

TOYOTA



CELICA

Convertible Repair Manual Supplement

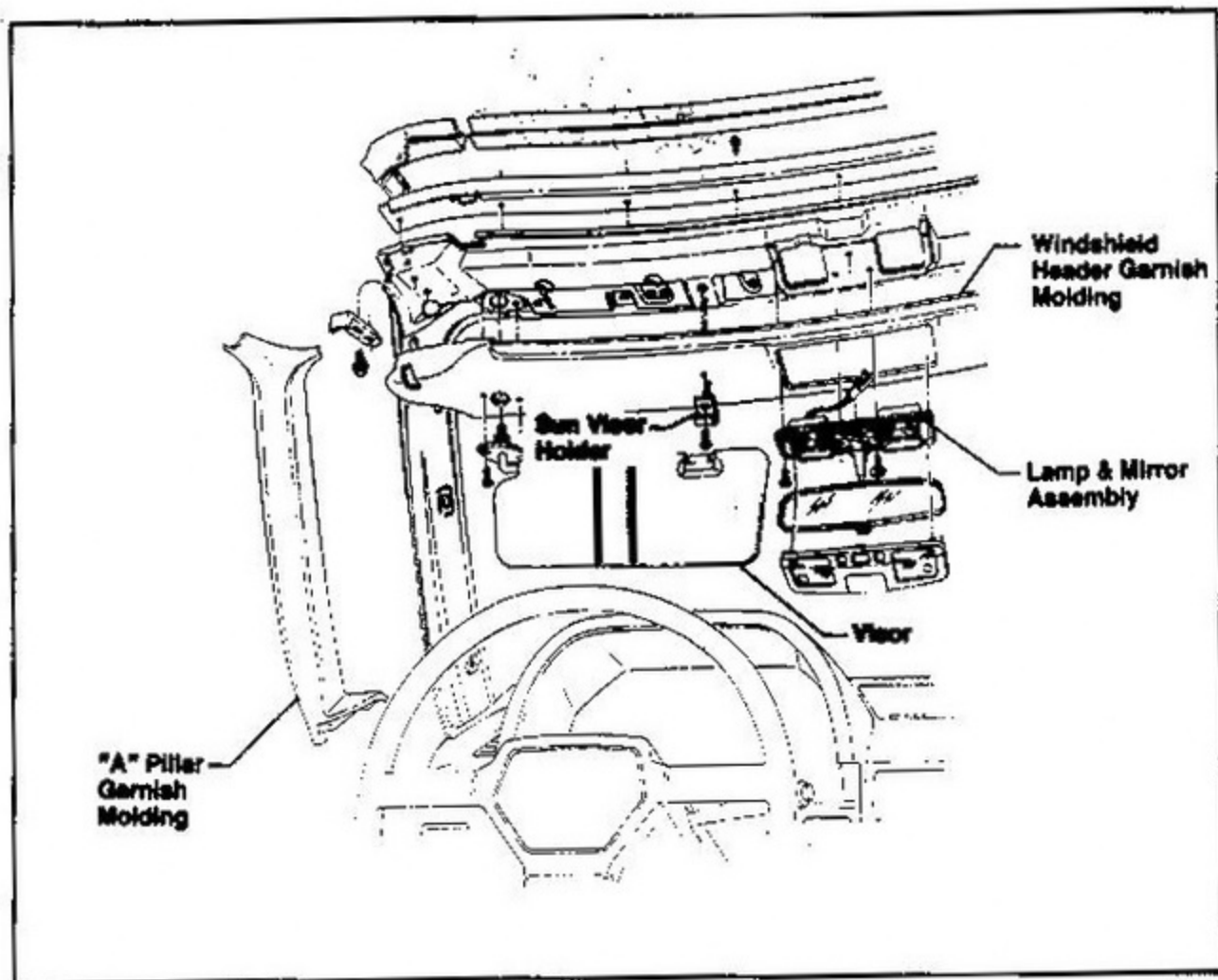
TOYOTA CELICA CONVERTIBLE REPAIR MANUAL SUPPLEMENT

WINDSHIELD HEADER TRIM	1
WINDSHIELD OUTER MOLDINGS	2
QUARTER BELT AND BACK BELT MOLDINGS	3
QUARTER TRIM PANEL	4
QUARTER GLASS, GUIDE AND REGULATOR	5
SEAT BELTS, REAR SEAT AND SHOULDER	6
REAR SEATBACK	7
WEATHERSTRIPS AND RETAINERS	8
HEADLINER	9
TOP COVER ASSEMBLY	10
BACKLITE ASSEMBLY	11
STAY PADS, SIDE AND REAR	12
HYDRAULIC SYSTEM, MOTOR/PUMP AND CYLINDERS	13
CONVERTIBLE TOP ADJUSTMENTS	14
NO. 1 BOW	15
NO. 2 AND NO. 3 BOWS	16
NO. 4 BOW	17
HIGH MOUNT STOP LIGHT	18
ELECTRICAL TROUBLESHOOTING	19

WINDSHIELD HEADER TRIM

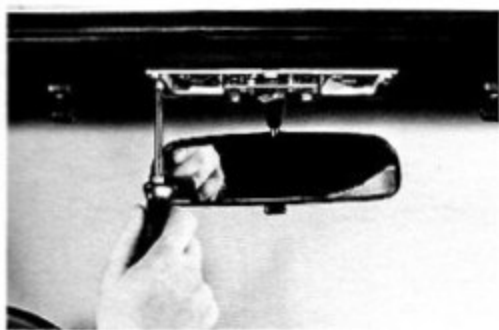
	Page
WINDSHIELD HEADER	
TRIM-COMPONENTS	1-2
REMOVAL OF WINDSHIELD HEADER TRIM	1-3
INSTALLATION OF WINDSHIELD HEADER	
TRIM	1-4

WINDSHIELD HEADER TRIM COMPONENTS

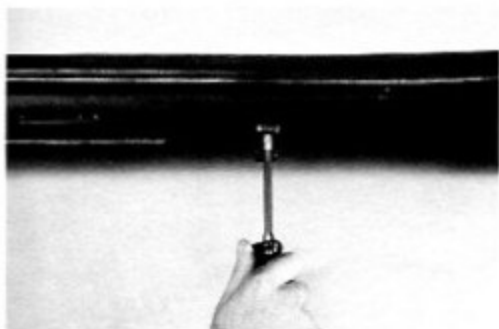


**REMOVAL OF WINDSHIELD HEADER TRIM**

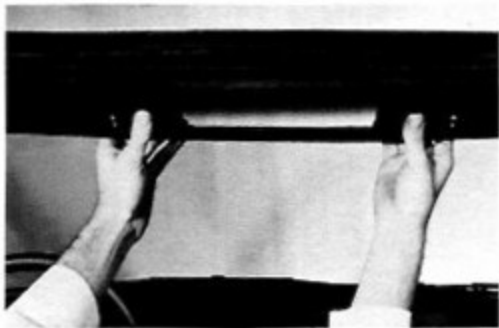
1. LOWER CONVERTIBLE TOP
2. REMOVE SUN VISORS



3. REMOVE LAMP AND MIRROR ASSEMBLY
 - (a) Remove lamp lens.
 - (b) Remove the five screws. Disconnect and remove lamp and mirror assembly.



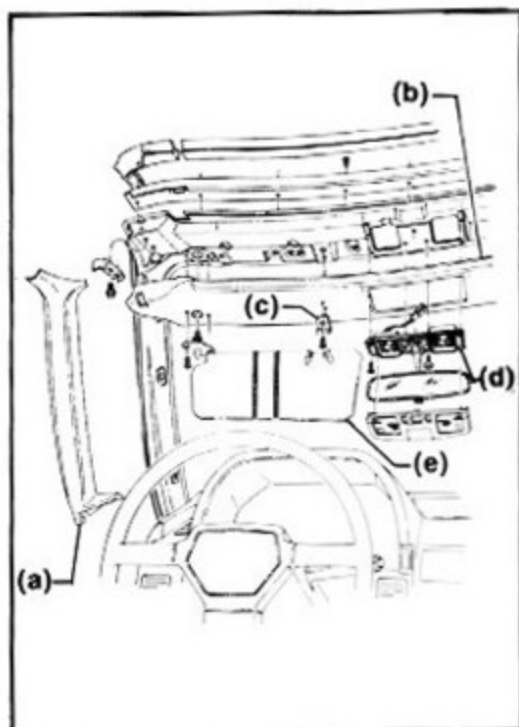
4. REMOVE SUN VISOR HOLDERS



5. REMOVE WINDSHIELD HEADER GARNISH MOLDING



6. REMOVE "A" PILLAR GARNISH MOLDING
Pry loose the clips with a screwdriver and pull the garnish upward to remove it.



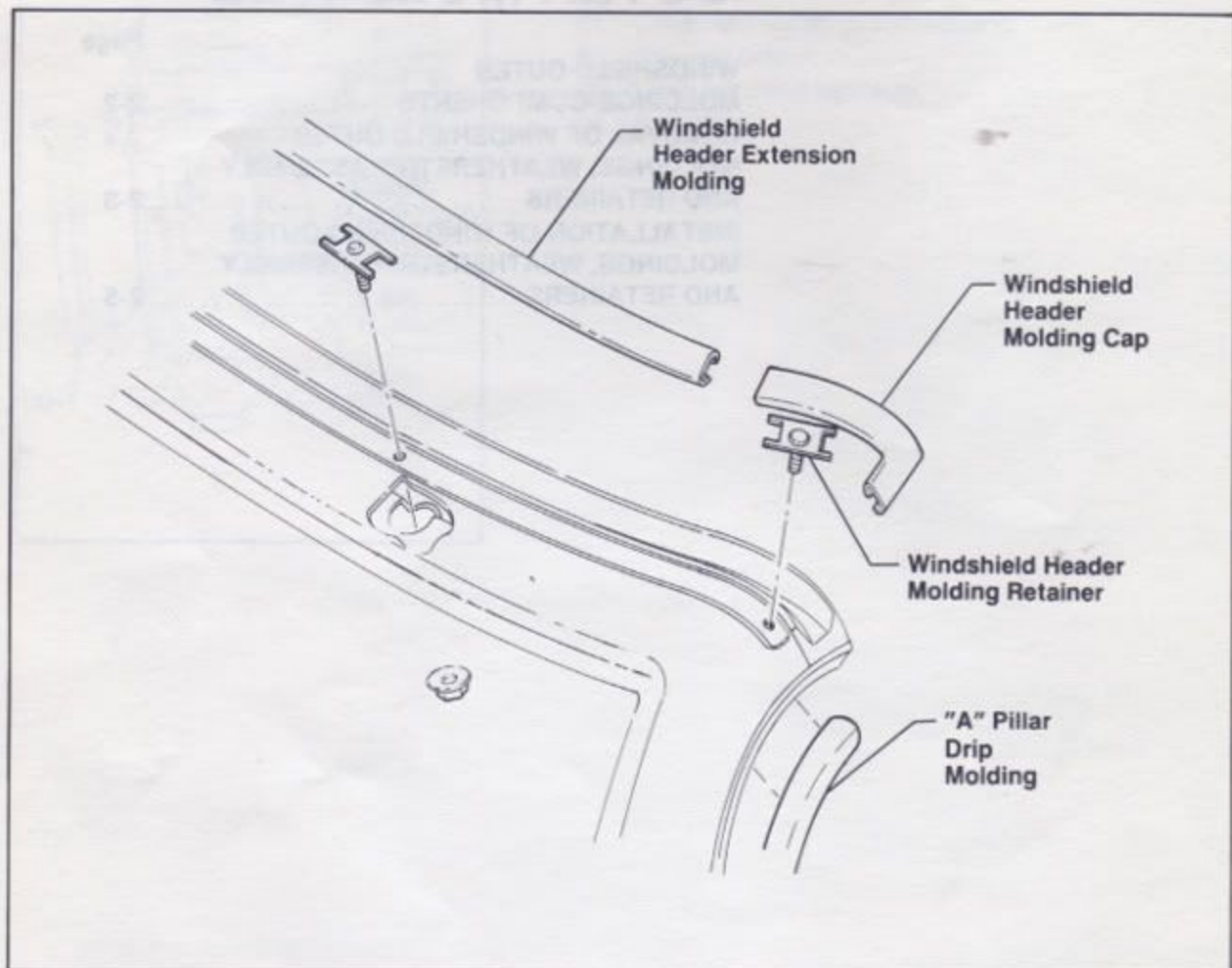
INSTALLATION OF WINDSHIELD HEADER TRIM IN THE FOLLOWING ORDER:

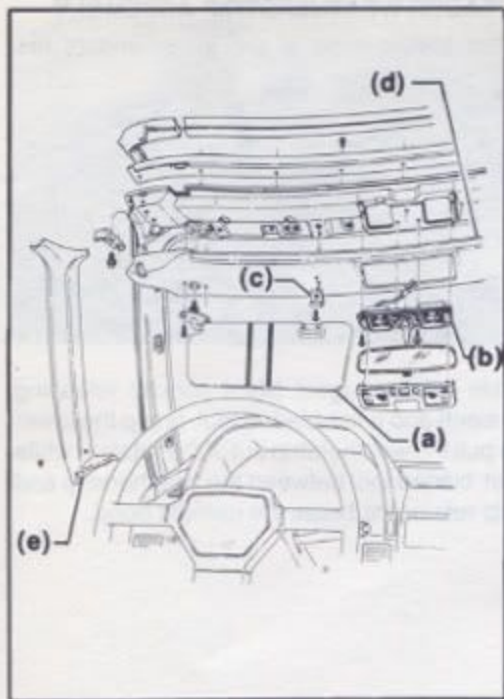
- (a) "A" pillar garnish moldings.
- (b) Windshield header garnish molding.
- (c) Sun visor holders.
- (d) Lamp and mirror assembly.
- (e) Sun visors.

WINDSHIELD OUTER MOLDINGS

	Page
WINDSHIELD OUTER MOLDINGS-COMPONENTS	2-2
REMOVAL OF WINDSHIELD OUTER MOLDINGS, WEATHERSTRIP ASSEMBLY AND RETAINERS	2-3
INSTALLATION OF WINDSHIELD OUTER MOLDINGS, WEATHERSTRIP ASSEMBLY AND RETAINERS	2-5

WINDSHIELD OUTER MOLDINGS COMPONENTS



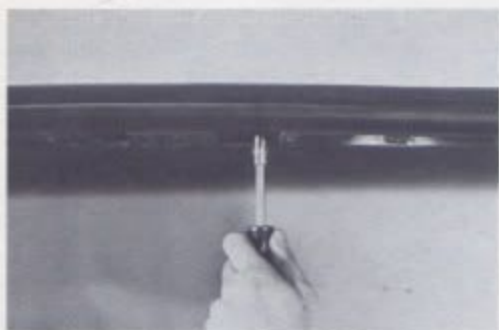


REMOVAL OF WINDSHIELD OUTER MOLDINGS, WEATHERSTRIP ASSEMBLY AND RETAINERS

1. LOWER CONVERTIBLE TOP
2. REMOVE THE FOLLOWING PARTS:
 - (a) Sun visors.
 - (b) Lamp and mirror assembly.
 - (c) Sun visor holders.
 - (d) Windshield header garnish molding.
 - (e) "A" pillar garnish moldings.



3. REMOVE WINDSHIELD HEADER MOLDING CAP
Remove the nut and remove the molding cap.



4. REMOVE WINDSHIELD HEADER EXTENSION MOLDING
Remove the six nuts and remove the extension molding.



5. REMOVE "A" PILLAR DRIP MOLDING
Pull off the "A" pillar drip molding.
CAUTION: Do not bend the molding.



6. REMOVE FRONT HEADER WEATHERSTRIP ASSEMBLY

- (a) Remove the two plastic clips at the lower end of the weatherstrip.



- (b) Using a suitable release agent (Kent special releasing agent or equivalent) and a flat-bladed tool, grasp the lower end and gently pull the weatherstrip out of the retainer while inserting the flat-bladed tool between the weatherstrip and the weatherstrip retainer to break the cement bond.



- (c) Remove the plastic retainer at the upper end securing the weatherstrip to the "A" pillar.



- (d) Continue removing the weatherstrip from the front header retainer, using a suitable release agent, gently pull the weatherstrip out of the retainer while inserting the flat-bladed tool between the weatherstrip and the weatherstrip retainer to break the cement bond and remove the front header weatherstrip assembly.



7. REMOVE "A" PILLAR WEATHERSTRIP RETAINER

- Remove the six screws and remove the "A" pillar weatherstrip retainer.

**8. REMOVE FRONT HEADER WEATHERSTRIP RETAINER**

Remove the nine screws and remove the front header weatherstrip retainer.

**INSTALLATION OF WINDSHIELD OUTER MOLDINGS, WEATHERSTRIP ASSEMBLY AND RETAINERS****1. REMOVE ALL EXCESS ADHESIVE FROM THE FRONT HEADER WEATHERSTRIP RETAINER****2. INSTALL FRONT RAIL WEATHERSTRIP RETAINER**

Position the weatherstrip retainer to the front header and install the nine screws.

**3. REMOVE ALL EXCESS ADHESIVE FROM THE "A" PILLAR WEATHERSTRIP RETAINER****4. INSTALL "A" PILLAR WEATHERSTRIP RETAINER**

- (a) Install the retainer to the "A" pillar.
- (b) Install the six screws.

**5. INSTALL FRONT HEADER WEATHERSTRIP ASSEMBLY**

- (a) Apply a continuous bead of black weatherstrip adhesive to the channel of the front header weatherstrip retainer.



- (b) Position and align the weatherstrip assembly to the front header weatherstrip retainer.
- (c) Using a flat-bladed tool, install the weatherstrip into the front header weatherstrip retainer.
- (d) Install the plastic retainers at each upper end of the "A" pillar.





- (e) Apply a continuous bead of black weatherstrip adhesive to the channel of the "A" pillar weatherstrip retainer.



- (f) Position and align the weatherstrip to the retainer.
 (g) Using a flat-bladed tool, install the weatherstrip into the retainer.



- (h) Install the two plastic retainer clips to the lower end of the weatherstrip.



6. INSTALL "A" PILLAR DRIP MOLDING

Attach the molding to the "A" pillar flange and tap the molding on with hand.



7. INSTALL WINDSHIELD HEADER EXTENSION MOLDING

Install the extension molding and the six nuts.



8. INSTALL WINDSHIELD HEADER MOLDING CAP

Install the molding cap and the nut.

BACK BELT MOLDINGS

Page

QUARTER BELT AND BACK BELT

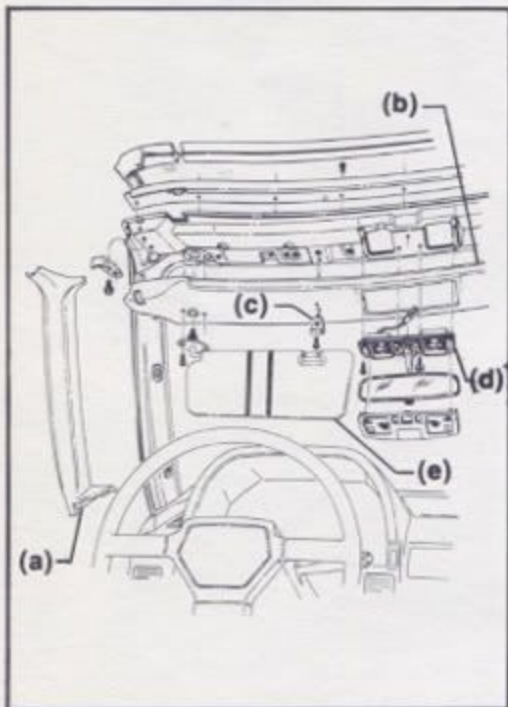
MOLDINGS-COMPONENTS 51

REMOVAL OF QUARTER AND BACK BELT

MOLDINGS 52

INSTALLATION OF QUARTER AND BACK

MOLDINGS 53



9. INSTALL FOLLOWING PARTS:

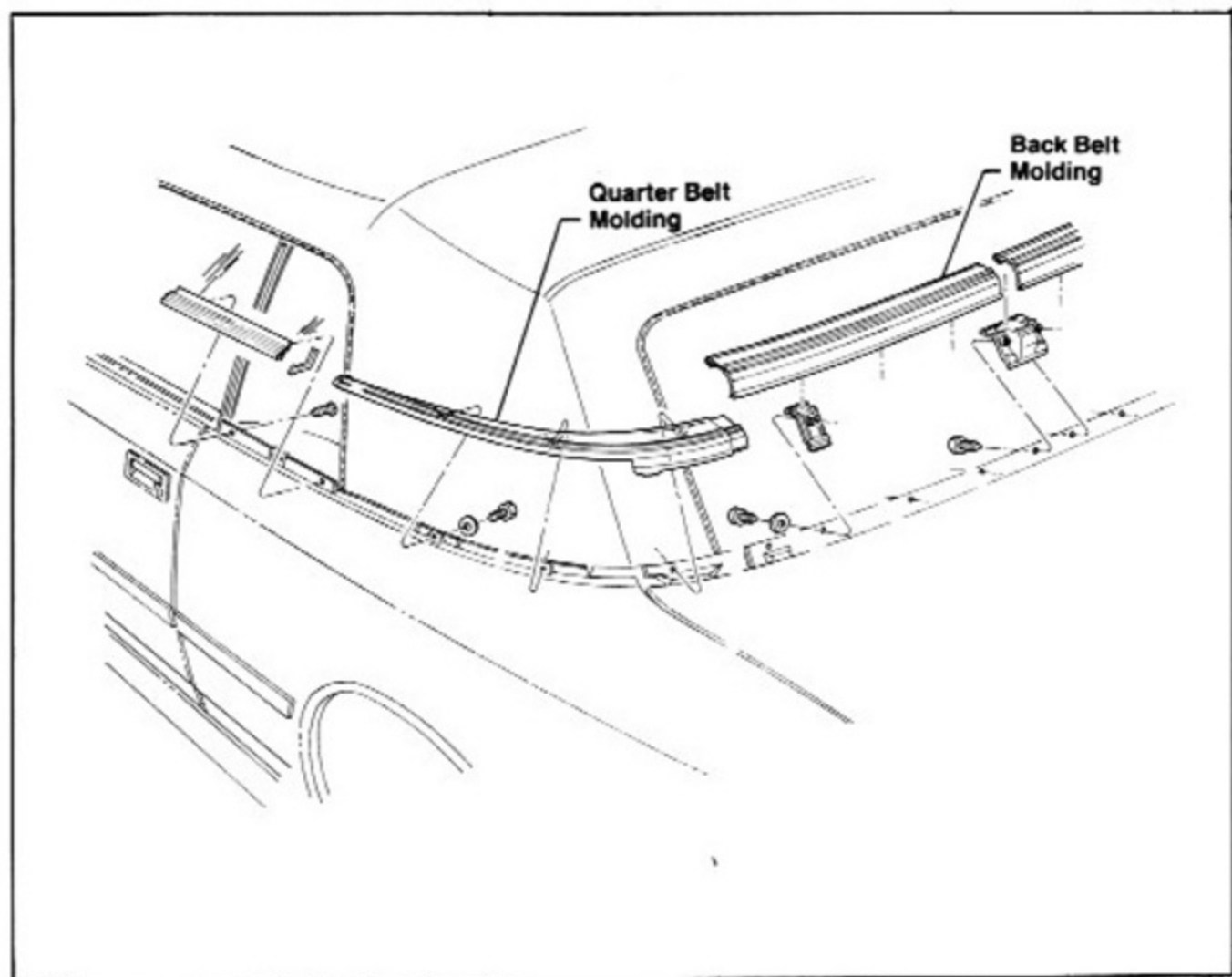
- (a) "A" pillar garnish moldings.
- (b) Windshield header garnish molding.
- (c) Sun visor holders.
- (d) Lamp and mirror assembly.
- (e) Sun visors.

