



# VENT WINDOW REMOVAL KIT

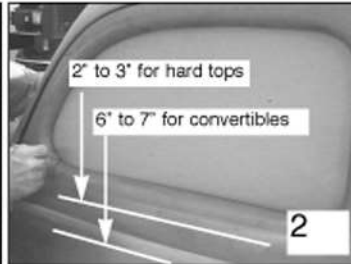
CONTENTS OF UWC KIT:  
 4-VERTICAL CHANNELS  
 4-UPPER MOUNT SHAFTS  
 4-LOWER FLAT BRACKETS  
 4-LOWER L BRACKETS  
 4-SPEED NUTS  
 4-BOLTS  
 4-1/2" X 6" 18 GA. STRIPS



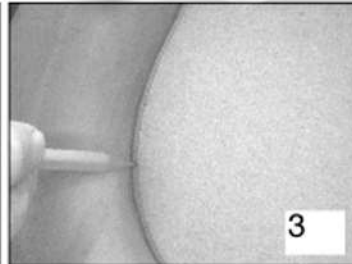
## STAGE 1 MAKING THE DOOR GLASS PATTERN



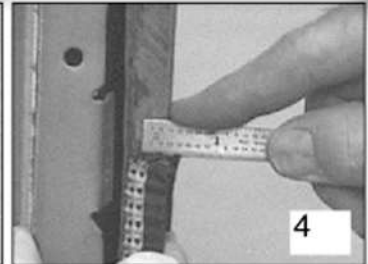
1 Remove all hardware. Cut away any metal that will interfere with the one piece glass.



2 Trace the window opening on to a poster board. Leave the board long at the bottom and be precise.



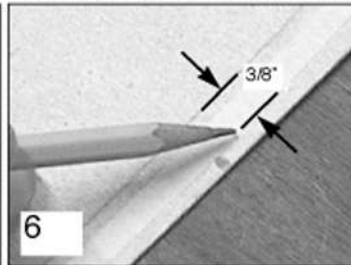
3 Use a sharp pencil for accuracy.



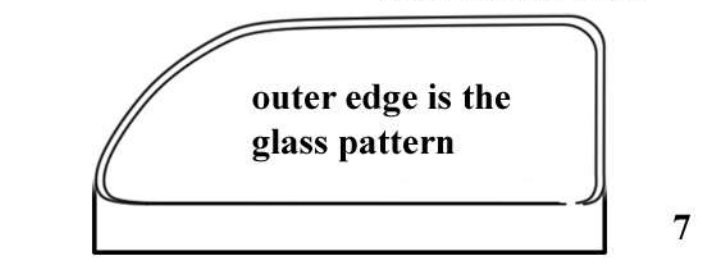
4 The glass position is 3/8" in from your tracing. Enlarge the tracing by 3/8" all the way around.



5 This is easily done by taping a line. 1/4" fine line tape works well.



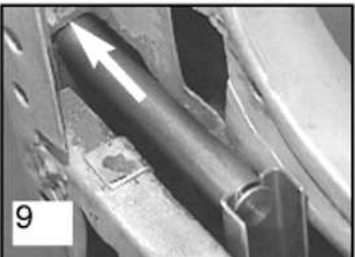
6 This line will be the template for your glass so be accurate.



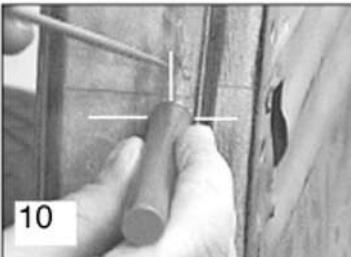
7 The glass will need to be 2" -7" taller than the opening.

Draw the bottom of the glass onto the pattern.

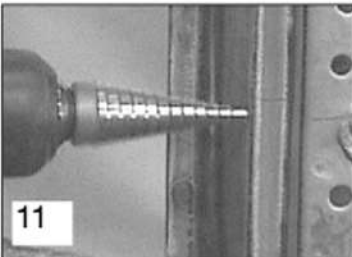
## STAGE 2 INSTALLING THE WINDOW CHANNELS



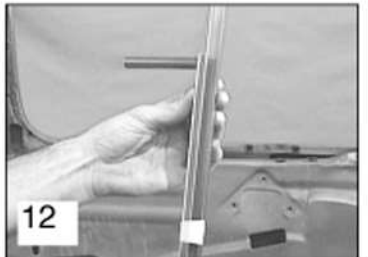
9 Position the mount shaft and channel inside the door as shown to determine the shaft location.



