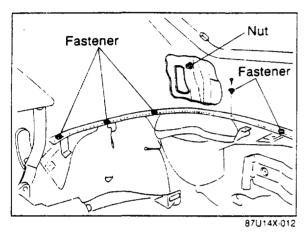
87U14X-010

Removal of Trunk Lid

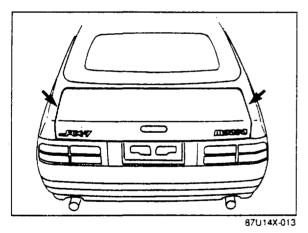
- 1. Remove the damper stay installation bolts.
- 2. Remove the trunk lid installation nuts, then remove the trunk lid.



3. Remove the damper stay bracket installation bolts, then remove the damper stay bracket.



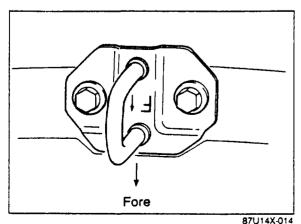
- 4. Remove the scuff plate and the quarter trim attaching screws, then remove the quarter trim.
- 5 Remove the headliner attaching fasteners (5) shown in the figure.
- 6 Remove the trunk lid hinge installation nut, then remove the trunk lid hinge.



ADJUSTMENT

Trunk Lid

1. Align the trunk lid as shown in the figure.



Trunk Lid Striker

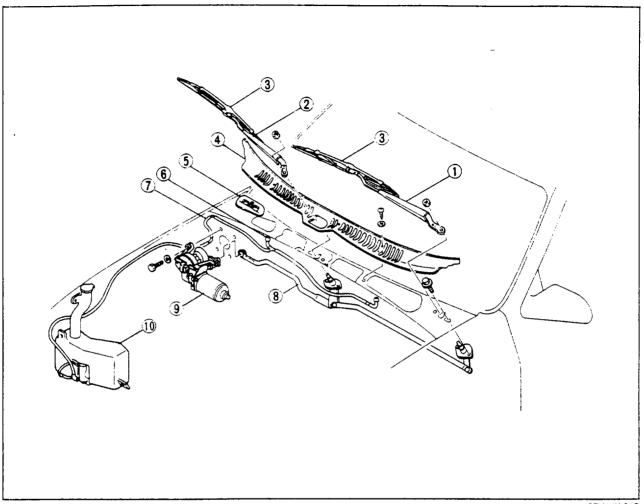
1. The striker can be adjusted forward or rearward by loosening the attaching bolts.

Note

The strikers are directional, having an "F" mark on them, indicating the front of the vehicle.

WINDSHIELD WIPER

STRUCTURAL VIEW



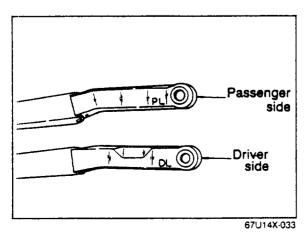
87U14X-015

- 1. Wiper arm (for driver's side) 4. Cowl grille
- 2. Wiper arm (for passenger's 5. Service hole cover side)
- 3 Wiper blade

- 6. Washer nozzle
- 7. Washer hose

- 8. Link assembly
- 9. Motor assembly
- 10. Washer tank

Note The two wiper arms are not interchangeable.



REMOVAL

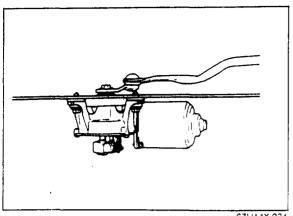
- 1. Disconnect the negative battery cable.
- 2. Remove the wiper arms.

Note

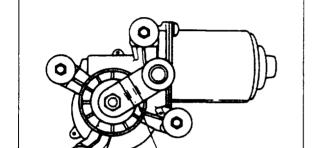
The two wiper arms are identified by the marks on arms.

Mark "DL": for driver's side Mark "PL": for passenger's side

14-25



- 3. Remove the cowl grille.
- 4. Disconnect the wiper link at the motor side.

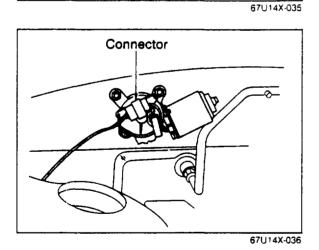


Mòtor arm

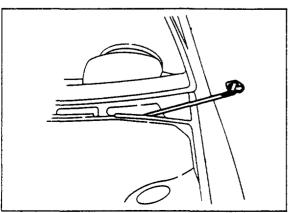
67U14X-034

Caution

Do not remove the motor arm unless it is necessary, as the motor arm position to the motor shaft decides the automatic stop position (lowest position of the wiper arm).



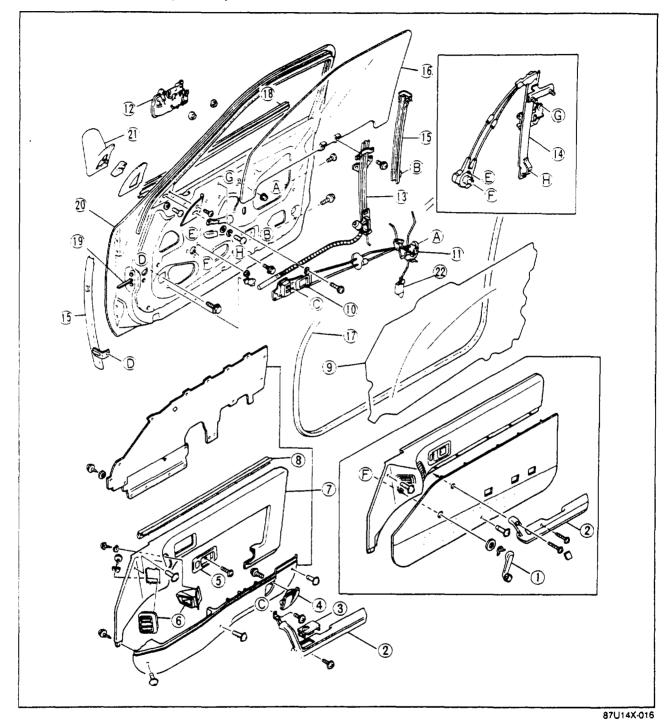
- 5. Disconnect the wiring connector.
- 6. Remove the wiper motor.



- 7. Remove the wiper link unit attaching bolts.
- 8. Take the wiper link unit out from the left side (driver's side) service hole.

DOOR

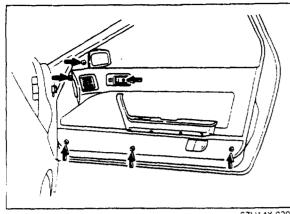
STRUCTURAL VIEW (COUPE)



- 1. Regulator handle (manual type)
- 2. Arm rest
- 3. Power window switch
- 4. Courtesy light lens
- 5. Inner handle cover
- 6. Door ventilation grille
- 7. Door trim

- 8. Weatherstrip (inner)
- 9. Door screen
- 10. Inner handle
- 11. Door lock assembly
- 12. Outer handle
- 13. Regulator (power type)14. Regulator (manual type)
- 15. Glass guide

- 16. Glass
- 17. Weatherstrip
- 18. Weatherstrip (outer)
- 19. Door checker
- 20. Door
- 21. Door mirror
- 22. Door lock actuator

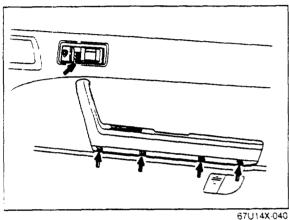


67U14X-039

REMOVAL OF DOOR GLASS AND REGULATOR (POWER WINDOW TYPE)

- 1. Remove the door mirror.
- 2. Remove the inner handle cover.
- 3. Remove the door trim attaching screws.

For manual regulator type, remove the regulator handle.

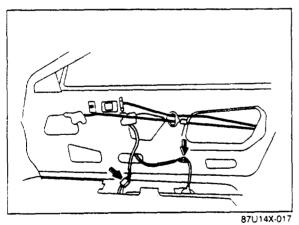


4. Remove the arm rest attaching screws (5).

Note

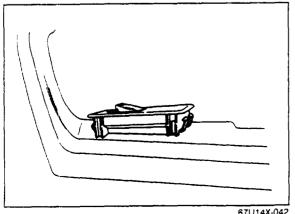
The arm rest cannot be removed even after the screws are removed, as the arm rest is fastened to the door trim.

5. Pull the lower portion of the door trim out, and then lift upward.

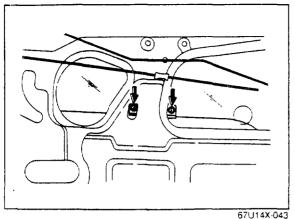


- 6. Detach the door trim from the door.
- 7. Disconnect the connectors of the courtesy light and the power window switch.
- 8. Remove the door screen.

- 9. Remove the outer weatherstrip.
- 10. Remove the power window switch from the door
- 11. Connect the power window switch connector.



67U14X-042

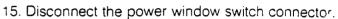


- 12. Position the glass attaching bolts at the service holes by operating the power window switch.
- 13. Disconnect the negative battery cable.

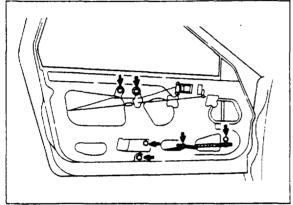
Note

For manual regulator type, use the regulator handle to move the glass.

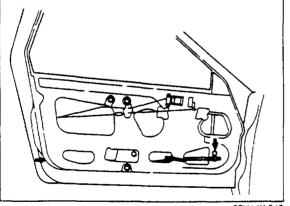
14. Remove the glass attaching bolts, and then remove the glass.



- 16. Loosen the ball hose holding bands.
- 17. Remove the window regulator attaching bolts, and then remove the window regulator.



67U14X-044

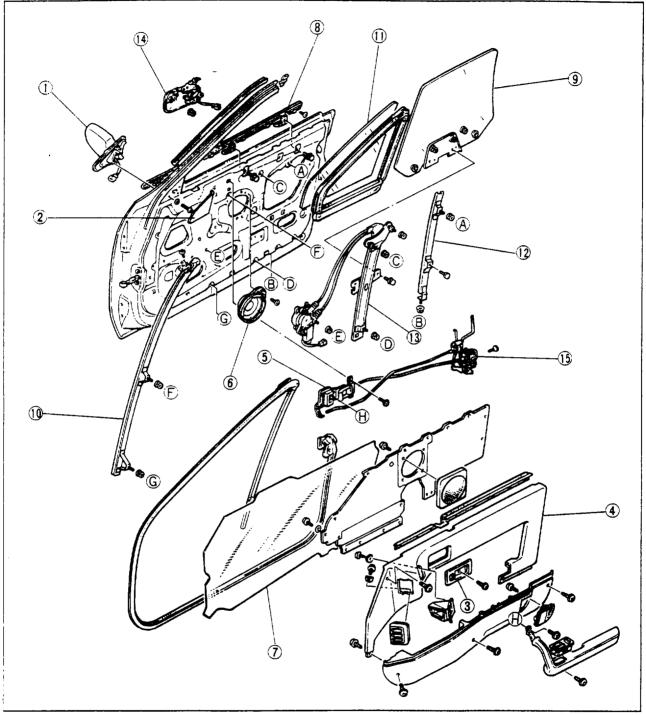


67U14X-045

ADJUSTMENT

Adjust the positions of the regulator and glass guides by loosening the attaching bolt so that the glass runs smoothly, and then retighten.

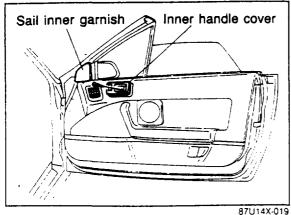
STRUCTURAL VIEW (CONVERTIBLE)



87U14X-018

- 1. Door mirror
- 2. Sail inner garnish
- 3. Inner handle cover
- 4. Door trim
- 5. Inner handle

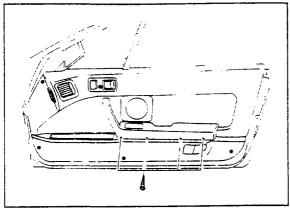
- 6. Speaker7. Door screen
- 8. Upper stopper
- 9. Door glass
- 10. Division channel
- 11. Quarter glass
- 12. Sub-guide
- 13. Regulator
- 14. Outer handle
- 15. Door lock



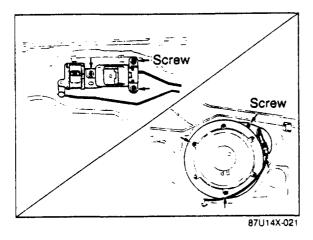
REMOVAL

Removal of Door Trim

- 1. Remove the sail inner garnish.
- 2. Remove the screws and remove the inner handle cover.



- 0/0/42-013
- 3. Remove the screws and fasteners, then remove the door trim.
- 4. Disconnect the power window switch and courtesy light connectors.

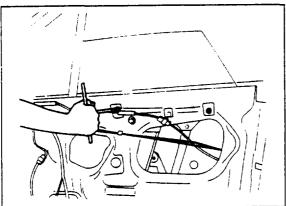


87U14X-020

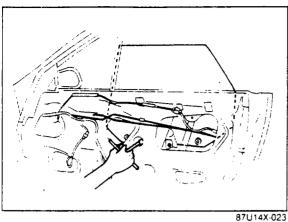
87U14X-022

Removal of Door Glass

- 5. Connect the power window switch, then raise the door glass 230 mm (9.06 in) from the fully open position.
- 6. Disconnect the battery negative cable and power window switch connector.
- 7. Remove the inner handle.
- 8. Disconnect the speaker connector, then remove the speaker.

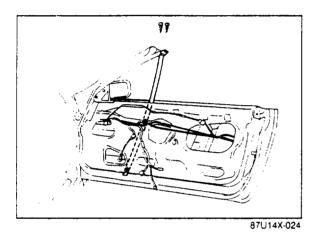


- 9. Remove the nuts, then remove the upper stopper.
- 10. Remove the weatherstrip.



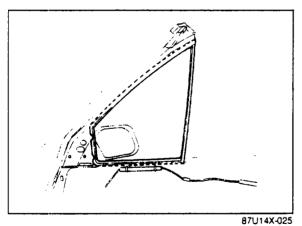
- 11. Remove the glass attaching bolts.12. Remove the door glass upward.



