

**ARO 2000 / PUTT GEORGI LTD**

**BOX 499**

**WALDEN, NY 12586**

**845-778-2158**

**[onlinesales@frontier.com](mailto:onlinesales@frontier.com)**

**FOR PRE 1950 MODELS / ARO "OLD TIMER"**  
**PATTERNS:**

**WE DO NOT RECOMMEND INSTALLATION OF THESE PATTERNS BY NOVICES.  
THESE ITEMS MUST BE INSTALLED BY PROFESSIONALS WITH GOOD  
KNOWLEDGE OF THE INSTALLATION METHODS FOR CARS OF THIS ERA.**

**OUR COMPANY WAS STARTED IN 1919 BY THE SHAPIRO FAMILY. MANY OF  
THE PATTERNS FOR 1929-1949 MODELS WERE CREATED FROM ORIGINAL  
TOPS THAT WERE SEVERAL YEARS OLD AND NEVER REPLACED PREVIOUSLY.  
THESE PATTERNS HAVE BEEN SUCCESSFULLY INSTALLED FOR OVER 70 YEARS.**

**THERE ARE NO KNOWN SERVICE MANUALS FOR THESE CARS AND WE  
CANNOT OFFER ANY SPECIFICATIONS.**

**WE DO OUR BEST TO UPDATE OUR FILES WITH SUGGESTED BOW HEIGHTS  
FOR THESE CARS.**

**DO NOT ATTEMPT TO INSTALL OUR PRODUCTS USING ANOTHER  
MANUFACTURERS RECOMMENDED BOW HEIGHT, WHICH IS APPROPRIATE  
FOR THEIR PATTERNS ONLY.**

**IF WE DO NOT HAVE BOW HEIGHTS AVAILABLE FOR YOUR CAR - THE  
INSTALLER MUST INSTALL THIS TOP TO MEET OUR PATTERNS  
REQUIREMENTS BY POSITIONING THE REAR WINDOW CURTAIN AND/ OR  
THE TOP FRAME BOWS USING CLAMPS OR TAILOR PINS IN A 4-6 POINT  
POSITION, IN THE APPROXIMATE POSITION AND ADJUST AS NECESSARY.  
INSTALL THE PADS AND CONTINUALLY CHECK FOR APPROPRIATE FIT.**

**WHEN IN DOUBT – STOP AND CONTACT US IMMEDIATELY.**

**DO NOT CONTINUE WITH THE INSTALLATION**

**IF YOU HAVE QUESTIONS OR CONCERNS - CONTACT US IMMEDIATELY.**

**845-778-1314 / 845-778-3968 FAX / [onlinesales@frontier.com](mailto:onlinesales@frontier.com)**

### **WHEN INSTALLING THESE ITEMS:**

**MAKE SURE THE CORRECT ITEMS WERE RECEIVED AND IN GOOD CONDITION. CLAIMS FOR INCORRECT, DAMAGED or MISSING ITEMS MUST BE MADE WITHIN 3 DAYS FOLLOWING DELIVERY**

**WHEN LAID OVER THE TOP FRAME PRIOR TO INSTALLATION, THE NEW TOP MIGHT APPEAR TO BE SMALL. CONVERTIBLE TOP MATERIAL IS FORMULATED TO STRETCH 2- 3% TO GIVE A SNUG FIT. THIS MEANS A CENTER DECK WHICH IS 72" LONG FROM FRONT TO REAR IS DESIGNED TO EASILY STRETCH 1 1/2" TO 2"+.**

**WHILE MANY OF OUR LATER MODEL TOPS AND WINDOWS HAVE PENCIL LINES OR PUNCHED HOLES FOR INSTALLATION GUIDELINES – THE PRE-1950 MODELS DO NOT.**

**OUR PRE-1950 PATTERNS ARE BUILT THE SAME WAY THEY WERE ORIGINALLY – THEY ARE TO BE INSTALLED AND TAILORED/HAND FIT TO THE CAR. YOU WILL NEED TO ADJUST THE MATERIAL OFTEN AND AS NECESSARY TO ACHIEVE PROPER RESULTS AND FINISHED APPEARANCE.**

**MEASURE TWICE - CUT ONCE.**

**SUCCESSFUL INSTALLATION DEPENDS ON THE CARE TAKEN DURING INSTALLATION, NOT THE SPEED.**

**WE STAND BEHIND OUR EXPERIENCE AND OUR PRODUCTS. IF THE PART YOU ARE INSTALLING IS SIGNIFICANTLY DIMENSIONALLY DIFFERENT THAN YOUR OLD PART OR YOU FEEL YOU HAVE RECEIVED THE WRONG PART – YOU MUST CALL OR HAVE YOUR INSTALLER CALL BEFORE INSTALLING, STAPLING, GLUING OR OTHERWISE ALTERING THE NEW PART.**

**WHEN IN DOUBT – STOP AND CONTACT US IMMEDIATELY.**

## **DO NOT CONTINUE WITH THE INSTALLATION.**

**WE TAKE COMPLAINTS SERIOUSLY. IF YOU EXPERIENCE DIFFICULTY DURING INSTALLATION - PRIOR TO REMOVING AND RETURNING THIS ITEM, PLEASE CALL 845-778-1314 OR EMAIL US. WHEN POSSIBLE, PLEASE BACK UP COMPLAINTS BY EMAILING DIGITAL PHOTOS DEMONSTRATING THE ISSUES OF CONCERN.**

**WE ARE NOT RESPONSIBLE FOR PROBLEMS CREATED BY PROCEEDING WITH THE INSTALLATION KNOWING THERE ARE APPARENT ISSUES, POOR INSTALLATION OR LACK OF KNOWLEDGE REGARDING INSTALLATION PROCEDURE.**

**WE ARE RESPONSIBLE FOR SENDING YOU THE CORRECT PARTS BASED ON INFORMATION YOU HAVE PROVIDED US DURING PLACING YOUR ORDER.**