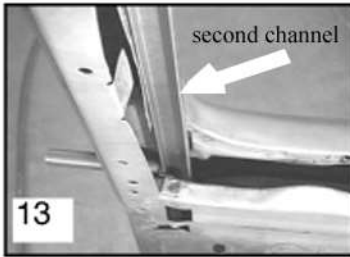
10 Now mark this location on the outside of the door.



11 Drill a 5/8" hole

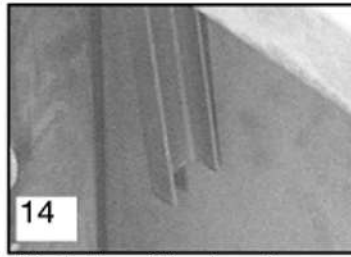


12 Slide the mount shaft onto the channel. Tape a second channel into it with half of it above the shaft. (this second shaft is to help in alignment)



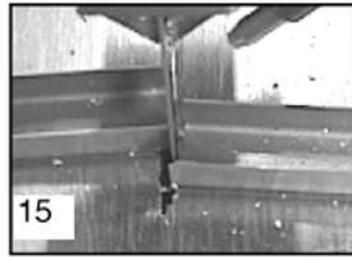
13

Slide assembly through hole. The channel sticking up represent the glass position.



14

The bottom of the channel may need to be trimmed if it hits the outer door skin.



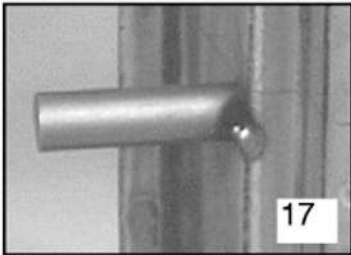
15

Our installation on this 40 Ford required 4" to be removed.



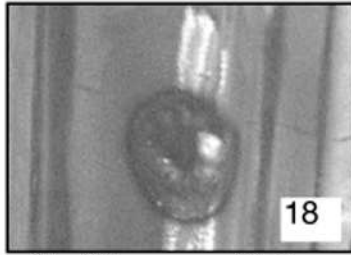
16

Now tape or clamp the assembly in position.



17

Tack weld the shaft in place.



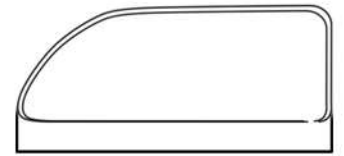
18

Cut off the excess and finish welding.



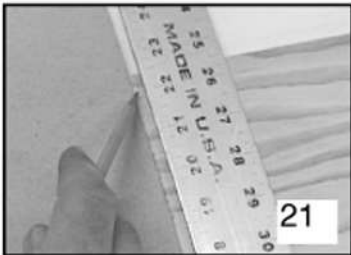
19

The lower mount bracket must be welded in. It can be positioned horizontal or vertical which ever works best. Center the slots.



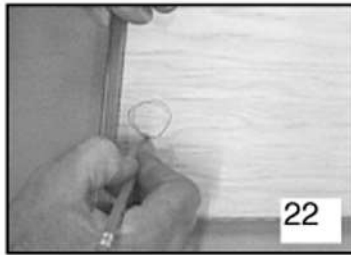
plywood  
1/4" longer then pattern

now cut out a piece of plywood 6" tall and 1/4" longer then your glass pattern. We will use this to position the front channel.



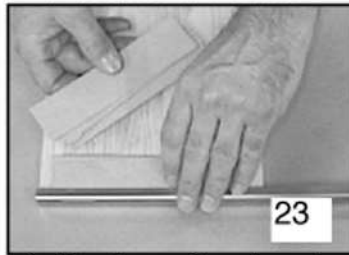
21

The 1/4" extra compensates for the felt channel.



22

Drill a large hole 3" up from the bottom. This is for clamping the wood to the back channel.



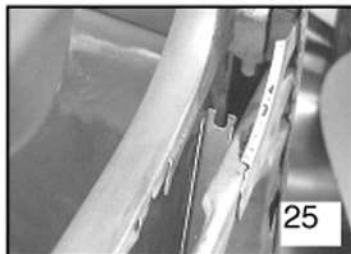
23

Position the new front channel on the wood and flush at the bottom. Attach it by wedging poster board strips into the channel.



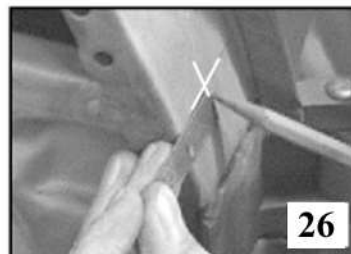
24

With the front channel wedged onto the wood slip them into the door, and position the wood in the rear channel. The wood is a dummy glass panel.