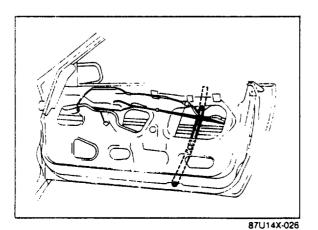


Removal of Quarter Glass

13. Remove the division channel installation screws and bolts, then remove the division channel.

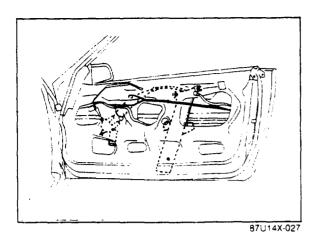


- 14. Detach the weatherstrip of the quarter glass from the corner bracket.
- 15. Remove the quarter glass backward.



Removal of Sub-guide

16. Remove the sub-guide installation nuts, then remove the sub-guide.



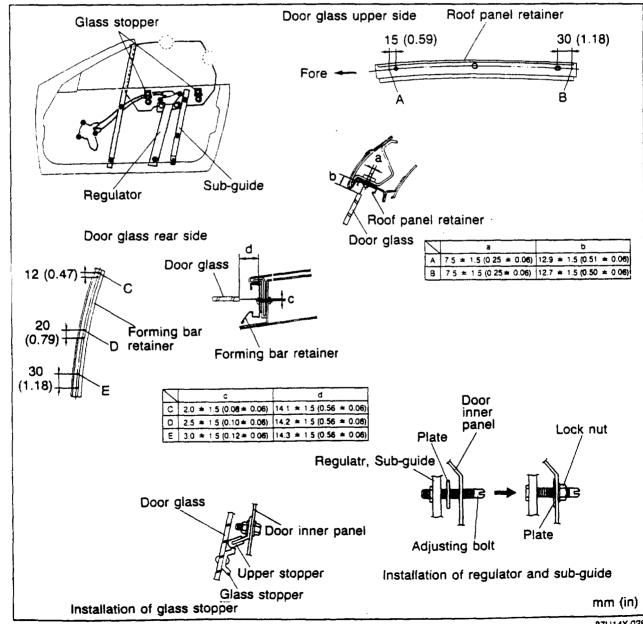
Removal of Regulator

- 17. Disconnect the power window motor connector.
- 18. Remove the bolts and nuts, then remove the regulator.

ADJUSTMENT

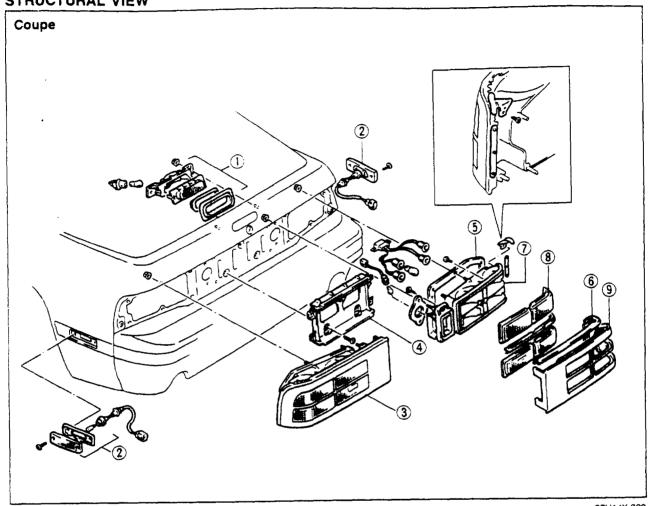
Adjustment of Door Glass

1. Close the door glass completely, and then adjust as described below.



REAR COMBINATION LIGHT, SIDE MARKER LIGHT, AND HIGH MOUNTED STOP LIGHT

STRUCTURAL VIEW



87U14X-029

1. High mounted stop light 27 w bulb: 2. Rear side marker light 3.8 w bulb: 3. Rear combination light

bulbs: Back-up light 27 w Stop/Tail light 27/8 w x 2 27 w Turn signal light

License plate light 7.5 w

4. Rear finisher

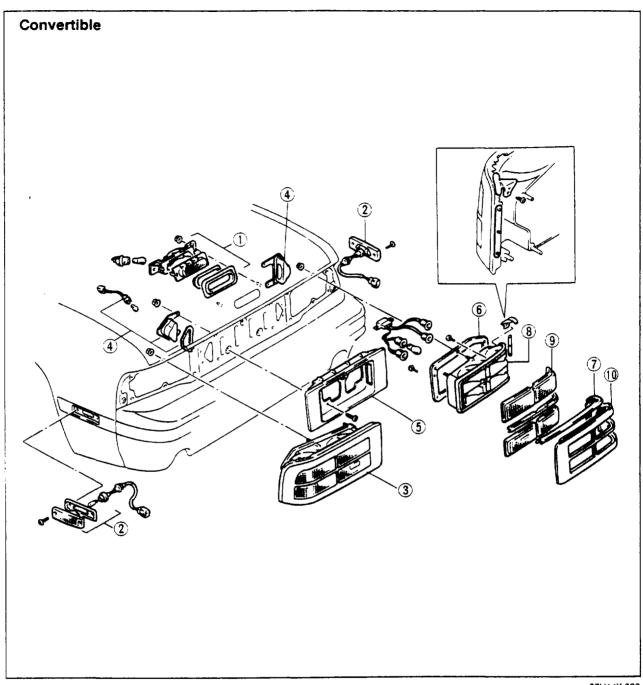
5. Gasket

6. Packing

7. Light housing

8. Lens

9. Rim



87U14X-030

1.	High	mo	unted	stop	light
	bult) :			
_	_				

2. Rear side marker light bulb:

3. Rear combination light bulbs: Back-up light Stop/Tail light 4. License plate light

bulb:

27 w

3.8 w

27 w 27/8 w x 2

7.5 w

5. Rear finisher

6. Gasket

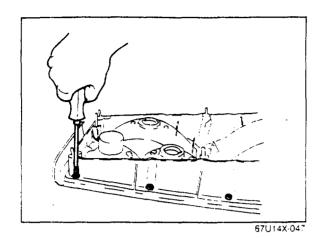
7. Packing

8. Light housing

9. Lens

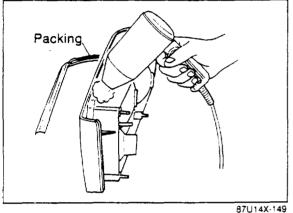
10. Rim

14 REAR COMBINATION LIGHT, SIDE MARKER LIGHT, AND HIGH MOUNTED STOP LIGHT



REPLACEMENT OF COMBINATION LIGHT LENS

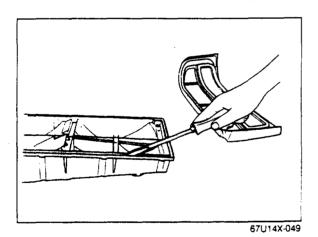
1. Remove the body attaching screws.



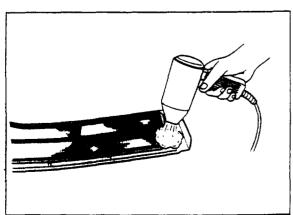
2. Remove the packing.

3. Soften the "hot melt" (bonding agent) between the light housing and the rim using a blow dryer.

4. Pry apart the light housing and the rim starting at the corner.

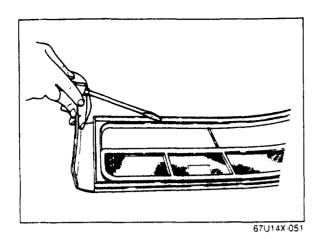


5. While heating the light housing, remove the "hot melt" if it is not going to be reused.

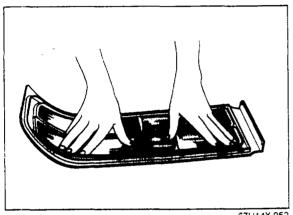


87U14X-150

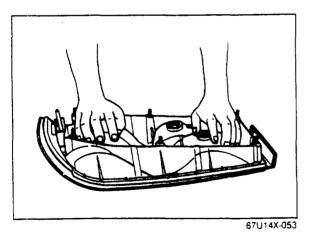
- 6. Soften the "hot melt" between the lens and the rim using a blow dryer.
- 7 Pry apart the lens and rim, starting at the corner.



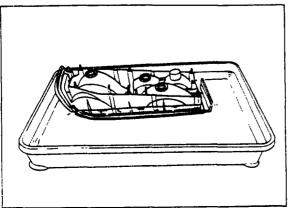
8. While heating the rim, remove the hot melt if it is not going to be reused.



- 9. Apply Uni-sealer (8531 77 739) in the rim groove (if the "hot melt" was removed).
- 10. Fit the new lens to the rim and press the lens so that it will adhere.



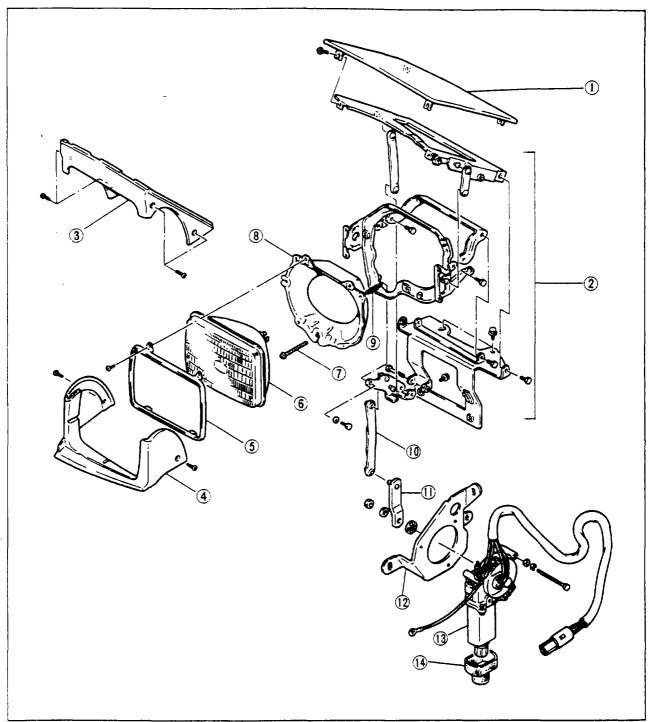
- 67U14X-052
- 11. Apply Uni-sealer (8531 77 739) in the light housing groove (if the "hot melt" was removed).
- 12. Fit the light housing to the rim and press the housing so that it will adhere.
- 13. Fix the light housing to the rim using the screws.



- 14. Check for water leakage after assembling.
- 15. Install the packing.

RETRACTABLE HEADLIGHT

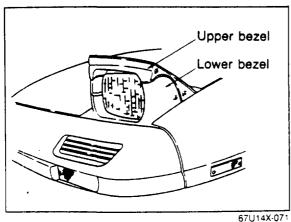
STRUCTURAL VIEW



87U14X-031

- 1. Headlight lid
- 2. Retractor hinge unit
- 3. Upper bezel
- 4. Lower bezel
- 5. Retaining ring
- 6. Headlight bulb
- 7. Adjusting screw
- 8. Lamp bezel
- 9. Spring
- 10. Motor link

- 11. Motor arm
- 12. Motor bracket
- 13. Retractor motor
- 14. Rubber cap

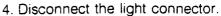


REPLACEMENT OF HEADLIGHT BULB

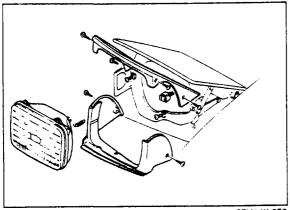
- 1. Raise the headlight.
- 2. Disconnect the negative battery cable.
- 3. Remove the upper bezel and lower bezel of the headlight.

Warning

Disconnect the negative battery cable to prevent accidental lowering of the headlight and possible personal injury while work is being performed.



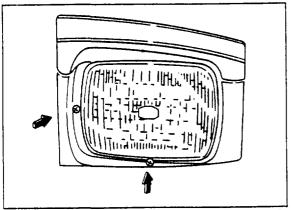
5. Remove the bulb attaching screws and replace the bulb.



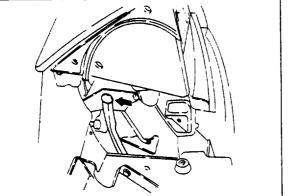
67U14X-072

ADJUSTMENT OF HEADLIGHT AIM 1. Raise the headlight.

2. Adjust the headlight aim to local regulations by turning the adjusting screws.



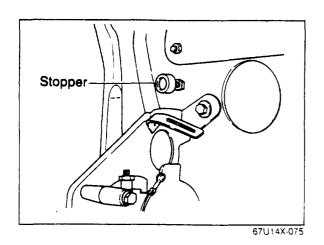
87U14X-151



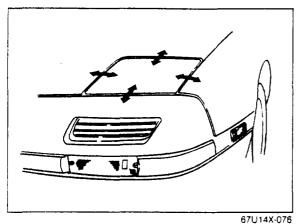
67U14X-074

ADJUSTMENT OF HEADLIGHT HINGE

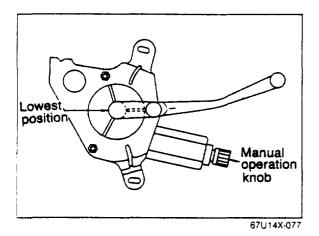
1. Disconnect the motor link.

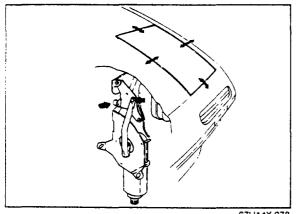


2. Lower the retractor hinge until the hinge is stopped by the stopper.



Adjust the stopper so that the headlight lid is flush. with the fender and the hood.





67U14X-078

ADJUSTMENT OF RETRACTOR MOTOR PO-SITION

- 1. Remove the front soft fascia.
- 2. Lower the retractor hinge until the hinge is stopped by the stopper.
- 3. Remove the motor assembly.
- 4. Adjust the motor arm position by turning the manual operation knob so that the motor arm is in its lowest position as shown in the figure.

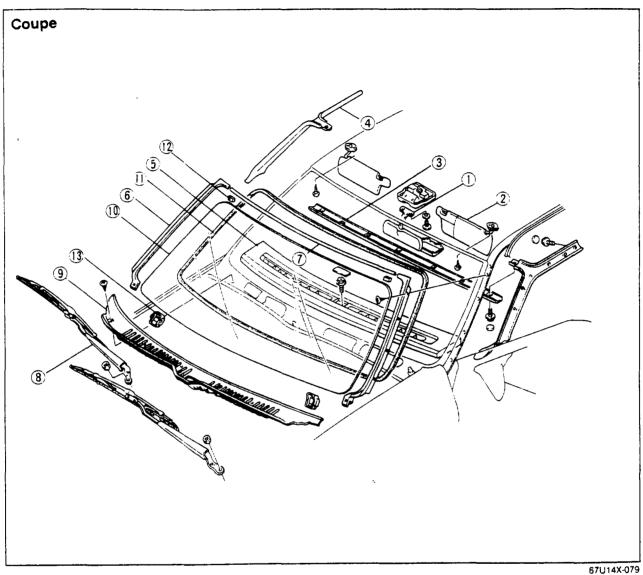
Caution

Do not remove the motor arm from the shaft, as doing so may cause incorrect automatic stop operation.