QUARTER BELT AND BACK BELT MOLDINGS

	Page
QUARTER BELT AND BACK BELT MOLDINGS-COMPONENTS	3-2
REMOVAL OF QUARTER AND BACK BELT MOLDINGS	3-3
INSTALLATION OF QUARTER AND BACK BELT MOLDINGS	3-3

QUARTER AND BACK BELT MOLDINGS

COMPONENTS





REMOVAL OF QUARTER AND BACK BELT MOLDINGS

1. REMOVE BACKLITE

(See page 11-3)

2. REMOVE QUARTER BELT AND BACK BELT MOLDINGS

(a) Remove the three screws from each back belt molding.

(b) Lower the convertible top.

(c) Remove the three screws from each quarter belt molding.



(d) Raise the moldings off body and disengage the quarter belt moldings from the back belt moldings.

CAUTION: Do not bend the moldings.



INSTALLATION OF QUARTER AND BACK BELT MOLDINGS

1. INSTALL QUARTER BELT AND BACK BELT MOLDINGS

(a) Position the back belt moldings to the body.

(b) Engage the quarter belt moldings to the back belt moldings.

(c) Install the three screws to each quarter belt molding.





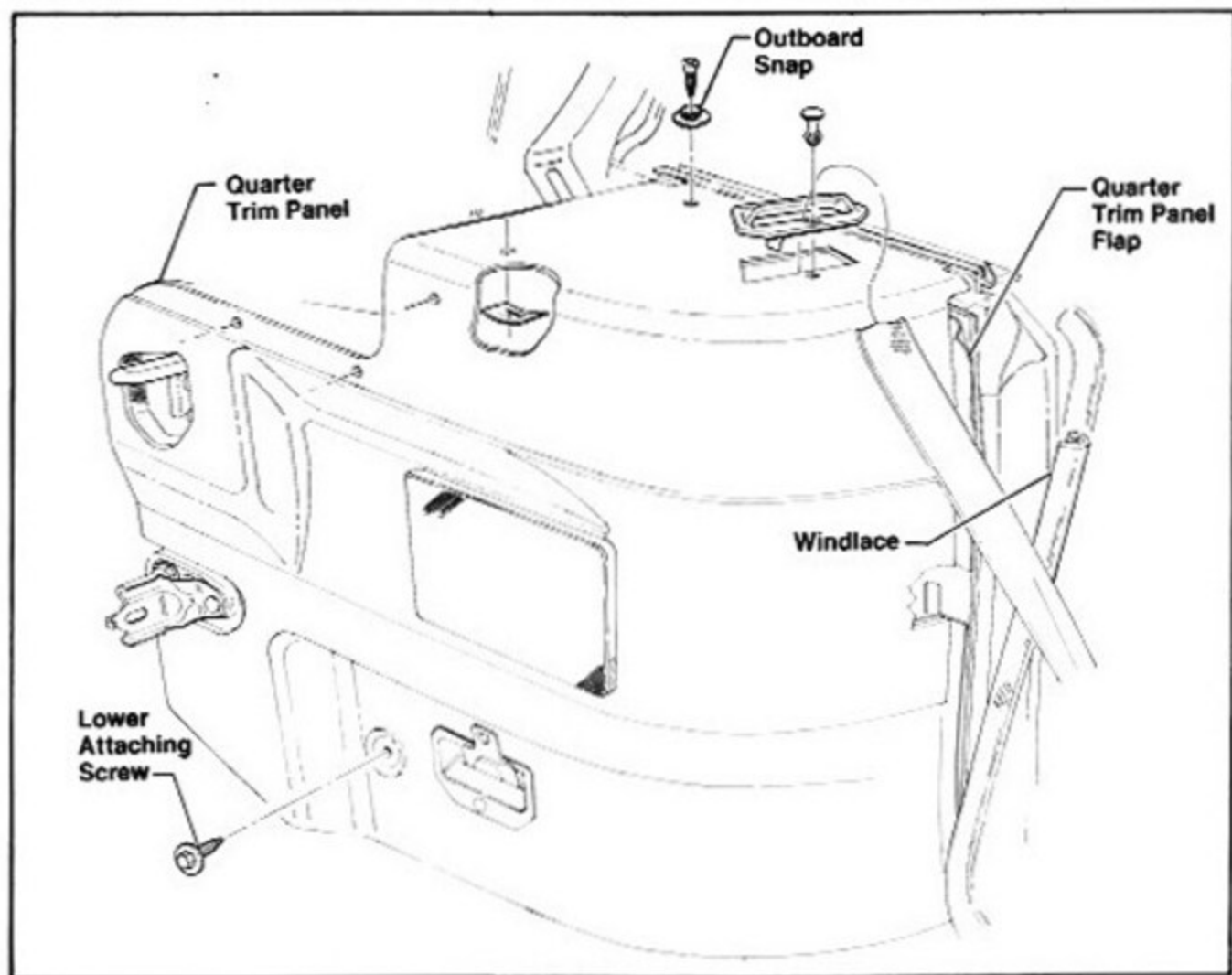
- (d) Raise the convertible top.
- (e) Install the three screws to each back belt molding.

2. INSTALL BACKLITE
(See page 11-4)

QUARTER TRIM PANEL

	Page
QUARTER TRIM PANEL-COMPONENTS	4-2
REMOVAL OF QUARTER TRIM PANEL	4-3
INSTALLATION OF QUARTER TRIM PANEL	4-4

QUARTER TRIM PANEL COMPONENTS



REMOVAL OF QUARTER TRIM PANEL

1. LOWER CONVERTIBLE TOP
2. REMOVE FOLLOWING PARTS:
 - (a) Seat belt shoulder anchor.
 - (b) Rear seat cushion.
 - (c) Door scuff molding.



3. REMOVE LOCK PILLAR WINDLACE FROM LOCK PILLAR PINCH WELD FLANGE



4. DETACH QUARTER TRIM FLAP FROM LOCK PILLAR PINCH WELD FLANGE



5. REMOVE REAR SEAT BELT FROM QUARTER TRIM PANEL
Feed the seat belt back through the quarter trim.

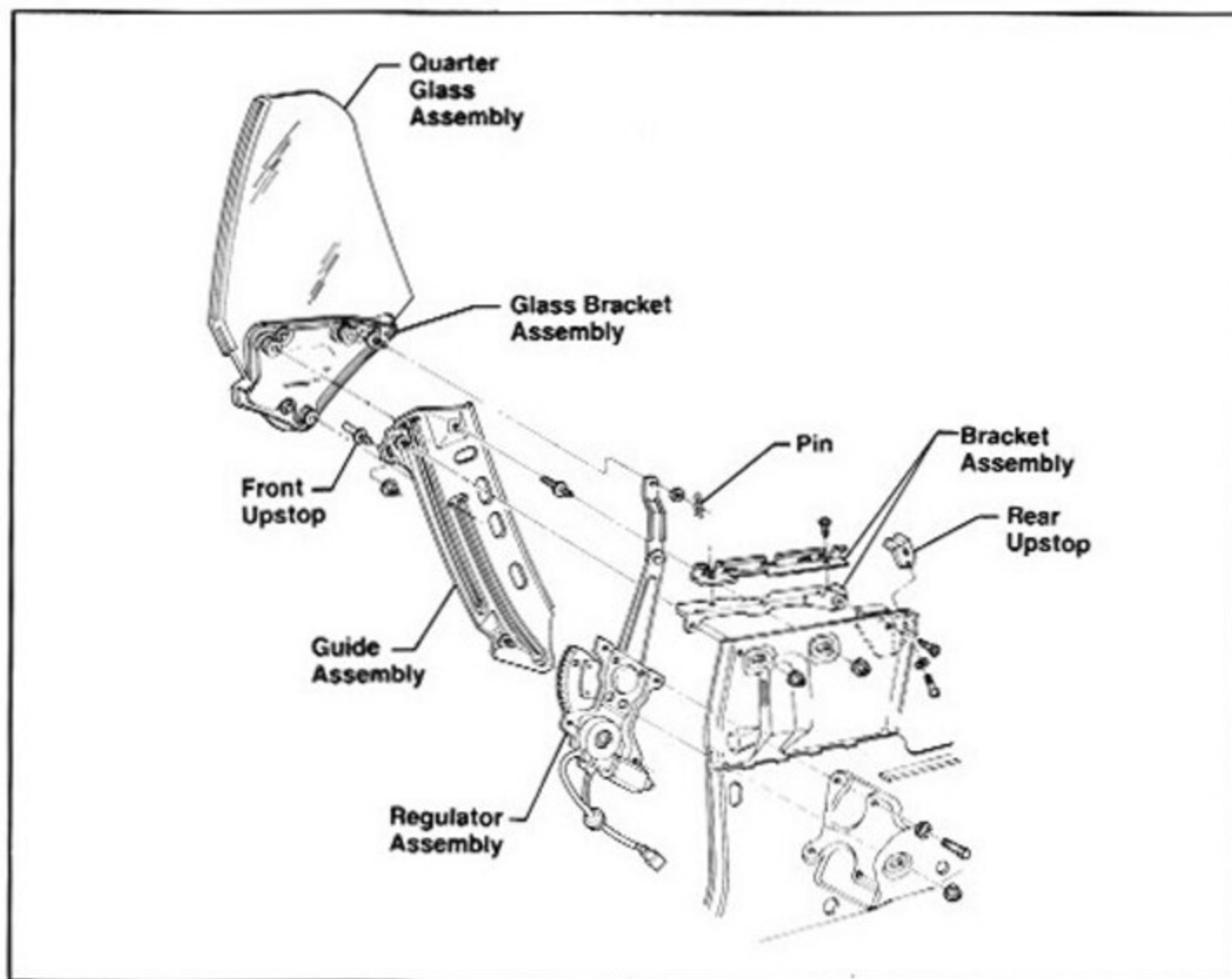


6. REMOVE QUARTER TRIM PANEL
 - (a) Remove upper outboard snap.

QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES

	Page
QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES - COMPONENTS	5-2
REMOVAL OF QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES	5-3
INSTALLATION OF QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES	5-5

QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES COMPONENTS



REMOVAL OF QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES

1. **LOWER CONVERTIBLE TOP**
2. **REMOVE QUARTER TRIM PANEL**
(See page 4-3)
3. **REMOVE REAR SEAT BELT RETRACTOR ASSEMBLY**
(See page 6-3)
4. **REMOVE FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY**
(See page 6-5)



5. **REMOVE BRACKET ASSEMBLY**
Remove the two screws and remove bracket assembly.



6. **REMOVE LOCK PILLAR MUCKET SEAL**
Remove the four plastic retainers and remove the lock pillar mocket seal.



7. **REMOVE FRONT UPSTOP**
While holding front upstop, remove the nut and remove the front upstop.



8. **REMOVE REAR UPSTOP**
Remove the bolt and remove the rear upstop.

**9. REMOVE QUARTER GLASS ASSEMBLY**

- (a) Carefully raise the window.
- (b) Remove the pin and spacer.



INSTALLATION OF QUARTER GLASS, GUIDE AND REGULATOR ASSEMBLIES

1. INSTALL REGULATOR ASSEMBLY

- (a) Install the regulator assembly and tighten the four mounting bolts.
- (b) Feed wire through hole and seat grommet in the hole.
- (c) Connect the wire connector.



2. INSTALL GUIDE ASSEMBLY

- (a) Install the guide assembly into quarter panel.
- (b) Install the three adjusting stud nuts.



3. INSTALL QUARTER GLASS ASSEMBLY

- (a) Install quarter glass assembly rollers to guide assembly slots.



- (b) Connect the regulator arm to the glass bracket assembly with the pin and spacer.

CAUTION: When connecting quarter glass assembly to the regulator arm hold glass in full up position.



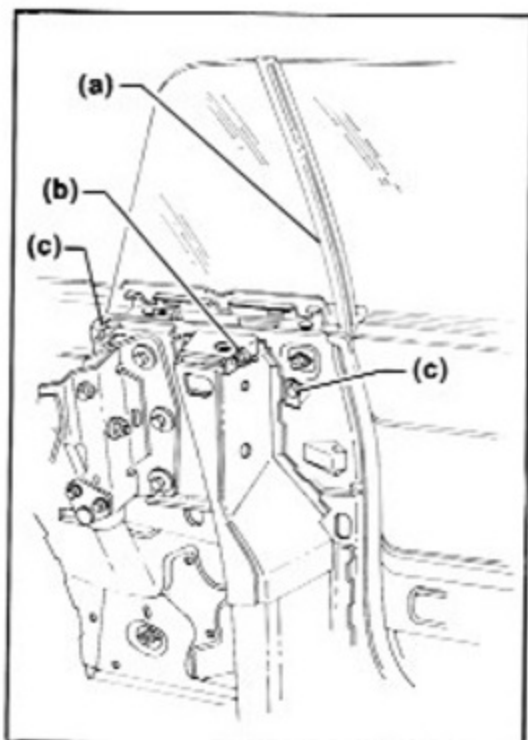
4. INSTALL REAR UPSTOP

- (a) Lower the window.
(b) Install the rear upstop and bolt.



5. INSTALL FRONT UPSTOP

Install the front upstop and nut.



6. ADJUST QUARTER GLASS

NOTE: Before adjusting the glass, lower the top and raise door glass fully.

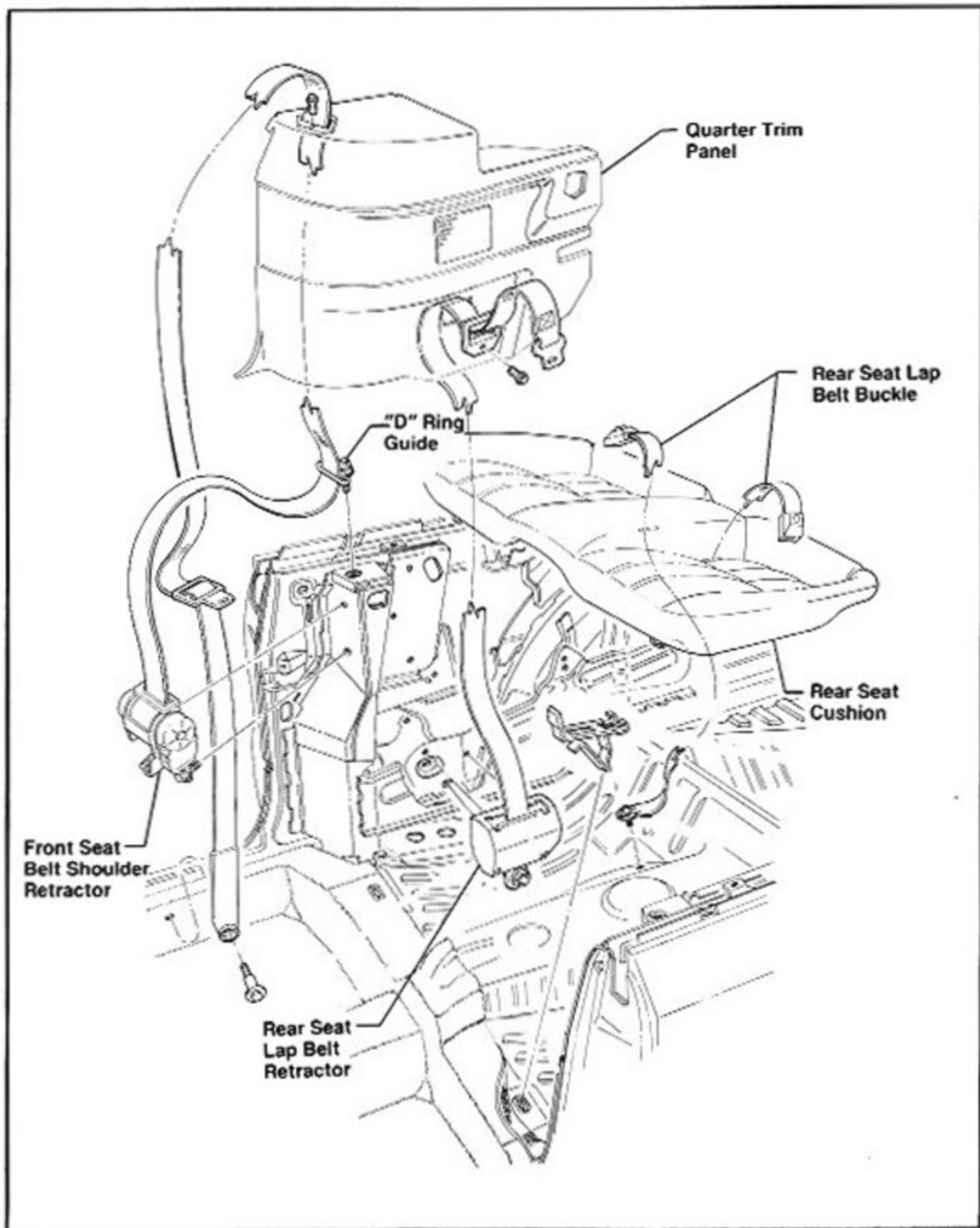
- (a) Slide the glass back and forth and adjust the fore and aft position to the door glass.
(b) Adjust quarter glass contact to belt molding and door glass by rotating the adjusting studs.
(c) Adjust height of quarter glass parallel with door glass with the upstops.

7. INSTALL LOCK PILLAR MUCKET SEAL
8. INSTALL BRACKET ASSEMBLY
9. INSTALL FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY
Torque: 440 kg-cm (32 ft-lb, 43 N-m)
10. INSTALL REAR SEAT LAP BELT RETRACTOR ASSEMBLY
Torque: 440 kg-cm (32 ft-lb, 43 N-m)
11. INSTALL QUARTER TRIM PANEL
(See page 4-4)
12. INSTALL SEAT BELT SHOULDER ANCHOR
Torque: 440 kg-cm (32 ft-lb, 43 N-m)

SEAT BELTS, REAR SEAT AND SHOULDER

	Page
SEAT BELTS, REAR SEAT AND SHOULDER- COMPONENTS	6-2
REMOVAL OF REAR SEAT AND LAP BELT ASSEMBLY	6-3
INSTALLATION OF REAR SEAT LAP BELT ASSEMBLY	6-4
REMOVAL OF FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY	6-5
INSTALLATION OF FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY	6-6

SEAT BELTS, REAR SEAT AND SHOULDER COMPONENTS



REMOVAL OF REAR SEAT AND LAP BELT ASSEMBLY

- 1. REMOVE REAR SEAT CUSHION**
Pull lock levers forward and lift up on seat.



- 2. REMOVE REAR SEAT LAP BELT BUCKLE**
Remove the bolt and remove rear seat lap belt buckle.



- 3. REMOVE SEAT BELT SHOULDER ANCHOR**
- 4. REMOVE DOOR SCUFF MOLDING**
- 5. REMOVE QUARTER TRIM PANEL**
(See page 4-3)

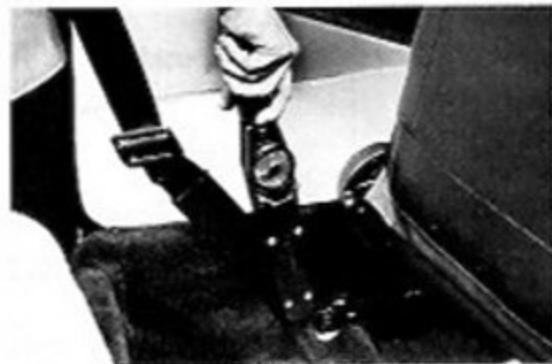


- 6. REMOVE REAR SEAT LAP BELT RETRACTOR**
Remove the bolt and remove the seat lap belt retractor.

INSTALLATION OF REAR SEAT LAP BELT ASSEMBLY**1. INSTALL REAR SEAT LAP BELT RETRACTOR**

- (a) Install the retractor by positioning the locating tabs into the holes.
- (b) Install the bolt and torque the bolt.

Torque: 440 kg-cm (32 ft-lb, 43 N-m)

2. INSTALL QUARTER TRIM PANEL

(See page 4-4)

3. INSTALL DOOR SCUFF MOLDING**4. INSTALL SEAT BELT SHOULDER ANCHOR**

Install the anchor and torque the bolt.

Torque: 440 kg-cm (32 ft-lb, 43 N-m)

5. INSTALL REAR SEAT LAP BELT BUCKLE

Install the rear seat lap belt buckle and torque the bolt.

Torque: 440 kg-cm (32 ft-lb, 43 N-m)

6. INSTALL REAR SEAT CUSHION



REMOVAL OF FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY

1. **REMOVE REAR SEAT CUSHION**
Pull lock levers forward and lift up on seat.



2. **REMOVE SEAT BELT SHOULDER ANCHOR**
3. **REMOVE DOOR SCUFF MOLDING**
4. **REMOVE QUARTER TRIM PANEL**
(See page 4-3)



5. **REMOVE FRONT SEAT BELT SHOULDER RETRACTOR**

(a) Remove the bolt and remove the "D" ring guide.



(b) Disconnect the wiring connector.



(c) Remove the bolt and remove the seat belt shoulder retractor.



INSTALLATION OF FRONT SEAT BELT SHOULDER RETRACTOR ASSEMBLY

1. INSTALL FRONT SEAT BELT SHOULDER RETRACTOR

- (a) Install the shoulder retractor by positioning the locating tab into the hole.
- (b) Install the bolt and torque bolt.

Torque: 440 kg-cm (32 ft-lb, 43 N-m)



- (c) Connect the wire connector.



- (d) Install the "D" ring guide and torque bolt.