**IF WE MISTAKENLY SENT THE WRONG PATTERN, WE WILL SEND A REPLACEMENT A.S.A.P.**

**THERE WILL BE NO ADJUSTMENTS OR CREDITS ONCE INSTALLATION HAS BEEN STARTED.**

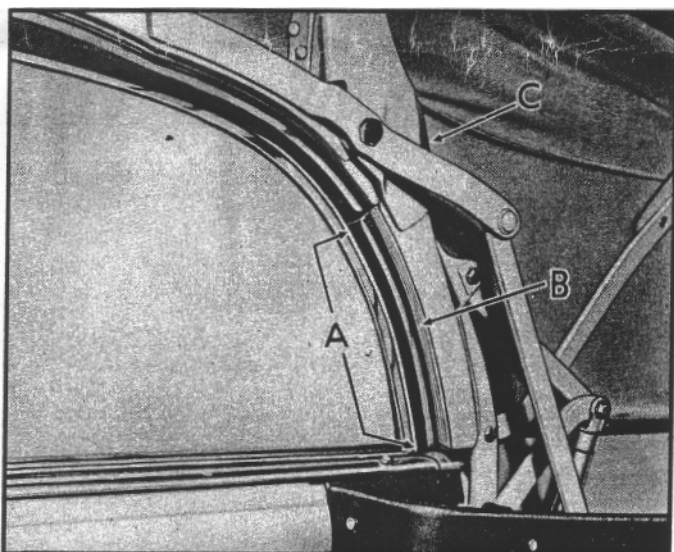
**WE MUST RECEIVE YOUR OLD PART FOR COMPARISON AGAINST OUR PATTERNS TO DETERMINE A POSSIBLE SOLUTION.**

## Operation No. 42 Convertible Coupe Top Fabric and Back Curtain Assembly

The removal and replacement of a convertible coupe outer top fabric and back curtain assembly is not a difficult trim operation and dealer's trim men will find in the following step by step procedure of top covering removal and replacement, much information that will enable them to do a satisfactory job.

Along with the fabric top which is supplied ready to install, less fasteners, leaded chrome finish moldings should also be ordered. In addition, the proper tacks should be used, preferably lace tacks 4 oz., 6 oz., and 8 oz., depending on the tacking thickness of material. Back curtains are supplied separately,

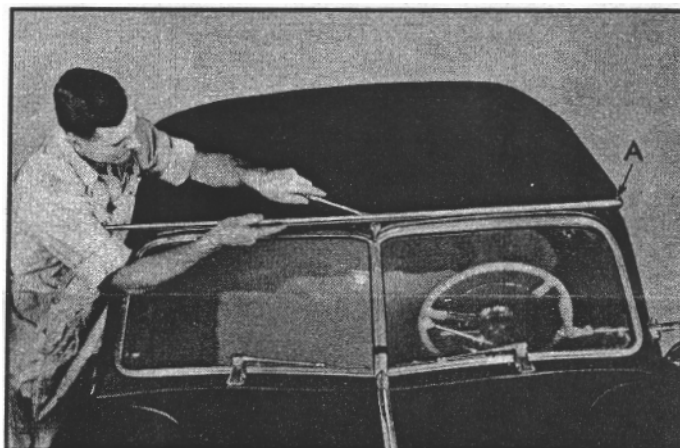
### REMOVAL:



With rear quarter window lowered, remove the roof rail side weatherstrip "A" and retainer "B" and untack the roof covering directly beneath these parts. In addition, remove the drive nails from the top deck reinforcement at "C". On the outside, at the lower quarter window opening remove the little trim finishing plate which is attached with two screws. Release the top from the fasteners along the side roof rail.

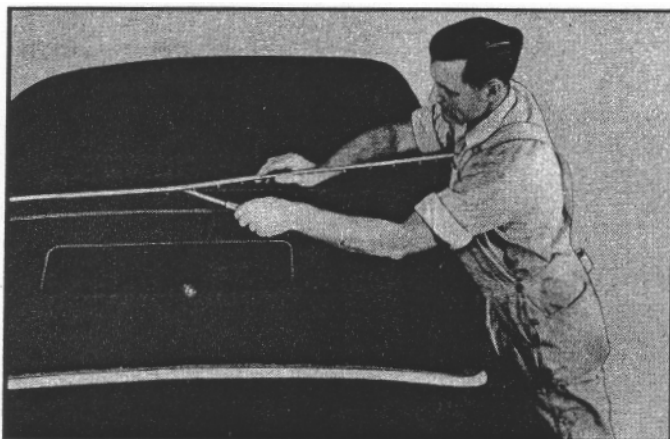
Starting at the front of the car, remove the end screws from the front roof rail molding as shown at "A" in this illustration. Then, starting at one end, carefully pry the molding loose and remove. Save the molding as a pattern for new molding installation. Note: On some convertible styles "Hide-em" binding is used in place of solid moldings.

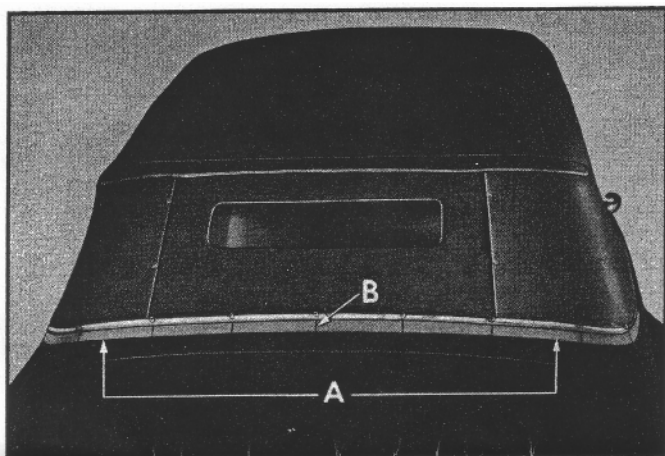
2



At the rear of car, pry the rear roof bow molding loose as shown in this illustration. This molding should likewise be saved as a pattern for new molding installation.