- 5. Check that the retractor hinge is against the stopper and the headlight lid is flush with the fender and the hood.
- 6. Connect the motor link to the hinge.
- 7. Mount the motor assembly to the body.

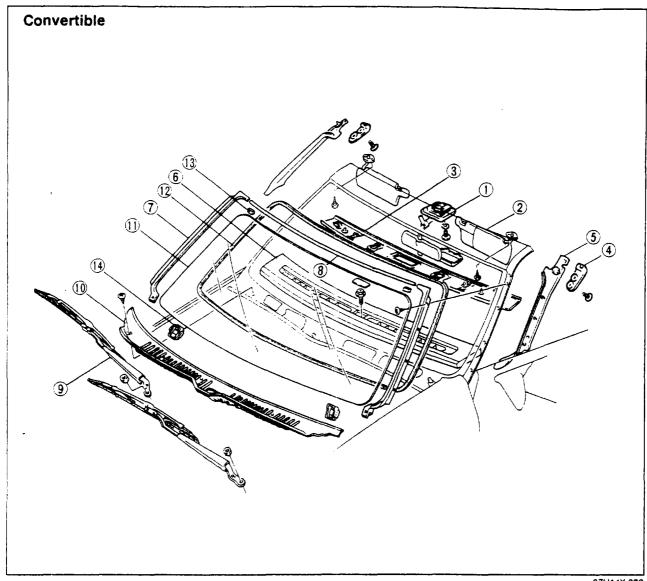
WINDSHIELD GLASS

STRUCTURAL VIEW



- 1. Interior mirror
- 2. Sunvisor (2)
- 3. Front top garnish
- 4. Front pillar trim
- 5. Instrument panel garnish
- 6. Front pillar garnish
- 7. Upper molding
- 8. Wiper arm

- 9. Cowl grille 10. Windshield glass
- 11. Dam
- 12. Upper spacer (2)
- 13. Lower spacer (2)



87U14X-032

- 1. Interior mirror
- 2. Sunvisor (2)
- 3. Front header trim
- 4. Top lock striker
- 5. Front pillar trim
- 6. Instrument panel garnish
- 7. Front pillar garnish
- 8. Upper molding
- 9. Wiper arm
- 10. Cowl grille

- 11. Windshield glass
- 12. Dam
- 13. Upper spacer (2)
- 14. Lower spacer (2)

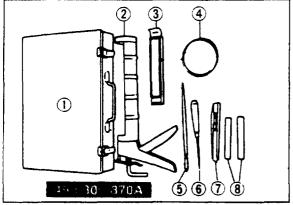


Use SST to remove and install the glass.

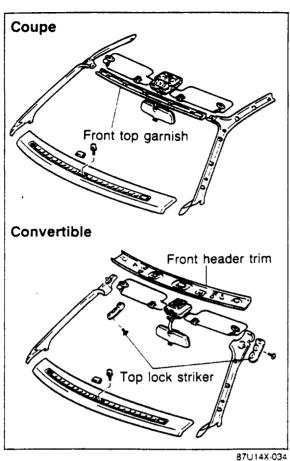
- Tool box
- ⑤ Brush
- Sealant
- Awl
- Molding remover
- Knife
- Piano wire
- Bars

Other necessary materials

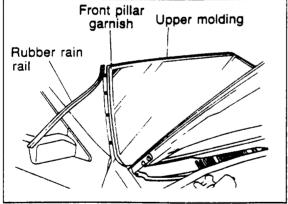
- a) Repair seal (B001 77 739), or equivalent
- b) Dam



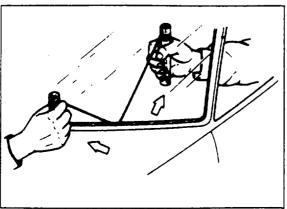
87U14X-033



- 1. Remove the interior mirror, sunvisor, and the top lock strikers (convertible).
- 2. Remove the front top garnish (coupe), the front header trim (convertible), the front pillar trims, and the instrument panel garnish.



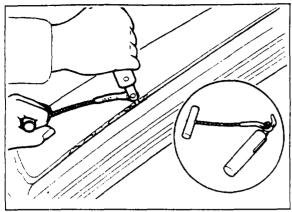
- 3. Remove the front pillar garnish and the upper
- 4. Remove the wiper arms and the cowl grille.



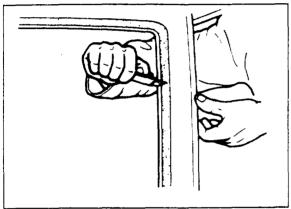
87U14X-035

- 5. Make a hole in the sealant using the awl.
- 6. Pass the end of a piece of the piano wire through the hole, and attach a bar to each end.
- 7. Two people should hold the bars, one inside and one outside the vehicle, and then "saw" the sealant around the glass.
- 8. Remove the glass from the body.

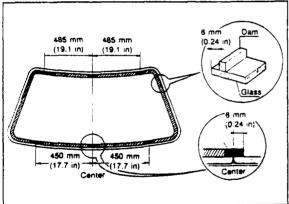
67U14X-083



87U14X-152



67U14X-085



67U14X-086



67U14X-087

Note

- a) Cut along the border between the glass and the sealant.
- b) If too much heat develops, the piano wire may break, so cool it occasionally or do not work on one place too long.
- c) If the glass is not to be reused, a tool like that shown in the figure is faster than piano wire.

Insert the blade in the sealant, pull on the bars, and cut the sealant.

INSTALLATION

1. Use the knife to trim the sealant on the body. Leave a layer of about 1 or 2 mm (0.04 to 0.08 in) thick.

Note

If some of the sealant flakes off, use new sealant to patch it.

- 2. Carefully clean and remove any grease from a 5 cm (1.9 in) wide area around the perimeter of the glass and the remaining bond on the body.
- 3. Attach the dam around the glass, about 5 mm (0.2 in) from the edge.

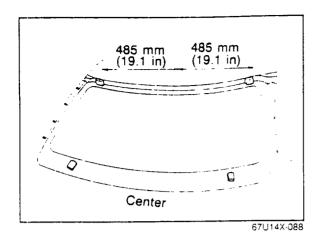
Note

Be sure the dam is straight and set securely.

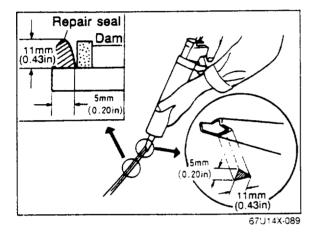
4. Use the brush to apply a coat of primer to the adhesion surfaces around the glass and the body where the glass will adhere, and allow it to dry for 10 minutes or more.

Note

Be sure no dust, moisture, or grease gets on the coated surface, and do not touch the primer.



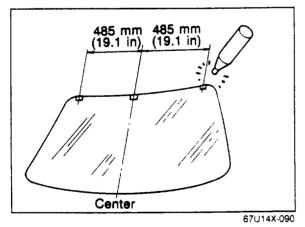
5. Attach the spacers where shown in the figure, using adhesive for the upper spacers and inserting the lower spacers.



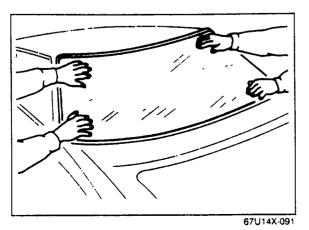
6. After the primer dries, apply a bead of repair seal to a height of 11 mm (0.43 in) around the glass, using the sealant gun.

Note

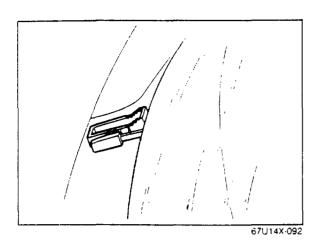
- a) With the repair seal cartridge prepared as shown in the figure, use a piece of wire to break through the seal film, and then apply the seal.
- b) If necessary, smooth the repair seal to correct any irregularities.



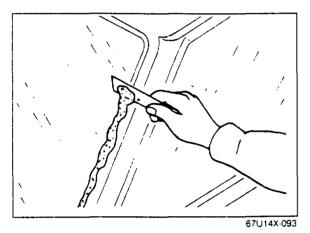
7. Make three alignment marks on the upper edge of the glass as shown in the figure.



8. Mount the glass onto the body so that the marks on the glass align with the upper spacers.



- 9. Raise the glass up until the upper edge of the glass is stopped by the upper spacers.
- 10. Fix the glass by pushing the lower spacers against the lower edge of the glass.

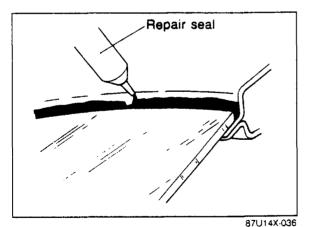


11. Leave the doors and the windows open until the repair seal becomes somewhat hardened.

Repair seal hardening time

Temperature	Surface	Base
5°C	Approx. 90 min	12 hours
20°C	Approx. 60 min	4 hours
35°C	Approx. 10 min	2 hours

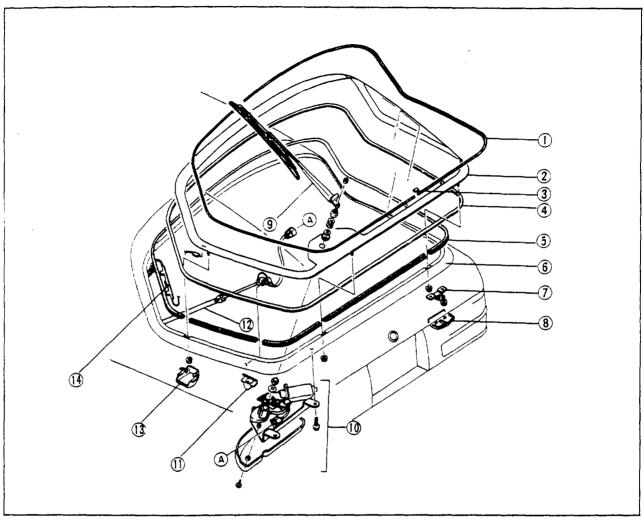
12. Remove excess or add repair seal where necessary.



- 13. Install the front pillar garnish and upper molding.
- 14. Check for water leakage. If leaks are found, remove the molding and fill the leaking area with the **repair seal** (B001 77 739).
- 15. Install the instrument garnish, front pillar trims, front top garnish (coupe), front header trim (convertible), sunvisors, interior mirror, and top lock striker (convertible).

REAR GLASS HATCH GLASS

STRUCTURAL VIEW



67U14X-096

- 1. Molding
- 2. Rear glass hatch glass
- 3. Molding joint
- 4. Dam
- 5. Seaming welt

- 6. Rear glass hatch sash
- 7. Striker (R and L)
- 8. Striker cover (R and L)
- 9. Wiper arm and blade
- 10. Wiper motor assembly
- 11. Stay connector cover
- 12. Damper stay (R and L)
- 13. Wiring connector cover
- 14 Defroster wiring (R and L)

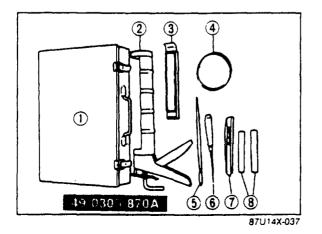


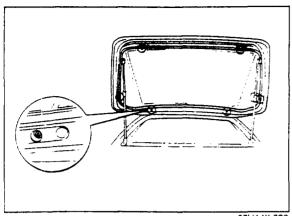
Use SST to remove and install the glass.

- ① Tool box
- ⑤ Brush
- ② Sealant gun
- 6 Awl
- 3 Molding remover
- (7) Knife
- 4 Piano wire
- Bars

Other necessary materials

- a) Repair seal (B001 77 739), or equivalent
- b) Dam

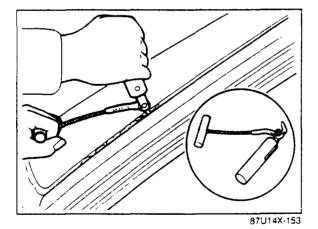




- 1 Remove the wiper arm and blade.
- 2. Remove the wiper motor assembly.
- 3 Remove the defroster wiring and covers.
- 4. Remove the seaming welt.
- 5. Remove the damper stays and covers.
- 6. Remove the molding and molding joint.
- 7. Remove the attaching nuts (6) of the glass.

67U14X-098

- 67U14X-099
- 8. Make a hole in the sealant using the awl.
- 9. Pass the end of a piece of the piano wire through the hole, and attach a bar to each end.
- 10. Two people should hold the bars, one inside and one outside the vehicle, and "saw" the sealant around the glass.
- 11. Remove the glass from the sash.



Note

- a) Cut along the border between the glass and the sealant.
- b) If too much heat develops, the piano wire may break, so cool it occasionally or do not work on one place too long.
- c) If the glass is not to be reused, a tool like that shown in the figure is faster than piano wire.

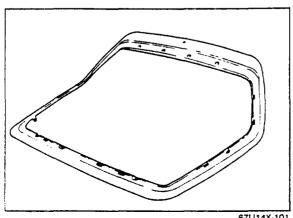
Insert the blade in the sealant, pull the bars, and cut the sealant around the glass



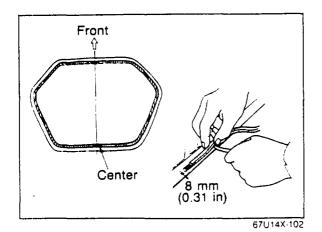
- 1. Remove the rear glass hatch sash from the body.
- 2. Use the knife to trim the sealant on the sash. Leave a layer about 1 or 2 mm (0.04 to 0.08 in) thick.



If some of the sealant flakes off, use new sealant to patch it.



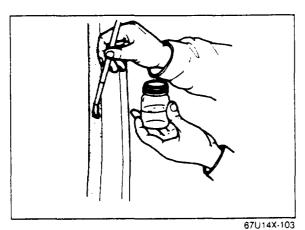
67U14X-101



- 3. Carefully clean and remove any grease from a 5 cm (1.97 in) wide area around the perimeter of the glass and the remaining bond on the sash.
- 4. Attach the dam around the glass about 8 mm (0.31 in) from the edge.

Note

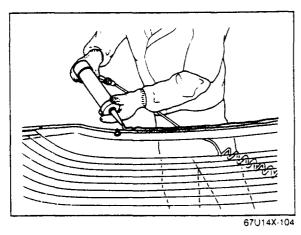
Be sure the dam is straight and set securely.