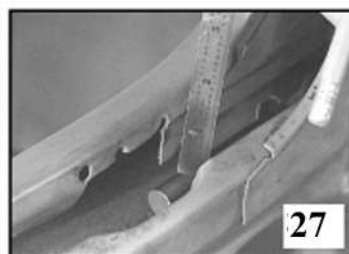
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If everything is good and tight the front channel will be suspended in the proper position.



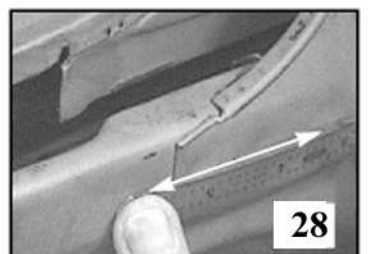
26

We need to find the position of the front mount shaft.



27

One way to do this is to slip the shaft on the channel backward. Then you can measure the shaft position



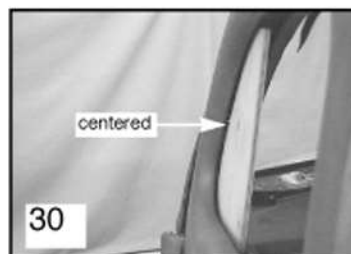
28

and transfer these measurements to the end of the door.



29

Here we have cut out a piece of wood to aid in the positioning of the bottom front mount brackets.



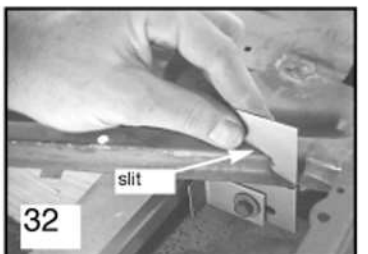
30

We will use the wood to align the channel the same way we used the extra channel earlier in aligning the back one.



31

With the channel in position determine where to place the bottom mount brackets. Position and weld accordingly.



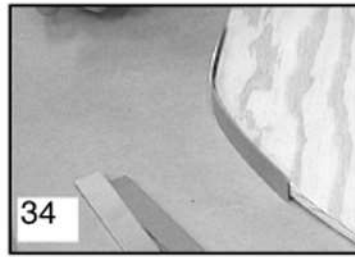
32

### STAGE 3

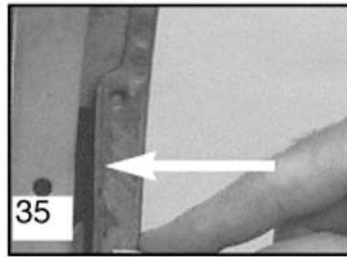
## MODIFYING THE VENT WINDOW AREA TO ACCEPT THE NEW GLASS



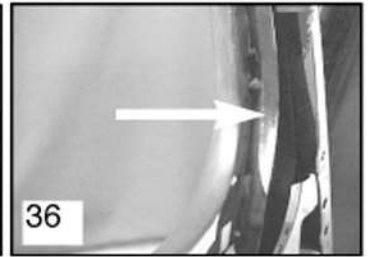
33 The felt channel must be supported. Our door does not have a support where the vent window was so we will have to weld one in.



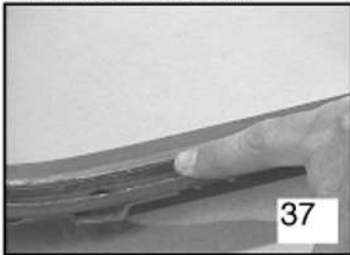
34 Using the wooden glass template bend a metal strip to match the area where support is needed.



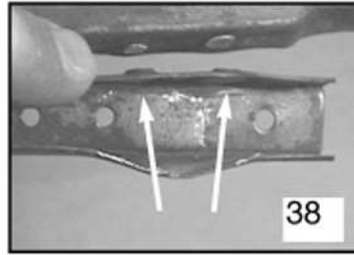
35 The support should set in from the edge 1/2"



36 Here is our support welded in place. Make sure the inside window trim still fits properly.



37 Our inside trim has the vent window rubber support channel that we must remove.



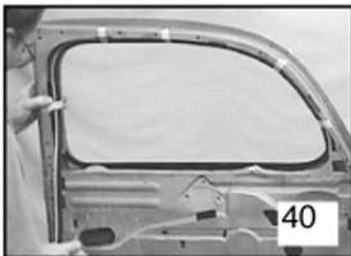
38 If you grind the heads of the spot welds they will break away easily.



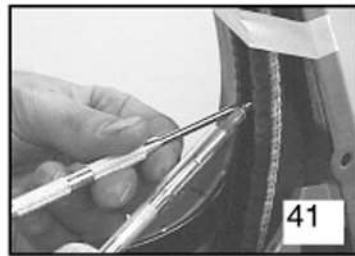
39 Here is our trim pre fit with the felt channel.

