

## SECTION 7-E

### FOLDING TOP TRIM ASSEMBLY

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### 7-9 REMOVAL AND INSTALLATION OF FOLDING TOP TRIM ASSEMBLY

#### a. Description

The folding top trim on 1961 convertibles, although attached in a manner similar to that used on past models, requires a new installation procedure. The folding top trim is no longer attached in two sections to the rear roof bow. The top trim is now one continuous piece of material. This design change will eliminate some sealing operations which were previously performed on past models at the rear roof bow. The materials which are required for performing convertible top sealing operations are a neoprene-type weatherstrip adhesive for cementing vinyl surfaces and convertible top sealer (nitrile type) for sealing the cloth inner lining of the top material. The latter material may be obtained through the Car Division Parts System.

#### b. Removal of Folding Top Trim Assembly

1. Place protective covers on all exposed panels which may be contacted during procedure.
2. Remove following trim and hardware items:
  - a. Rear seat cushion and back. (Caution: Disconnect rear seat speaker wire if present.)
  - b. Folding top compartment side trim panel assemblies.
  - c. Side roof rail rear weatherstrips; then loosen folding top quarter flaps from rail.
3. At front of body, raise front roof rail, remove retainers and front weatherstrips and detach top material from front roof rail (see Figure 7-21).

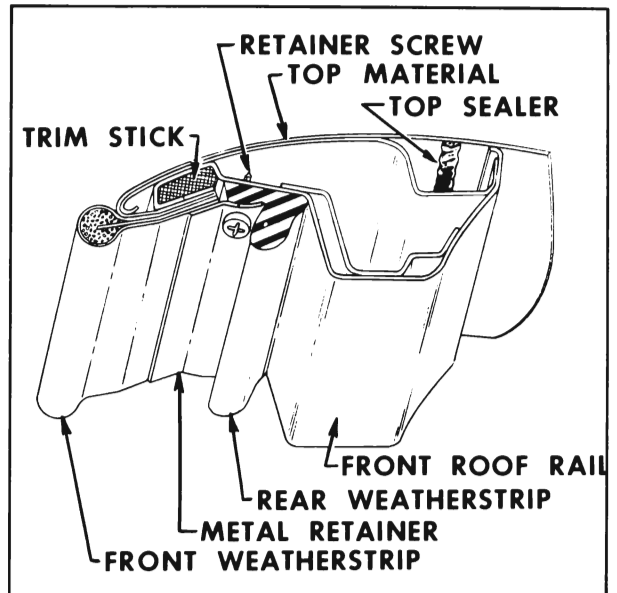


Figure 7-21—Front Roof Rail

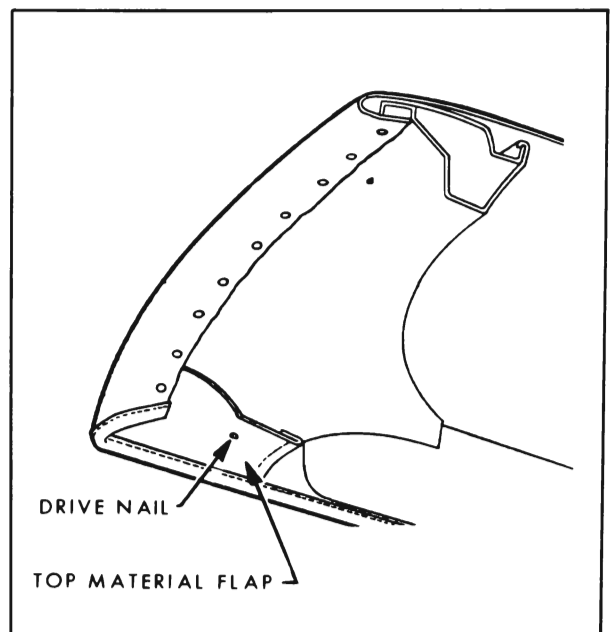


Figure 7-22—Top Material at Front Roof Rail

4. Loosen front end of each side roof rail front weatherstrip sufficiently to detach top material flaps which are nailed and cemented to rails (see Figure 7-22).

5. Detach folding top compartment bag from rear seat back panel, thus exposing rear quarter and rear trim stick attaching bolts. Forward end of top compartment bag may be tied or wired to center roof bow to provide ready access to attaching bolts (see Figure 7-23).

6. At each rear quarter area remove attaching bolts and washers securing rear quarter trim stick assembly to rear quarter inner panel (see Figure 7-24).

7. Remove rear trim stick attaching bolts; then lift trim assembly with attached quarter and rear trim sticks on top of rear compartment front panel.

8. To establish the relationship of the old top material to its position on rear trim stick, cut selvage end of top material off flush with lower edge of trim stick.

**CAUTION:** When cutting top material, be careful not to cut selvage edge of back curtain lower panel.

9. Using a pencil, mark both ends of rear and rear quarter trim sticks on vinyl surface of top material. Reference marks for trim sticks should be transferred to new top material when step 30 of installation procedure is performed.

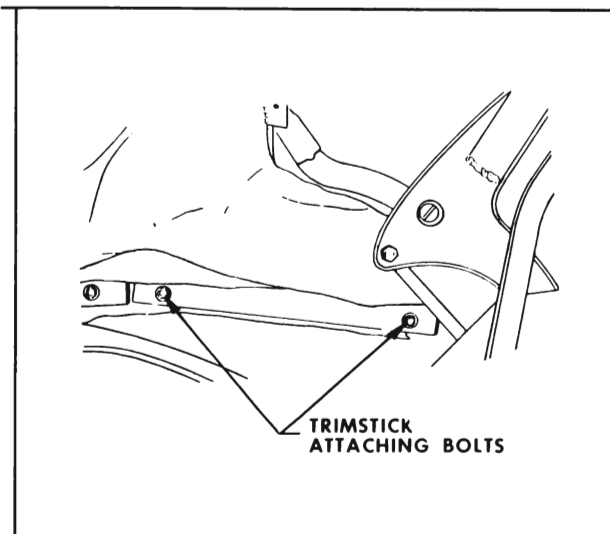


Figure 7-24—Rear Quarter Trim Stick

10. Remove screw securing escutcheon clip at each end of wire-on binding on rear bow. Remove wire-on binding from rear bow. Detach top material from rear roof bow and from trim sticks, then remove top cover assembly.