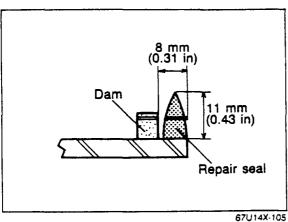
5. Use the brush to apply a coat of primary to the adhesion surfaces around the glass and on the sash where the glass will adhere, and allow it to dry for 10 minutes or more.

Note

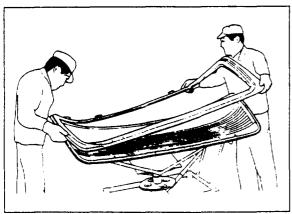
Be sure no dust, moisture, or grease gets on the coated surfaces, and do not touch the primer.



6. After the primer dries, apply a bead of repair seal to a height of 12 mm (0.47 in) around the glass, using a sealant gun.



Note If necessary, smooth the repair seal to correct any irregularities.



67U14X-106

7. Install the sash onto the glass.

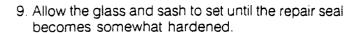
Note

The correct position of the sash on the glass is determined by the stud bolts on the glass.

8 Tighten the stud bolt nuts.

Tightening torque:

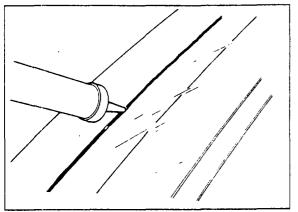
3 N·m (30 cm-kg, 26 in-lb)



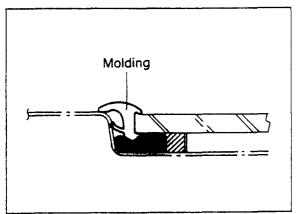
Repair seal hardening time

Temperature	Surface	Base
5°C	Approx. 90 min	12 hours
20°C	Approx. 60 min	4 hours
35°C	Approx. 10 min	2 hours

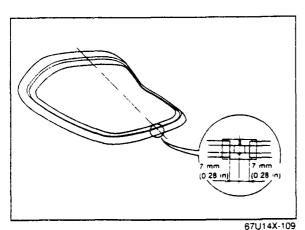
- 10. Remove the excess or add repair seal where necessary.
- 11. Install the molding, starting at the rear center of the rear glass hatch.



67U14X-107



67U14X-108



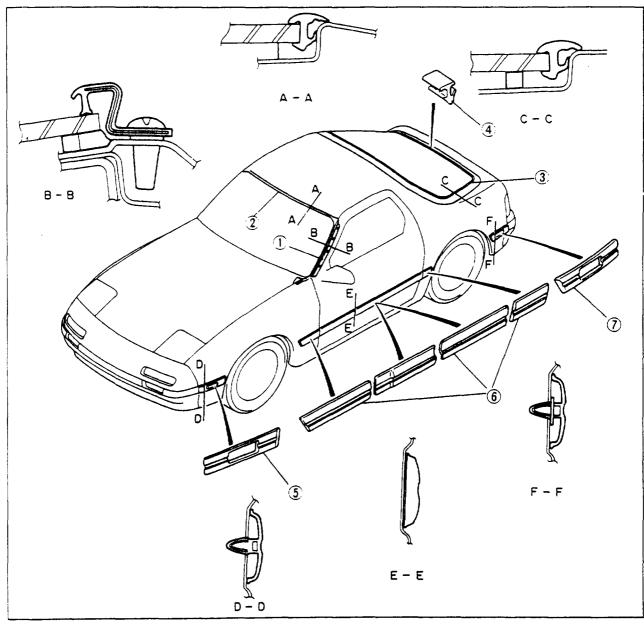
Note

Cut off the extra length of the molding, as in the figure.

- 12. Install the molding joint.
- 13. Install the seaming welt.
- 14 install the rear glass hatch onto the body.
- 15. Install the damper stays and covers.
- 16. Install the defroster wiring and covers.
- 17. Install the wiper motor assembly.
- 18. Install the wiper arm and blade.
- 19. Check for water leakage.

MOLDING

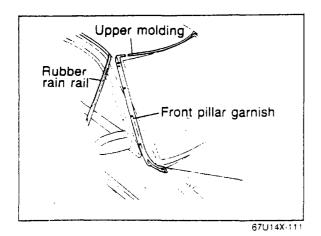
STRUCTURAL VIEW



67U14X-110

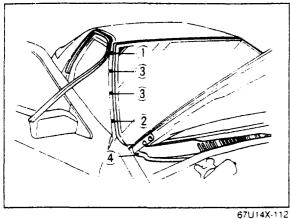
- Front pillar garnish
 Upper molding
 Rear glass hatch molding
 Molding joint

- 5. Front protector molding6. Side protector molding7. Rear protector molding



FRONT PILLAR GARNISH Removal

- 1. Remove the front half of the rubber rain rail.
- 2. Remove the right side front pillar garnish.
- 3. Remove the upper molding.
- 4. Remove the left side front pillar garnish.

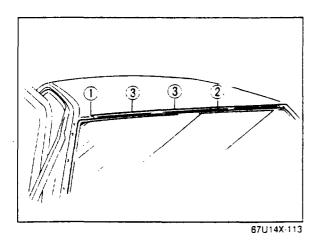


Installation

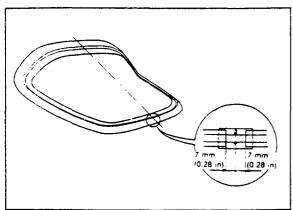
Install in the reverse order of removal.

Note

a) Tighten the attaching screws in the order shown in the figure.



b) Push in the upper molding in the order shown in the figure.



67U14X-114

REAR GLASS HATCH MOLDING Removal

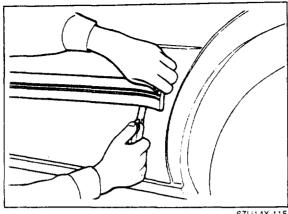
- 1. Remove the molding joint.
- 2. Remove the rear glass hatch molding, starting at one end.

Installation

Install in the reverse order of removal.

Note

Cut away the extra length of the molding as in the figure.



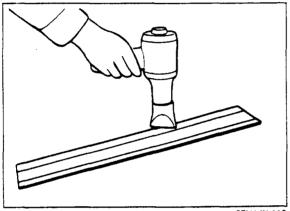
67U14X-115

SIDE PROTECTOR MOLDING (STICK-ON TYPE) Removal

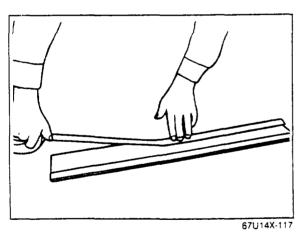
- 1. Being careful not to scratch the body, use a knife to cut away the molding from the body.
- 2. Cut away any adhesive remaining on the body or the molding.

Note

Remove as much adhesive as possible without damaging the surface.



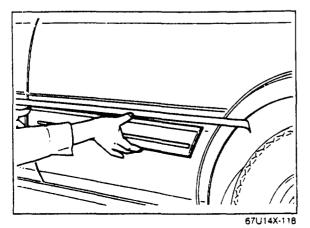
3. If the "hot melt" (adhesive) is hard to remove, use a blow dryer to soften it.



67U14X-116

Installation

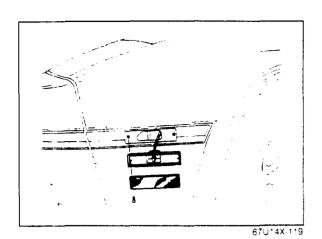
- 1. Remove any grease from the body and molding surfaces.
- 2. Use masking tape to mark the installation location on the body.
- 3. Attach two-sided molding tape to the molding adhesion surface.



4. Align the molding on the body and attach it securely.

Note

The adhesion strength is decreased below 20°C (68°F), so it is best to warm the body surface beforehand, if necessary.

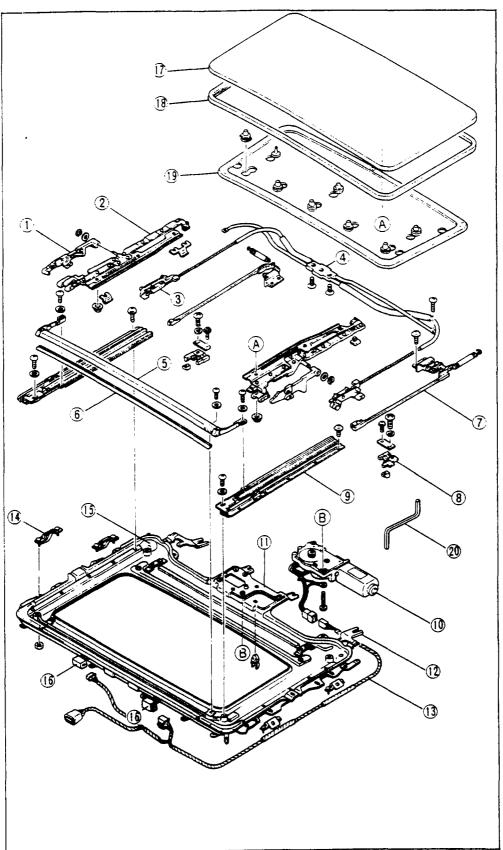


FRONT AND REAR PROTECTOR MOLDINGS (SNAP-IN TYPE) Removal and Installation

- 1. Remove the light.
- 2 Remove the molding by grasping the installation fasteners with pliers and pulling the molding outward.

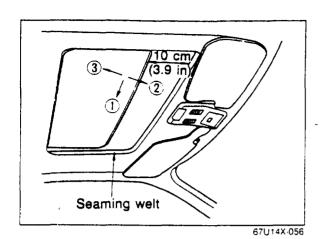
SLIDING SUNROOF

STRUCTURAL VIEW



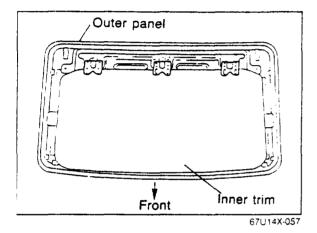
- 1. Lifter
- 2. Lower panel
- 3. Slider
- 4. Drive unit
- 5. Wind deflector
- 6. Seal
- 7. Shutter assembly
- 8. Cable holder
- 9. Guide rail
- 10. Motor assembly
- 11. Motor bracket
- 12. Rear header
- 13. Harness assembly
- 14. Set bracket
- 15. Frame assembly
- 16. Relay
- 17. Outer panel
- 18. Weatherstrip
- 19. Inner trim
- 20. Emergency handle

67U14X-055



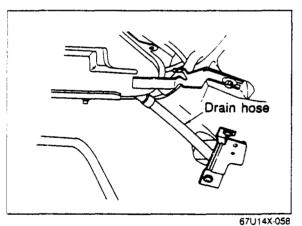
REMOVAL

- Open the outer panel about 100 mm (3.9 in).
 Remove the ceiling opening seaming welt.
- 3 Remove the inner trim;
 - (1) Pull down the front.
 - (2) Pull the trim forward.
 - (3) Remove the trim lifting it up, out of the vehicle.

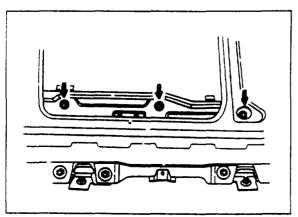


Note

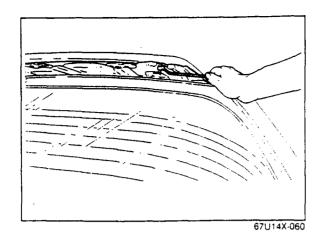
The inner trim rear is inserted into the outer panel as shown in the figure.



- 4. Remove the top ceiling.
- 5. Disconnect the drain hoses.

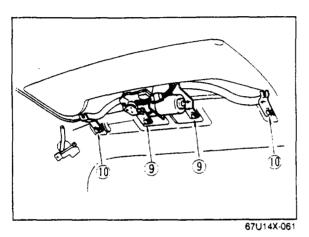


- 6. Close the sunroof with the emergency handle.
- 7. Disconnect the wire connectors.
- 8. Remove the outer panel by removing the outer panel fixing nuts (6).

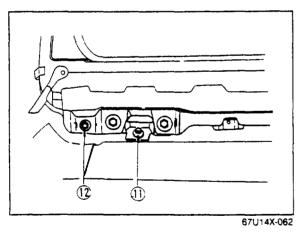


Note

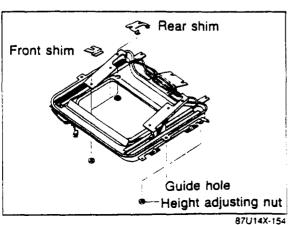
If the outer panel is to be removed without removing the top ceiling, fully open the outer panel, and remove the rear fixing nuts (2) from outside of the vehicle.



- 9. Remove the motor bracket attaching bolts.
- 10. Remove the rear header attaching bolts.



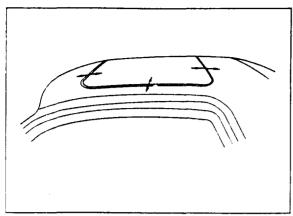
- 11. Remove the set bracket attaching bolts.
- 12. Supporting the lower unit, remove the height adjusting nuts (4) and take the lower unit down.



INSTALLATION

- 1. Attach the lower unit to the roof using the height adjusting nuts (4).
- 2. Install the outer panel with the front shims (2) and the rear shims (2) between the lower panel and the outer panel.

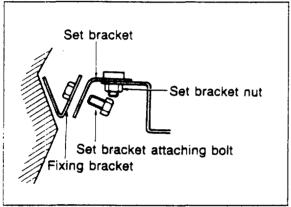
Tightening torque: 6.47—8.92 N·m (0.66—0.91 m-kg, 57.2—79.0 in-lb)



3. Adjust the sunroof height using the height adjusting nuts.

Height difference around circumference: 1.5 mm (0.06 in) max.

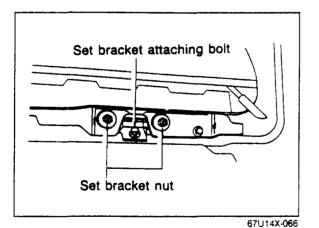




4. Loosen the set bracket nuts.

Adjust the set bracket positions so that the holes of the set bracket agree with those of the fixing brackets of the body.

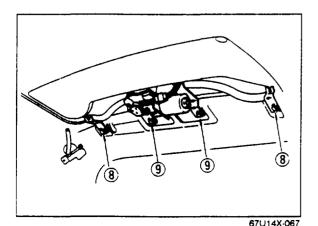




6. Attach the set brackets to the fixing brackets using the set bracket attaching bolts.

Tightening torque: 7.9--10.8 N·m (0.8--1.1 m-kg, 70--96 in-lb)

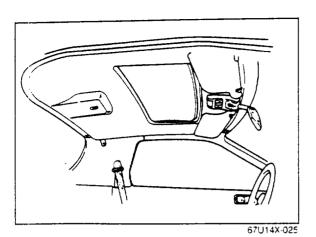
7. Tighten the set bracket nuts.