Torque: 440 kg-cm (32 ft-lb, 43 N-m)



2. INSTALL QUARTER TRIM PANEL

(See page 4-4)

3. INSTALL SEAT BELT SHOULDER ANCHOR

Install the anchor and torque the bolt

Torque: 440 kg-cm (32 ft-lb, 43 N-m)

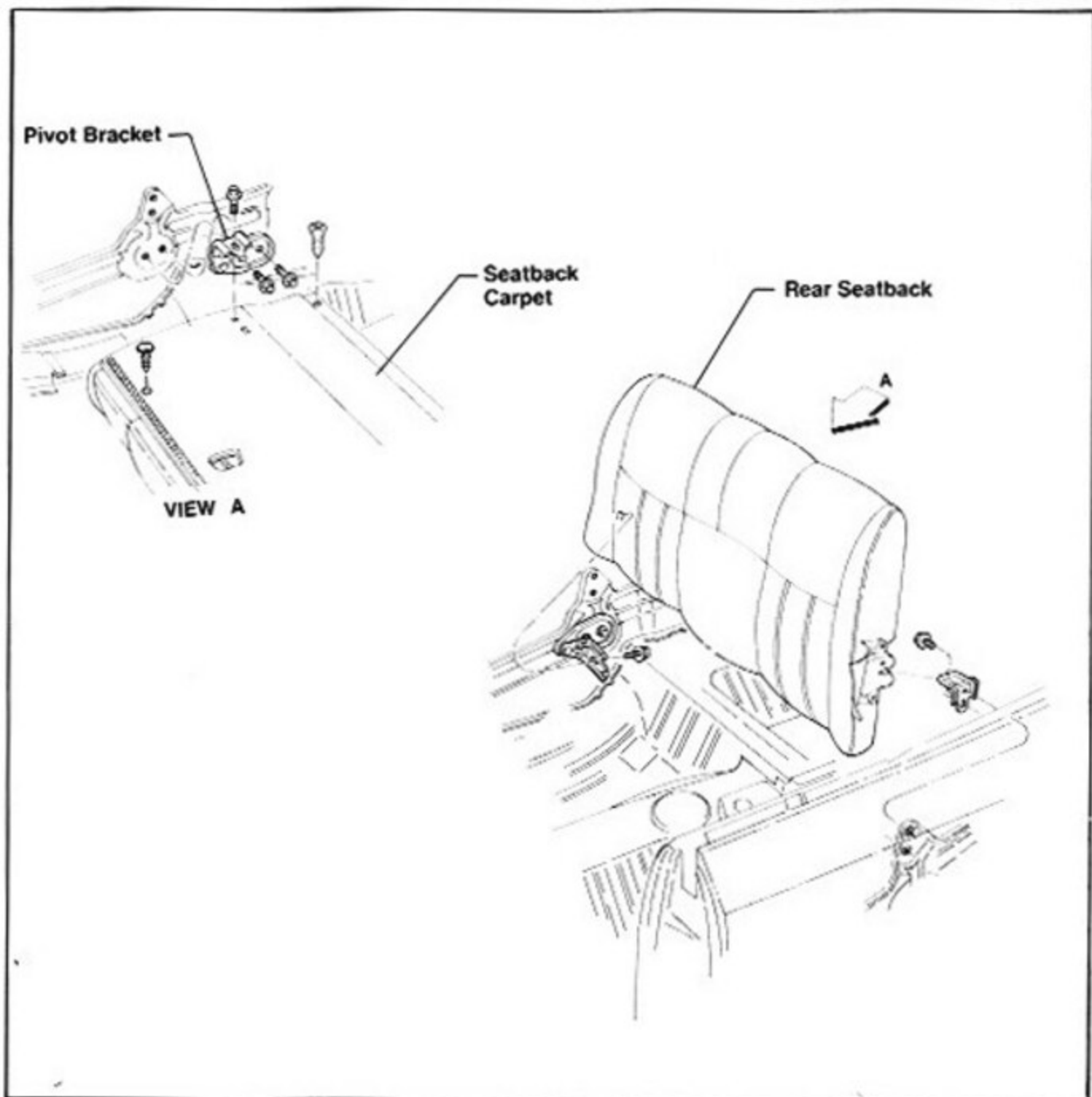
4. INSTALL THE FOLLOWING PARTS:

- (a) Door scuff molding.
- (b) Rear seat cushion.

REAR SEATBACK

	Page
REAR SEATBACK-COMPONENTS	7-2
REMOVAL OF REAR SEATBACK	7-3
INSTALLATION OF REAR SEATBACK	7-3

REAR SEATBACK COMPONENTS



**REMOVAL OF REAR SEATBACK**

1. **LOWER CONVERTIBLE TOP**
2. **REMOVE SEATBACK CARPET**
Pry loose the thirteen retainers and fold carpet rearward.



3. **REMOVE REAR SEATBACK**
Remove the two bolts and remove the seatback.

**INSTALLATION OF REAR SEATBACK**

1. **INSTALL REAR SEATBACK**
Position the seatback to the pivot brackets and install the two bolts.
Torque: 240 kg-cm (17 ft-lb, 24 N-m)

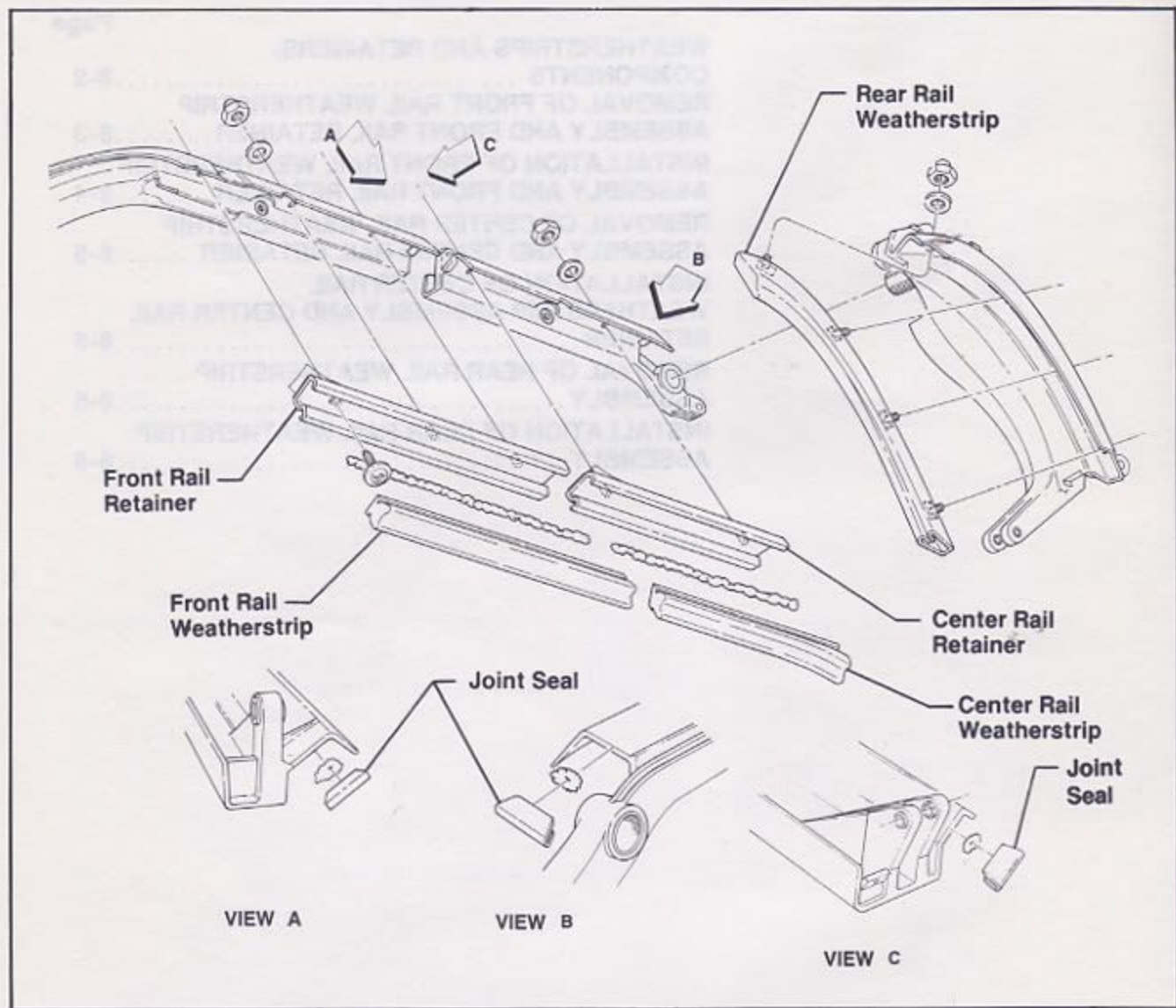
2. **INSTALL SEATBACK CARPET**

WEATHERSTRIPS AND RETAINERS

	Page
WEATHERSTRIPS AND RETAINERS- COMPONENTS	8-2
REMOVAL OF FRONT RAIL WEATHERSTRIP ASSEMBLY AND FRONT RAIL RETAINER	8-3
INSTALLATION OF FRONT RAIL WEATHERSTRIP ASSEMBLY AND FRONT RAIL RETAINER	8-4
REMOVAL OF CENTER RAIL WEATHERSTRIP ASSEMBLY AND CENTER RAIL RETAINER	8-5
INSTALLATION OF CENTER RAIL WEATHERSTRIP ASSEMBLY AND CENTER RAIL RETAINER	8-5
REMOVAL OF REAR RAIL WEATHERSTRIP ASSEMBLY	8-6
INSTALLATION OF REAR RAIL WEATHERSTRIP ASSEMBLY	8-6

WEATHERSTRIPS AND RETAINERS

COMPONENTS



REMOVAL OF FRONT RAIL WEATHERSTRIP ASSEMBLY AND FRONT RAIL RETAINER

1. REMOVE FRONT RAIL WEATHERSTRIP ASSEMBLY

- (a) Unlatch top and lower it all the way down.

- (b) Using a suitable release agent (Kent special releasing agent or equivalent) and a flat-bladed tool, grasp the weatherstrip and gently pull upward while inserting the flat-bladed tool between the weatherstrip and the weatherstrip retainer to break the cement bond and remove the front rail weatherstrip assembly.



2. REMOVE FRONT RAIL WEATHERSTRIP RETAINER

- (a) Raise the top halfway.
- (b) Remove the two nuts, washers and screw and remove the front rail weatherstrip retainer.



INSTALLATION OF FRONT RAIL WEATHERSTRIP ASSEMBLY AND FRONT RAIL RETAINER

1. REMOVE ALL EXCESS ADHESIVE FROM THE FRONT RAIL WEATHERSTRIP RETAINER

2. INSTALL FRONT RAIL WEATHERSTRIP RETAINER

- (a) Install the retainer to the front rail.
- (b) Install the two washers, nuts and screw.

3. INSTALL FRONT RAIL WEATHERSTRIP ASSEMBLY

- (a) Lower the top all the way down.
- (b) Apply a continuous bead of black weatherstrip adhesive to the channel of the front rail weatherstrip retainer.





- (c) Position and align the weatherstrip assembly to the front rail weatherstrip retainer.
- (d) Using a flat-bladed tool, install the weatherstrip into the front rail weatherstrip retainer.





REMOVAL OF CENTER RAIL WEATHERSTRIP ASSEMBLY AND CENTER RAIL RETAINER

1. REMOVE CENTER RAIL WEATHERSTRIP ASSEMBLY

- (a) Unlatch top and lower it halfway.
- (b) Using a suitable releasing agent (Kent special releasing agent or equivalent) and a flat-bladed tool, grasp the weatherstrip and gently pull downward while inserting the flat-bladed tool between the weatherstrip and the weatherstrip retainer to break the cement bond and remove the center rail weatherstrip assembly.



2. REMOVE CENTER RAIL WEATHERSTRIP RETAINER

Remove the two nuts and washers and remove the center rail weatherstrip retainer.

INSTALLATION OF CENTER RAIL WEATHERSTRIP ASSEMBLY AND CENTER RAIL RETAINER

1. REMOVE ALL EXCESS ADHESIVE FROM THE CENTER RAIL WEATHERSTRIP RETAINER

2. INSTALL CENTER RAIL WEATHERSTRIP RETAINER

- (a) Install the retainer to the center rail.
- (b) Install the two washers and nuts.

3. INSTALL CENTER RAIL WEATHERSTRIP ASSEMBLY

- (a) Apply a continuous bead of black weatherstrip adhesive to the channel of the center rail weatherstrip retainer.



- (b) Position and align the weatherstrip assembly to the center rail weatherstrip retainer.
- (c) Using a flat-bladed tool, install the weatherstrip into the center rail weatherstrip retainer.





REMOVAL OF REAR RAIL WEATHERSTRIP ASSEMBLY

1. REMOVE REAR RAIL WEATHERSTRIP ASSEMBLY

- (a) Raise the top to the windshield header.
- (b) Remove the four nuts and washers and remove the rear rail weatherstrip assembly.



INSTALLATION OF REAR RAIL WEATHERSTRIP ASSEMBLY

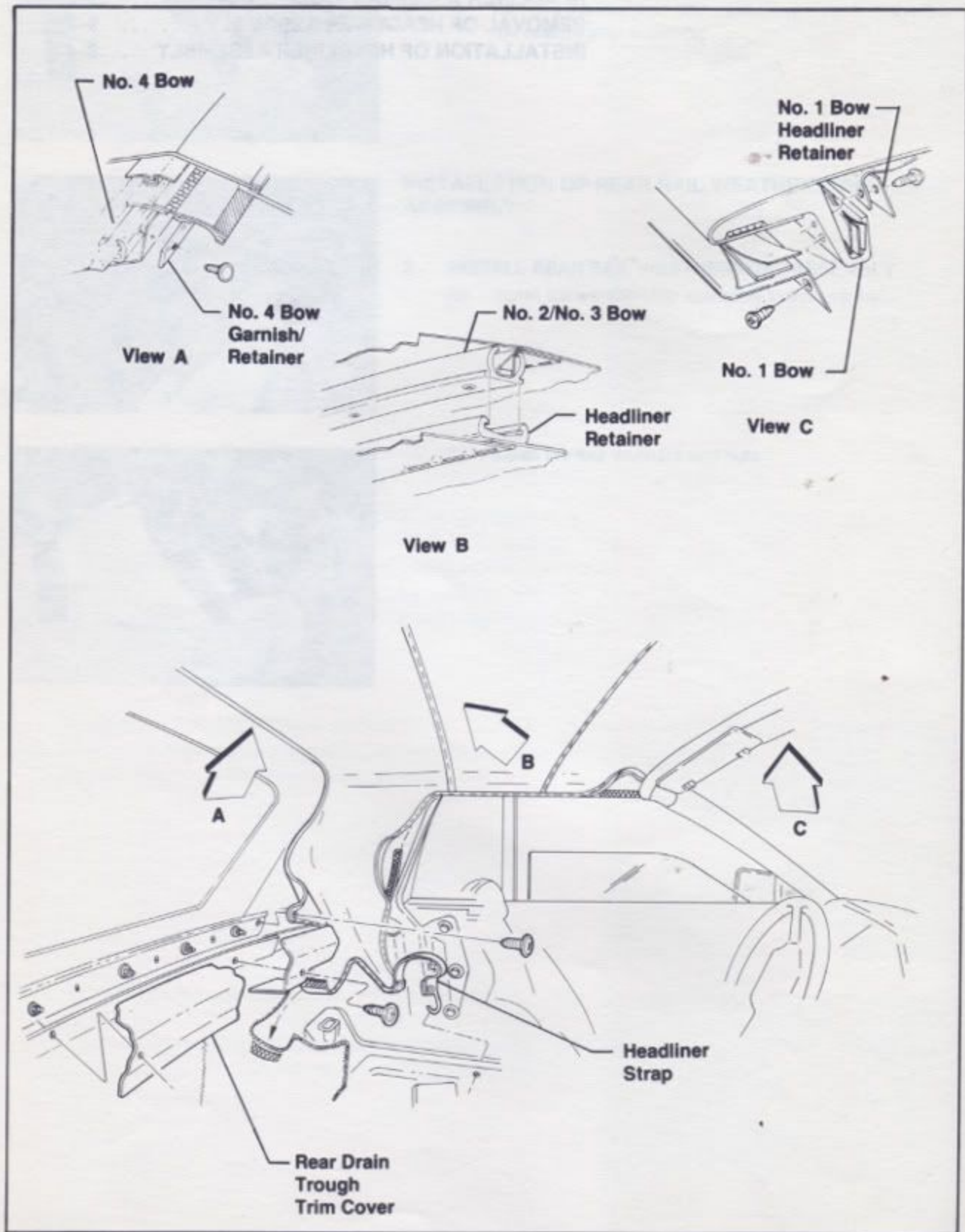
2. INSTALL REAR RAIL WEATHERSTRIP ASSEMBLY

- (a) Install the weatherstrip assembly to the rear rail.



- (b) Install the four washers and nuts.

HEADLINER ASSEMBLY COMPONENTS





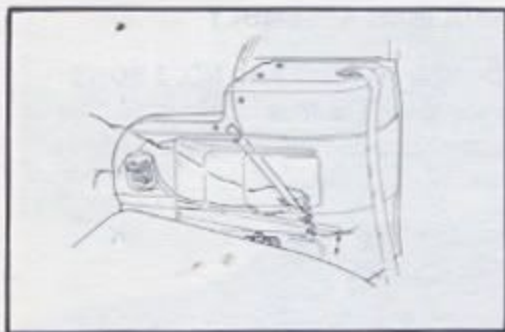
REMOVAL OF HEADLINER ASSEMBLY

1. REMOVE REAR DRAIN TROUGH TRIM COVER

Remove the three screws and remove the rear drain trough trim cover.



2. REMOVE THE SCREWS ATTACHING HEADLINER TO THE TACKING STRIP



3. UNHOOK HEADLINER STRAPS FROM AUXILIARY "B" PILLAR BRACE



4. REMOVE NO. 4 BOW GARNISH/RETAINER

- Unzip and lower backlite.
- Remove the screws and snap and remove the garnish/retainer.



- Detach the headliner from the No. 4 bow. Pull to break cement bond.



5. REMOVE HEADLINER FROM NO. 1 BOW

- (a) Unlatch the top and lower it halfway.
- (b) Remove the eight screws from No. 1 bow retainer.



6. DETACH HEADLINER FROM NO. 2 AND NO. 3 BOWS

- Detach the headliner No. 2 and No. 3 bow retainers from the No. 2 and No. 3 bows and remove the headliner.



INSTALLATION OF HEADLINER ASSEMBLY

1. INSTALL THE HEADLINER TO NO. 2 AND NO. 3 BOWS

- (a) Unlatch the top and lower it halfway.
- (b) Attach the headliner No. 3 and No. 2 retainers to the No. 3 and No. 2 bows.



2. INSTALL HEADLINER TO NO. 1 BOW

- (a) Position No. 1 bow headliner retainer to No. 1 bow.
- (b) Install the eight screws.



3. INSTALL HEADLINER TO NO. 4 BOW

- (a) Raise the top and latch it to the windshield header.
- (b) Brush an even amount of adhesive along rear surface on No. 4 bow.



- (c) Attach headliner to No. 4 bow. Starting at center working toward each end, pull headliner rearward while attaching to pull out wrinkles.

TOP COVER ASSEMBLY - COMPONENTS

10-1

REMOVAL OF TOP COVER ASSEMBLY

10-2

INSTALLATION OF TOP COVER ASSEMBLY

10-3



4. INSTALL NO. 4 BOW GARNISH/RETAINER

- Unzip and lower backlite.
- Position the No. 4 bow garnish/retainer to No. 4 bow.
- Install the six screws and snap.
- Zip the backlite back up in position.



5. INSTALL HEADLINER TO TACKING STRIP

Position headliner reinforcement tab to tacking strip and install the screw.



6. HOOK HEADLINER STRAPS TO AUXILIARY "B" PILLAR BRACE

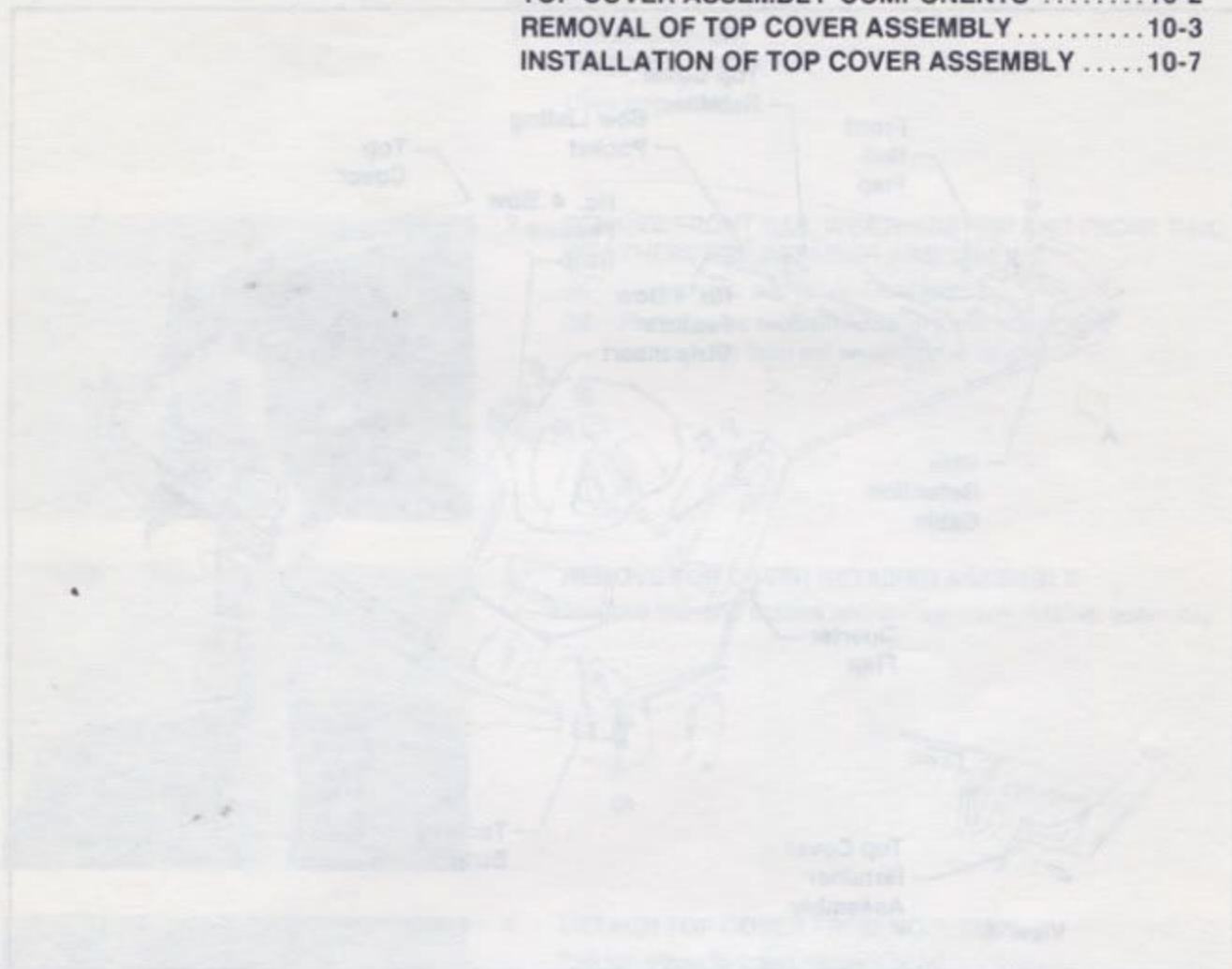


7. INSTALL THE REAR DRAIN TROUGH TRIM COVER

Position the trim cover to the rear drain trough and install the three screws.