11. Lock top to windshield header. Install radius end of each adjustable spacer stick to fit against center roof bow. Install opposite end of spacer stick so that metal plate fits under rear roof bow (see Figure 7-25). Spacer sticks should be installed along inboard edge of side stay pad or approximately 21" outboard from centerline dimple of rear roof bow (see Figure 7-25). While exerting rearward pressure on rear bow to draw side stay pads taut,

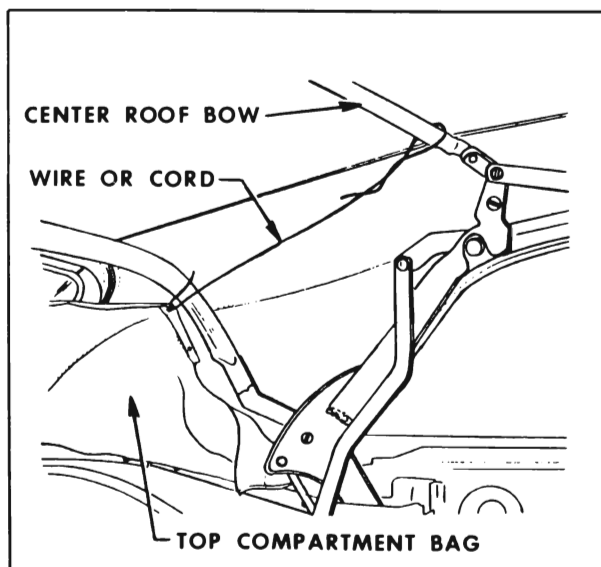


Figure 7-23—Top Bag Tied to Center Roof Bow

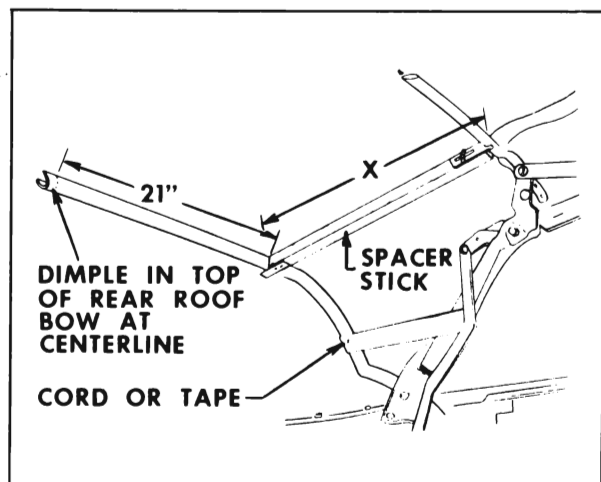


Figure 7-25—Installation of Spacer Stick

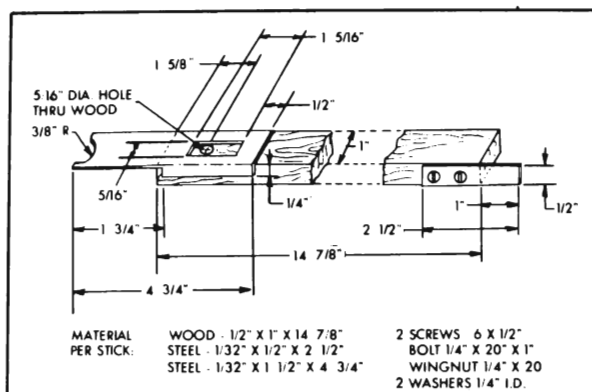


Figure 7-26—Spacer Stick

extend spacer sticks until they fit snug between center bow and rear roof bow, then tighten wing nuts.

**NOTE:** Spacer sticks may be made as shown in Figure 7-26.

12. Temporarily tie or tape rear bow to rear side roof rails (see Figure 7-25). Detach side stay pads and back curtain with integral quarter stay pads from rear bow.

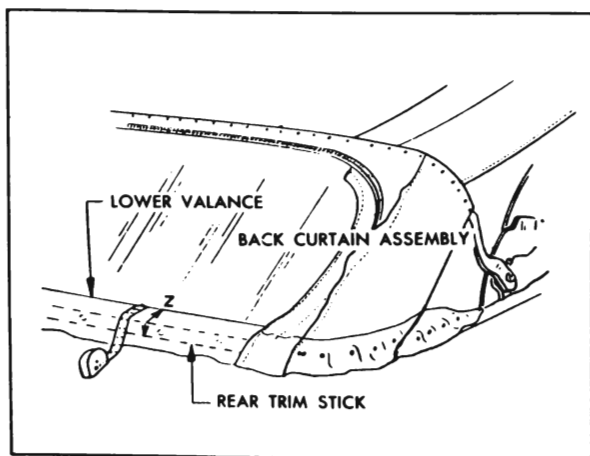


Figure 7-27—Measuring Back Curtain

13. Remove rear trim stick with attached back curtain assembly and top compartment bag from body and place on clean surface. Measure and record dimension "Z" between lower surface of rear trim stick and upper edge of back curtain lower valance (see Figure 7-27). Back curtain assembly may now be detached from rear trim stick.

14. Remove side stay pads. Stay pads are attached to front roof rail and front and rear bows with tacks; to center bow with screws.

### c. Installation of Folding Top Trim

1. If new top is being installed but it was impossible to perform step 11 of removal procedure, preset spacer sticks to shortest length and install between center and rear roof bow (see Figure 7-25). Adjust sticks so that dimension "X" in Figure 7-25 (measured along spacer stick from front upper rolled edge of rear roof bow to center of center bow) is approximately 16-1/4". Tie or tape rear bow to rear side roof rails.

2. In all cases, dimension "X", previously described, must be between 16" and 16-1/2" and equal on both sides. This dimension may be changed slightly within tolerances to correspond with new top after tryout.

3. Tack side stay pads in conventional manner to rear roof bow. Stay tack pads to front roof rail and front bow (see Figure 7-28). Install stay pad wadding in conventional manner using an approved trim cement.

4. Trim selvage end of side stay pads just forward of rear rolled edge of rear roof bow (see Figure 7-29).

5. Distance from center of center bow to rolled forward upper edge of rear roof bow is 16-1/4" ( $\pm 1/4$ "). Readjust spacer sticks and side roof rail pads as required if rear bow does not come within this position range (see Figure 7-29).