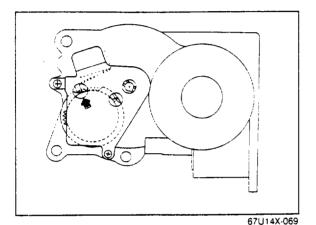
8. Tighten the rear header attaching bolts.

Tightening torque: 7.9—10.8 N·m (0.8—1.1 m-kg, 70—96 in-lb)

9. Tighten the motor bracket attaching bolts.



 Install the wire connectors, drain hoses, top ceiling, inner trim, seaming welt, etc. referring to the removal procedures.



REPLACEMENT OF MOTOR ASSEMBLY

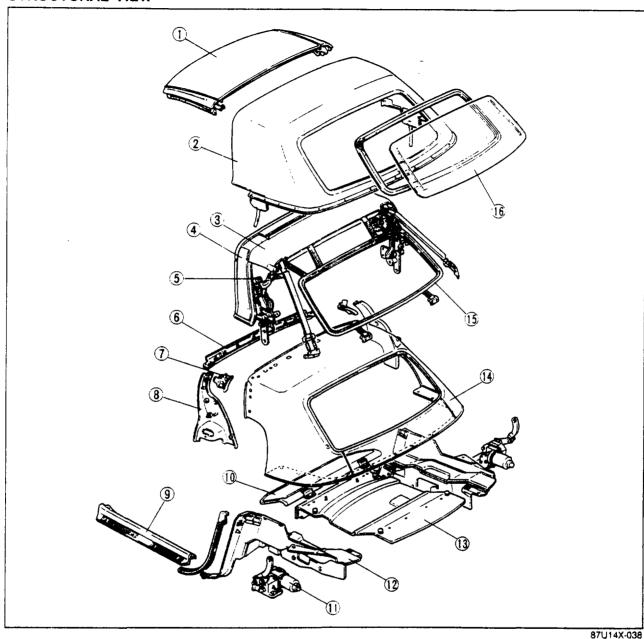
- 1. Tilt up the sunroof.
- 2. Remove the motor assembly.
- 3. Set the timing gear of the new motor assembly in the tilt-up position, as shown in the figure.
- 4. Install the new motor assembly.

Note

The position of the timing gear can be checked through the check hole of the motor assembly. If the position of the timing gear is not in the tilt-up position, adjust the gear position using the emergency handle.

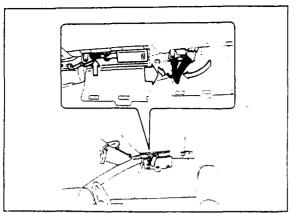
CONVERTIBLE TOP

STRUCTURAL VIEW



- 1. Roof panel
- 2. Hood outer
- 3. Insulator
- 4. Forming bar A
- 5. Froming bar B
- 6. Forming bar trim
- 7. Hinge cover
- 8. Link cover
- 9. Scuff plate
- 10. Windblocker

- 11. Motor
- 12. Quarter trim
- 13. Spare tire cover
- 14 Headliner
- 15. Rear window frame
- 16. Rear window glass

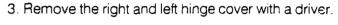


87U14X-039

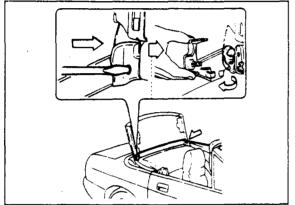
REMOVAL Roof Panel

- 1. Pull the sunvisors down.
- 2. Push the un-lock knob and release the right and left top lock lever.

Note Operate by two people.



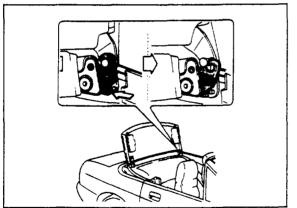
Note Lower the convertible top fully.



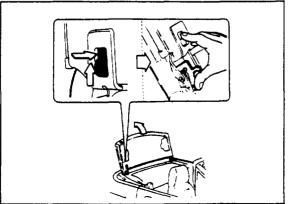
87U14X-040

4. Push the hinge lock (yellow part) of the driver's side, then remove the hinge.

Note
Do next No.4 and 5 at the same time.

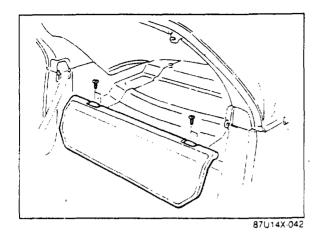


87U14X-041



87U14X-155

5. Keep pushing the hinge lock button to fix the hinge shown in the figure and remove the roof panel.

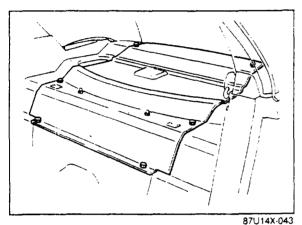


Windblocker

Remove the screws, then remove the windblocker from the spare tire cover.

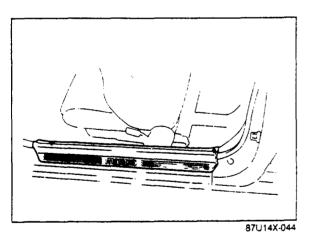
Note

Raise the convertible top completely.



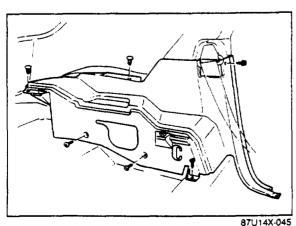
Spare Tire

Remove the fasteners, and remove the rope from the quarter trim, then remove the spare tire cover and spare tire.



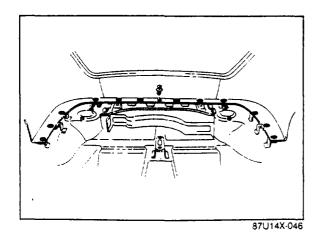
Scuff Plate

Remove the fasteners, then remove the scuff plate.



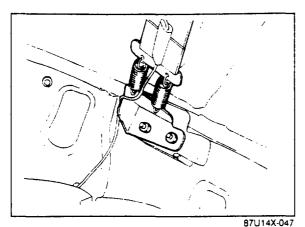
Quarter trim

- 1. Remove the screws, then remove plates.
- 2. Remove the fasteners, then remove the seaming welt
- 3. Remove the screws and the fasteners, then remove the quarter trim.



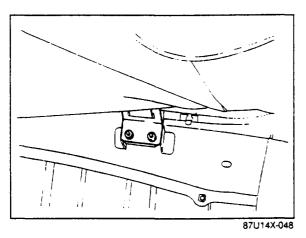
Headliner

Remove the fasteners, then remove the rear headliner from the body.



Corner Belt A

Turn up the rear headliner, then remove the corner belt A from the body.

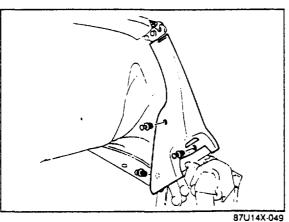


Back Window Belt B

Turn up the rear headliner, then remove the rear window belt B from the body.

Defog Harness Connectors

Remove the defog harness connectors of the body side.



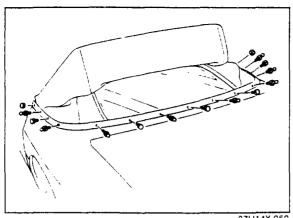
Link Cover

Remove the fasteners, then remove the link cover from the forming bar A.

Note

Lower the convertible top half-way.

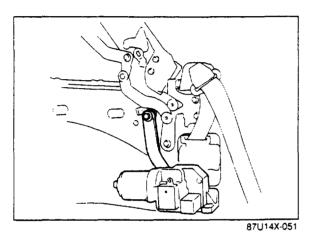
14 CONVERTIBLE TOP



Hood Outer

Remove the hooks, fasteners, bolts and nuts, then remove the hood outer from the body.



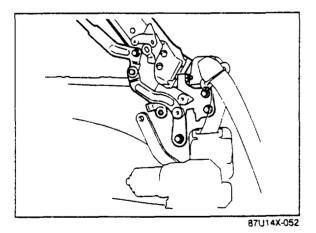


Motor Link

Remove the bolt, then remove the motor link to forming bar A from the body.

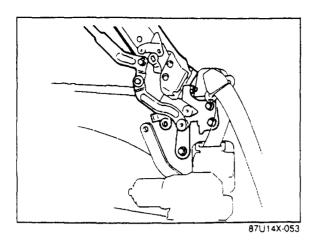
Caution

Support by hand to prevent dropping the convertible top.



Convertible Top

Remove the bolt, then remove the forming bar assy from the body. And remove the convertible top.

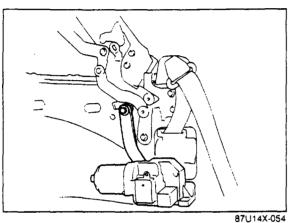


INSTALLATION Convertible Top

Install the forming bar assy to the body with the fasteners.

Tightening torque: 36.3-54.0 N·m (3.7-5.5 m-kg, 26.7-39.8 ft-lb)

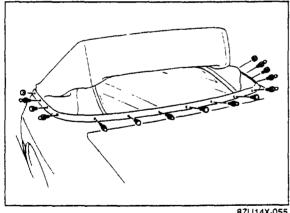
Operate by two people.



Motor Link

Install the motor link to the forming bar assy with the bolt.

Tightening torque: 31.4-46.1 N·m (3.2-4.7 m-kg, 23.1-34 ft-lb)



Hood Outer

Install the hood outer to the body with the hooks, bolts and nuts.

Tightening torque:

hook, bolt: 2.5-3.5 N·m

(25-36 cm-kg, 21.7-31.2 in-lb)

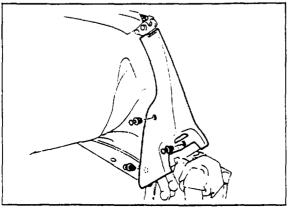
4.2-6.2 Nm nut:

(43-63 cm-kg, 37.3-54.7 in-lb)

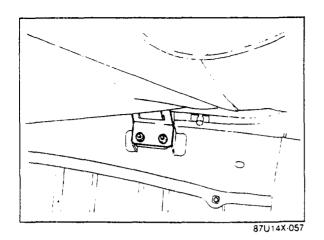




Install the link cover to the forming bar A with the clip.



87U14X-056



Defog Harness Connector

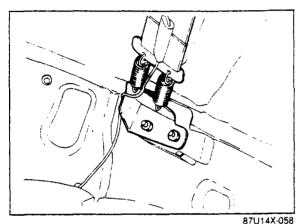
Note

Raise the convertible top completely.

Rear Window Belt B

Install the rear window belt B to the body with the nuts.

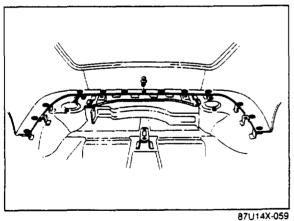
Tightening torque: 6.9—9.8 N·m (70—100 cm-kg, 60.8—86.8 in-lb)



Corner Belt A

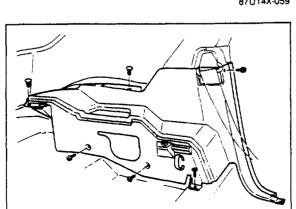
Install the corner belt A to the body with the nuts.

Tightening torque: 6.9—9.8 N·m (70—100 cm-kg, 60.8—86.8 in-lb)



Headliner

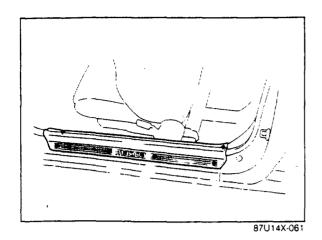
Install the rear headliner to the body with the fasteners.



Quarter Trim

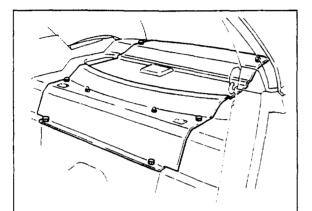
87U14X-060

- 1. Insert the quarter trim to the seat belt, then install the quarter trim to the body with the clips, the screws and the fasteners.
- 2. Install the seaming welt with the fastener.



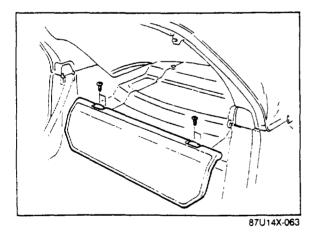
Scuff Plate

Insert the scuff plate to the quarter trim, then install the scuff plate to the body with the screws.



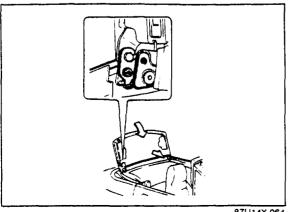
Spare Tire Cover

- 1. Install the spare tire.
- 2. Install the rope to fix to the quarter trim and install the spare tire cover with the fasteners.



Windblocker

Install the windblocker to the spare tire cover with the screws.



Roof Panel

- Insert the roof panel squarely into the hinges.
 Set the hinge lock in the LOCK position.

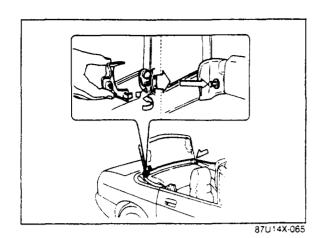
Note

Make sure "clicks" when set the hinge lock in the LOCK position.

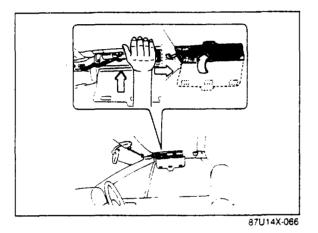
87U14X-064

87U14X-062

14 CONVERTIBLE TOP



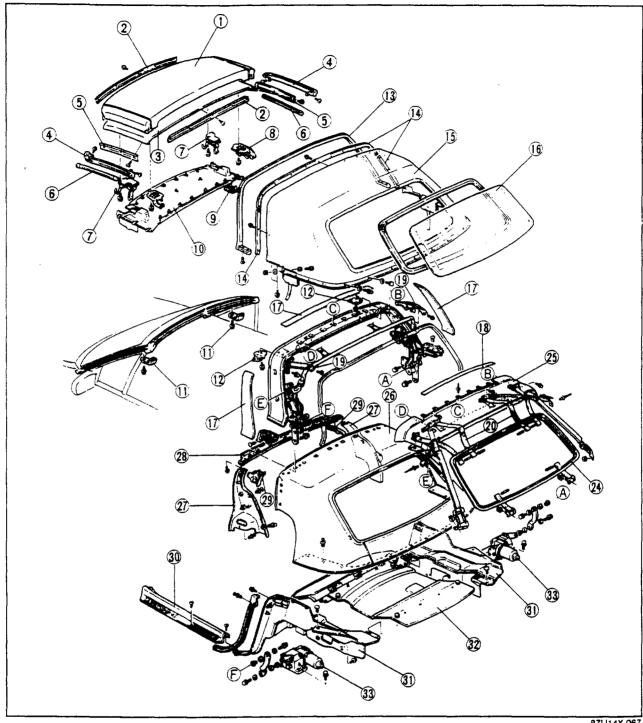
Install the left and right hinge covers.