3

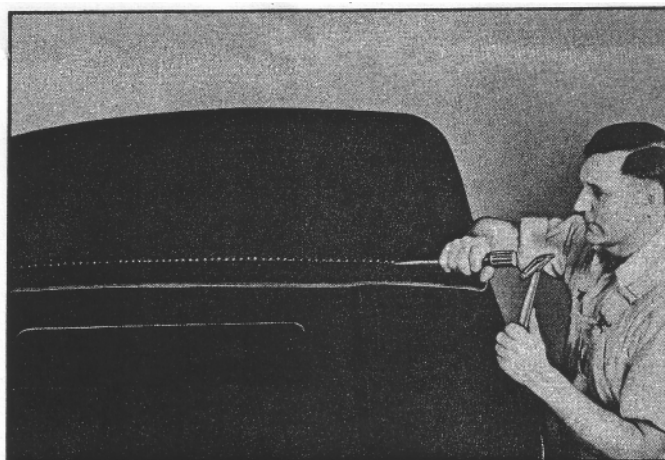




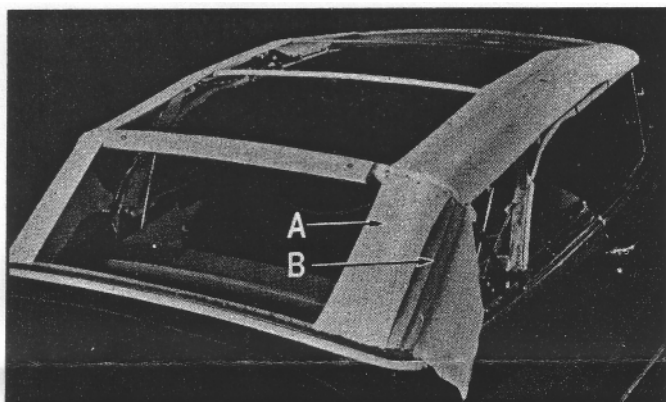
As shown in this illustration, remove all tacks which attach the outer top deck, quarter deck and back curtain material to the top frame. Do not untack the inner webbing or padding. At the front of the car, untack the top material from the front roof rail in a similar manner. Complete outer top covering may now be removed. Inasmuch as top replacement in the majority of cases involves only the outer covering, it is not necessary to remove the inner padding and webbing of the top.

4

Next, as shown along VA", put a strip of masking tape over the belt molding, covering its entire length across the belt. Then mark on this tape the exact location of all fasteners on the lead filled molding as shown at "B". Remove the fasteners and pry the molding loose and remove.



5



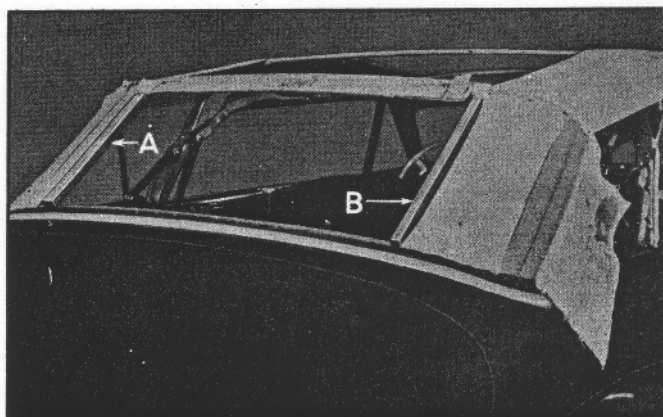
6

With top covering removed, check to see that the back-stay lining "A" and webbing "B" is tight. If the lining or webbing is loose, remove the tacks at the roof or belt, stretch it tight and re-tack using 4 oz. lace tacks.

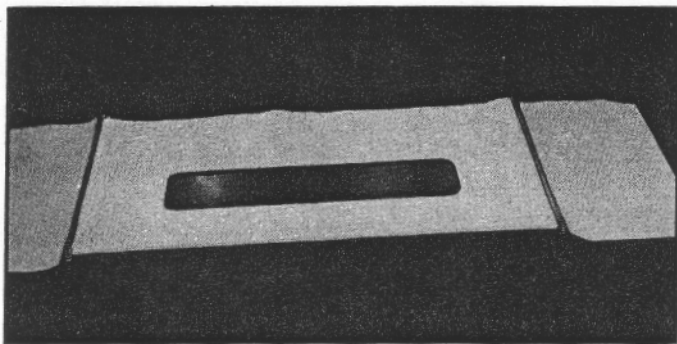
**CAUTION:** In the event the inner lining, padding and webbing of the top must also be removed, it is imperative before untacking this trim that the correct distance and alignment be maintained between the rear roof bow and the rear belt rail.

To this end, measure accurately the distance between the rear roof bow, (not the metal valance plate) and the rear belt rail at each side of the back curtain. With measurements obtained and using 1" x 1-1/2" stock, cut two pieces of wood the required length and place them in position as shown at "A" and "B". These wood templates which can be temporarily held in position will hold the rear roof bow in correct alignment while the new inner lining and webbing are being installed. **NOTE:** Be sure measurements in this operation are accurate.

7



## REPLACEMENT :



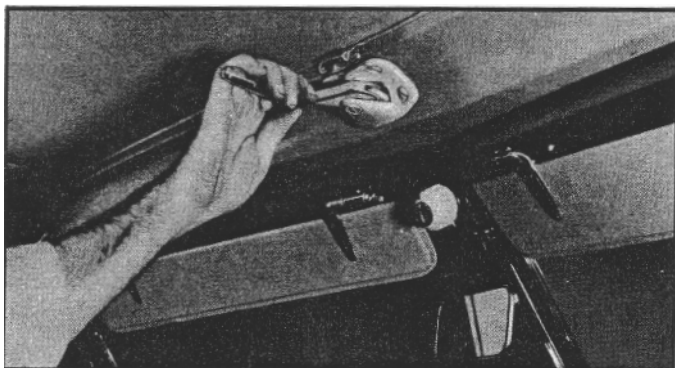
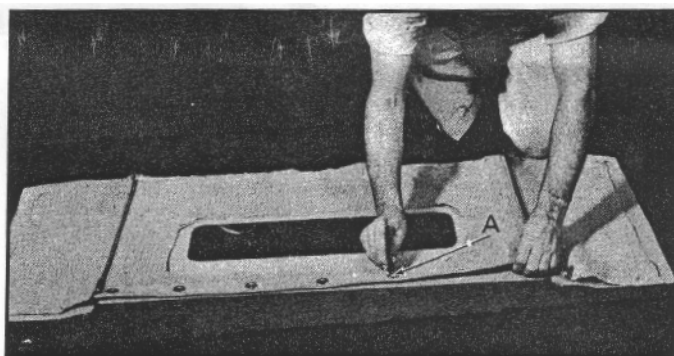
1

The installation of the back curtain is the first step in the replacement of a convertible top. The fastener eyelets and eyelet washers however are not assembled to the top edge of the curtain until installation.