6. Place back curtain window assembly on clean covered work bench with exterior (vinyl) surface of back window valance facing upward. (Large pliable back window must be handled carefully to avoid possible damage due to scratches, abrasions, etc.) Using hand oiler, apply bead of neoprene-type weatherstrip adhesive to both stitches which secure back

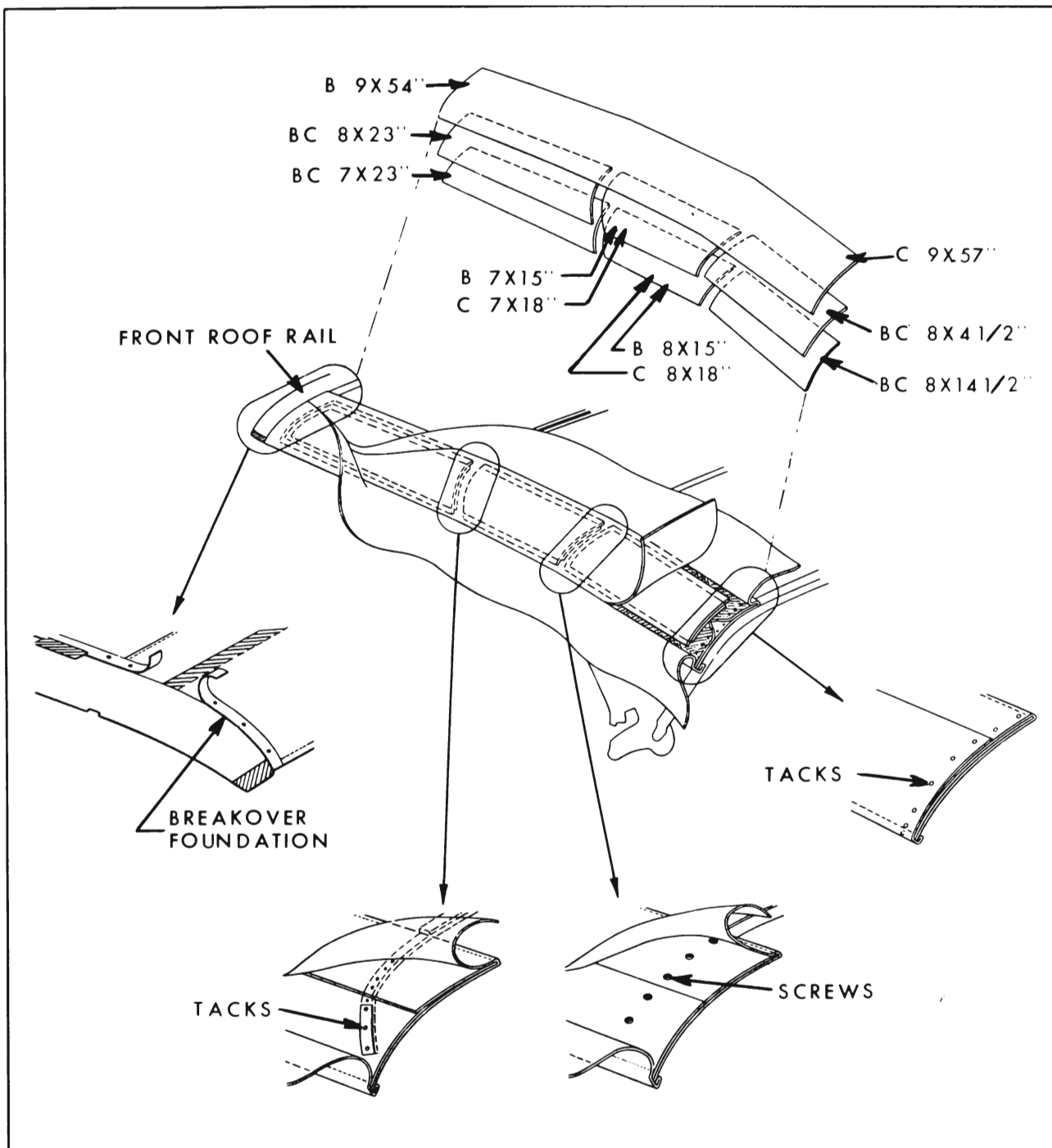


Figure 7-28—Installation of Side Stay Pads

window to zipper and back curtain water deflector (see Figure 7-30).

7. Apply neoprene-type weatherstrip adhesive to stitches which secure back curtain water deflector along outboard edge of deflector (see view "A", Figure 7-31).

8. After sealer has dried, turn back window assembly over with exterior (vinyl) surface of back window valance facing down. Apply bead of convertible top sealer along lower edge of back window curtain inner layer in area which will be tacked to rear trim stick (see Figure 7-32).