Set the top lock lever in the LOCK position. Replace the sunvisor in the normal position.

Note Close the roof panel completely.

ASSEMBLY OF CONVERTIBLE TOP



87U14X-067

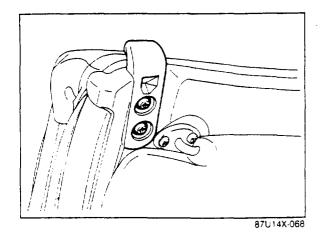
- 1. Roof cloth
- 2. Set plate
- 3. Roof pannel
- 4. Weatherstip
- 5. Retainer
- 6. Seaming welt
- 7. Top lock
- 8. Hinge lock
- 9. Hinge lock cover
- 10. Top trim
- 11. Top lock striker

- 12. Hinge lock
- 13. Forming bar weatherstrip
- 14. Forming bar retainer
- 15. Hood outer
- 16. Rear window glass
- 17. Spacer pad
- 18. Form plate
- 19. Corner belt B
- 20. Rear window belt A
- 21. Rear window belt B
- 22. Corner belt A

- 23. Rear window belt C
- 24. Rear window frame
- 25. Insulator
- 26. Headliner
- 27. Link cover
- 28. Forming bar trim

32. Spare tire cover

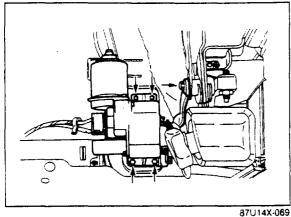
- 29. Hinge cover 30. Scuff plate
- 31. Quarter trim
- 33. Motor



INSTALLATION Forming Bar Assy (Refer to page 14—65) Top lock striker

Install the top lock striker with the screws.

Tightening torque: 9.8—1.47 N·m (1.0—1.5 m-kg, 7.2—10.8 ft-lb)



--- Motor

- 1. Install the motor link to the forming bar assy with the bolt.
- 2. Connect the harness connector.

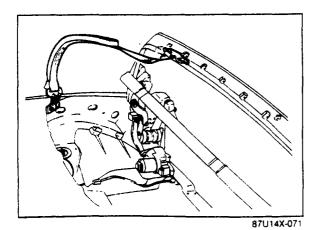
Tightening torque:
bolt to install the motor: 17.7—26.5 N·m
(1.8—2.7 m-kg, 13.0—19.5 ft-lb)
motor link: 31.4—46.1 N·m
(3.2—4.7 m-kg, 23.1—34.0 ft-lb)

Forming bar A
Forming bar B

Corner Belt B

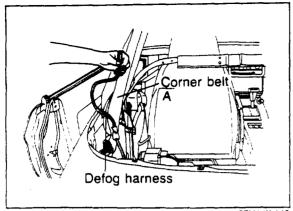
Install the bolts to the forming bar A and the screws to the forming bar B. Then install the corner belt B.

Tightening torque: boit: 6.9—9.8 N·m (70—100 cm-kg, 60.8—86.8 in-lb)



Corner Belt A

Install the bolts to the forming bar A and nuts to the body. Then install the corner belt A.

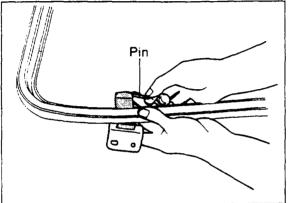


87U14X-146

Defog Harness

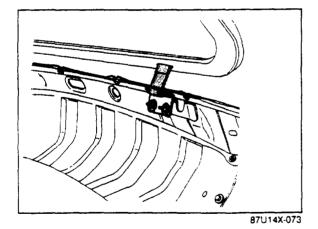
Install the defog harness to the corner belt A.

Tightening torque: bolt, nut: 6.9—9.8 N·m (70—100 cm-kg, 60.8—86.8 in-lb)



Rear Window Frame

- 1. Pass the rear window belt C through the rear window frame hole and pull out the belt. Then insert the pin to the belt.
- 2. Pull out the rear window belt C and insert it to the rear window frame.



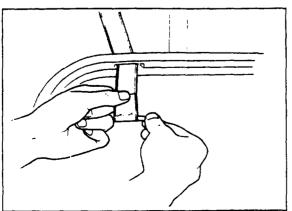
87U14X-072

3. Install the rear window belt B to the body with the nuts.

Tightening torque: 6.9—9.8 N-m (70—100 cm-kg, 60.8—86.8 in-lb)

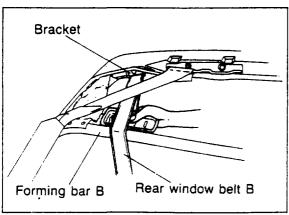
Note

Use a helper to support the rear window frame.



87U14X-156

- 4. Pass the rear window belt B through the rear window frame hole and pull out the belt. Then insert the pin to the belt.
- 5. Pull the rear window belt B, then install it to the rear window frame.

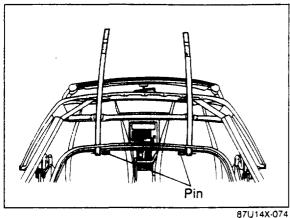


87U14X-148

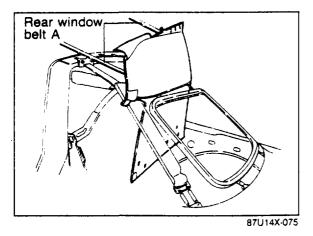
6. Install the bracket to the forming bar A with the bolts.

Tightening torque: 6.9—9.8 N.m (70—100 cm-kg, 60.8—86.8 in-lb)

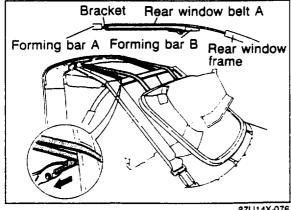
7. Pass the rear window belt B through the bracket of both the forming bar A and the forming bar B, then install the rear window belt B with tack.



- 8. Insert pin into belt after passing the rear wind belt A through the rear window frame hole with its Velocro up.
- 9. Pull out the rear wind belt A and install it to the rear window frame.



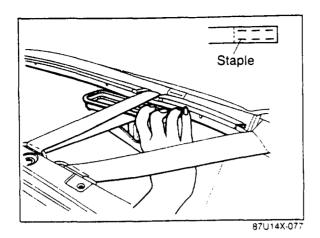
10. Pass the back window belt No.1 through the insulator.



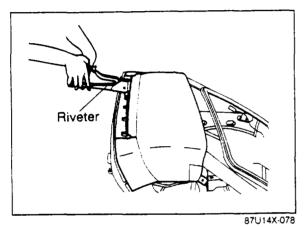
87U14X-076

- 11. Pass the back window belt No.1 above the forming bar B. And pass the belt through the bracket of both the forming bar A and forming bar B.
- 12. Pull out the Velocro part with pliers, then fix it with the Velocro shown in the figure.

Note Raise the forming bar assy completely.

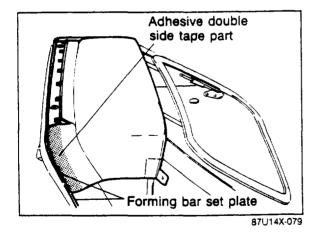


13. Tack to the rear window belt A.



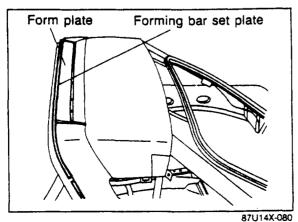
insulator

1. Install the insulator to the forming bar A from the center position with a riveter.



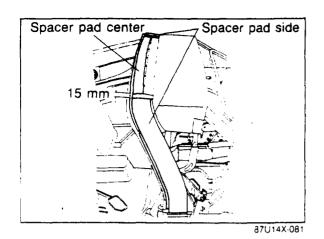
2. Install the adhesive double side tape part of the insulator (the upper face) to the forming bar A.

Note Do not strike forward the forming bar set plate.



3. Install the form plate to the forming bar A. When installing, fit the adhesion part to the forming bar set plate.

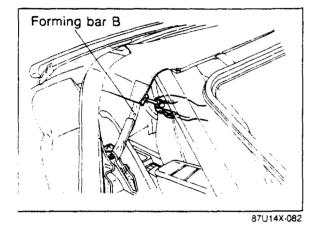
Note Do not stick forward the forming bar set plate.



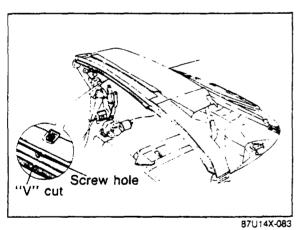
4. Stick the spacer pad to the forming bar A.

Note

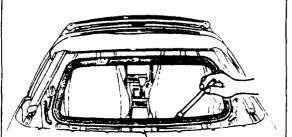
- Do not stick forward the forming bar set plate.
- Stick the spacer pad center and the spacer pad side with 15 mm (0.59 in) apart.



5. Install the rear insulator to the forming bar B with the screws.



6. Stick the insulator (the lower face) so that the center of the forming bar A and the insulator (the lower face) "V" cut put together.



Adhesive agent

ſ

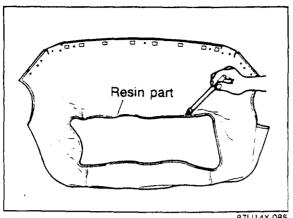
87U14X-084

Headliner

- 1. Clean the back window frame with ethyl alcohol.
- 2. Apply the adhesive agent around the rear window frame with a brush.

Note

Leave the adhesive agent for three minutes.

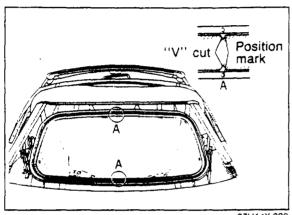


87U14X-085

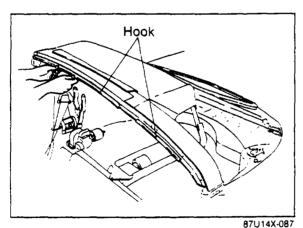
- 3. Clean the resin part of the headliner with ethyl
- 4. Apply the adhesive agent to the resin part of the headliner with a brush.

Note

Leave the adhesive agent for three minutes.



5. Align the top and bottom of the rear window frame and the headliner "V" cut together. Then install the headliner from the center of the top and bottom.



87U14X-086

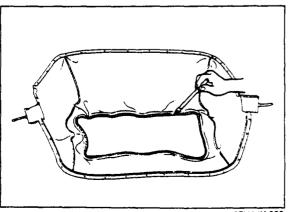
- 6. Hang the hook of the headliner to the forming bar
- 7. Install the headliner to the body (Refer to page 14-66).



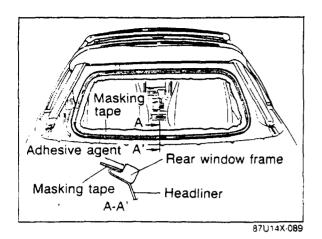
- 1. Clean the adhesion part of the rear window frame in the hood outer with ethyl alcohol.
- 2. Apply the adhesive agent to the adhesion part of the rear window frame in the hood outer with width of 5 cm (2.0 in) all around.



Leave the adhesive agent for three minutes.



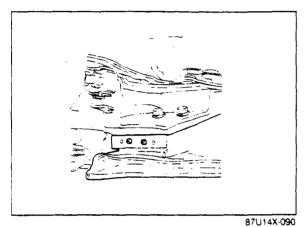
B7U14X-088



3. Stick the masking tape to the headliner stuck on the rear window frame, then stick the adhesive agent to the rear window frame.

Note

Leave the adhesive agent for three minutes.

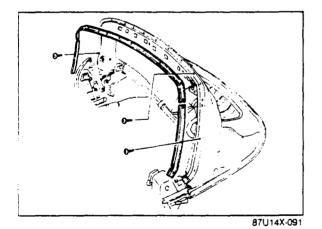


4. Cover the hood outer to the forming bar assy. Insert the ends of the hood outer to the forming bar A.

Note

Lower the forming bar assy fully.

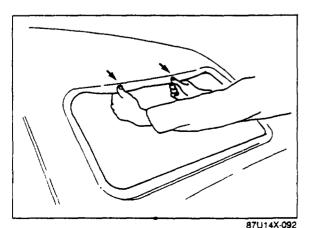
5. Install the hood outer to the forming bar A with the screws.



6. Hold the front edge of the hood outer to the forming bar A.

Note Lower the forming bar assy half-way.

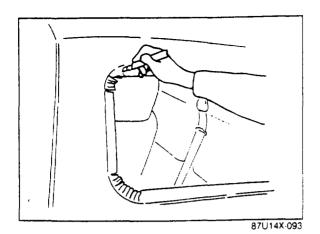
7. Install the hood outer and the forming bar retainer to the forming bar A with the screws.



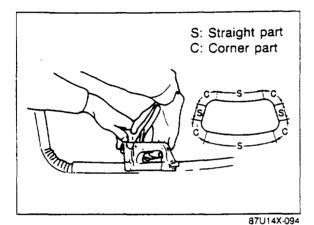
- 8. Install the hood outer to the body. (Refer to page 14—65)
- 9. Keep pulling out the hood outer forward the center. And stick the hood outer except the corners.

Note

Raise the forming bar assy completely.



10. Make the cut line to the corner of the hood outer with a cutter. Stick the corner of the hood outer to the rear window frame without creasing.



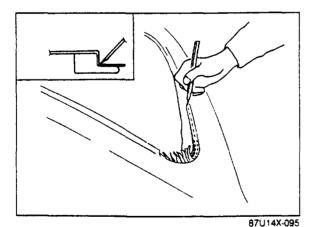
11. Install the rear window frame the straight and corner part of the hood outer with a tack.

Tack space

Straight part: 20 mm Corner part: no space

Note

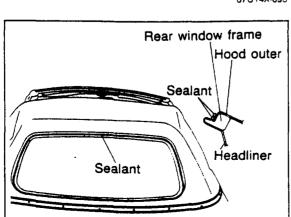
If tack doesn't get into the hood outer completely, try again.