To install the fastener eyelets at top edge of back curtain:

1. Lay the new curtain on a clean bench and accurately position the old curtain over it as shown.
2. With a pencil, scribe the hole locations onto the new curtain as shown in this illustration.
3. Assemble the fastener eyelets and eyelet washers to the new curtain in the locations marked.

2

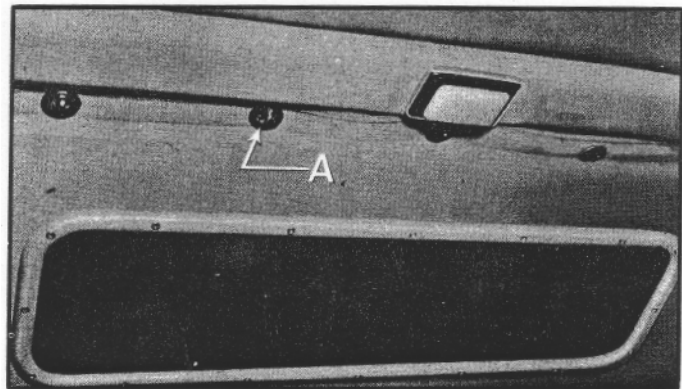
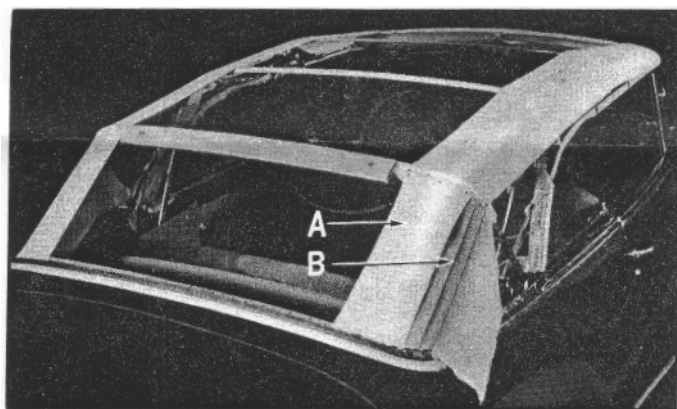


Check to see that the back stay lining "A" and webbing "B" is tight. If the lining or webbing is loose, remove the tacks at the roof and belt, stretch it tight and re-tack using 4 oz. lace tacks as already explained.

3

Before starting back curtain installation make sure the top frame is locked in position above windshield and that the padding along the side roof rail is smooth and taut.

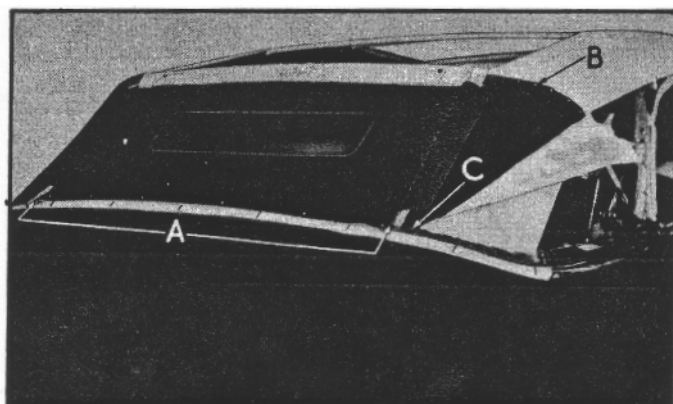
4



5

Place back curtain in position and on the inside, at the top, fasten it to the metal valance plate by means of the swivel fasteners as shown at "A" in this illustration.

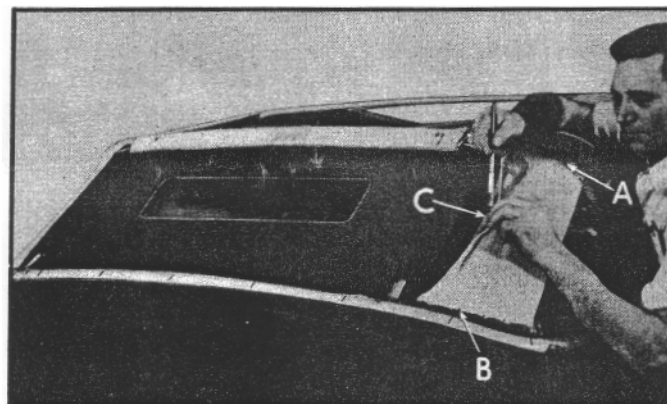




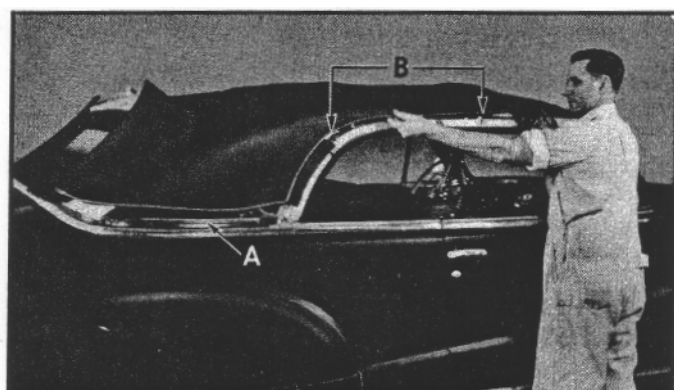
Next, at each end of curtain, fold over the loose back-stay lining material as shown in this illustration and tack it also to the rear roof bow at "A" and rear belt rail at "B". In addition, pull edge of top lining out of position as shown and cement it to zipper end of back curtain along area "C". Use "3-M Trim Cement".

6

On the outside of the car, temporarily stay tack the lower end of the curtain to the rear belt rail, shown along "A". Then, permanently tack each zipper end of curtain along the rear roof bow at "B" and along the rear belt rail at "C". Use 4 and 8 oz. tacks depending of material thickness. Space tacks approximately 3/4" apart. Along tacking area "B" and "C" trim off surplus top material.