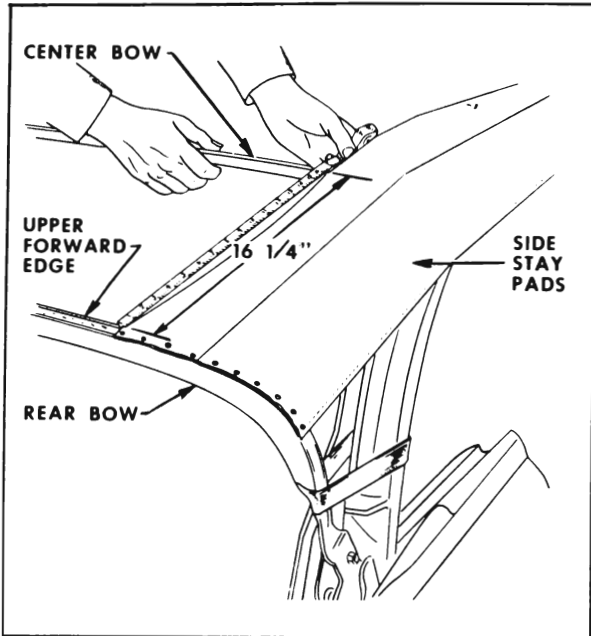


Figure 7-29—Position of Rear Bow

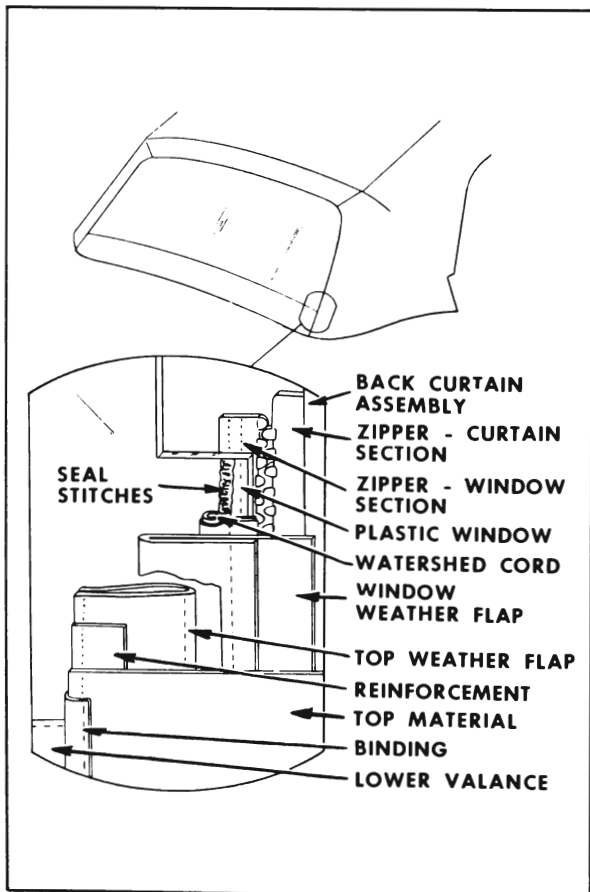


Figure 7-30—Back Curtain Sealing

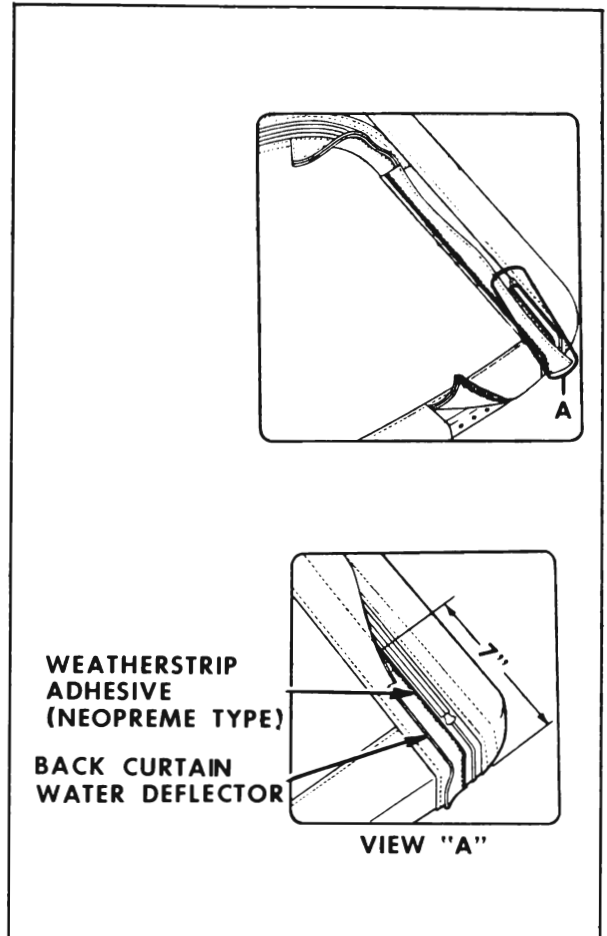


Figure 7-31—Back Curtain Sealing

9. Check back curtain stay pad watershed for proper installation to rear trim stick (see Figure 7-33). A new watershed may be made from a vinyl coated material as shown in Figure 7-33. Place vinyl coated side of material against trim stick, 29 inches from center of trim stick; then tack material in position. Bottom portion of watershed is wrapped upward and around lower edge of back curtain integral stay pad after pad has been installed, and securely tacked to trim stick. The watershed is designed to protect lower edge of stay pad from wicking water.

10. Center and position back curtain assembly to rear trim stick over attached top compartment bag. Distance between lower surface of trim stick and upper edge of back curtain lower valance inner layer should correspond to dimension "Z" of old back curtain. (See step 13 of removal procedure.) Dimension should not exceed 3 inches in area below back

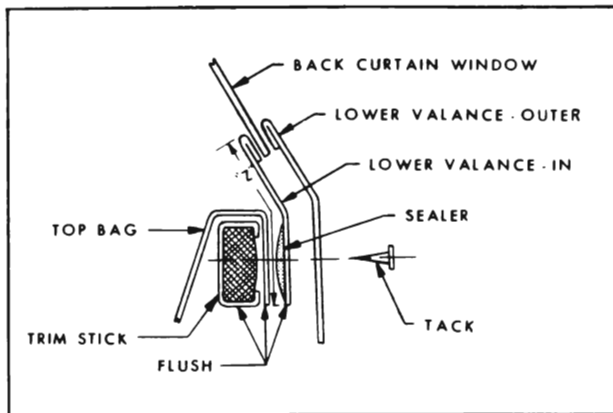


Figure 7-32—Back Curtain Bench Operation

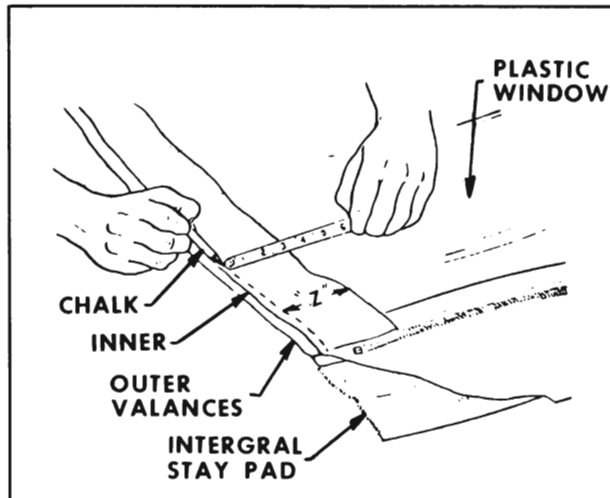


Figure 7-34—Positioning Back Curtain

curtain window (between offset located at right and left radii of rear trim stick, Figure 7-34). This dimension can be readily maintained during tacking operations by first placing chalk mark on cloth lining surface of valance inner layer or marking vinyl surface of top material along lower edge of trim stick.

**NOTE:** New back curtain and top material should extend 1/2" below lower edge of trim sticks (see Figure 7-46).

11. Tack curtain assembly to rear trim stick (see Figure 7-35). Tacks should be placed close to each side of every bolt hole in trim stick. Then pierce or punch back curtain assembly for each trim stick bolt. See Figure 7-32 for tacking of back curtain lower valances at body centerline.