12. Cut the remain part of the hood outer with a cutter.

Note

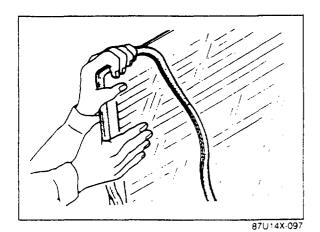
Be careful not to damage the rear window belt and the headliner.



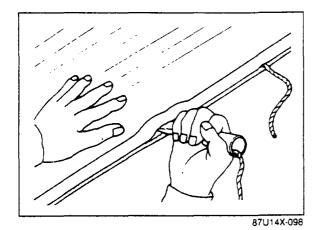
87U14X-096

Rear Window Glass

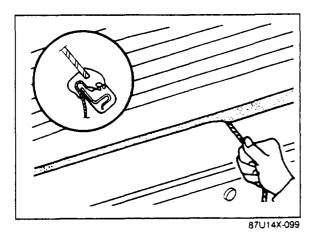
1. Apply the sealant (BM-5) or equivalent doubly to the corner of the rear window frame all around.



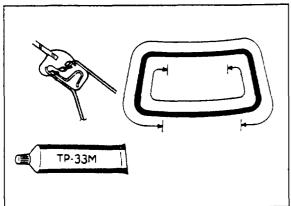
2. Install the weatherstrip to the rear window glass.



- 3. Install the rope into the weatherstrip so that the rope cross with 50 mm long shown in the figure.
- 4. Apply soap suds to slide between the weatherstrip and the body.
- 5. Set surely the glass and the weatherstrip to the body.



- 6. Keep patting near the weatherstrip, then pull the other end of the rope gradually to install the rear window glass to the rear window frame.
- 7. Pat the rear window glass from inside and outside by hands so that the rear window glass fits the rear window frame.
- 8. Install the defog harness connectors.



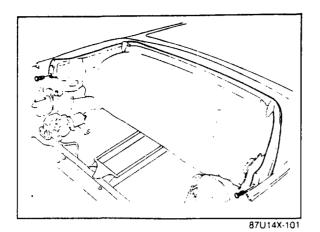
87U14X-100

Inspection of Water Leaks

Inspect if water leaks out. If water leaks out, wipe off the water and apply TP-33M or equivalent.

Removing Wrinkles of Headliner

Use steam to remove wrinkles. (A steamer machine will provide best results for large wrinkles.)



Forming Bar Weatherstrip

Install the forming bar weatherstrip to the forming bar A and the forming bar retainer with the fasteners.

Note

Lower the convertible top fully.

Link Cover

(Refer to page 14-65)

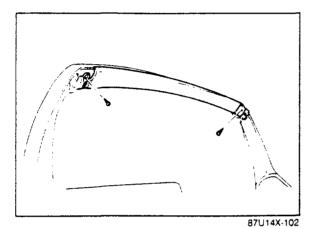


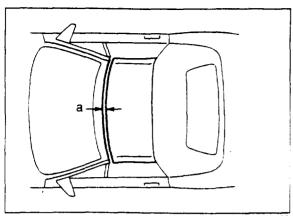
Install the forming bar trim to the forming bar A.

Note

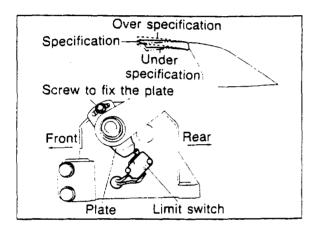
Raise the convertible top completely.

Refer to page 14—66 after steps of the quarter trim.





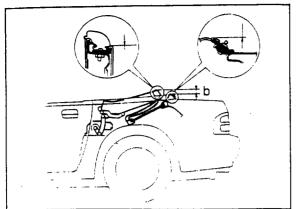
87U14X-103



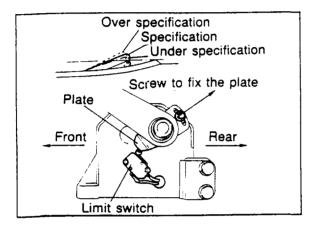
ADJUSTMENT

Adjustment of Limit Switch of Raise Side Move the plate of the left side's motor and adjust "a" shown in the figure.

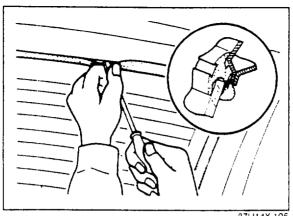
a = 6mm



87U14X-104



Adjustment of Limit Switch of Lower SideMove the plate of the right side's motor and adjust "b" shown in the figure. $b=0.10^{+10}$ mm



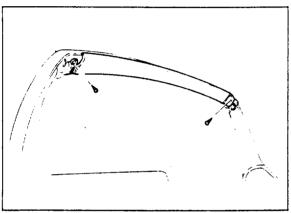
87U14X-105

REMOVAL OF HEADLINER

Refer to removal of the convertible top (page 14-61 - 14-63) from the roof panel to the defoa harness connectors.

Rear Window Glass

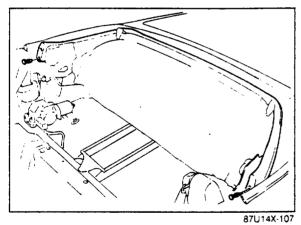
Lift the weatherstrip with a wood spatula inside the room and remove the rear window glass with the weatherstrip.



87U14X-106

Forming Bar Trim

Remove the screws, then remove the forming bar trim from the forming bar retainer.

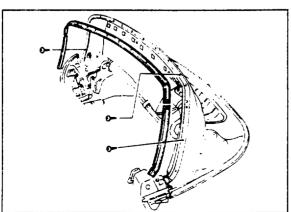


Forming Bar Weatherstrip

Remove the fasteners, then remove the forming bar weatherstrip from the forming bar retainer.

Note

Lower the convertible top fully.

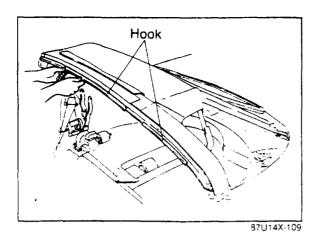


87U14X-108

Forming Bar Retainer

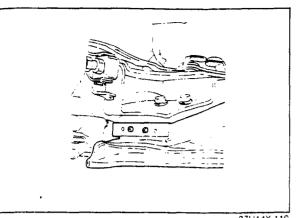
Remove the screws, then remove the forming bar retainer from the forming bar A.

Raise the convertible top completely.

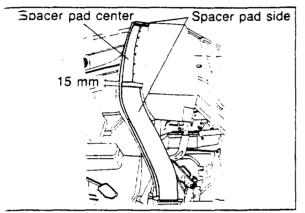


Headliner

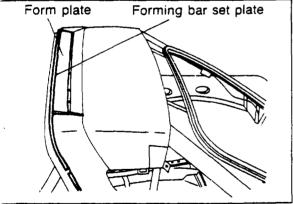
- 1. Remove the hook of the headliner from the forming bar A.
- 2. Remove the rear headliner from the body. (Refer to page 14—63)
- 3. Remove the adhesive agent of the rear window frame, then remove the headliner.



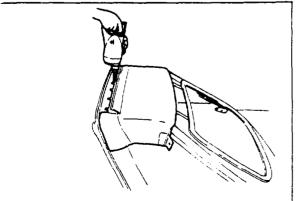
87U14X-110



87U14X-111



87U14X-112



87U14X-113

HOOD OUTER

Removal

- 1. Remove the screws, then remove the hood outer from the forming bar.
- 2. Remove the hood outer from the body.
- 3. Remove tack from the hood outer, then remove the hood outer from the rear window frame.

Lower the hood outer fully.

Installation

Reverse order of removal.

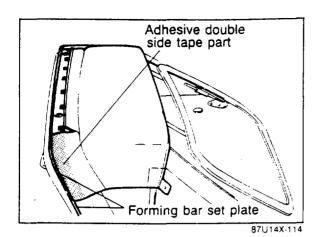
INSULATOR

Removal

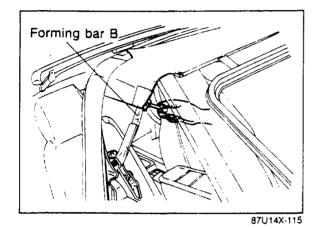
1. Remove the spacer pad center and side from the forming bar A.

2. Remove the foam plate from the forming bar A.

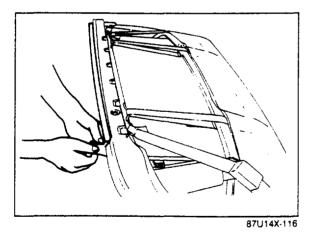
3. Remove the rivets from the insulator with a drill $(\phi 4.5)$.



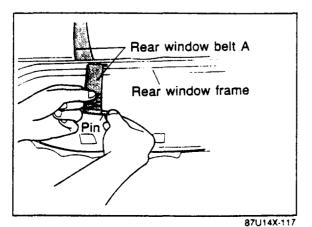
4. Remove the adhesion part of the front insulator (the upper face) from the forming bar A.



5. Remove the screws, then remove the rear insulator from the forming bar B.

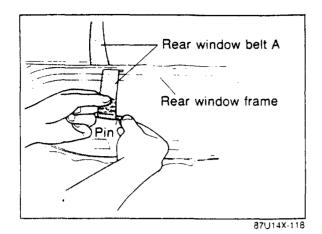


6. Remove the insulator (the lower face) from the forming bar A.



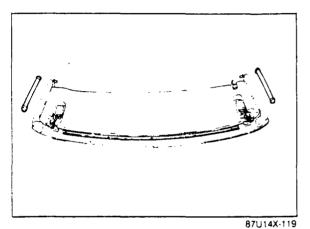
7. Remove the pin of the rear window glass, then remove the insulator.

Note Lower the forming bar assy half-way.



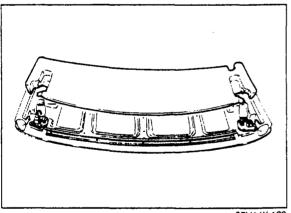
Installation

Reverse order of removal.



ROOF PANEL Disassembly

1 Seaming welt (both the right and left)

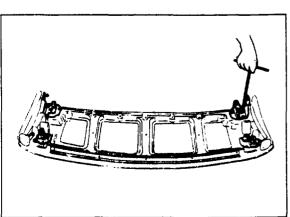


2. Top trim

Remove the clips, then remove the top trim from the roof panel.

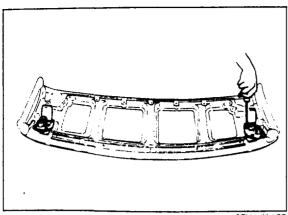
Note

Move the top lock in the LOCK position.



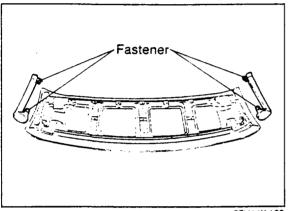
87U14X-120

3. Hinge (both the right and left)
Remove the bolts, then remove the hinge from the roof panel.



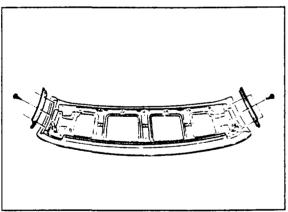
4. Top lock (both the right and left) Remove the screws, then the top lock from the roof panel.





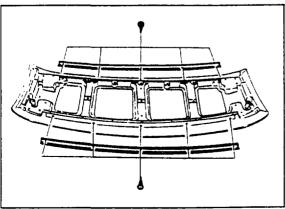
5. Weatherstrip (both the right and left) Remove the fasteners, then remove the weatherstrip from the roof panel.



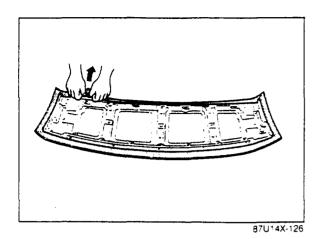


6. Retainer (both the right and left) Remove the screws, then remove the retainer from the roof panel.

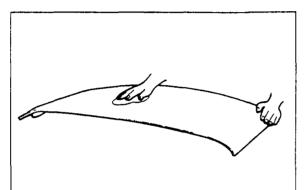




7. Set plate (both front and rear) Remove the screws, then remove the set plate from the roof panel.



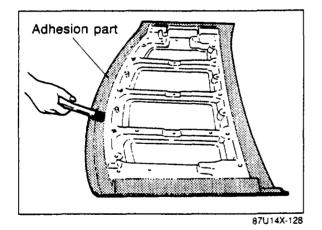
8. Roof cloth Remove the roof cloth from the roof panel.



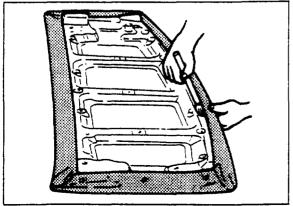
87U14X-127

Assembly

- 1. Roof cloth
 - (1) Clean the adhesion part and the upper part of the roof panel with ethyl alcohol.

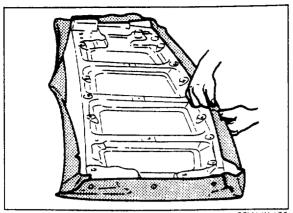


(2) Apply the adhesive agent to the roof panel shown in the figure.



87U14X-129

- (3) Clean the adhesion part of the roof cloth with ethyl alcohol.
- (4) Cover the roof cloth to the roof panel, then apply the adhesive agent to the roof cloth.

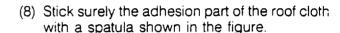


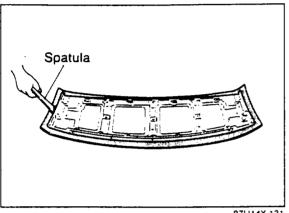
87U14X-130

Caution

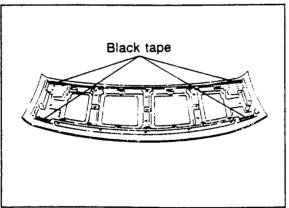
Use care to avoid wrinkles and bubbles by applying roof cloth evenly from the center outwards as follows.

- (5) Stick the resin part of the front roof cloth to the roof panel from the center.
- (6) Stick the rear roof cloth to the roof panel from the center.
- (7) Stick the side roof cloth to the roof panel from the center.