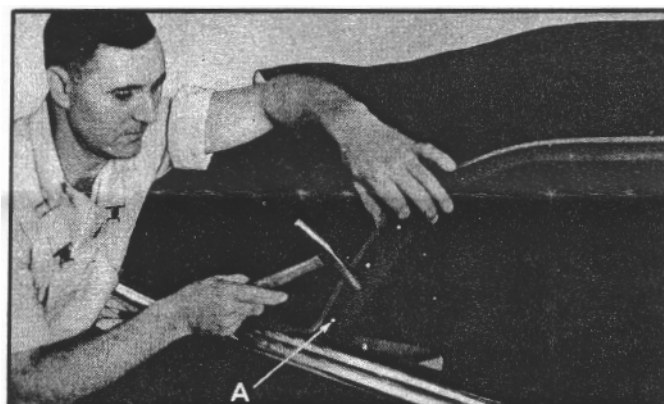
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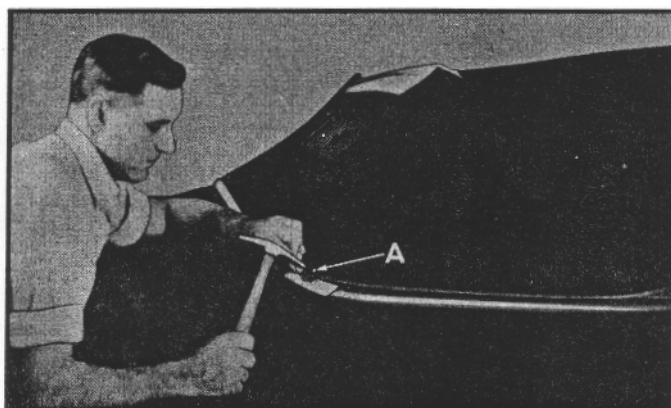
With top covering in proper alignment, next tack temporarily the top covering extension to the curved portion of the side roof rail at the quarter window opening as shown in this illustration at "A".

8

After this stage of back curtain installation, place new top covering in position over the top frame assembly as shown and adjust so that it is in the proper position. At the lower rear quarter section, slip the side valance of the top under the chrome trim retainer "A" on each side of the body. Likewise, the binding edge "B" along side edge of the top should be flush with the under surface of the side roof rails.

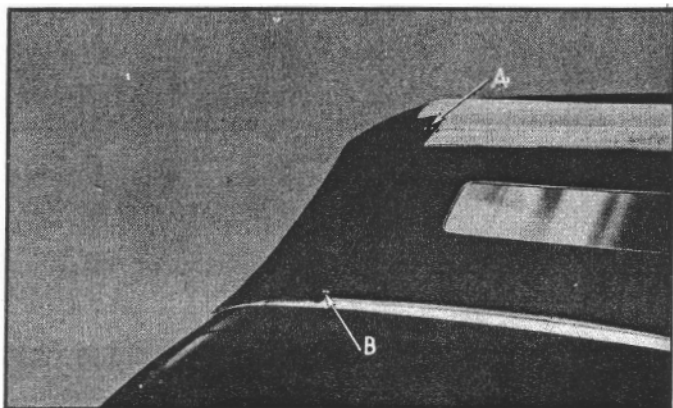


9



10

Next, open the end of the cord welt which extends across the back of the body at the belt rail and lay the binding edge of the top inside this welt and tack with 4 oz. lace tacks as shown at "A". Both sides of body.

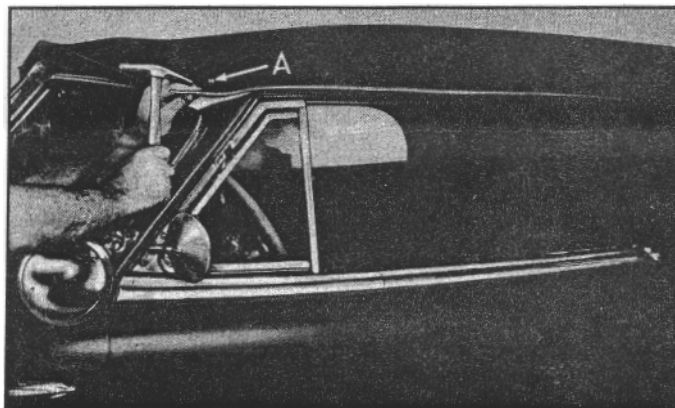


11

At the rear of the body, each side, adjacent to the back curtain, smooth out and temporarily tack the top material to the rear roof bow at "A" and the rear belt rail at "B". Use 4 oz. lace tacks.

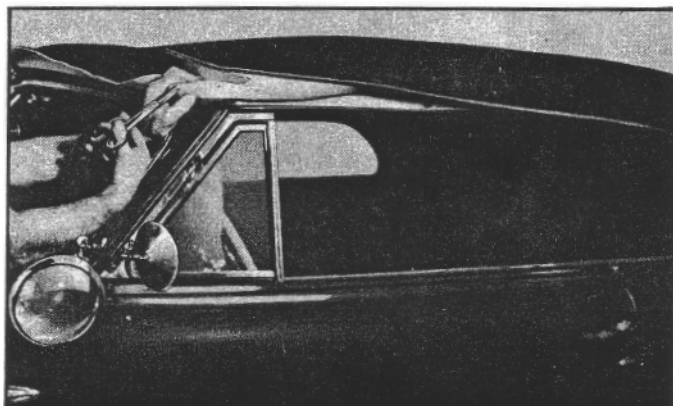
Next, at the front of the body, pull top material forward and at the seams temporarily tack the left and right front corners to the front roof rail. Shown at "A". Use 4 ounce lace tacks. Make sure top covering is in alignment with side roof rail before tacking.

12



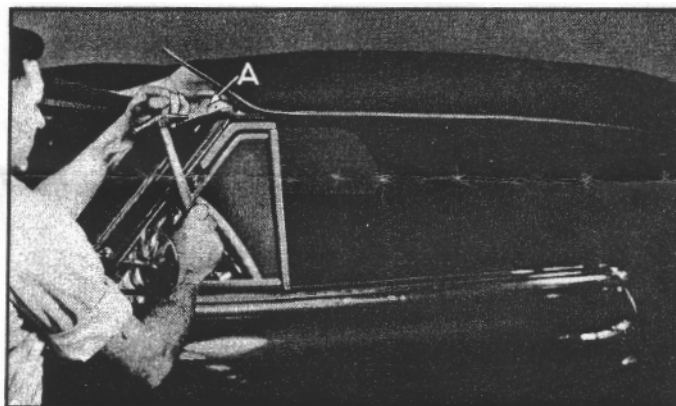
13

At completion of tacking operation, turn up side front corner of top and slit the top deck inner lining re-enforcement as shown in this illustration.