**NOTE:** Do not install tacks within 1/2" of back curtain watershed cord. (Figure 7-36 illustrates watershed cord and exterior back curtain sealing.)

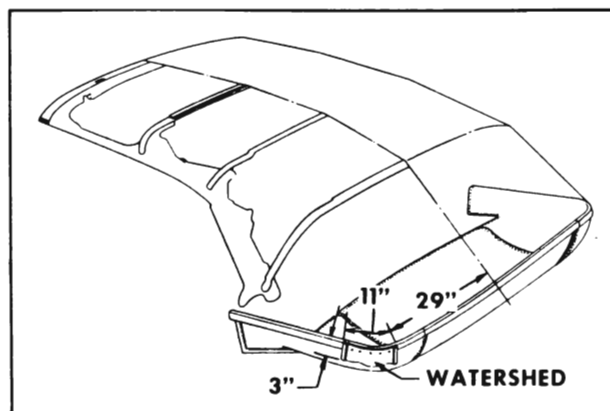


Figure 7-33—Back Curtain Stay Pad Watershed

12. Tack lower ends of back curtain stay pads over watershed to rear trim stick using chalk lines on pads as reference guide lines to establish proper stay pad contours (see Figure 7-37). Trim edges of stay pads; then install remaining portion of watershed over stay pads.

13. Apply bead of convertible top sealer (nitrile type) between outboard edge of watershed and stay pad along entire length of watershed.

14. Inspect rubber trim stick fillers cemented to body below pinchweld (see Figure 7-38). Re-cement if necessary.

15. Install rear trim stick with attached back curtain assembly into body.

**NOTE:** Make sure that all trim stick bolts are driven completely in to represent finished condition.

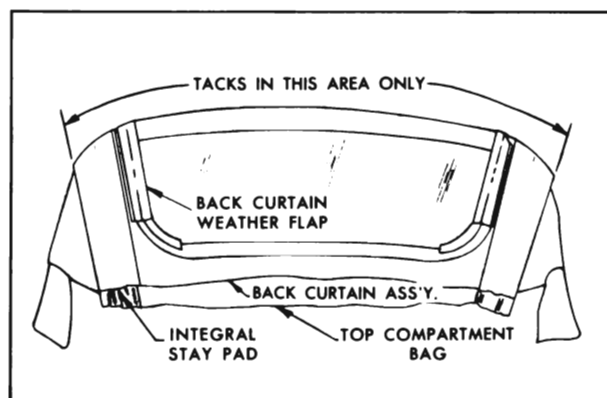


Figure 7-35—Tacking Back Curtain

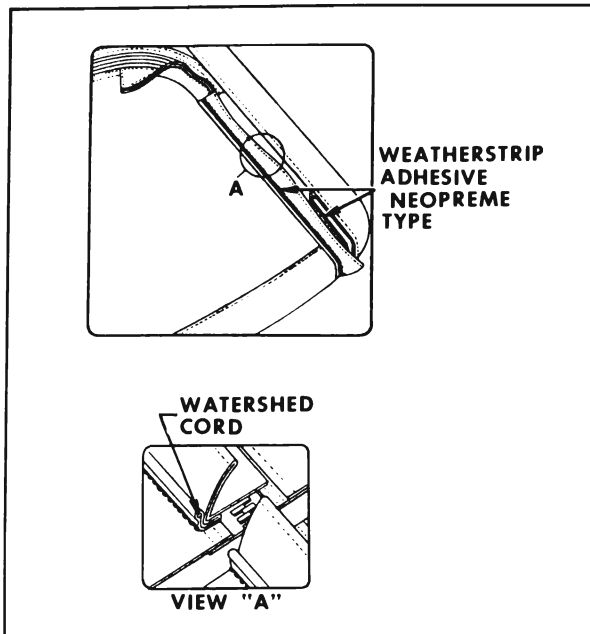


Figure 7-36—Back Curtain Weathershed Cord

16. Secure back curtain assembly with one tack to rear bow to prevent damage to plastic sheet (see Figure 7-39).

17. Working from body center progressively outboard to right and left sides, tack back curtain upper valance and upper ends of integral stay pads to rear bow. Make sure all fullness has been drawn from curtain before trimming off excess at rear bow (see Figure 7-40).

**CAUTION:** Trim forward edges of back curtain and pads just rearward of front rolled

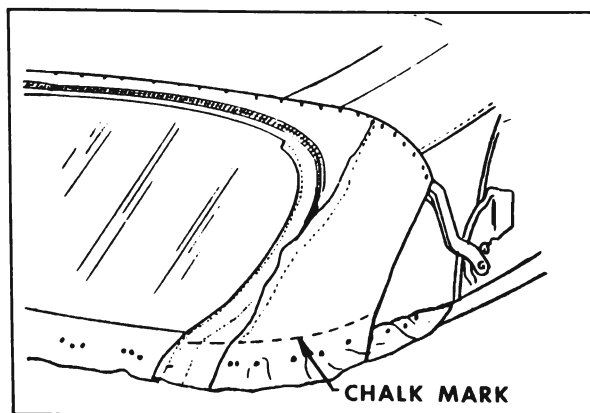


Figure 7-37—Tacking Stay Pads

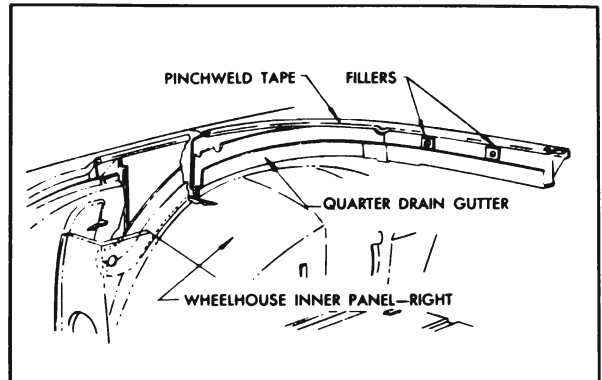


Figure 7-38—Checking Trim Stick Fillers

edge of rear roof bow. Do not cut front side stay pads.

18. Check contour of back curtain assembly and stay pads at rear roof bow and at pinchweld molding.

19. Where required, place reference chalk mark on outer surface of back curtain or quarter stay pads along pinchweld finishing molding. Readjust back curtain assembly and/or stay pads as required (see Figure 7-41).