TOP COVER ASSEMBLY

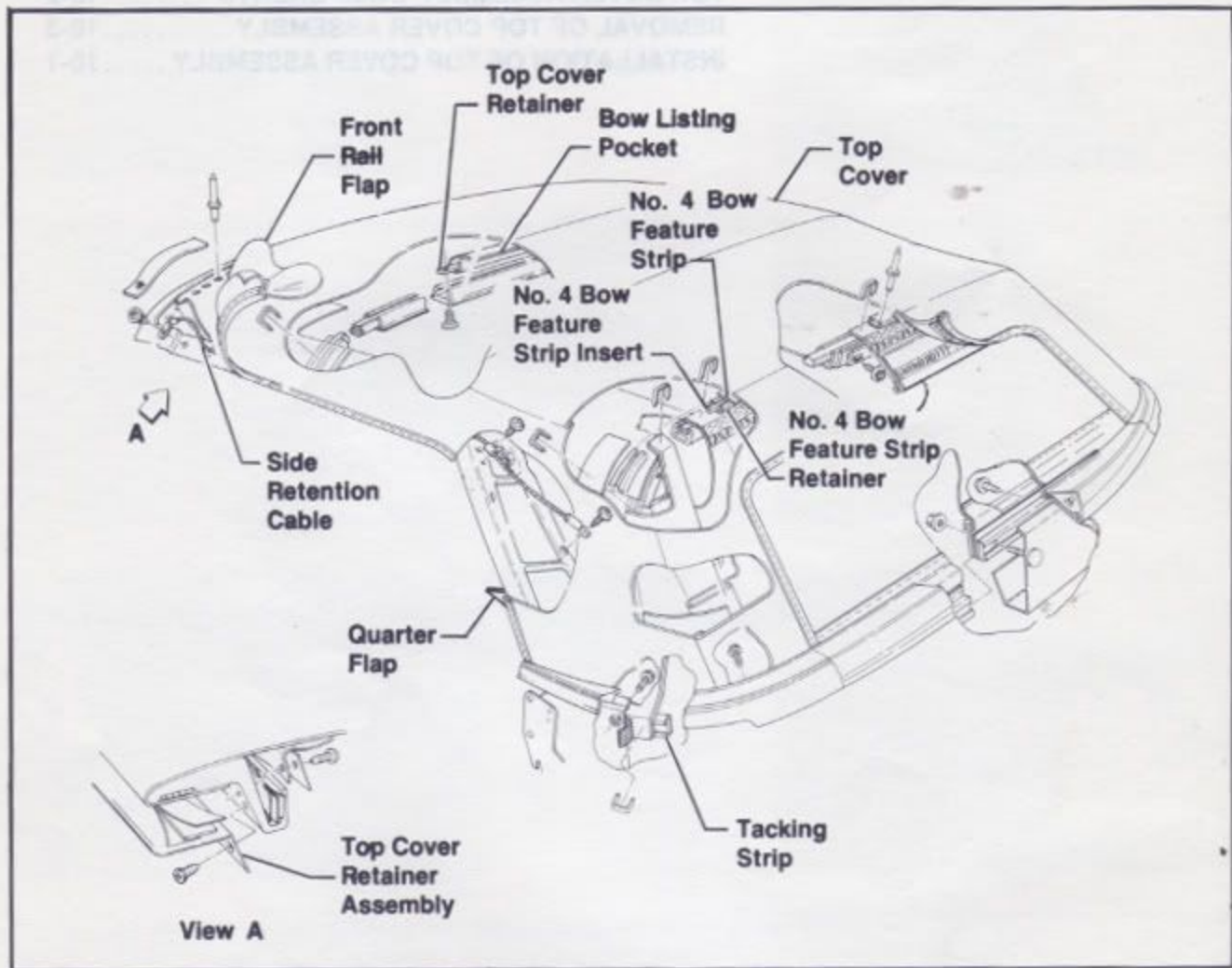
	Page
TOP COVER ASSEMBLY-COMPONENTS	10-2
REMOVAL OF TOP COVER ASSEMBLY	10-3
INSTALLATION OF TOP COVER ASSEMBLY	10-7



DETACH TOP COVER FROM FRONT PANEL
 THROUGH UPPER HOLES.

TOP COVER ASSEMBLY

COMPONENTS



REMOVAL OF TOP COVER ASSEMBLY

CAREFULLY TAPE PROTECTIVE COVER TO QUARTER AND BACK BELT MOLDINGS TO PROTECT THE DECK LID AND BODY

1. (w/HEADLINER)
REMOVE HEADLINER
(See page 9-3)



2. REMOVE FRONT RAIL WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES

- (a) Unlatch top and lower it halfway.
- (b) Remove the two nuts/washers and screw, and remove the front rail weatherstrip retainer.



3. REMOVE TOP COVER RETAINER ASSEMBLY

Remove the nine screws and the top cover retainer assembly.



4. DETACH TOP COVER FROM NO 1. BOW

Pull top cover to break cement bond.



5. DETACH TOP COVER FLAPS FROM FRONT RAILS

Pull flaps to break cement bond.



6. REMOVE TOP COVER RETAINERS FROM NO.2 and NO.3 BOW LISTING POCKETS

- (a) Remove the six screws on each bow.



- (b) Push top cover rearward away from No. 2 and No.3 bows.

- (c) Slide top cover retainers out of listing pockets to remove them.



7. REMOVE SIDE RETENTION CABLE FROM FRONT SIDE RAIL

- Remove the screw.



8. REMOVE REAR WEATHERSTRIP ASSEMBLIES

- (a) Raise the top to the windshield header.
 (b) Remove the four nuts and washers and remove the weatherstrip.



9. DETACH TOP COVER QUARTER FLAPS FROM THE REAR RAILS

**10. REMOVE SIDE RETENTION CABLE FROM TOP COVER**

Pull the cable back through the top cover side listing pocket to remove the cable.

**11. REMOVE BELT TACKING STRIP ASSEMBLY**

(a) Remove the twelve nuts and four bolts.



(b) Pull both forward ends of the belt tacking strips inboard to clear the quarter mounting studs.

(c) Pull the complete tacking strip assembly forward to clear the rear mounting studs.



(d) Push the tacking strip assembly to one side to allow clearance.

(e) Raise one corner of tacking strip from the body. Then lift the remainder of the tacking strip assembly above the belt line.

**12. MARK REFERENCE POINTS ON TOP COVER ASSEMBLY**

Perform the following operation on the deck of the vehicle.

(a) Using a suitable sharp pencil, accurately mark the location of the complete belt tacking strip assembly. Mark upper and lower edge and ends on the outer surface of the top cover.



- (b) Mark the location of the inner vertical edge of the top cover backlite opening on the belt tacking strip assembly.



13. DETACH TOP COVER FROM BELT TACKING STRIP ASSEMBLY

Using an awl, remove staples retaining top cover to the belt tacking strip.

NOTE: Before removal, note location and spacing of staples.



14. REMOVE TOP COVER FROM NO. 4 BOW

- (a) Fold top cover (rear sail material) back over the No. 4 bow.
 (b) Remove No. 4 bow feature strip outer isolator by pulling it out of the No. 4 bow feature strip retainer.



- (c) Remove No. 4 bow feature strip insert by pulling the insert out of the No. 4 bow feature strip retainer.



- (d) Detach top material from the No. 4 bow by pulling the No. 4 bow feature strip out of the No. 4 bow feature strip retainer.
 (e) Remove top cover.

INSTALLATION OF TOP COVER ASSEMBLY**1. TRANSFER REFERENCE MARKS FROM REMOVED TOP COVER TO NEW TOP COVER**

- (a) Place new top cover on a suitable clean surface, such as on clean roof of a car to provide proper contour and fullness with inner surface of cover down.
- (b) Position removed top cover over new one.
- (c) Carefully align backlite opening upper corners and rear quarter upper corners of both covers. Secure both covers in position.
- (d) Carefully lay out trim material of quarter area of both covers. Using a sharpened pencil, transfer location marks for tacking strip from old top to new top.
- (e) Reposition new top cover over old top cover to check reference mark locations.

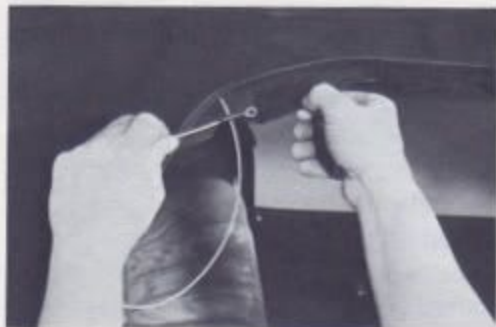
**2. INSTALL TOP COVER TO NO. 4 BOW**

- (a) Position new top cover over top stack framework.
- (b) Fold top cover quarter sail material back over the No.4 bow.
- (c) Align the No. 4 bow feature strip to the No. 4 bow feature strip retainer.
- (d) Engage the No. 4 bow feature strip into the No. 4 bow feature strip retainer, starting at one end working toward the other.

**3. INSTALL NO. 4 BOW FEATURE STRIP INSERT**

Insert the No. 4 bow feature strip insert into the No. 4 bow feature strip retainer.

**4. INSTALL NO. 4 BOW FEATURE STRIP OUTER ISOLATOR**



5. INSTALL SIDE RETENTION CABLES TO TOP COVER AND TO FRONT SIDE RAILS

- (a) Insert the end of the cable into the rear end of the top cover side rail listing pocket and push the cable through the listing pocket.



- (b) Lower the top halfway and install the end of the cable into the front side rail with the screw.



6. INSTALL TOP COVER TO BELT TACKING STRIP ASSEMBLY

- (a) Position and locate top cover to belt tacking strip according to reference marks.



- (b) Tack top cover to belt tacking strip starting from top cover inner verticle edge reference mark on tacking strip assembly towards the front.

NOTE: Avoid excessive stretching, but keep material flat during tacking operation.

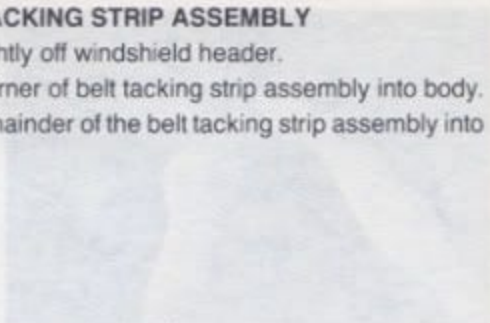


- (c) Cut or pierce holes in top cover along belt tacking strip for tacking strip attaching studs, and bolts.
- (d) Trim off excess material to within 1/2 inch of lower edge of belt tacking strip.

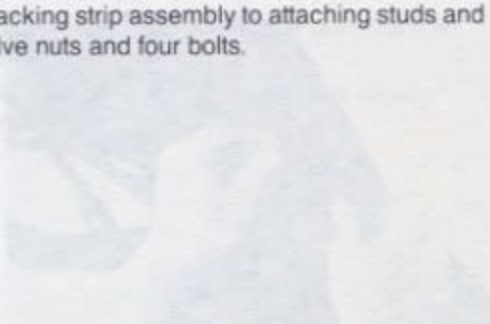


7. INSTALL BELT TACKING STRIP ASSEMBLY

- (a) Raise top slightly off windshield header.
- (b) Lower one corner of belt tacking strip assembly into body.
- (c) Lower the remainder of the belt tacking strip assembly into body.



- (d) Position belt tacking strip assembly to attaching studs and install the twelve nuts and four bolts.

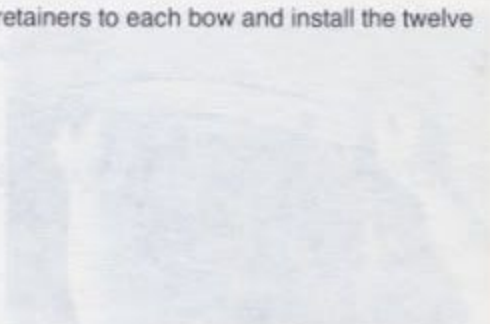


8. INSTALL NO. 2 AND NO. 3 BOW RETAINERS

- (a) Insert bow retainers into top cover listing pockets.

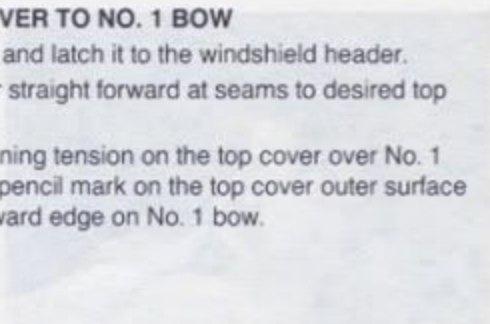


- (b) Position bow retainers to each bow and install the twelve screws.



9. INSTALL TOP COVER TO NO. 1 BOW

- (a) Raise the top and latch it to the windshield header.
- (b) Pull top cover straight forward at seams to desired top fullness.
- (c) While maintaining tension on the top cover over No. 1 bow, make a pencil mark on the top cover outer surface along the forward edge on No. 1 bow.





- (d) Lower the top halfway and carefully apply nitrile cement or neoprene weatherstrip adhesive to cementing area of No. 1 bow and front side rails and to corresponding surfaces of top cover and to front corner flaps.
- (e) Secure top cover to No. 1 bow by pulling top cover reference marks slightly beyond target so that pencil marks will be slightly under front edge of No. 1 bow.



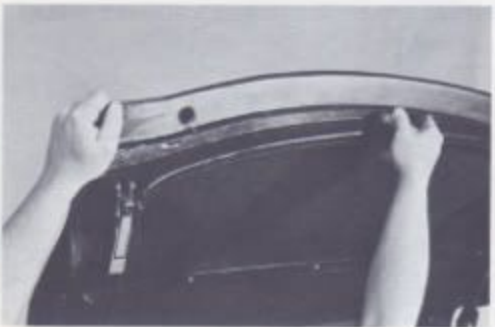
- (f) Align sides of top cover with side rails and secure top cover flaps to the front rails.



- (g) Raise the top and latch it to windshield header. Check appearance of top cover, top operation and latching effort of top.

NOTE: If additional tension is needed in top cover, repeat step (e) and pull top cover further forward.

- (h) Trim off all excess material from No. 1 bow.



10. INSTALL TOP COVER RETAINER ASSEMBLY

Position the top cover retainer assembly to the No. 1 bow and install the nine screws.



11. INSTALL FRONT RAIL WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES

Position front rail weatherstrip retainers to the front side rails and install the two washers/nuts and screw to each retainer.

**12. INSTALL TOP COVER QUARTER FLAPS TO REAR RAILS**

- (a) Raise the top and latch it to the windshield header.
- (b) Apply nitrile cement or neoprene weatherstrip adhesive to cementing surfaces of rear rail and to quarter flaps.

REMOVAL OF THE PLATE ASSEMBLY
INSTALLATION OF BACKLITE ASSEMBLY



- (c) Align quarter flap seam with edge of rear rail to remove all fullness from top cover.
- (d) With quarter flap seam aligned with each rail, cement quarter flap securely in place to rear rails.

**13. INSTALL REAR RAIL WEATHERSTRIP ASSEMBLIES**

Position weatherstrip assembly to rear rail and install the four washers and nuts.

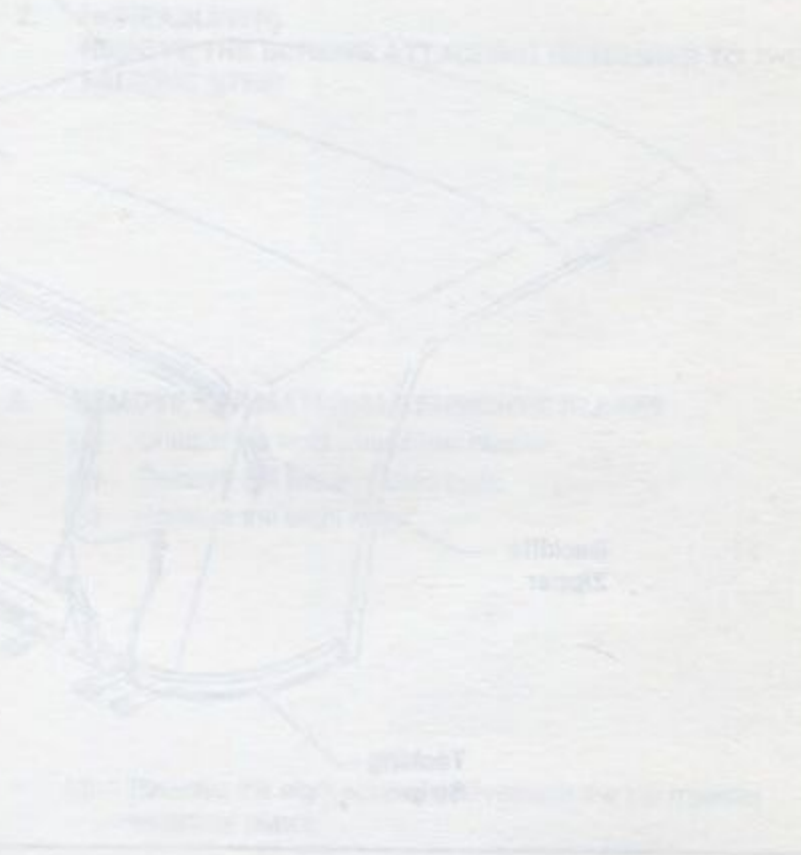
14. (w/HEADLINER)
INSTALL HEADLINER
(See page 9-4)

15. WHEN COMPLETE, CLEAN UP TOP MATERIAL AND CAR AS REQUIRED

BACKLITE ASSEMBLY

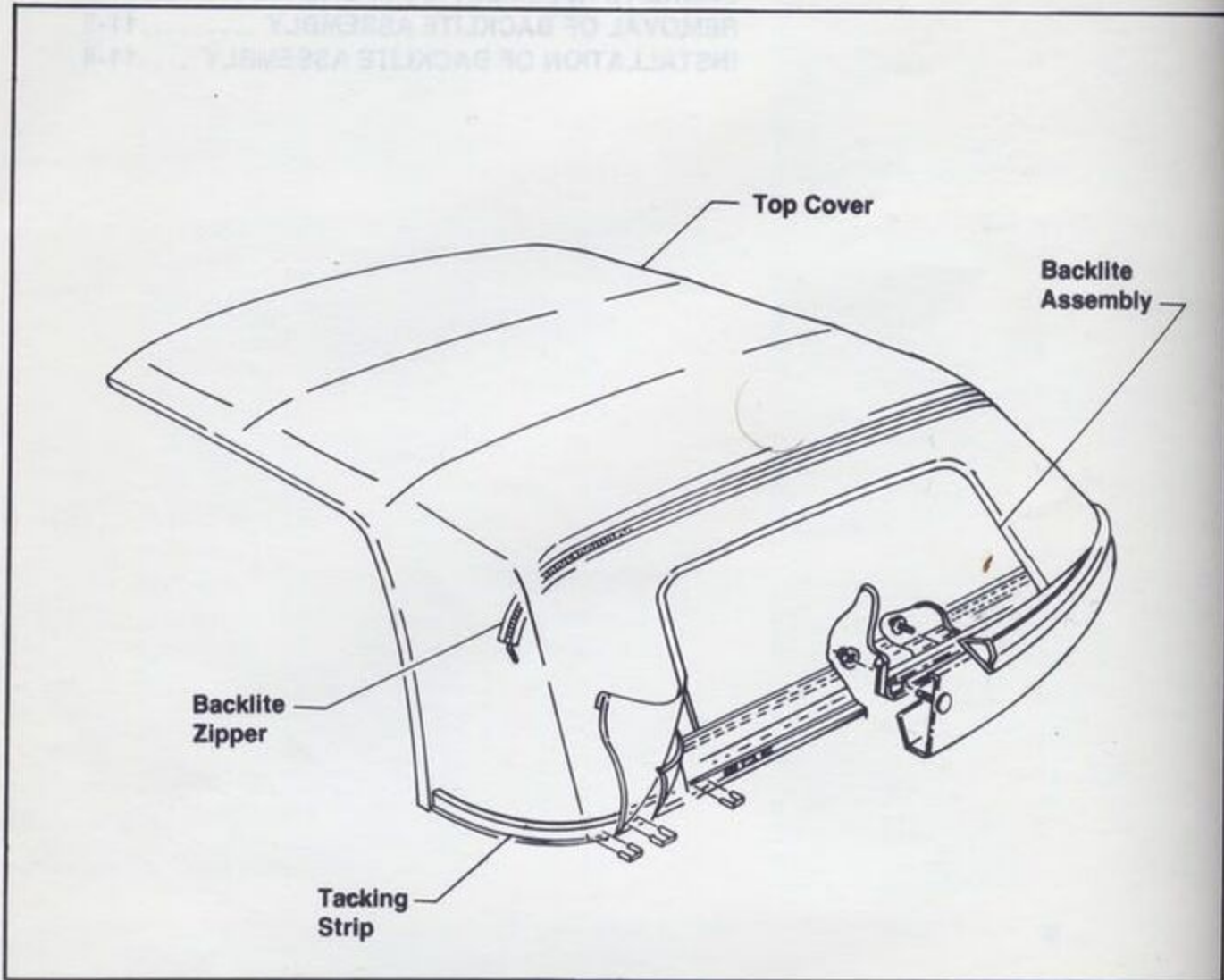
	Page
BACKLITE ASSEMBLY-COMPONENTS	11-2
REMOVAL OF BACKLITE ASSEMBLY	11-3
INSTALLATION OF BACKLITE ASSEMBLY	11-4

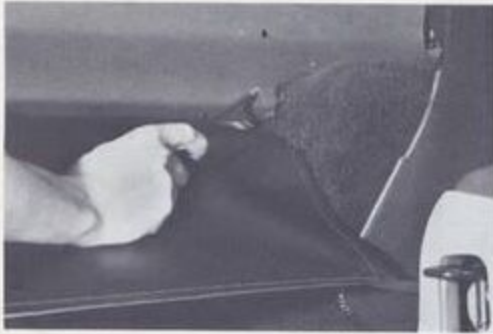
FIGURE 11-1



- REMOVAL OF BACKLITE ASSEMBLY
- (a) Remove the lens from the backlite assembly.
 - (b) Remove the backlite assembly from the instrument panel.

BACKLITE ASSEMBLY COMPONENTS





REMOVAL OF BACKLITE ASSEMBLY

1. REMOVE REAR DRAIN TROUGH TRIM COVER

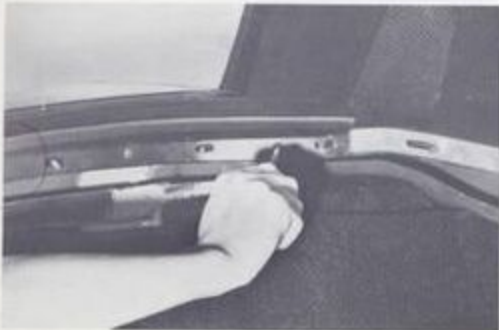


2. (w/HEADLINER) REMOVE THE SCREWS ATTACHING HEADLINER TO THE TACKING STRIP



3. REMOVE TOP MATERIAL TENSIONER PLATES

- (a) Unlatch top from windshield header.
- (b) Remove the two outboard bolts.
- (c) Remove the eight nuts.



- (d) Remove the eight screws and remove the top material tensioner plates.



4. REMOVE BACKLITE ASSEMBLY

- (a) Pull backlite forward to clear mounting studs.
- (b) Unzip and remove the backlite assembly.

INSTALLATION OF BACKLITE ASSEMBLY**1. INSTALL BACKLITE ASSEMBLY**

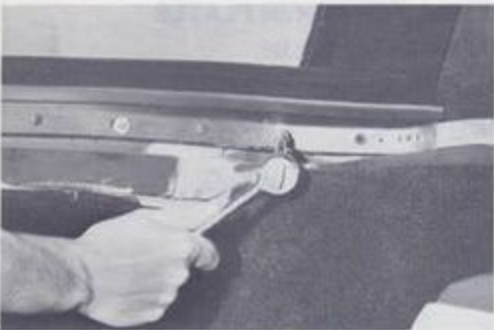
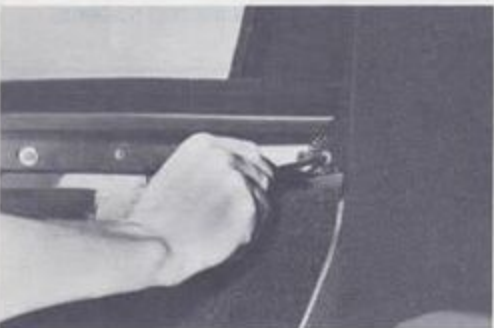
- (a) Zip backlite assembly in place.
- (b) Position backlite assembly to mounting studs.