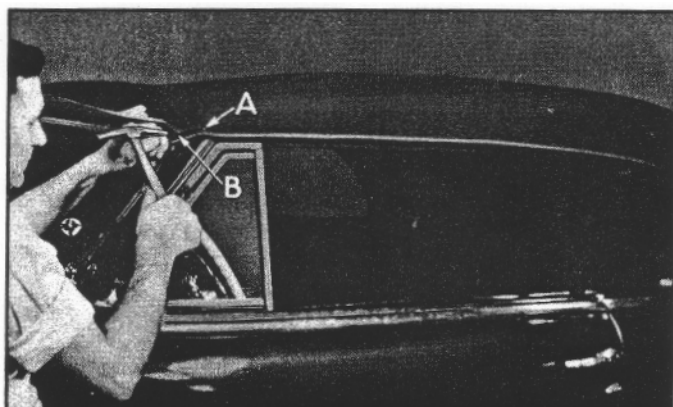
14

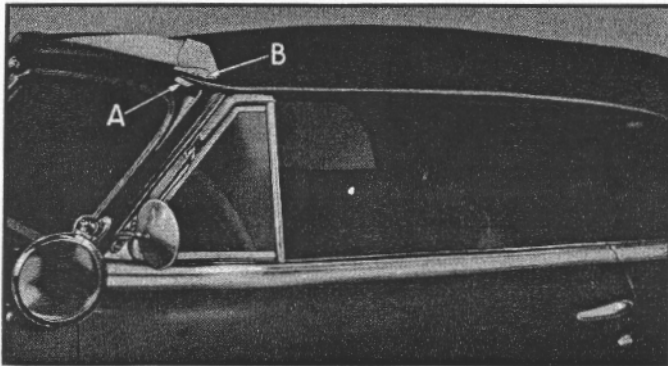
Grasp the cut portion of top deck re-enforcement inner lining firmly, pull taut and tack it to the roof rail front corner along the location as shown at "A". Use 8 oz. lace tacks.



15

Turn down the outer cover 'of top and firmly stretch it around the front roof rail corner and tack it as shown at "A". Next, slit the top material along the binding edge up to the tack as shown at "B".





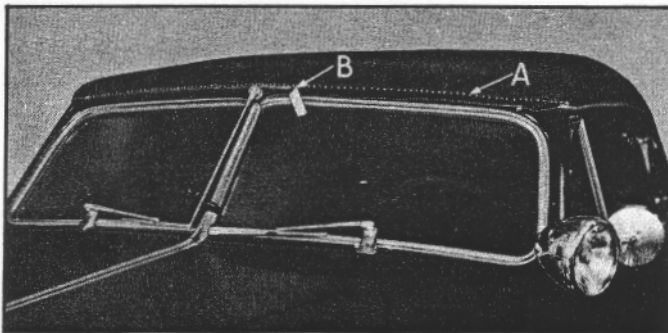
Temporarily stay tack at intervals the top deck material to the front roof rail prior to sealing operations.

Then, turn up the excess skirt of the top material as shown, and seal the top edge of the cord welt directly underneath. The seal should be applied in a strip approximately 1/2 inch wide clear across the front roof rail. This is important. Use Dolfinite Sealer No. 1480, obtainable from the Dolphin Paint and Varnish Company, Toledo, Ohio.

16 Open the end of the front roof rail cord welt shown at "A", then, grasping the cut portion of top material and binding, pull taut and tack to place along "B", using 8 oz. lace tacks. Next, fold the cut tab of the cord welt up over the top binding and tack with 4 oz. lace tacks. This secures the end of the binding.



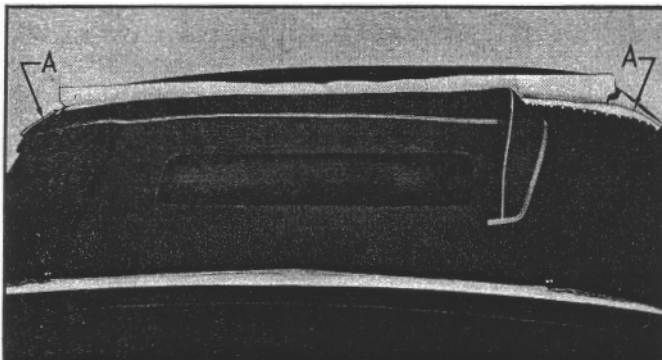
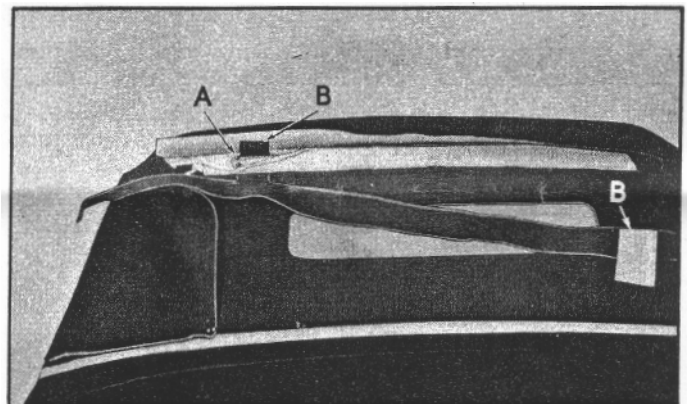
17 immemaieiy axcec tieaxang, permanently tack the top deck material to the front roof rail and remove the stay tacks. Use 8 oz. lace tacks spaced approximately 3 /4 inch apart as shown at "A". NOTE: This sealer dries fast and tacking should be done immediately after application. Trim excess material off top deck as shown at "B". Allow cord section of the welt to be exposed.