20. Where required, adjust side stay pads; then tack side stay pads to front roof rail and front bow. Attach side stay pads to center bow with screws. Trim selvage end of side stay pads at front roof rail. Install stay pad covering material in conventional manner using an approved trim cement.

21. Lay out new top material on clean protected surface with outer layer of material exposed.

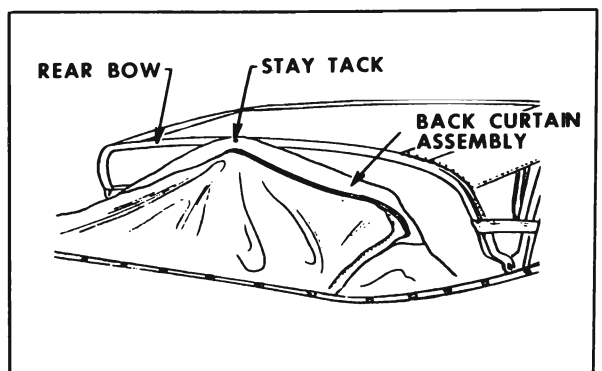


Figure 7-39—Securing Back Curtain

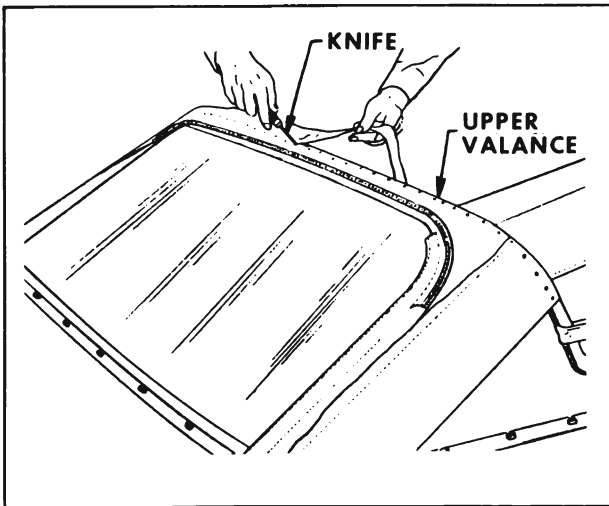


Figure 7-40—Trimming Excess Material

22. Using a pencil, mark top material (mark should be approximately 1/2" in length) at deck seam 4-1/4" from edge of top material upper valance binding (see Figure 7-42).

23. Fold new top material in half so that inner lining of top material is exposed (see Figure 7-43). Install a 6" piece of tape on inner surface at centerline fold of new top material (see Figure 7-43). Using a pencil, mark the approximate centerline of new top material along entire length of tape.

**IMPORTANT:** Be sure mark will be visible inside of body after new top is installed on convertible top framework.

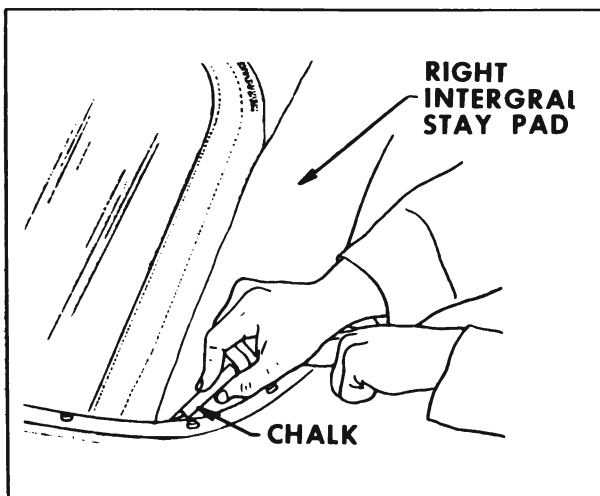


Figure 7-41—Reference Chalk Mark

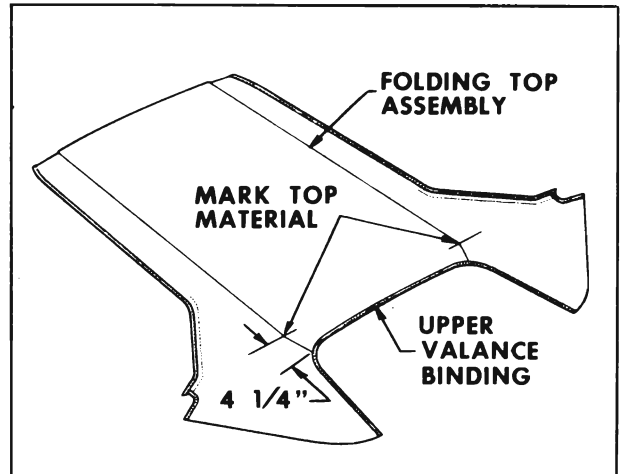


Figure 7-42—Marking Top Material

24. Along forward surface of rear roof bow install a 1" piece of tape at centerline dimple of rear roof bow. Using a pencil, mark centerline of rear bow on tape (see Figure 7-44).

25. Remove rear bow spacer sticks and positioning tape or cord.

26. Remove rear trim stick.

27. Check position of rear roof bow in relation to new folding top trim assembly by placing new top trim over folding top framework. With quarter flaps properly folded over rear side roof rails (edge of rails should match stitch lines of quarter flaps), marks on deck seam should be in center of rear roof bow.