**2. INSTALL TOP MATERIAL TENSIONER PLATES**

- (a) Position top material tensioner plates to mounting studs.
- (b) Align all screw attaching holes and install the eight screws.



- (c) Install the eight nuts and two bolts.

**3. (w/HEADLINER)
INSTALL HEADLINER TO TACKING STRIP****4. INSTALL REAR DRAIN TROUGH TRIM COVER**



5. WHEN COMPLETE, INSPECT BACKLITE ASSEMBLY FOR WRINKLES

Raise the top and latch it to the windshield header. If slight wrinkles or waves are present perform the following:

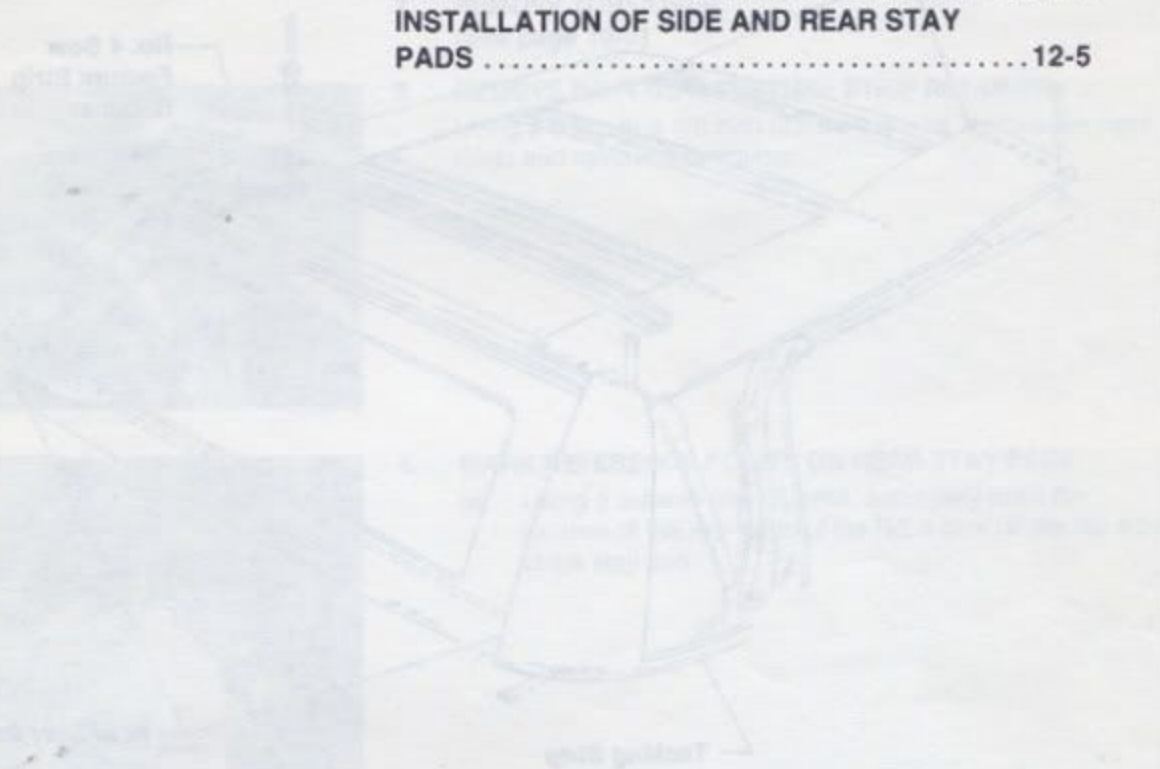
CAUTION: Excess heat may cause damage to the backlite. Extreme care should be used when following this procedure.

Apply heat to the backlite surface using a hot air gun. The hot air gun should be held about 50 mm (2 inches) from the backlite and move in a circular motion for about 5 minutes.

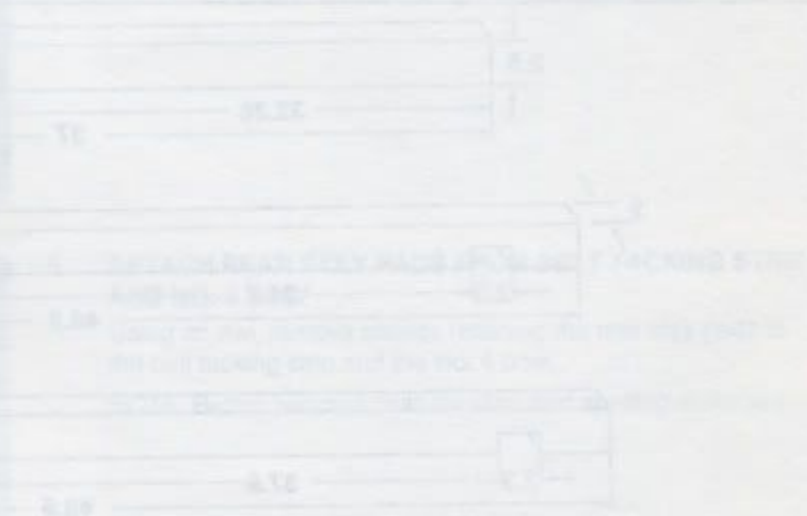
Let backlite cool off for about 20 minutes before reinspection.

STAY PADS, SIDE AND REAR

	Page
STAY PADS, SIDE AND REAR COMPONENTS	12-2
REMOVAL OF SIDE AND REAR STAY PADS ...	12-3
INSTALLATION OF SIDE AND REAR STAY PADS	12-5

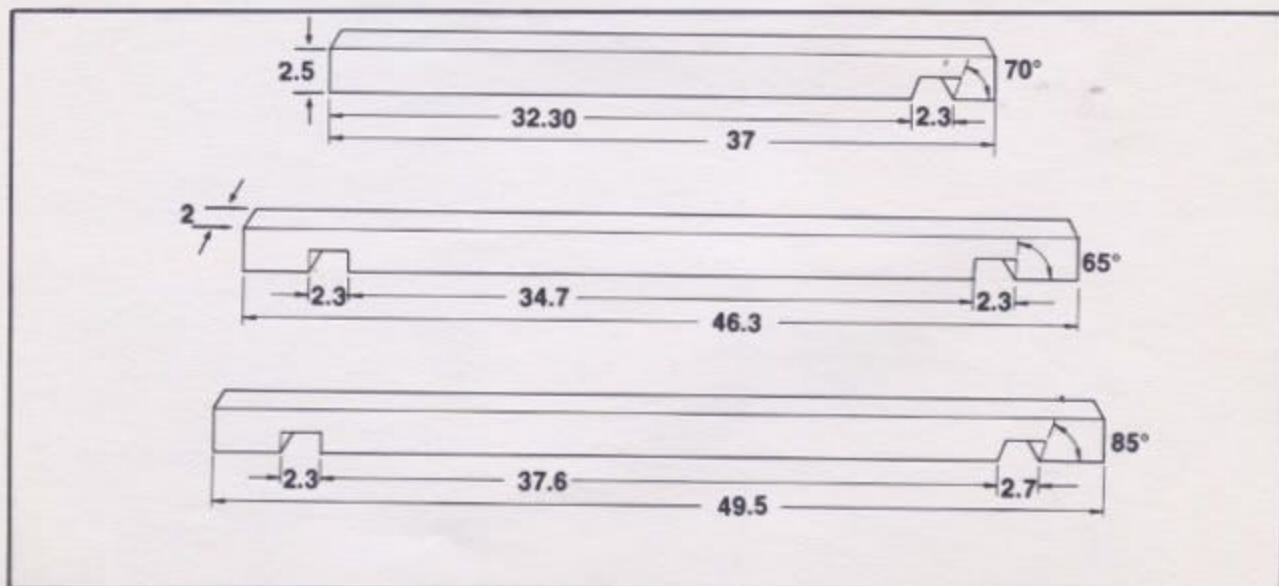
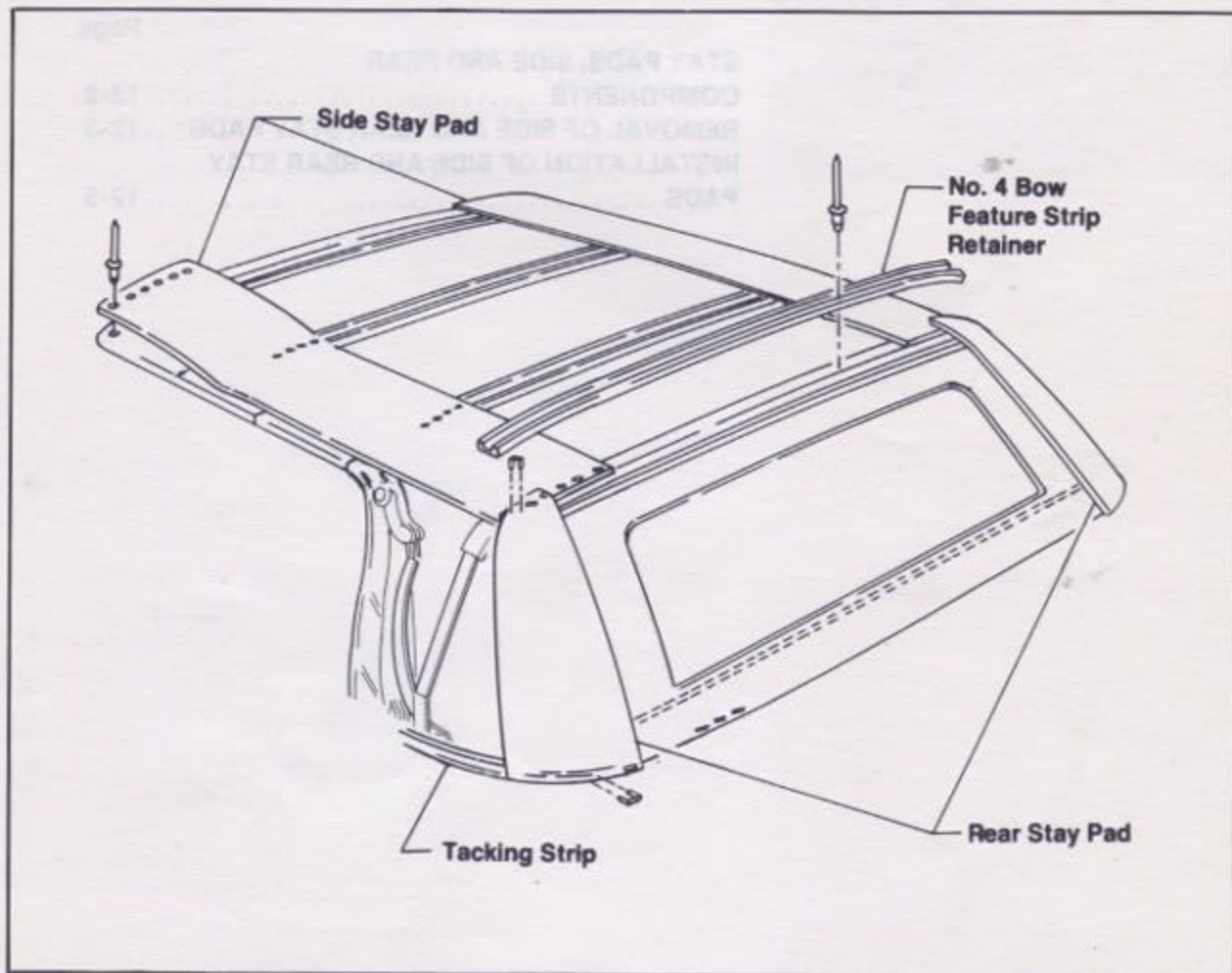


Remove the rear seat backrest from the vehicle and place it on a flat surface. The rear stay pad is located on the rear side of the rear seat backrest. The side stay pad is located on the side of the rear seat backrest.



STAY PADS, SIDE AND REAR

COMPONENTS



REMOVAL OF SIDE AND REAR STAY PADS

CAREFULLY TAPE PROTECTIVE COVER TO QUARTER AND BACK BELT MOLDINGS TO PROTECT THE DECK LID AND BODY.

1. (w/HEADLINER)
REMOVE HEADLINER
(See page 9-3)

2. REMOVE TOP COVER
(See page 10-3)

3. REMOVE NO. 4 BOW FEATURE STRIP RETAINER

Using a drill with a 1/8 inch (3.2 mm) drill bit, remove the eight rivets and remove the retainer.



4. MARK REFERENCE POINTS ON REAR STAY PADS

- (a) Using a suitable sharp pencil, accurately mark the location of the rear edge of the No. 4 bow on the top side of the stay pad.



- (b) Mark the location of the belt tacking strip, upper and lower edge, on the outer surface of the rear stay pads. Mark the location of the inner vertical edge of the stay pads on the outer surface of the backlite.



5. DETACH REAR STAY PADS FROM BELT TACKING STRIP AND NO. 4 BOW

Using an awl, remove staples retaining the rear stay pads to the belt tacking strip and the No. 4 bow.

NOTE: Before removal, note location and spacing of staples.





6. MARK REFERENCE POINTS ON BACKLITE UPPER ZIPPER

Using a suitable sharp pencil, accurately mark the location of the rear edge of the No. 4 bow on the top side of the backlite upper zipper.



7. DETACH BACKLITE UPPER ZIPPER FROM STAY PAD AREA OF NO. 4 BOW

Using an awl, remove staples retaining the backlite zipper to the No. 4 bow, stay pad area only.

NOTE: Before removal, note location and spacing of staples.



8. MARK REFERENCE POINTS ON SIDE STAY PADS

- (a) Using a suitable sharp pencil, accurately mark the location of the side stay pads on the No. 1, 2, 3 and 4 bows.
- (b) Mark the location of all the bows forward and rearward edges on the stay pads.



9. DETACH SIDE STAY PADS FROM NO. 2, 3 AND 4 BOWS

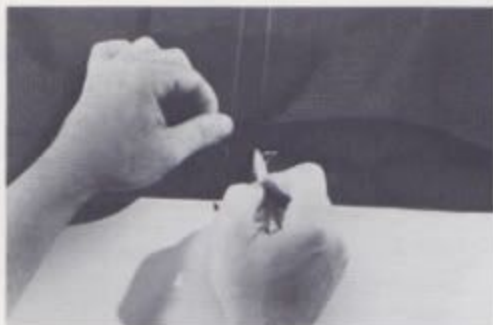
Using an awl, remove staples retaining the side stay pads to the No. 2, 3, and 4 bows.

NOTE: Before removal, note location and spacing of staples.



10. REMOVE SIDE STAY PADS FROM NO. 1 BOW

Using a drill with a 1/8 inch (3.2 mm) drill bit, remove seven rivets on each stay pad and remove the stay pads.



INSTALLATION OF SIDE AND REAR STAY PADS

1. TRANSFER REFERENCE MARKS FROM REMOVED STAY PADS TO NEW STAY PADS

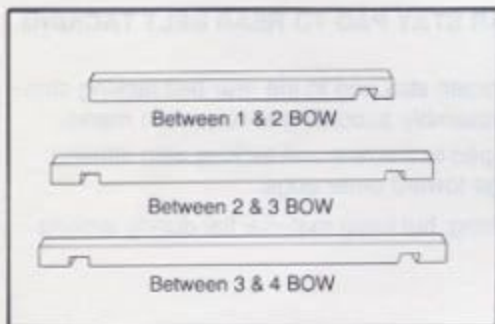
- Place new stay pad on a flat surface or bench and position removed stay pad over new one.
- While holding both stay pads together securely, use care and transfer reference marks from removed pad to new one.



2. INSTALL SIDE STAY PAD TO NO. 1 BOW

Position the side stay pad to the No. 1 bow and install seven (1/8 inch x 3/8 inch aluminum) rivets.

NOTE: Avoid stretching, but keep material flat during rivet installation.



3. INSTALL SIDE PAD TO NO. 2, 3 AND 4 BOWS

- Latch the top to the windshield header and install spacer sticks along the centerline between the No. 1, 2, 3 and 4 bows.

NOTE: The purpose of the spacer sticks is to hold all bows in position during stay pad installation.



- Position stay pad to bows according to reference marks.
- While maintaining tension on the stay pad, tack the stay pad to the No. 4 bow.

NOTE: Space between tacks must not exceed 1/2 inch (12 mm).

- Check tension of the stay pad between the No. 1 and 2 bows. No. 2 and 3 bows and No. 3 and 4 bows.

NOTE: Stay pad must be taut between all bows.

- Tack the stay pad to the No. 2 and 3 bows from the center to the inner edge of the stay pad.

NOTE: The tacks must be installed in a straight line in the center of the No. 2 and 3 bows and the space between the tacks must not exceed 1/2 inch (12 mm).



- Trim off all excess stay pad material from the rear edge of the No. 4 bow.
- Remove spacer sticks.



4. INSTALL BACKLITE UPPER ZIPPER TO NO. 4 BOW

- (a) Position and locate backlite upper zipper to the No. 4 bow according to reference marks.
- (b) Tack the backlite upper zipper to the No. 4 bow.

NOTE: Avoid stretching, but keep material flat during tacking operation.



5. INSTALL REAR STAY PAD TO NO. 4 BOW

- (a) Position and locate stay pad to the No. 4 bow according to reference marks.
- (b) Tack the stay pad to the No. 4 bow starting from the inner edge toward the outer edge.

NOTE: Avoid stretching but keep material flat during tacking operation.

- (c) Trim off all excess stay pad material from the forward edge of the No. 4 bow.



6. INSTALL THE REAR STAY PAD TO REAR BELT TACKING STRIP

- (a) Position and locate stay pad to the rear belt tacking strip and backlite assembly according to reference marks.
- (b) Tack the stay pad to the rear belt tacking strip starting from inner edge toward outer edge.

NOTE: Avoid stretching, but keep material flat during tacking operation.



- (c) Cut or pierce holes in stay pad along tacking strip for tacking strip attaching studs.
- (d) Trim off all excess stay pad material to within 1/2 inch of lower edge of tacking strip.



7. INSTALL NO. 4 BOW FEATURE STRIP RETAINER

Position the No. 4 bow retainer to the No. 4 bow and install the eight rivets (1/8 inch x 1/2 inch stainless steel).

8. **INSTALL TOP COVER**
(See page 10-7)
9. (w/HEADLINER)
INSTALL HEADLINER
(See page 9-4)
10. **WHEN COMPLETE, CLEAN UP TOP MATERIAL
AND CAR AS REQUIRED**

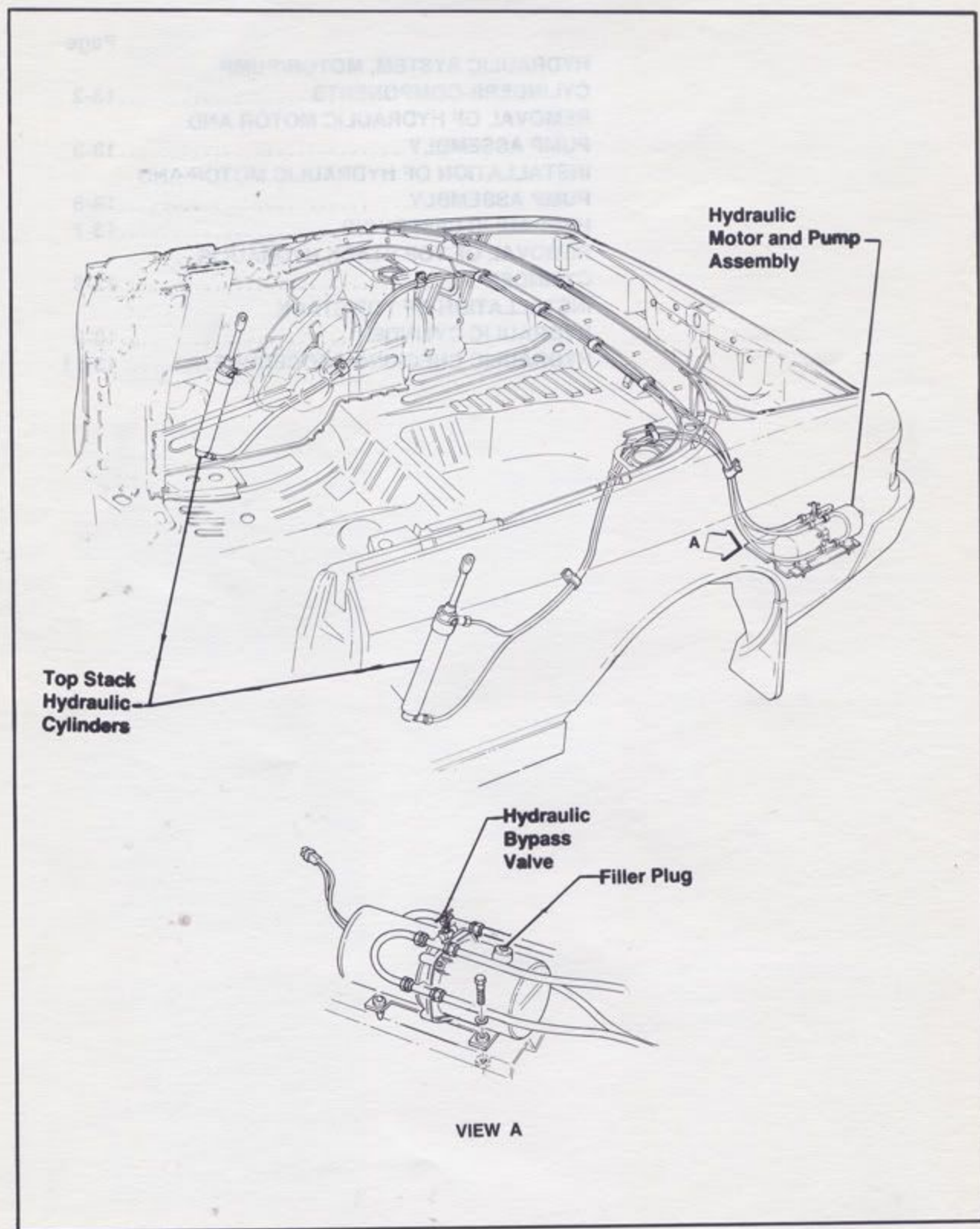
HYDRAULIC COMPONENTS	122
REMOVAL OF HYDRAULIC MOTOR AND PUMP ASSEMBLY	122
INSTALLATION OF HYDRAULIC MOTOR AND PUMP ASSEMBLY	124
HYDRAULIC RESERVOIR	127
REMOVAL OF TOP STACK HYDRAULIC CYLINDER	128
INSTALLATION OF TOP STACK HYDRAULIC CYLINDER	128
HYDRAULIC CHECKING PROCEDURE	129

HYDRAULIC SYSTEM, MOTOR/PUMP AND CYLINDERS

	Page
HYDRAULIC SYSTEM, MOTOR/PUMP CYLINDERS-COMPONENTS	13-2
REMOVAL OF HYDRAULIC MOTOR AND PUMP ASSEMBLY	13-3
INSTALLATION OF HYDRAULIC MOTOR AND PUMP ASSEMBLY	13-5
HYDRAULIC RESERVOIR	13-7
REMOVAL OF TOP STACK HYDRAULIC CYLINDER	13-8
INSTALLATION OF TOP STACK HYDRAULIC CYLINDER	13-9
HYDRAULIC CHECKING PROCEDURE	13-11

HYDRAULIC SYSTEM, MOTOR/PUMP AND CYLINDERS

COMPONENTS



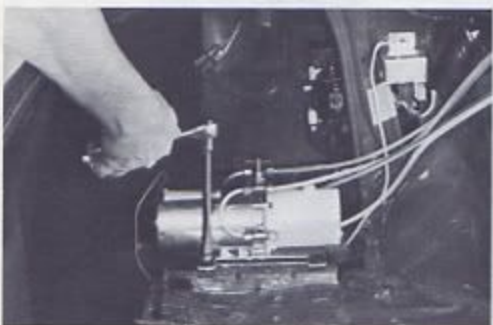


REMOVAL OF HYDRAULIC MOTOR AND PUMP ASSEMBLY

1. REMOVE LEFT SIDE LUGGAGE COMPARTMENT TRIM PANEL



2. REMOVE HYDRAULIC MOTOR AND PUMP ASSEMBLY
 - (a) Disconnect wire connector.



- (b) Remove the bolt attaching the hydraulic motor and pump assembly to mounting bracket.