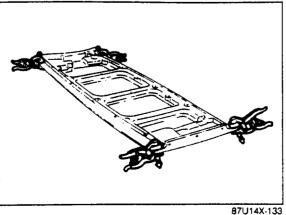


B7U14X-131

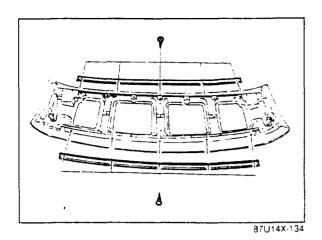


87U14X-132

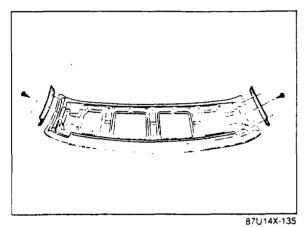
- (9) Stick the black tape or equivalent to reinforce the roof cloth in the corner of the roof cloth shown in the figure.
- (10) Cut the space of the roof cloth with a cutter.



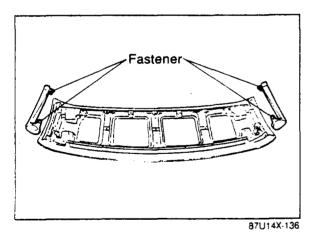
(11) Use the plastic panel in the corner of the roof cloth and fix the roof cloth with a wrench.



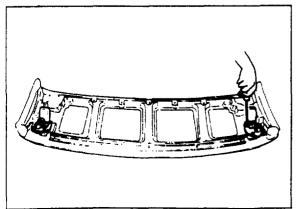
2. Set plate (both the right and left)
Install the set plate to the roof panel with the screws.



3. Retainer (both the right and left)
Install the retainer to the roof panel with the screws.

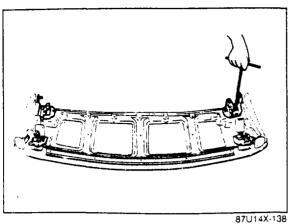


4. Weatherstrip (both the right and left)
Install the weatherstrip to the roof panel with the fasteners.



Top lock (both the right and left) Install the top lock to the roof panel with the screws.

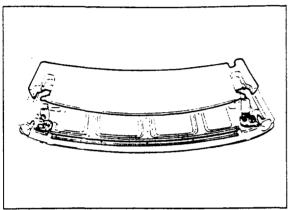
Tightening torque: 4.2—6.2 N·m (43—63 cm-kg, 37.3—54.7 in-lb)



6. Hinge (both the right and left) Install the hinge to the roof panel with the bolts.

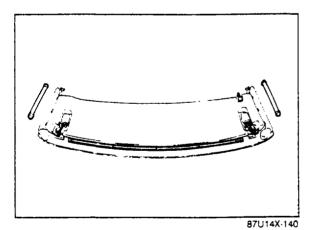
Tightening torque: 6.9—9.8 N⋅m (70-100 cm-kg, 60.8-86.8 in-lb)





7. Top trim Install the top trim to the roof panel with the clips.





8. Seaming welt

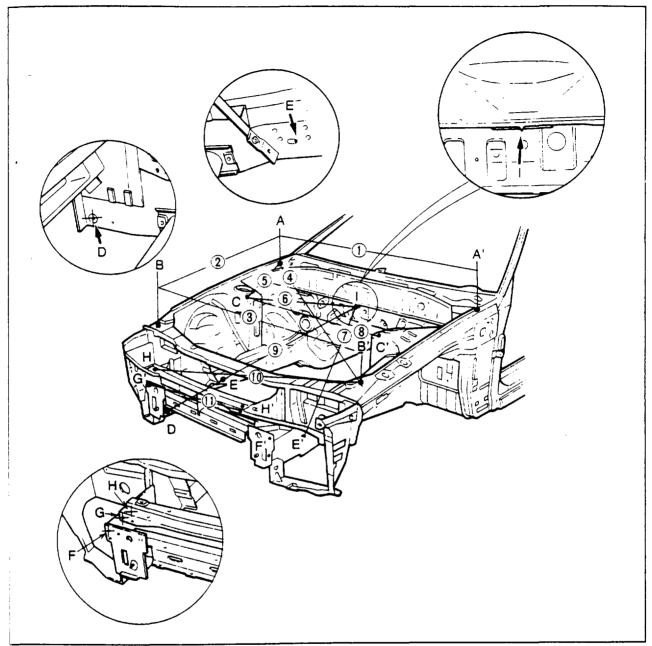
14 CONVERTIBLE TOP

TOOL FOR SERVICING AND REPLACING CONVERTIBLE TOP

K180 W0 313	For installing HOOD OUTER ASSY and HEADLINER	TACK	For installing HOOD OUTER ASSY
STAPLE	For installing HOOD OUTER ASSY and BELT	RIVETER	For installing INSULATOR
ALUMINUM RIVET ø4.0 (ø0.16)	For installing INSULATOR	DRILL φ4.5 (φ0.18)	For removing RIVET
BM-5 K120 W0 218	SEALANT 12m (39.4 ft)	TP-33M	GLASS SEALANT
ADHESIVE DOUBLE TAPE	For sticking INSULATOR	BLACK TAPE	For ROOF CLOTH
SPRAY	For smoothing out wrinkles	ETHYL ALCOHOL	For cleaning

mm (inch) 87U14X-146

FRONT BODY DIMENSIONS

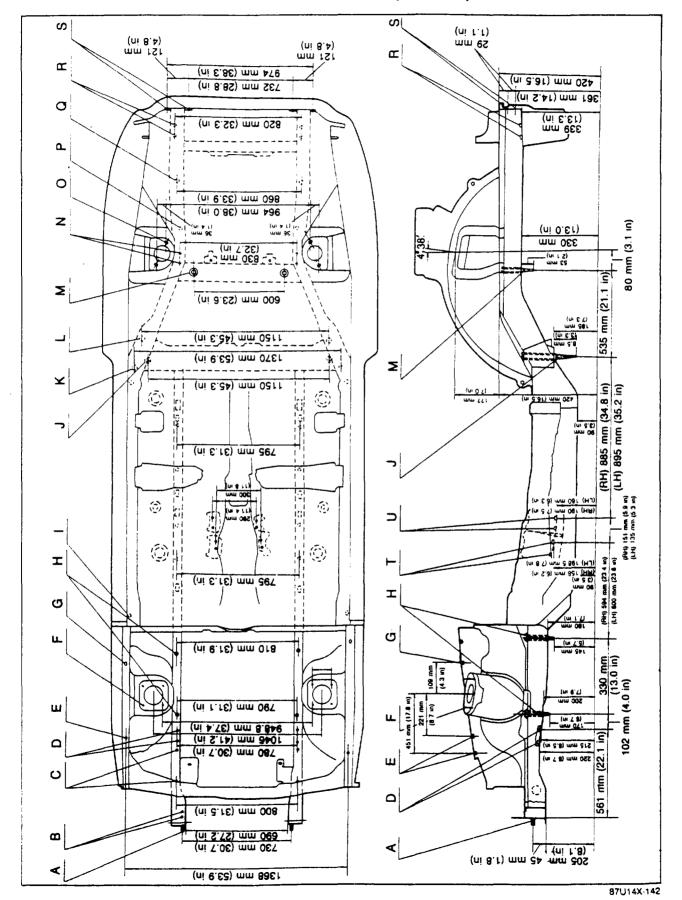


87U14X-141

- A, A': Front fender mounting nut B, B': Front fender mounting nut
- C, C': Front suspension mounting block mounting hole
- D, D': Tie-down hook mounting nut
- E, E': Front frame reference hole
- F, F': Front side frame reference hole
- G, G': Fender upper stay mounting nut
- H, H': Front fasia mounting nut
 I, I': Cowl panel point

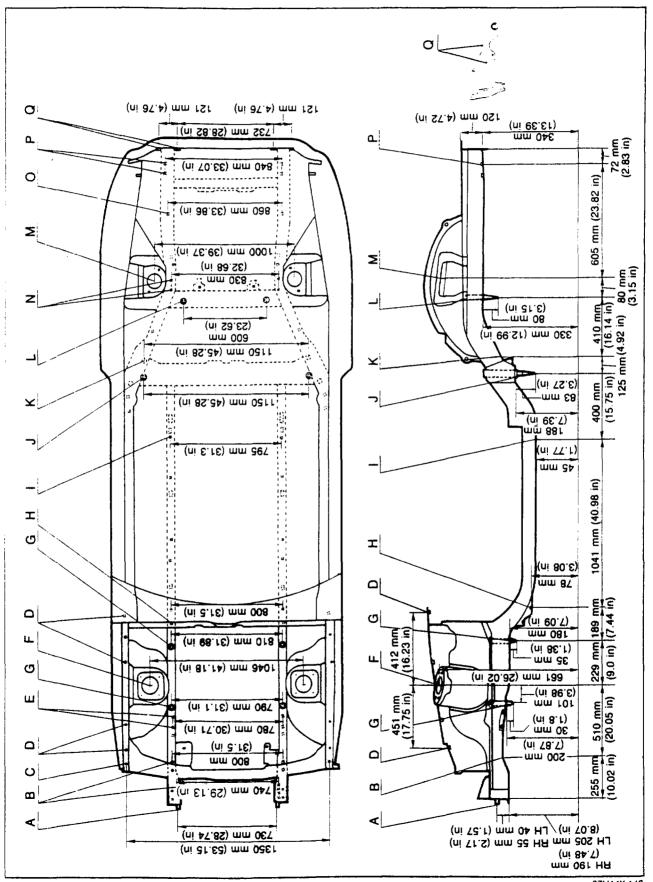
Mea sure ment	Length mm (in)
1	1384 (54.49)
2	873 (34.37)
3	1354 (53.31)
4	1624 (63.94)
5	504 (19.84)
6	613 (24.13)
7	887 (34.92)
8	943 (37.13)
9	1205 (47.44)
10	1052 (41.42)
11	788 (31.02)

UNDERBODY PROJECTED DIMENSIONS (COUPE)



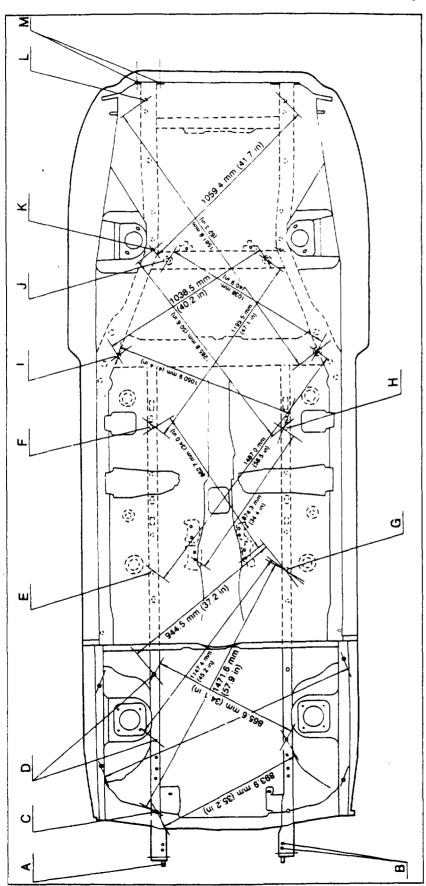
- A:Front bumper mounting bolt
- B:Tie-down hook mounting nut
- C:Under cover mounting nut
- D:Front stabilizer mounting nut
- E:Front fender mounting nut
- F: Front suspension mounting block mounting hole
- G:Front fender mounting nut
- H: Front suspension mounting bolt
- I Front frame reference hole
- J:Rear suspension member mounting bolt
- K:Rear frame reference hole
- L:Rear frame reference hole
- M:Differential member mounting bolt
- N:Rear stabilizer mounting nut
- O:Rear suspension mounting block mounting hole
- P:Rear frame reference hole
- Q:Rear frame reference hole
- R:Tie-down hook mounting nut
- S:Rear bumper mounting hole
- T: Transmission hanger bracket mounting nut (M/T model)
- U Transmission hanger bracket mounting nut (A/T model)

UNDERBODY PROJECTED DIMENSIONS (CONVERTIBLE)



- A:Front bumper mounting bolt
- B:Under cover mounting nut
- C:Front fender reference hole
- D:Front fender mounting nut
- E:Front stabilizer mounting nut
- F:Front suspension mounting block mounting surface G:Front suspension mounting bolt
- H:Crossmember mounting nut I:Front frame reference hole
- J :Rear suspension member mounting bolt
- K:Rear frame reference hole
- L:Differential member mounting bolt
- M:Rear suspension mounting block mounting surface
- N:Rear stabilizer mounting nut O:Rear frame reference hole
- P Tie-down hook mounting nut
- Q:Rear bumper mounting hole

UNDERBODY STRAIGHT-LINE DIMENSIONS (COUPE)



I:Rear suspension member mounting bolt J:Differential member mounting bolt

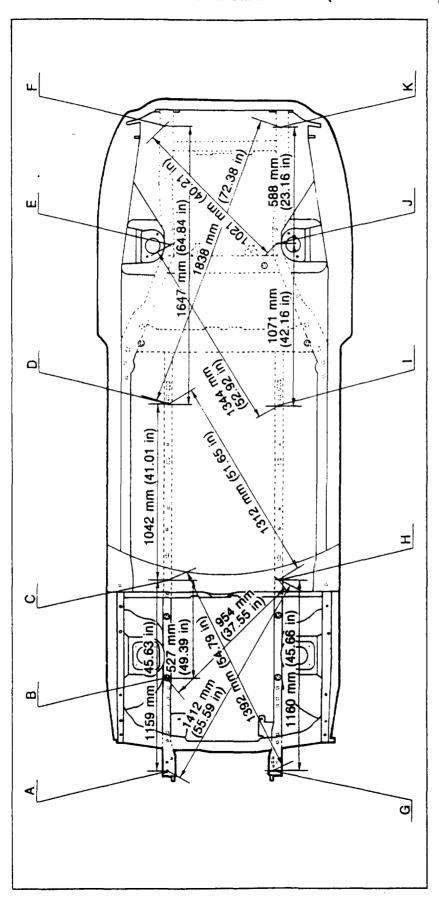
K:Rear stabilizer mounting nut

L: Tie-down hook mounting nut M:Rear bumper mounting hole

A:Front bumper mounting bolt
B:Tie-down hook mounting nut
C:Under cover mounting nut
D:Front suspension mounting bolt
E:Front frame reference hole
F:Front frame reference hole
G:Front frame reference hole

87U14X-144

UNDERBODY STRAIGHT-LINE DIMENSIONS (CONVERTIBLE)



H:Crossmember mounting nut I:Front frame reference hole

A:Tie-down hook mounting nut B:Front suspension mounting bolt

C:Crossmember mounting nut D:Front frame reference hole E:Rear stabilizer mounting nut :Rear stabilizer mounting nut

J.Rear stabilizer mounting nut K:Tie-down hook mounting nut

F:Tie-down hook mounting nut G:Tie-down hook mounting nut 87U14X-145