**NOTE:** The deck seam mark will vary slightly ( $\pm 1/4"$ ) depending upon position of

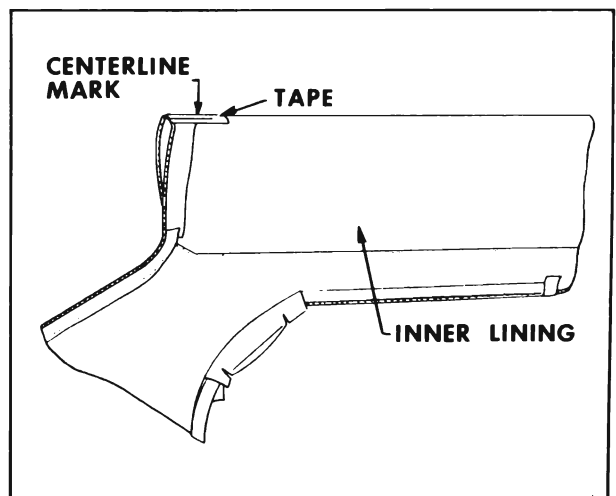


Figure 7-43—Centering of Convertible Top Material



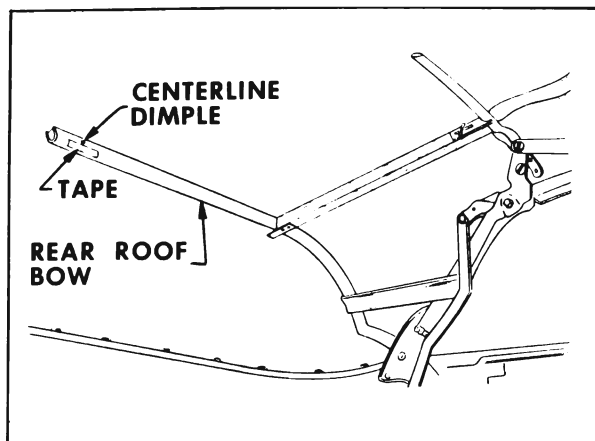


Figure 7-44—Center Line of Rear Roof Bow

rear roof bow. Also check centerline mark on inner lining of top material. Mark should correspond to centerline mark on rear roof bow.

28. Remove top trim material.

29. Apply bead of convertible top sealer to inner lining of top material along front roof rail. Sealer bead should be roughly parallel with forward edge of top material and located so that sealer will be completely concealed by front roof rail when top is installed (see Figure 7-21).

30. Carefully lay removed top, which was marked at lower edge of trim stick prior to removal, over new top. Align old top with new top. Using a pencil, mark vinyl surface of new top using marked edge of old top as guide. Also mark edges of trim sticks on vinyl surface of new top material. (See steps 8 and 9 of removal procedure.)

31. Position top trim on framework and center assembly both fore and aft and side to side. Positively locate top by engaging weather flaps at back curtain.

32. Check position of top trim at rear roof bow and at side roof rear rails. With quarter flaps properly folded over rear side roof rails (edge of rails should match stitch lines of quarter flaps), marks on deck seam should be in center of rear roof bow.

**NOTE:** The deck seam mark will vary slightly ( $\pm 1/4''$ ) depending upon position of rear roof bow. Also check centerline mark on inner lining of top material. Mark should correspond to centerline mark on rear roof bow (see Figure 7-44).

33. Using neoprene-type weatherstrip adhesive, fasten rear quarter flaps to side roof rear rails. Make sure that seam breaks at forward edge of side roof rear rail.

**NOTE:** Material may have to be stretched from side to side to insure proper fit of top material flaps to side roof rear rails and to remove wrinkles from top material along rear roof bow.

34. Cut or pierce flaps for side roof rear rail weatherstrip attaching bolts. Install side roof rear rail weatherstrip to help maintain position of quarter flaps while adhesive is drying.

35. Using previously marked lines (ends of trim stick) as locating reference, tack top material to rear and rear quarter trim sticks. "A" in Figure 7-45 shows top material installed to rear trim stick at base of each weatherflap.

**IMPORTANT:** Do not install tacks within  $1/2''$  of back curtain watershed cord (see "A", Figure 7-36).

36. Cut or punch hole in top material for each trim stick attaching bolt.

37. Install top material into body. Make sure rear and rear quarter trim stick attaching bolts are completely driven in to represent finished condition.

38. Check fit of top material. Rear quarter trim sticks may be adjusted downward to remove minor wrinkles in top material in rear quarter area.

39. Where required, re-mark top material; then make necessary adjustments to top material by repositioning rear quarter trim sticks

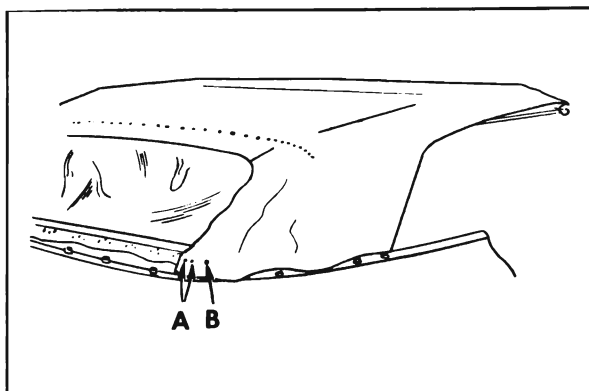


Figure 7-45—Tacking Top Material

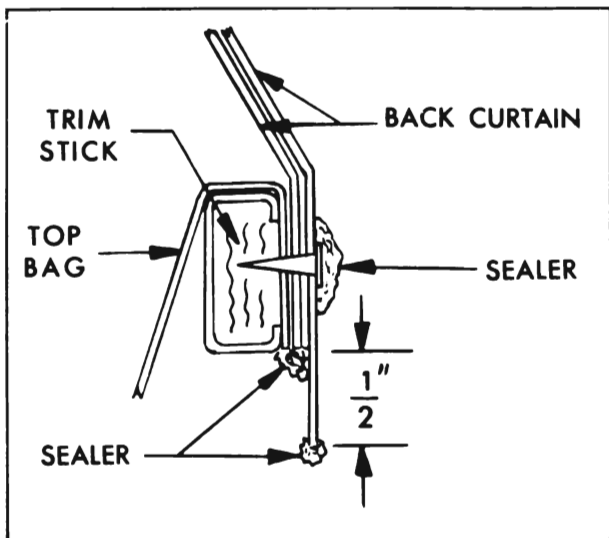


Figure 7-46—Sealing at Trim Stick

and/or by retacking top material to rear and/or rear quarter trim sticks.

**NOTE:** In extreme cases, adjustment of top material at rear or rear quarter trim sticks may have to be performed several times before desired fit of top material is obtained.

40. Remove trim sticks with attached top material from top compartment well. Back curtain and top material should extend  $1/2''$  below trim sticks (see Figure 7-46). Trim material as required. Apply convertible top sealer onto all trimmed edges, around each tack head and around each trim stick attaching bolt hole (see Figure 7-46).

**CAUTION:** All painted surfaces adjacent to belt finishing molding should be adequately covered to prevent possible sealer damage.