- (c) Using a screwdriver, pry the motor and pump assembly up off the mounting bracket.



- (d) Remove and then install the filler plug on the motor and pump to vent the reservoir.

CAUTION: Venting the reservoir is necessary on this sealed-in unit to equalize the air pressure in the reservoir and the possibility of hydraulic fluid being forced out when disconnecting lines.



- (e) Disconnect the hydraulic lines from the motor and pump assembly and cap the open fitting to prevent leakage of fluid.

CAUTION: Place a cloth under motor and pump assembly when disconnecting hydraulic lines to absorb any leaking fluid.

NOTE: Before removal, note the attaching points of each hydraulic line.

- (f) Remove the motor and pump assembly.

REMOVE HYDRAULIC MOTOR AND PUMP ASSEMBLY
(a) Disconnect and cap the hydraulic lines.

1. Before disconnecting the hydraulic lines, cap the open fittings to prevent leakage of fluid.

Top view
Hydraulic line with cap
Cylinder

Hydraulic
Pump
Motor

2. Remove the motor and pump assembly from the vehicle.

3. Before removing the motor and pump assembly, note the attaching points of each hydraulic line and the possibility of hydraulic fluid being under pressure.

INSTALLATION OF HYDRAULIC MOTOR AND PUMP ASSEMBLY

NOTE: When installing a new motor and pump assembly, fill the reservoir with SAE 10W motor oil prior to installation. This priming operation is necessary prior to performing the following steps in order to avoid drawing an excessive amount of air into the hydraulic system.

1. INSTALL HYDRAULIC MOTOR AND PUMP ASSEMBLY

(a) Connect hydraulic lines to motor and pump assembly.



(b) Install motor and pump to mounting bracket.

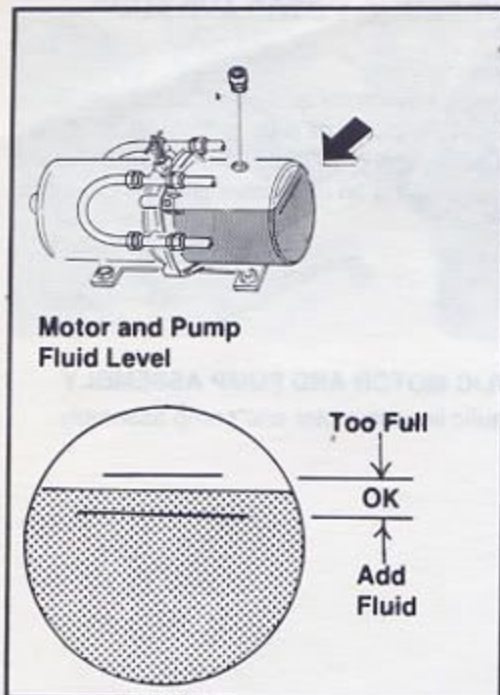


(c) Install the mounting bolt.



(d) Connect the wire connector.



**2. CHECK RESERVOIR FLUID LEVEL**

- (a) Operate top through its up and down cycles until all air has been bled from the hydraulic system and check hydraulic line connections for leaks.
- (b) Check the reservoir fluid level. If the fluid level is between the two marks, it is O.K. If the fluid level is low, see hydraulic reservoir to add more fluid.

3. INSTALL LEFT SIDE LUGGAGE COMPARTMENT TRIM PANEL

HYDRAULIC RESERVOIR

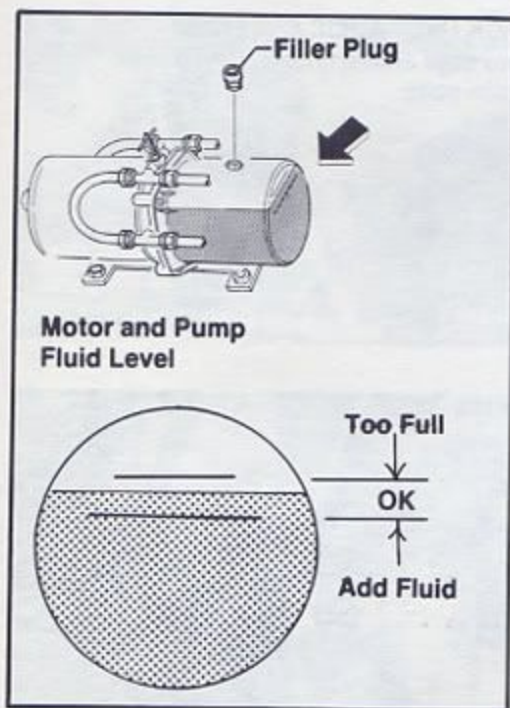
This procedure virtually eliminates discharge or spillage of hydraulic fluid and possible trim damage filling the system.

FILLING RESERVOIR

CAUTION: When installing a new motor and pump assembly, fill the reservoir with hydraulic fluid prior to installation. This priming operation is necessary prior to performing the following steps, in order to avoid drawing an excessive amount of air into the hydraulic system.



- (a) Remove left side luggage compartment trim panel.
- (b) Place absorbent rags below reservoir at filler plug.
- (c) Remove the filler plug from reservoir.



- (d) Using SAE 10W motor oil fill the reservoir, so that the fluid level is between the two marks.

CAUTION: Do not over fill reservoir.

- (e) Install the filler plug to reservoir.
- (f) Operate top to down position. After top is fully lowered, continue to operate motor and pump assembly (approximately 15 to 20 seconds), or until noise level of pump is noticeably reduced. Reduction in pump noise level indicates that hydraulic system is filled with fluid.
- (g) Operate top up and down several times or until operation of top is consistently smooth in both up and down cycles and no further air bubbles are visible in hydraulic fluid lines.
- (h) Recheck fluid level in reservoir and add as necessary.

CAUTION: Do not over fill reservoir.

- (i) Install left side luggage compartment trim panel.

REMOVAL OF TOP STACK HYDRAULIC CYLINDER**1. REMOVE QUARTER TRIM PANEL**

(See page 4-3)

**2. (w/HEADLINER)
UNHOOK HEADLINER STRAP FROM AUXILIARY "B"
PILLAR BRACE****3. REMOVE TOP STACK HYDRAULIC CYLINDER**

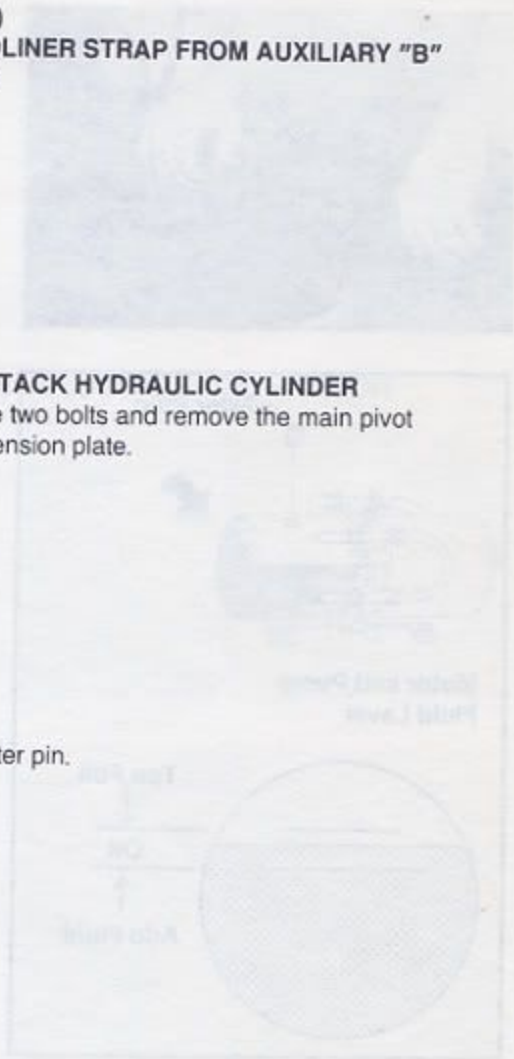
(a) Remove the two bolts and remove the main pivot bracket extension plate.



(b) Remove cotter pin.



(c) Remove cylinder connecting pin.





- (d) Disconnect the hydraulic lines from the cylinder and remove the cylinder.

CAUTION: Place a cloth under cylinder when disconnecting hydraulic lines to absorb any leaking fluid.

INSTALLATION OF TOP STACK HYDRAULIC CYLINDER

1. INSTALL TOP STACK HYDRAULIC CYLINDER

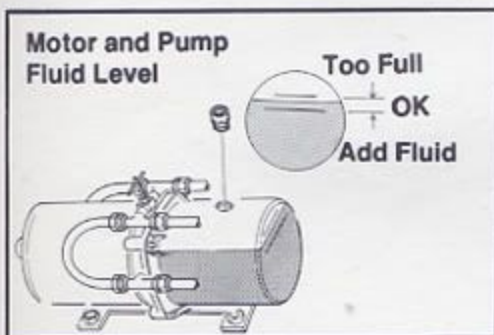
- (a) Connect hydraulic lines to cylinder.



- (b) Install the cylinder to the main pivot bracket.
(c) Install the main pivot bracket extension plate with the two bolts.



- (d) Install the bushings to the top end of the cylinder rod.
(e) Raise or lower the cylinder rod in the position to the rear rail attaching hole by using the top switch to power the rod in position.
(f) Install the cylinder connecting pin.
(g) Install the cotter pin to the cylinder connecting pin.

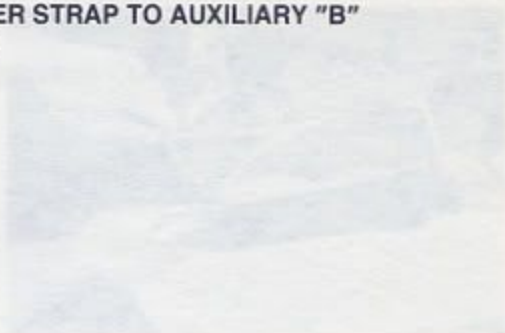


2. CHECK HYDRAULIC SYSTEM FOR LEAKS AND FLUID LEVELS

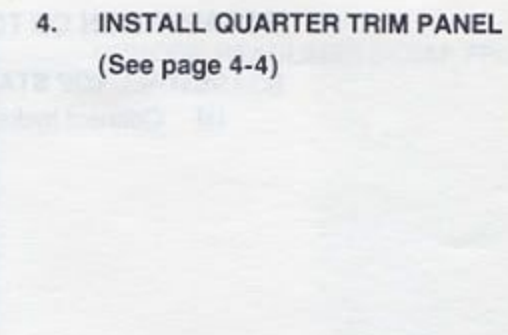
- (a) Operate top through its up and down cycles and check hydraulic line connections for leaks.
(b) Check the fluid level of hydraulic motor and pump assembly reservoir. If the fluid level is between the two marks, it is O.K. If fluid is low, see hydraulic reservoir to add more fluid.



3. HOOK HEADLINER STRAP TO AUXILIARY "B" PILLAR BRACE



4. INSTALL QUARTER TRIM PANEL
(See page 4-4)



HYDRAULIC SYSTEM, CHECKING PROCEDURE

Failures in the hydraulic system can be caused by lack of hydraulic fluid, leaks in the hydraulic system, obstructions or kinks in the hydraulic hoses or faulty operation of a cylinder or the pump.

1. CHECKING HYDRAULIC FLUID LEVEL IN RESERVOIR

- Remove left side luggage compartment trim panel.
- Place absorbent rags below reservoir at filler plug.
- Check level of fluid in the reservoir. Fluid level should be between the two marks on the reservoir.
- If fluid is low, remove filler plug, using SAE 10W motor oil fill reservoir and reinstall filler plug.

CAUTION: Do not overfill reservoir

2. CHECKING OPERATION OF HYDRAULIC CYLINDERS

Operate the top up and down several times and observe the hydraulic cylinders during the "up" and "down" cycles for these following conditions:

- If movement of the cylinders is uncoordinated or sluggish when the top is actuated, check the hydraulic hoses from the motor/pump to the cylinders for kinks.
- If one cylinder rod moves slower than the other, and the hydraulic hoses are free of kinks, then the cylinder having the slower moving rod may be defective.
- Disconnect the cylinders from the top mechanism and operate the cylinders in free motion. If one cylinder rod still moves slower than the other, the cylinder having the slower moving rod is defective and should be replaced.
- If both cylinder rods move slowly or do not move at all, check the pressure of the pump.

NOTE: To insure proper operation of the hydraulic cylinders the hydraulic cylinder rods should be cleaned and lubricated. To perform this operation, raise the top to its "up" position and wipe the exposed portion of each rod with a cloth dampened with a high grade, light industrial white mineral oil to remove any oxidation and/or accumulation of grime.

CAUTION: Exercise care so that fluid does not come in contact with any painted or trim parts of body.

3. CHECKING PRESSURE AT THE PUMP

- Remove the motor/pump assembly from the luggage compartment.
- Install a plug into one side of the pump and a pressure gauge into the side being checked.
- Actuate motor with an applied terminal voltage within the range of 9.5V to 13.5V. Pressure gauge should show a minimum pressure of 2068.4 kPa (300 P.S.I.).
- Check pressure on the opposite side of the pump.

NOTE: A difference in pressure readings may exist between the pressure port for the top of the cylinders and the pressure port for bottom of the cylinders. This condition is acceptable if both readings are within the minimum limit of 2068.4 kPa (300 P.S.I.).

- If pressure is not within specified limit, the motor/pump unit is defective and should be replaced.

CONVERTIBLE TOP ADJUSTMENTS

Page

CONVERTIBLE TOP ADJUSTMENTS- COMPONENTS	14-2
CONVERTIBLE TOP ADJUSTMENTS	14-3



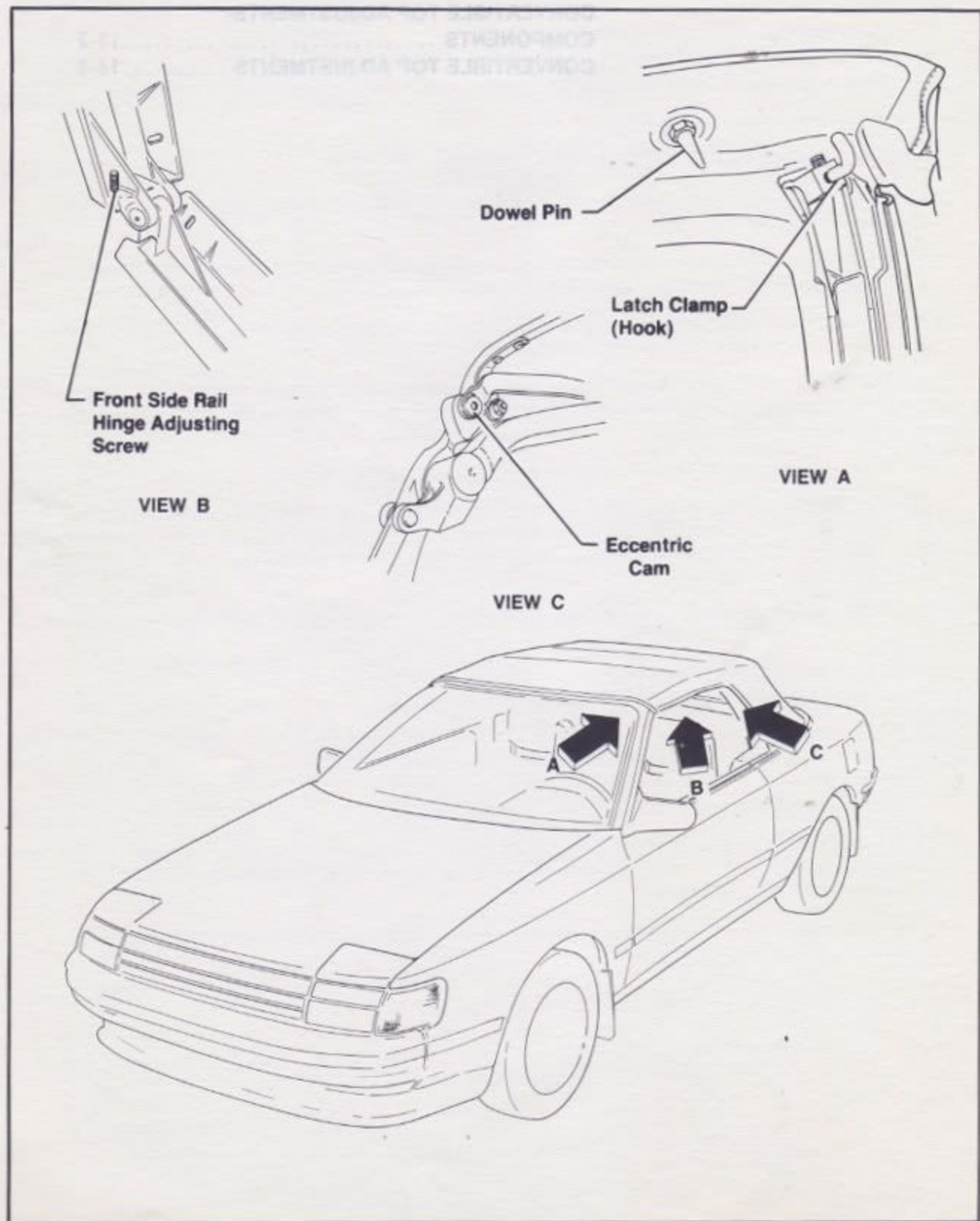
VIEW A

Left Cable
(Hood)Rear Cable
(Hood)

VIEW C



CONVERTIBLE TOP ADJUSTMENTS COMPONENTS



CONVERTIBLE TOP ADJUSTMENTS

The convertible top linkage consists of the No. 1 header bow, side roof rail hinges, connecting links, and bows. The top linkage is attached to the body at the rear quarter area by a stationary main pivot bracket. The convertible top locks to the windshield header by hook type latch clamps.

The main reasons for the convertible top framework not operating correctly are damage and misalignment of linkage.

The following information outlines and illustrates procedures which may be used to correct misaligned convertible top linkage. To correct some top variations, only a single adjustment is required; other top variations require a combination of adjustments. In conjunction with adjustments of the convertible top, it may be necessary to adjust the door, door glass, rear quarter glass and/or side roof rail weatherstrips.

NOTICE: Do not place a heavy weight or force on the convertible top when the mechanism is in either the raised or lowered position. Damage may occur, placing the top mechanism out of alignment.

The alignment of the various components of the convertible top mechanism must be extremely accurate if the top is to operate correctly. It is possible for damage to occur to the convertible top mechanism, placing it out of alignment, if a heavy weight is placed on the convertible top when in either the raised or lowered position, i.e. someone standing or sitting on the convertible top.

If damage has occurred, forcing the pivot points out of alignment, it will be extremely difficult to reset the links (by visually realigning them) and restore them to their correct dimensions. In the event of not being able to obtain the correct alignment, the entire subassembly, of which the affected part is a component, will have to be replaced. If a pivot bolt or link is broken, it must be replaced.



1. ADJUSTMENT OF LATCH CLAMP (HOOK)

- (a) To tighten or increase locking action, loosen set screw and turn latch hook clockwise.
- (b) To reduce or decrease locking action, loosen set screw and turn latch hook counterclockwise.
- (c) Resecure set screw.



2. ADJUSTMENT OF CONTROL LINKAGE

- (a) Unlock top from windshield header.
- (b) Operate top to half-lowered position and loosen front side rail hinge adjustment screws.



- (c) Operate top to raised position. Do not lock top to windshield header.
- (d) Loosen eccentric cam nut, while holding the eccentric cam in position.
- (e) Adjust eccentric cam until No. 1 bow lifts slightly off windshield header and dowel pins are aligned with dowel pin holes in windshield header.
- (f) Tighten eccentric cam nut while holding eccentric cam in position.
- (g) Operate top to lowered position and then raise top to check operation and alignment as No. 1 bow meets windshield header.
- (h) Operate top to half-lowered position and readjust front side rail hinge adjusting screw to maintain a parallel alignment of side rail to top edges of door and quarter glass.
- (i) Raise top to full up position and lock top to windshield header and check alignment of side rails to side glass.

3. ADJUSTMENT OF DOWN STOP

- (a) Unlatch top and lower it all the way down.
- (b) Using a straight edge and a scale, measure and record the distance between the top surface of the front rail to the top surface of the quarter belt molding as shown.

SPECIFICATION: 35 - 45 mm
(1 3/8 - 1 7/8 in.)

DIFFERENCE FROM RIGHT SIDE TO LEFT SIDE MUST BE LESS THAN 5 mm. IF IT REQUIRES ADJUSTMENT PROCEED TO STEP (c).

- (c) Remove quarter trim panels.
- (d) Loosen the lock nut and adjust down stop bolt until height is correct, tighten lock nut.

- (e) Cycle the top to its full up position and then to its full down position.
- (f) Measure the distance between the top surface of the front rail to the top surface of the quarter belt molding.

SPECIFICATION: 35 - 45 mm
(1 3/8 - 1 7/8 in.)