Returning to the rear of car, install the rear roof bow trim valance as follows:

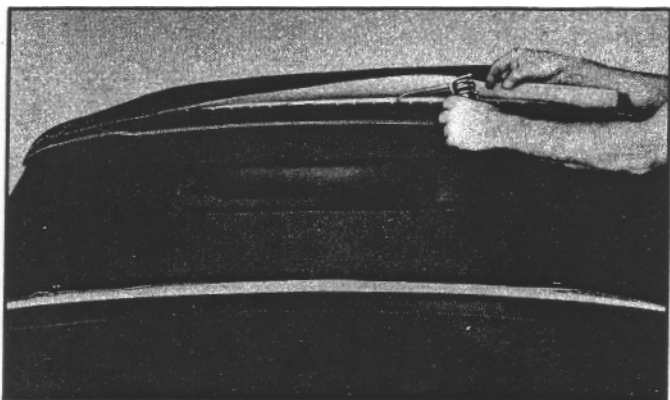
1. Loosen the metal valance plate to roof bow screws "A".
2. Slip the tabs "B" on the valance under the metal valance plate, pull up and tack the tabs to the roof bow with 4 oz. lace tacks.
3. Trim the ends of valance tabs after tacking to roof bow.
4. Tighten the metal valance to roof bow screws "A".

18



20 Slip the upper edge of trim valance under the top deck material and tack the right and left corners of the top deck material to the **rear roof bow in areas "A"** with 4 oz. lace tacks.

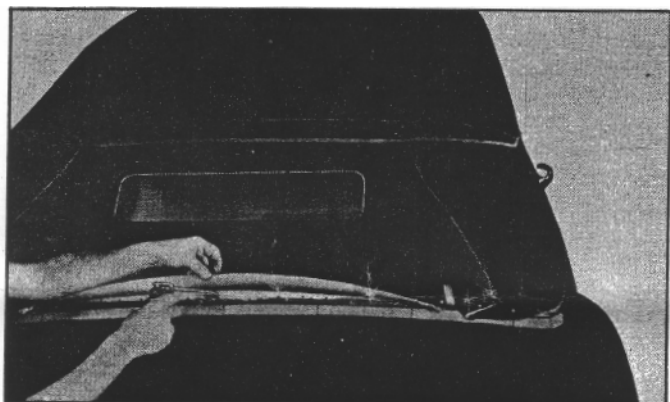
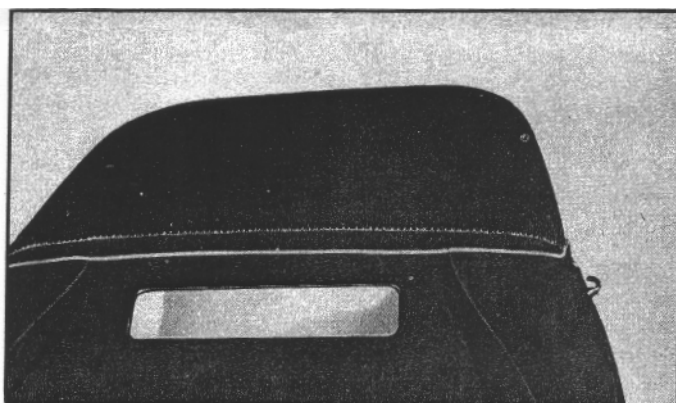




**21** Next, roll back the edge of the top deck material and tack the rear bow valance to the roof bow. Use 4 oz. lace tacks. Then, with a sealing gun apply a ribbon of Dolfinite Sealer No. 1480 along the top edge of the valance as shown.

After sealing, draw top deck material over the valance and tack it down in the groove of the roof bow. Use 4 oz. lace tacks spaced approximately 3/4 inch apart. At the top deck seams, use 8 oz. tacks. At completion of this operation carefully trim off excess material. Note how the corner of top deck and valance are finished off in the illustration.

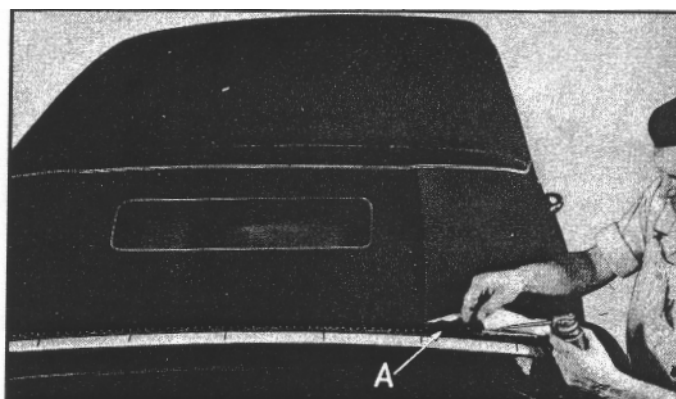
**22**

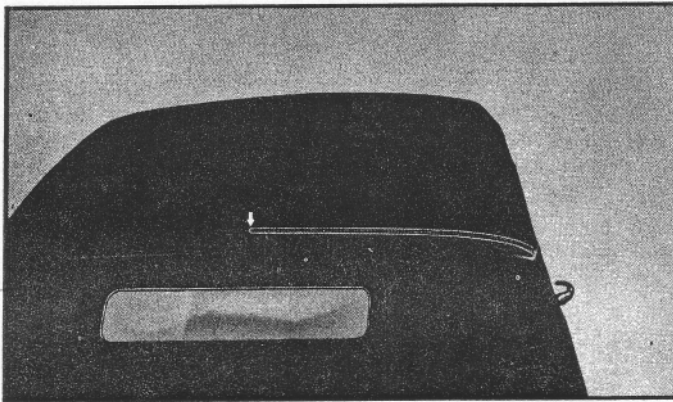


**23** At bottom of back curtain; turn up curtain material and tack the inner lining of the curtain to belt rail trim stick using 4 oz. lace tacks. Trim off excess material and with a sealing gun and Dolfinite Sealer apply a ribbon of sealer along the edge of the curtain inner lining as shown.

After sealing the edge of inner lining, pull down the lower skirt of the back curtain and tack it to the belt trim stick. Use 6 oz. tacks spaced 3/4 inch apart. Next, apply a coat of sealer along the cord welt at each lower corner of the quarter deck material adjacent to the back curtain indicated at "A". After sealing firmly; pull down the top material at this point and tack it to place with 8 oz. lace tacks. After this operation, seal the remainder of the rear quarter cord welt, pull down material and tack to place. Trim off surplus material.