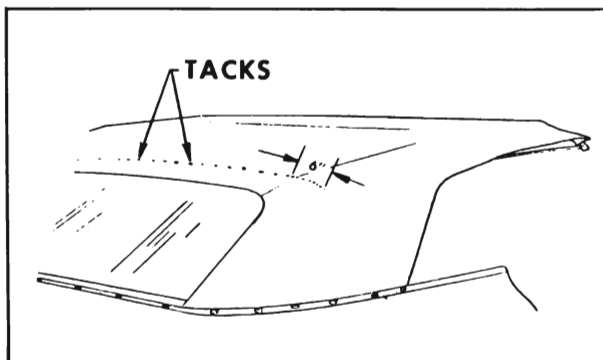


Figure 7-47—Tacks Outboard of Seams

41. Install trim sticks with attached top material into top compartment well and tighten side and rear trim stick attaching bolts.

42. Re-check side roof rail flaps. Make sure mark at deck seams is in center of rear bow. Also re-check centerline mark on inner surface of top material at rear bow.

43. Where required, remove side roof rail rear weatherstrips. Re-adjust top material at side roof rails and reinstall weatherstrips.

44. While pulling top material slightly rearward, stay tack top material along rear roof bow.

**IMPORTANT:** Tacks must be installed along a straight line in center of rear bow (see Figure 7-47). Tacks outboard of deck seams should be restricted to distance not to exceed six inches, which is length wire-on binding extends past seam (see Figure 7-47).

45. Unlock top from windshield header, apply neoprene-type weatherstrip adhesive to front flaps and to corresponding areas on side roof front rails. Fasten flaps to side roof front rails. (See Figure 7-22) Lock top to windshield header.

46. At front roof rail, pull top trim material forward to desired tension. While maintaining tension on top trim, place a pencil mark on outer surface of trim material along forward edge of front roof rail (see Figure 7-48).

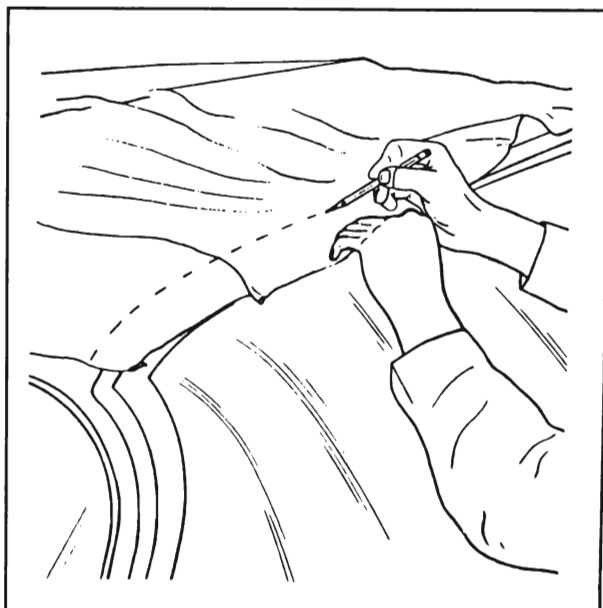


Figure 7-48—Marking Top Material

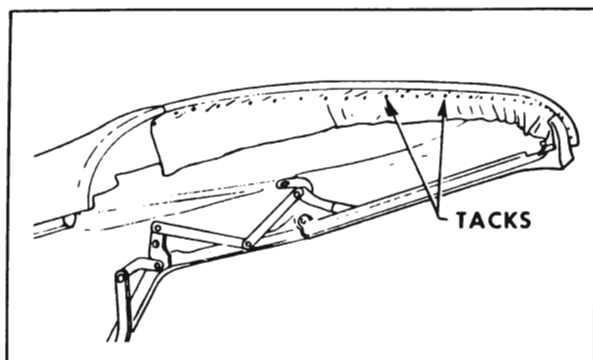


Figure 7-49—Installation of Top Material To Front Roof Rail

47. Unlock top from windshield header and apply neoprene-type weatherstrip adhesive to tacking area of front roof rail. Pull top trim material slightly forward so that pencil marks are forward of front edge of front roof rail. Fasten top trim to cemented area and stay tack trim to rail (see Figure 7-49).

48. Lock top to windshield header. Check appearance of top trim as well as operation and locking action of top. (If additional tension is desired in top trim, unlock top from header and reposition top trim so that pencil marks are further forward. Stay tack and re-check top appearance.)

49. Complete tacking of top trim to front roof rail and trim off excess material.

50. Permanently tack top material to rear roof bow. Apply bead of neoprene-type weatherstrip adhesive around each tack head, and into two holes pierced into top material for wire-on binding clip escutcheons.

51. When completed, folding top should be free from wrinkles and draws. Install all previously removed trim and hardware and clean any soil from top material, back curtain or pads.

#### **d. Removal of Folding Top Assembly—Replacement Only**

1. Remove folding top trim assembly as described in steps 1 through 10 of "Removal of Folding Top Trim Assembly".

#### **e. Installation of Folding Top Assembly—Replacement Only**

1. Prior to installation of new top trim material, check contour of back curtain and side stay pad assemblies. Where required,

adjust back curtain and/or side stay pads as required.

2. Install new folding top trim assembly as described in steps 21 through 24 and 26 through 51 of "Installation of Folding Top Trim Assembly".

## **7-10 BACK CURTAIN**

### **a. Removal of Back Curtain**

1. Detach top compartment bag from seat back panel and remove all trim stick attaching bolts.

2. Remove wire-on binding and escutcheons.

3. Detach folding top trim from rear roof bow and from rear trim stick. Remove side roof rail rear weatherstrips and detach top trim from side roof rails.

4. Carefully slide top trim forward exposing tacked edge of rear curtain assembly.

5. Working at one side stay pad area, detach outboard tacks that secure side stay pad to quarter stay pad section of back curtain assembly and to rear roof bow. Detach outboard tacks that secure quarter stay pad section to rear roof bow. Turn quarter stay pad section back and stay-tack side stay pad to rear roof bow.

6. Remove inboard tacks above components; turn balance of the quarter stay pad section back and permanently tack side stay pad to rear roof bow.

7. Repeat steps 5 and 6 on other side and detach balance of back curtain assembly from rear roof bow.

8. Detach back curtain assembly from large trim stick and remove from car.

### **b. Installation of Back Curtain**

1. Install spacers sticks as described in steps 1 and 2 of "Installation of Folding Top Trim" procedure.

2. Seal and install back curtain assembly as described in steps 6 through 19 of "Installation of Folding Top Trim" procedure.

NOTE: Extra care in positioning new curtain at same location on trim stick as old curtain and aligning of trim stick attaching bolt holes in top material with holes in trim stick will allow reinstallation of top material to its original position with a minimum of refitting.