### STAGE 4

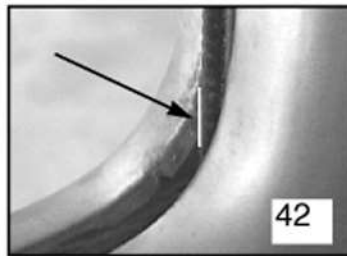
## INSTALLING THE GLASS RUN CHANNEL AND WHISKER SEALS



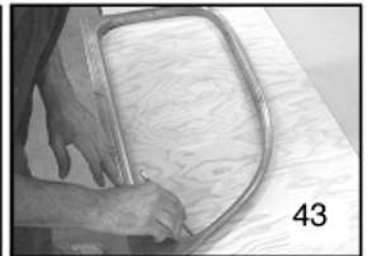
40 Glass run channel can be mount with screws or 3M Super Weather Strip Adhesive (black)



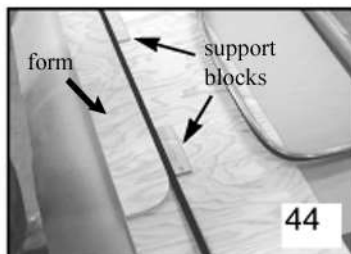
41 If you use screws drill 1/8" pilot holes.



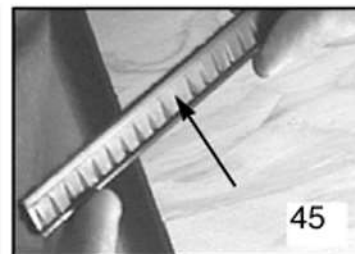
42 Now mark where the glass run channel sets. This is where the whisker strip or rubber strip will stop.



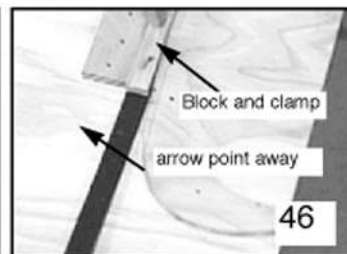
43 To form the whisker strips you will need to make a forming jig the shape of the door.



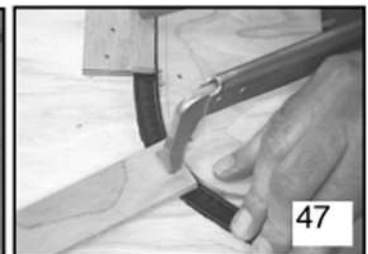
44 Cut out the form and attach it to another board



45 Look at the back of the whisker strip. The arrows must point AWAY from the form



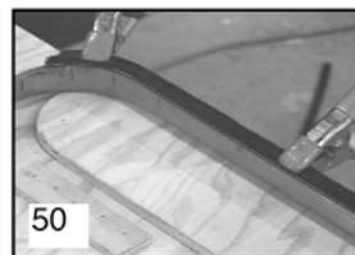
46 Hold the whisker down with a block and clamp. Make sure the arrows are pointed away from the form because they only bend one way.



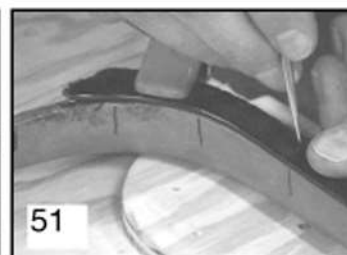
47 As you form the radiused area go easy! Do not get too far ahead of the clamp. Keep moving the clamp as you go.



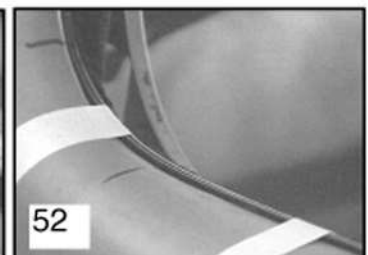
49 A little twisting action will keep the inside bead of the whisker from binding and buckling while you form it.



50 With the strip formed and trimmed attach it with screws or 3M adhesive. If you are glueing the strip you will have to wait until the car is painted.



51 If you use screws it is a good idea to mark where the screws will fit before you begin.



52 We have taped the strip in place and are ready to drill the pilot holes.



You are now ready for the glass.  
A local glass shop can cut a window  
from your template but if you want



tempered glass with the polished  
edge you can contact Peninsula  
Glass Company.



Here is the glass installed

Hagan Street Rod Necessities  
[info@haganauto.com](mailto:info@haganauto.com)  
[www.haganauto.com](http://www.haganauto.com)

For tempered glass call:

Peninsula Glass Company  
6005 NE 121 st. Ave.  
Vancouver, Wa 98682  
(ph) 800-468-4323  
(fax)360-892-8152