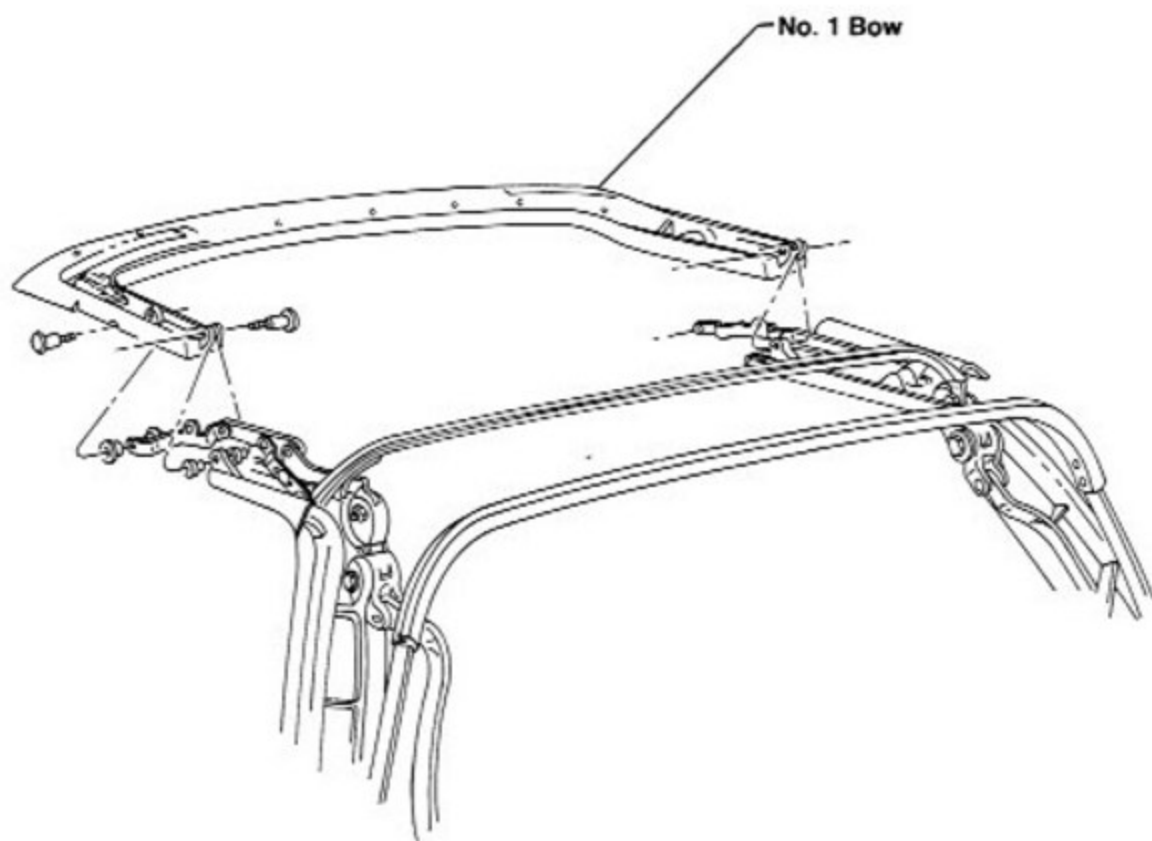
DIFFERENCE FROM RIGHT SIDE TO LEFT SIDE MUST BE LESS THAN 5 mm. IF ADDITIONAL ADJUSTMENTS ARE REQUIRED REPEAT STEP (d).

- (g) Install quarter trim panel.

NO. 1 BOW

	Page
NO. 1 BOW-COMPONENTS	15-2
REMOVAL OF NO. 1 BOW	15-3
INSTALLATION OF NO. 1 BOW	15-5

NO: 1 BOW COMPONENTS



REMOVAL OF NO. 1 BOW**1. (w/HEADLINER)
REMOVE HEADLINER FROM NO. 1 AND NO. 2 BOWS**

- (a) Unlatch the top and lower it halfway.
- (b) Remove the eight screws from No. 1 bow retainer.



- (c) Detach headliner from No. 2 bow.

2. REMOVE FRONT HEADER WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES

Remove the two nuts/washers and screw and remove the front rail weatherstrip retainer.

**3. REMOVE TOP COVER RETAINER ASSEMBLY**

Remove the nine screws and remove the top cover retainer assembly.

**4. DETACH TOP COVER FROM NO. 1 BOW**

- (a) Using a suitable sharp pencil, mark position of top cover along No. 1 bow forward edge.
- (b) Pull top cover to break cement bond.





5. **REMOVE SIDE RETENTION CABLES FROM FRONT SIDE RAILS**



6. **REMOVE SIDE STAY PADS FROM NO. 1 BOW**
- Raise the top to the windshield header.
 - Fold top cover material back over No. 2 bow.
 - Using a drill with a 1/8 inch (3.2 mm) drill bit, remove the seven rivets on each stay pad and remove the stay pad.



7. **REMOVE NO. 1 BOW**
- Remove the bolts on each side retaining the side rail linkage to the No. 1 bow .
 - Lift and push link arm rearward and remove the bushings.



- Remove the bolts on each side retaining the No. 1 bow front side rail to the center side rail and remove the No. 1 bow.

INSTALLATION OF NO. 1 BOW**1. INSTALL NO. 1 BOW**

- (a) Position the No. 1 bow front side rails to the center side rails and install the bolt on each side.
- (b) Install the bushings to the link arm and push the linkage into position to the No. 1 bow.
- (c) Install the bolts on each side.

**2. INSTALL SIDE STAY PAD TO NO. 1 BOW**

Position the side stay pad to the No. 1 bow and install seven (1/8 inch by 3/8 inch aluminum) rivets.

NOTE: Avoid stretching, but keep material flat during rivet installation.

**3. INSTALL SIDE RETENTION CABLES TO FRONT SIDE RAILS**

Lower the top halfway and install the end of the cable into the front side rail with the screw.

**4. INSTALL TOP COVER TO NO. 1 BOW**

- (a) Carefully apply nitrile cement or neoprene weatherstrip adhesive to cementing area of No. 1 bow and front side rails and corresponding surfaces of top cover and to front corner flaps.
- (b) Install top cover to No. 1 bow according to reference marks.





- (c) Align sides of top cover with side rails and install top cover flaps to the front rails.



5. INSTALL TOP COVER RETAINER ASSEMBLY

Position top cover retainer assembly to the No. 1 bow and install the nine screws.



6. INSTALL FRONT RAIL WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES

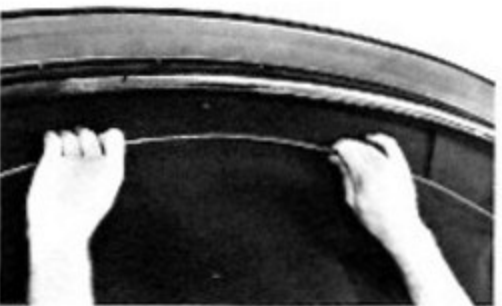
Position front rail weatherstrip retainers to the front side rails and install the two washers/nuts and screws to each retainer.



7. (w/HEADLINER)

INSTALL HEADLINER TO NO. 2 BOW AND NO. 1 BOW

(a) Attach headliner to the No. 2 bow.



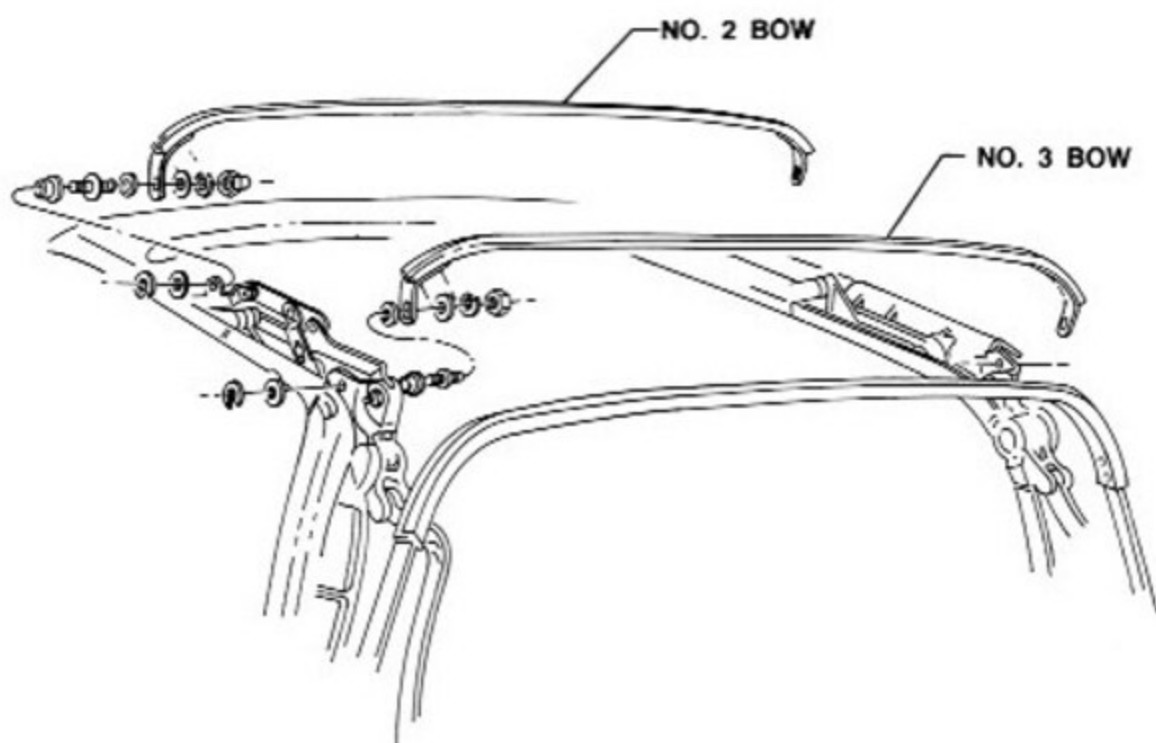
(b) Position No. 1 bow headliner retainer to No. 1 bow.

(c) Install the eight screws.

NO. 2 AND NO. 3 BOWS

	Page
NO. 2 AND NO. 3 BOWS-COMPONENTS	16-2
REMOVAL OF NO. 2 AND/OR NO. 3 BOW(S)	16-3
INSTALLATION OF NO. 2 AND/OR NO. 3 BOW(S)	16-5

NO. 2 AND NO. 3 BOWS COMPONENTS



REMOVAL OF NO. 2 AND/OR NO. 3 BOW(S)**1. (w/HEADLINER)****REMOVE HEADLINER FROM NO. 1 BOW**

- (a) Unlatch the top and lower it halfway.
- (b) Remove the eight screws from No. 1 bow retainer.

**2. DETACH HEADLINER FROM NO. 2 AND NO. 3 BOWS****3. REMOVE FRONT RAIL WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES**

Remove the two nuts/washers and screw and remove the front rail weatherstrip retainer.

**4. REMOVE TOP COVER RETAINER ASSEMBLY**

Remove the nine screws and remove the top cover retainer assembly.

**5. DETACH TOP COVER FROM NO. 1 BOW**

Pull top cover to break cement bond.



6. DETACH TOP COVER FLAPS FROM FRONT RAILS

Pull flaps to break cement bond,



7. REMOVE TOP COVER RETAINERS FROM NO. 2 AND NO. 3 BOW LISTING POCKETS

(a) Remove the six screws on each bow.



(b) Push top cover rearward away from No. 2 and No. 3 bows.

(c) Slide top cover retainers out of listing pockets to remove them.



8. REMOVE SIDE RETENTION CABLES FROM FRONT SIDE RAILS

Remove the screw.



9. MARK REFERENCE POINTS ON TOP STAY PADS

(a) Raise the top to the windshield header.

(b) Fold top cover material back over No. 4 bow.

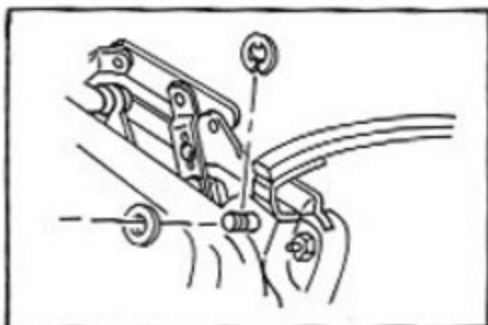
(c) Using a suitable sharp pencil, accurately mark the location of the No. 2 and/or No. 3 bow forward and rearward edges on the top side of the stay pads.



10. DETACH SIDE STAY PADS FROM NO. 2 AND/OR NO. 3 BOW(S)

Using an awl, remove staples retaining the side stay pads to the No. 2 and/or No. 3 bow(s).

NOTE: Before removal, note location and spacing of staples.



11. REMOVE NO. 2 AND/OR NO. 3 BOW(S)

Remove the "E" ring retainer and washer at each end of the bow and remove the bow.



INSTALLATION OF NO. 2 AND/OR NO. 3 BOW(S)

1. INSTALL NO. 2 AND/OR NO. 3 BOW(S)

Install the bow(s) to the side rails and install the washer and "E" ring retainer at each end of the bow.



2. INSTALL TOP STAY PADS TO NO. 2 AND/OR NO. 3 BOW(S)

- (a) Position bow(s) to stay pads according to reference marks.
- (b) Tack stay pads to No. 2 and/or No. 3 bow(s) from inner edge to center of stay pad.

NOTE: Tacks must be installed in a straight line. Space between tacks must not exceed 1/2 inch (12 mm).



3. INSTALL SIDE RETENTION CABLES TO FRONT SIDE RAILS

- (a) Position top cover over top stack framework.
- (b) Lower the top halfway and install the end of the cable into the front side rail with the screw.



4. INSTALL NO. 2 AND NO. 3 BOW RETAINERS

- (a) Insert bow retainers into top cover listing pockets.



- (b) Position bow retainers to each bow and install the six screws to each bow.



5. INSTALL TOP COVER TO NO. 1 BOW

- (a) Raise the top and latch it to the windshield header.
 (b) Pull top cover straight forward at seams to desired top fullness.
 (c) While maintaining tension on the top cover over No. 1 bow, make a pencil mark on the top cover outer surface along the forward edge of the No. 1 bow.



- (d) Lower the top halfway and carefully apply nitrile cement or neoprene weatherstrip adhesive to cementing area of No. 1 bow and front side rails and to corresponding surfaces of top cover and to front corner flaps.
 (e) Secure top cover to No. 1 bow by pulling top cover reference marks slightly beyond target so that pencil marks will be slightly under front edge of No. 1 bow.



- (f) Align sides of top cover with side rails and secure top cover flaps to the front rails.



- (g) Raise the top and latch it to windshield header. Check appearance of top cover, top operation and latching effort of top.

NOTE: If additional tension is needed in top cover, repeat step (e) and pull top cover further forward.

- (h) Trim off excess material from No. 1 bow.



6. INSTALL TOP COVER RETAINER ASSEMBLY

Position top cover retainer assembly to the No. 1 bow and install the nine screws.



7. INSTALL FRONT RAIL WEATHERSTRIP AND FRONT RAIL WEATHERSTRIP RETAINER ASSEMBLIES

Position front rail weatherstrip retainers to the front side rails and install the two washers/nuts and screw to each retainer.



**8. (w/HEADLINER)
ATTACH HEADLINER TO NO. 2 AND NO. 3 BOWS**



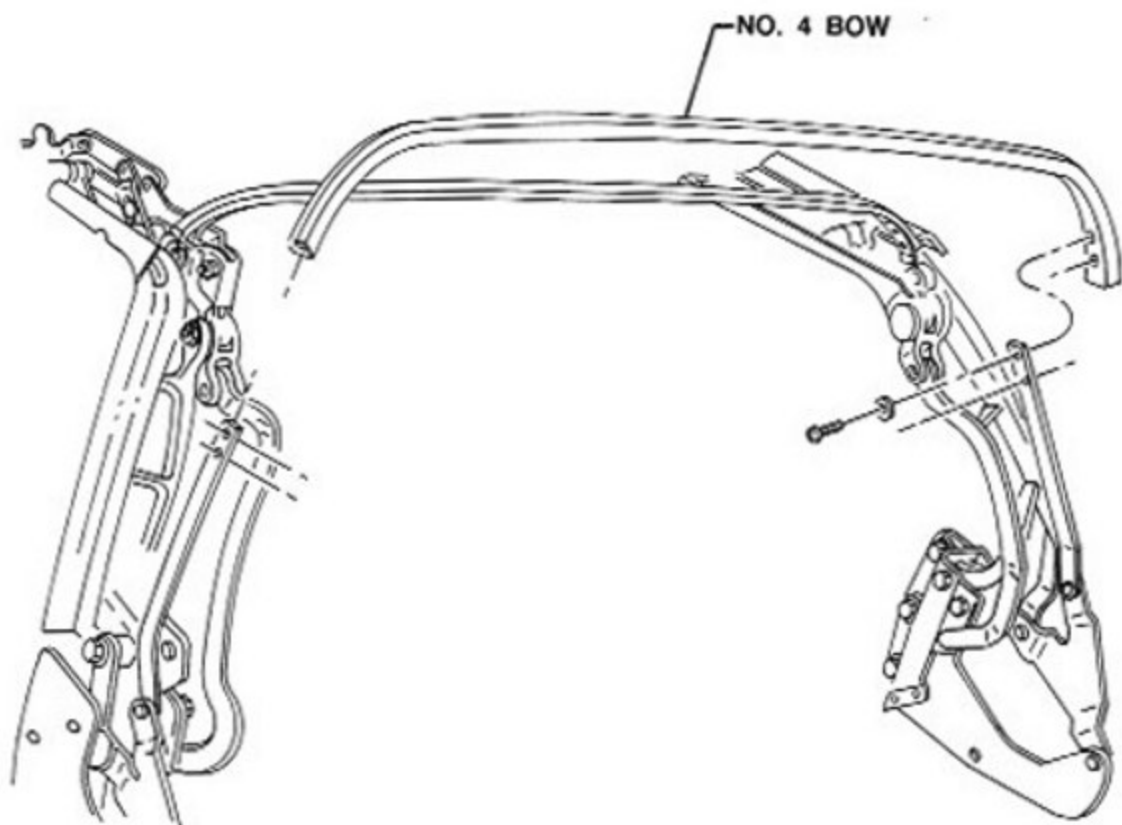
9. INSTALL HEADLINER TO NO. 1 BOW

- (a) Position No. 1 bow headliner retainer to No. 1 bow.
(b) Install the eight screws.

NO. 4 BOW

	Page
NO. 4 BOW-COMPONENTS	17-2
REMOVAL OF NO. 4 BOW	17-3
INSTALLATION OF NO. 4 BOW	17-7

NO. 4 BOW COMPONENTS



REMOVAL OF NO. 4 BOW

CAREFULLY TAPE PROTECTIVE COVER TO QUARTER AND BACK BELT MOLDINGS TO PROTECT THE DECK LID AND BODY.

1. (w/HEADLINER)
REMOVE HEADLINER
(See page 9-3)
2. REMOVE BACKLITE ASSEMBLY
(See page 11-3)
3. REMOVE BELT TACKING STRIP ASSEMBLY
 - (a) Remove the remaining four nuts and two bolts.



- (b) Pull both forward ends of the belt tacking strips inboard to clear the quarter mounting studs.
- (c) Pull the complete tacking strip assembly forward to clear the rear mounting studs.
- (d) Push the tacking strip assembly to one side to allow clearance.
- (e) Raise one corner of tacking strip from the body. Then lift the remainder of the tacking strip assembly above the belt line.

4. **MARK REFERENCE POINTS ON TOP COVER**

Perform the following operation on the deck of the vehicle.

- (a) Using a suitable sharp pencil, accurately mark the location of the complete belt tacking strip assembly. Mark upper and lower edges on the outer surface of the top cover.



- (b) Mark the location of the inner vertical edges of top cover on the belt tacking strip assembly.



5. DETACH TOP COVER FROM BELT TACKING STRIP ASSEMBLY

Using an awl, remove staples retaining top cover to belt tacking strip.

NOTE: Before removal, note location and spacing of staples.



6. REMOVE TOP COVER FROM NO. 4 BOW

- (a) Fold top cover (rear sail material) back over the No. 4 bow.
 (b) Remove No. 4 bow feature strip outer isolator by pulling the isolator out of the feature strip retainer.



- (c) Remove No. 4 bow feature strip insert by pulling the insert out of the No. 4 bow feature strip retainer.



- (d) Detach top material from the No. 4 bow by pulling the No. 4 bow feature strip out of the No. 4 bow feature strip retainer.

**7. REMOVE NO. 4 BOW FEATURE STRIP RETAINER**

Using a drill with a 1/8 inch (3.2 mm) drill bit, remove the eight rivets and remove the retainer.

**8. MARK REFERENCE POINTS ON REAR STAY PADS**

Using a suitable sharp pencil, accurately mark the location of the rear edge of the No. 4 bow on the top side of the stay pad.

**9. DETACH REAR STAY PADS FROM NO. 4 BOW**

Using an awl, remove staples retaining the rear stay pads to the No. 4 bow.

NOTE: Before removal, note location and spacing of staples.

**10. MARK REFERENCE POINTS ON BACKLITE UPPER ZIPPER**

Using a suitable sharp pencil, accurately mark the location of the rear edge and center of the No. 4 bow on the top side of the backlite upper zipper.

**11. REMOVE BACKLITE UPPER ZIPPER FROM NO. 4 BOW**

Using an awl, remove staples retaining backlite upper zipper to No. 4 bow.

NOTE: Before removal, note location and spacing of staples.

**12. MARK REFERENCE POINTS ON SIDE STAY PADS**

Using a suitable sharp pencil, accurately mark the location of the front edge of the No. 4 bow on the top of the stay pad.

**13. DETACH SIDE STAY PADS FROM NO. 4 BOW**

Using an awl, remove staples retaining stay pads to No. 4 bow.

NOTE: Before removal, note location and spacing of staples.

**14. REMOVE NO. 4 BOW**

Remove the two screws at each end of the No. 4 bow and remove bow.

INSTALLATION OF NO. 4 BOW**1. INSTALL NO. 4 BOW**

Position the No. 4 bow to the No. 4 bow control links and install the two screws at each end.

**2. INSTALL SIDE STAY PADS TO NO. 4 BOW**

(a) Position side stay pads to the No. 4 bow according to reference marks.

(b) Tack the side stay pads to the No. 4 bow.

NOTE: Avoid excess stretching but keep material flat during tacking operation.

**3. INSTALL BACKLITE UPPER ZIPPER TO NO. 4 BOW**

(a) Position backlite upper zipper to the No. 4 bow according to reference marks.

(b) Tack the backlite upper zipper to the No. 4 bow starting at center and working towards each end.

NOTE: Avoid excess stretching, but keep material flat during tacking operation. Tacks must be installed in a straight line in the center of the bow.

**4. INSTALL REAR STAY PADS TO NO. 4 BOW**

(a) Position rear stay pads to the No. 4 bow according to reference marks.

(b) Tack the rear stay pads to the No. 4 bow.

NOTE: Avoid excess stretching, but keep material flat during tacking operation.

**5. INSTALL NO. 4 BOW FEATURE STRIP RETAINER**

Position the No. 4 bow retainer to the No. 4 bow and install the eight rivets (1/8 inch x 1/2 inch stainless steel).



**6. INSTALL TOP COVER TO NO. 4 BOW**

- (a) Fold top cover (rear sail material) back over the No. 4 bow.
- (b) Align the No. 4 bow feature strip to the No. 4 bow feature strip retainer.
- (c) Engage the No. 4 bow feature strip into the No. 4 bow feature strip retainer, starting at one end working toward the other end.

**7. INSTALL NO. 4 BOW FEATURE STRIP INSERT**

- Insert the No. 4 bow feature strip insert into the No. 4 bow feature strip retainer.

**8. INSTALL NO. 4 BOW FEATURE STRIP OUTER ISOLATOR****9. INSTALL TOP COVER TO BELT TACKING STRIP ASSEMBLY**

- (a) Position and locate top cover to belt tacking strip according to reference marks.



- (b) Tack top cover to belt tacking strip starting from top cover inner verticle edge reference mark on tacking strip assembly towards the front.