**24**



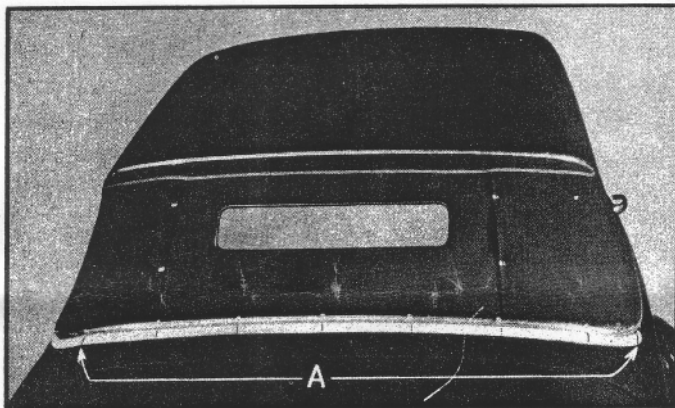
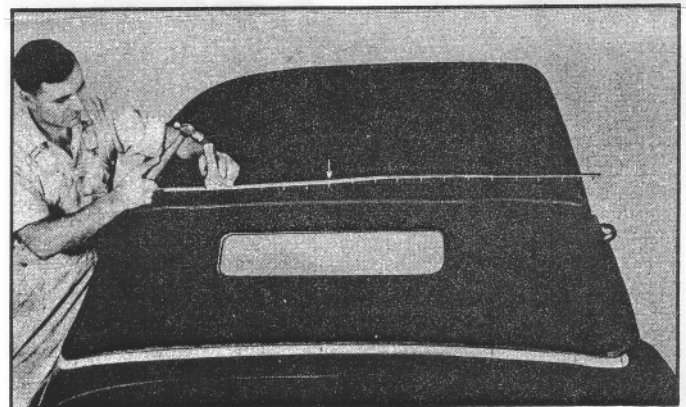


25

Before installing rear moldings, find and mark the exact center of the rear roof bow and rear belt rail. Starting at outer end of tacking area on roof bow, use a piece of cord and stretch it across the tacked area of bow to a comparable point on opposite side. Then cut the cord. To find the center of bow, double the cord and repeat the measurement, marking the center of the bow, as shown in this illustration. This operation can be repeated at the rear belt area and front roof rail.

Cut new molding to length, using the old molding as a pattern. Then measure and mark the center of molding. At each end, with a file, round off the corners and taper the under-surface so that it will lie flush with the top. **IMPORTANT**, apply a coat of Dolfinite Sealer to the lap joint edges of top material before molding installation. Place new molding in position over the sealed area so that the center mark on molding matches the center mark on roof bow or belt rail. Starting at the center and working towards the ends gradually swage down the molding. Use a hard wood block with rounded edges and sufficient width to prevent kinking the molding. The molding must cover all tack heads.

26

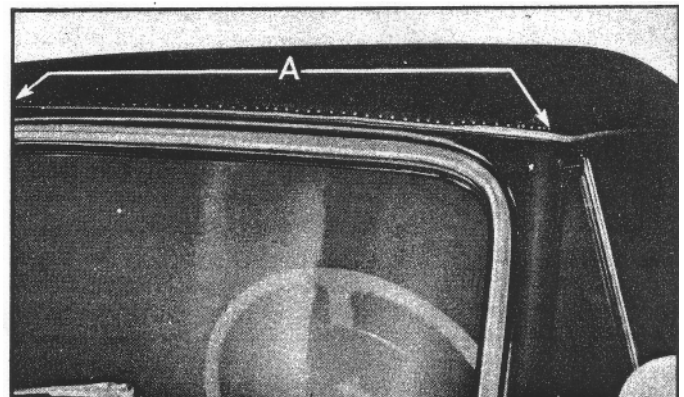


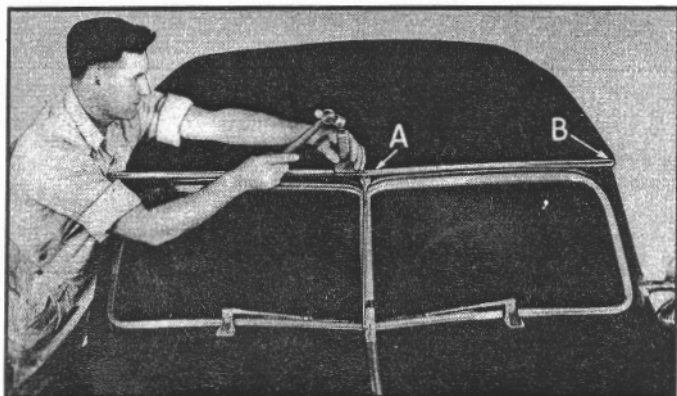
27

The lead filled trim molding at the rear belt area is sealed and applied in the same manner. In addition, fasteners are installed through this molding for top boot installation as follows: At the reference marks on the masking tape across the rear belt, shown at "A" and described in the removal operation, prick-punch each fastener location. Then at each location prick-drill  $5/32$ " diameter holes through the molding and install the fastener studs. On the back curtain as shown in this illustration, install and rivet to place the back curtain retaining clips. Obtain location measurements for these clips from the old curtain.

Along the front roof rail area of the top, apply a coat of Dolfinite Sealer to the edges of the top material as shown along area "A" in this illustration. This is very important. Sealer must be applied evenly so that it will be completely covered when front molding is installed. All tack heads must also be completely covered by molding.

28





29

After cutting to length, rounding the ends and finding the exact center of the front molding and likewise the front roof rail, as described under rear top molding installation, start the installation of the front molding at the center "A" and work towards each end. Using a prepared hard wood block or swage as shown, carefully and gradually swage down the molding to prevent kinking. Upon completion, at each end shown at "B" drill and countersink a 5/32" hole through molding and secure with a cross-recess head self tapping metal screw.

To complete installation of the top, permanently tack to place the side quarter tacking strip to the curved portion of the roof rail at the rear quarter window opening as shown in this illustration and trim off surplus material. Then, at this location, re-install the side roof rail weatherstrip retainer and weatherstrip. In addition, at point "A", install the side quarter retainer plate and also the slide fasteners to the valance of the top along side roof rail at "B".

30