NOTE: Avoid excessive stretching, but keep material flat during tacking operation.



- (c) Cut or pierce holes in top cover along belt tacking strip for tacking strip attaching studs and bolts.
- (d) Trim off excess material to within 1/2 inch of lower edge of belt tacking strip.



10. INSTALL BELT TACKING STRIP ASSEMBLY

- (a) Raise top slightly off windshield header.
- (b) Lower one corner of belt tacking strip assembly into body.
- (c) Lower the remainder of the belt tacking strip assembly into body.



- (d) Position belt tacking strip assembly to attaching studs and install the four nuts and two bolts.

11. INSTALL BACKLITE ASSEMBLY (See page 11-4)

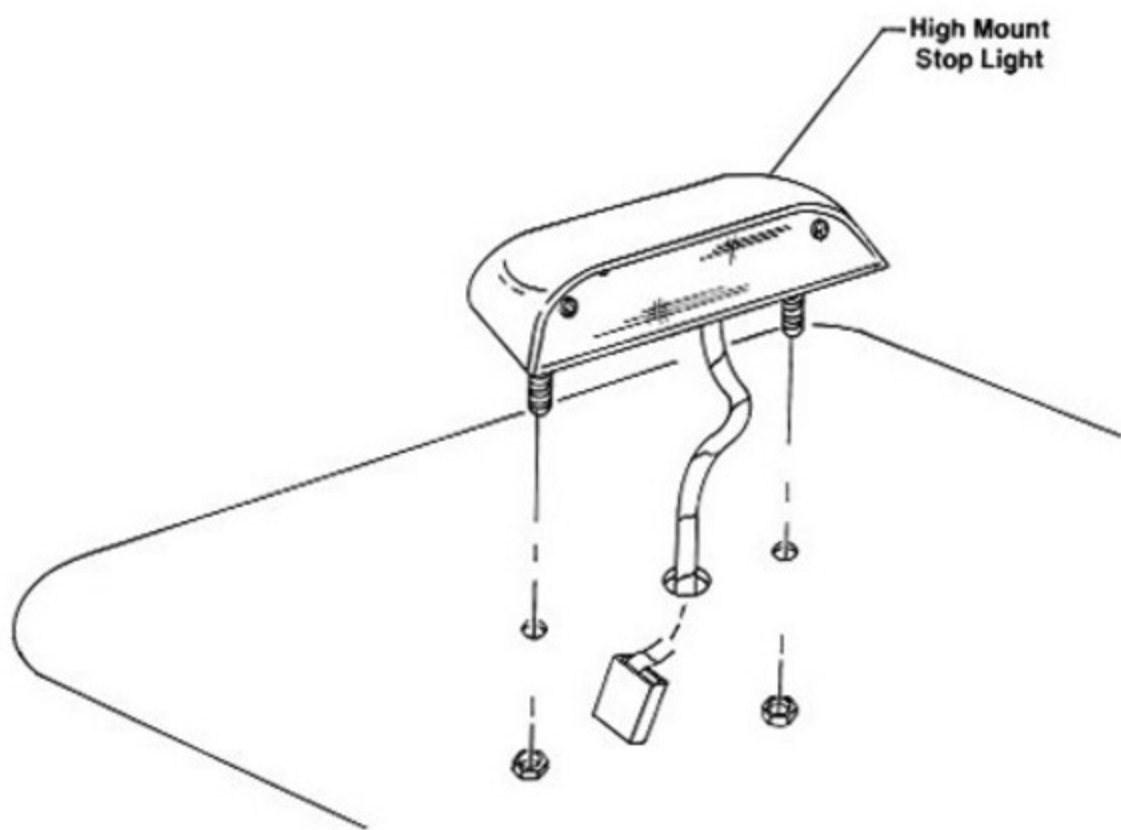
12. (w/HEADLINER) INSTALL HEADLINER (See page 9-4)

13. WHEN COMPLETE, CLEAN UP TOP MATERIAL AND CAR AS REQUIRED

HIGH MOUNT STOP LIGHT

	Page
HIGH MOUNT STOP LIGHT-COMPONENTS	18-2
REMOVAL OF HIGH MOUNT STOP LIGHT	18-3
INSTALLATION OF HIGH MOUNT STOP LIGHT	18-3

HIGH MOUNT STOP LIGHT COMPONENTS

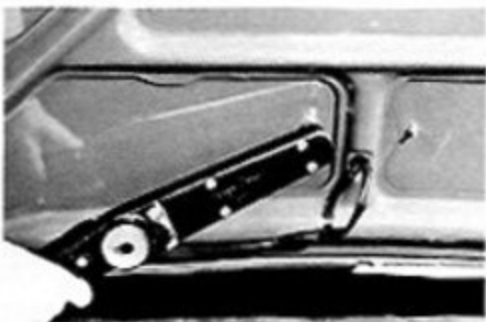


**REMOVAL OF HIGH MOUNT STOP LIGHT****1. REMOVE HIGH MOUNT STOP LIGHT**

- (a) Disconnect the wire connector.
- (b) Detach wire harness from luggage compartment lid.



- (c) Remove the two nuts and high mount stop light.

**INSTALLATION OF HIGH MOUNT STOP LIGHT****1. INSTALL HIGH MOUNT STOP LIGHT**

- (a) Install high mount stop light to luggage compartment lid.
- (b) Install the two nuts and torque nuts.

Torque: 20 kg-cm (18 in.-lb, 2 N-m)

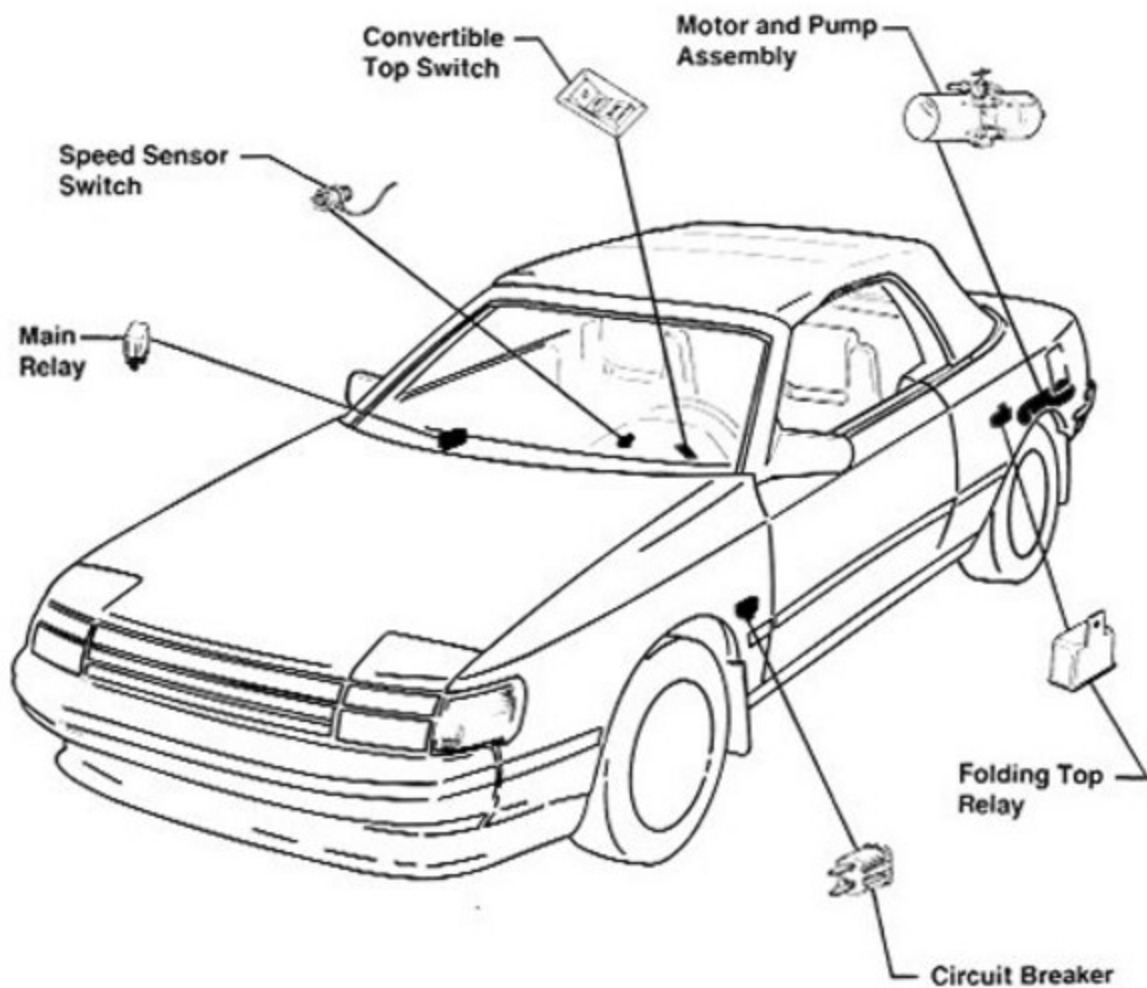


- (c) Attach wire harness to luggage compartment lid.
- (d) Connect the wire connector.

ELECTRICAL TROUBLESHOOTING

	Page
ELECTRICAL TROUBLESHOOTING- COMPONENTS	19-2
ELECTRICAL TROUBLESHOOTING	19-3

ELECTRICAL TROUBLESHOOTING COMPONENTS



CONVERTIBLE TOP ELECTRICAL SYSTEM

The convertible top circuit is controlled by the convertible top main relay, which is activated when the ignition switch is turned "ON". The circuit is deactivated when either the ignition switch is turned "OFF" or by the speed sensor switch when the vehicle is in motion.

By activating the convertible top switch to either raise or lower the convertible top, with the ignition "ON" and the vehicle stopped, the convertible top main relay will feed power to the folding top relay. Once the folding top relay is activated to either raise or lower the convertible top, the relay will feed power to the motor and pump assembly. When the motor and pump assembly is activated this causes the pump to rotate, either clockwise to raise or counterclockwise to lower the convertible top, forcing the fluid to flow through the hose assembly to the cylinders to either raise or lower the convertible top.

Troubleshooting

Problem	Possible cause	Remedy
Top does not work	Circuit breaker tripped Convertible top switch faulty Main relay faulty Folding top relay faulty Motor and pump assembly faulty Speed sensor switch faulty Wiring or ground faulty	Reset circuit breaker and check for a short Check convertible top switch Check main relay Check folding top relay Check motor and pump assembly Check speed sensor switch Repair as necessary

Prepared by

ASC Incorporated

for

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

U.S.A. Service Department

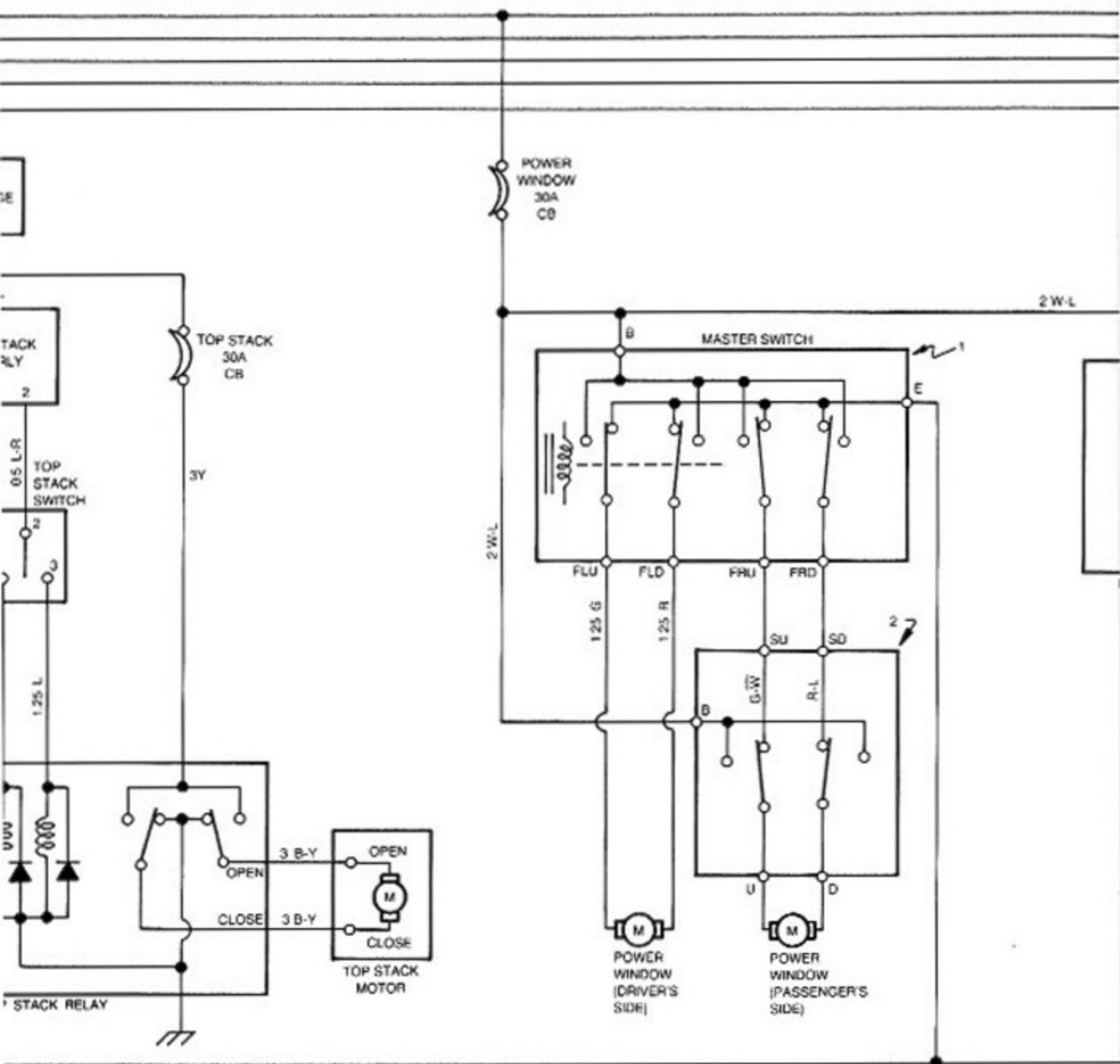
First Issue: August 11, 1986

Publication No. 00400-RMO42-S

Printed in U.S.A.

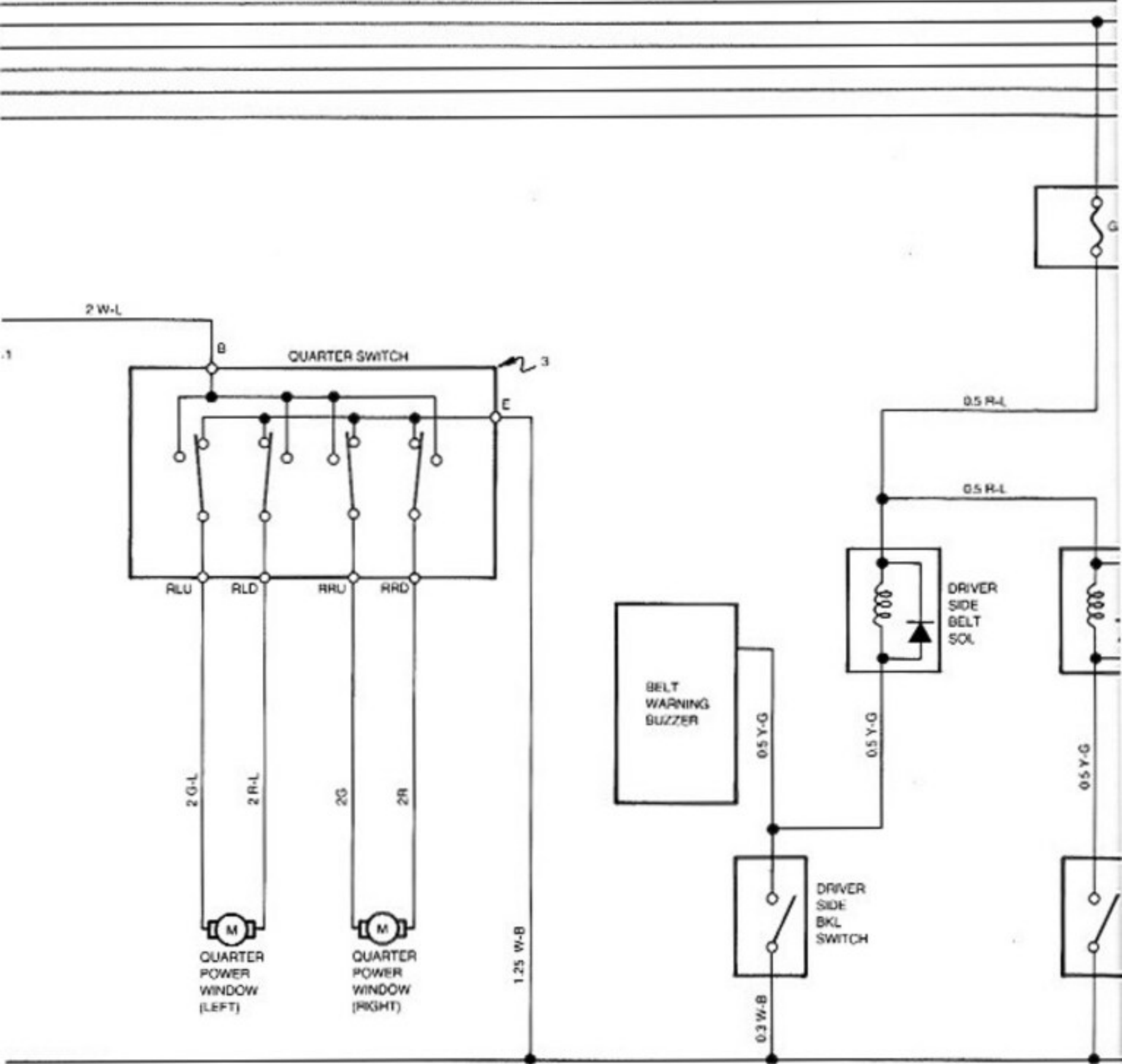


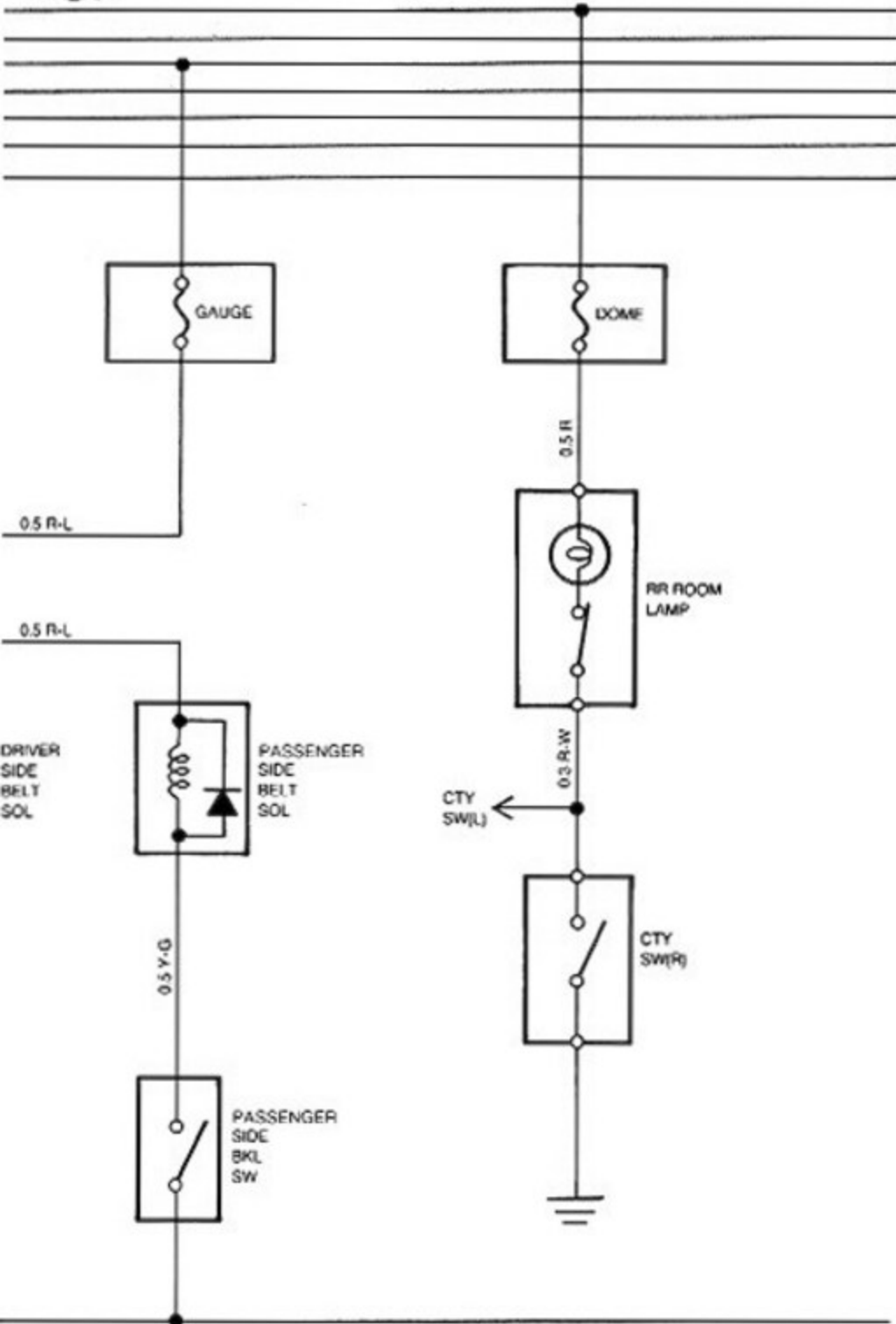
Power Window

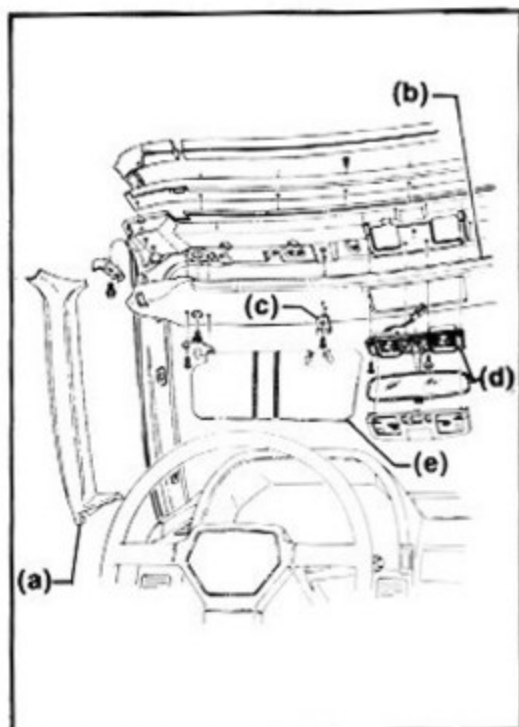




Seat B







INSTALLATION OF WINDSHIELD HEADER TRIM IN THE FOLLOWING ORDER:

- (a) "A" pillar garnish moldings.
- (b) Windshield header garnish molding.
- (c) Sun visor holders.
- (d) Lamp and mirror assembly.
- (e) Sun visors.