Phone (209) 400-7200 Fax (209) 943-7923 www.wildhorses4x4.com

INSTALLATION INSTRUCTIONS

This kit is designed to eliminate the wind wing window of the driver and passenger doors and replace them with an enlarged one piece window.

Mirrors can be mounted to the front window support by placing threaded inserts through the metal triangle to secure the mirror in place. Mirrors and mounting hardware are available on the website at mikesmetalworx.com.

Kit Contents:

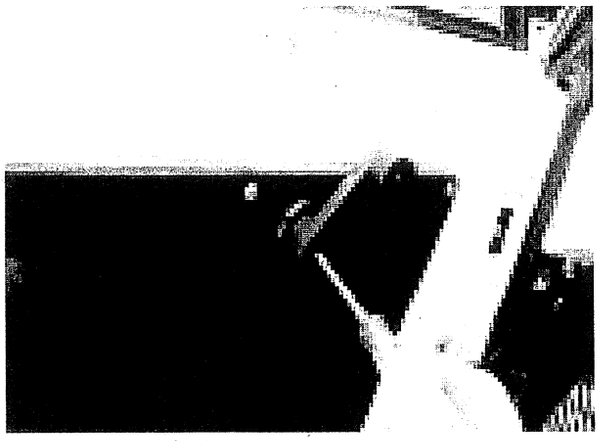
Right and left front window supports,
Right and left glass panels,
Right and left regulators,
Right and left outside window seals,
Right and left inside window felt,
(2) adjustment support brackets,
(2) flexible window felt channels,
(4) 8mm x 1.25 flanged button head screws,
(4) 8mm x 1.25 flange nut,
(12) 6mm x 1.0 flanged hex bolt,
(4) 6mm x 1.0 flanged hex nuts,
(2) 8-32 x 1/2 Phillips pan head,
Instruction Sheet

Tools Required:

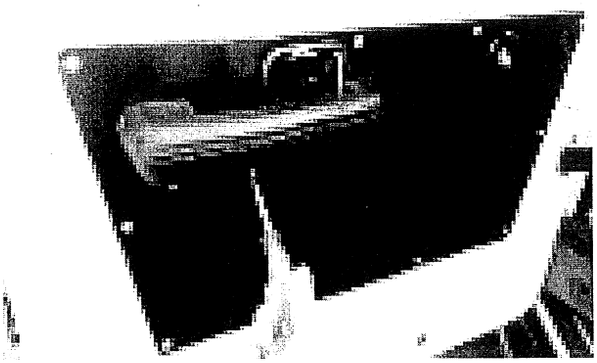
10mm Socket	7/16" Socket	Ratchet
5/32" Hex Wrench	Phillips Screwdriver	9/32" Drill Bit
Drill Motor	Tape Measure	Silicone
Cutoff wheel	Deburring Tools	Marking Pen
Clamp	Bondo Spreader	
Safety Glasses	Wood Block (21.5" long)	

Other tools may be required depending on the fasteners used to assemble your existing components.

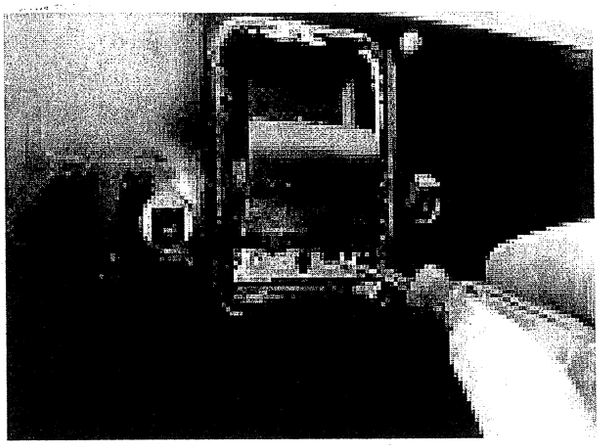
DOOR DIS-ASSEMBLY



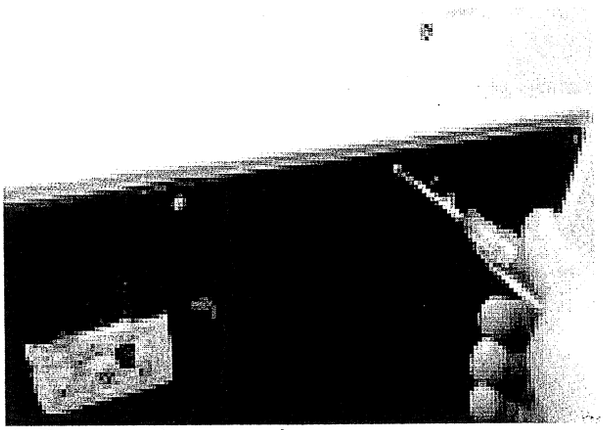
1. Remove window crank.



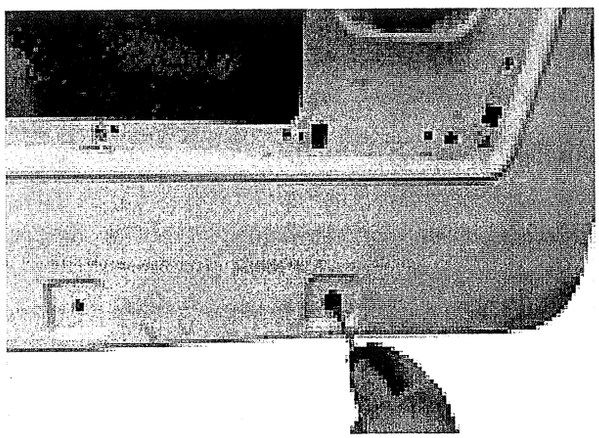
2. Remove arm rest. Note: During re-installation, replace the front screw with the supplied shorter screw.



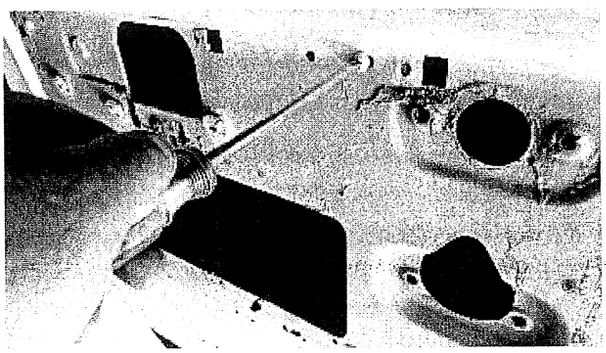
3. Remove inside door latch.



4. Remove door panel.

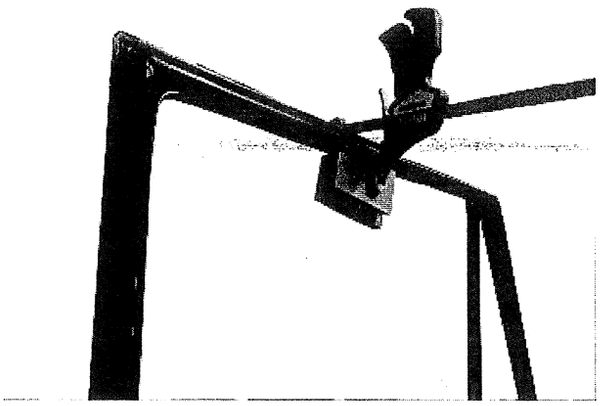


5. Remove both lower door screws. If the screw is rusted in place, drill center of screw with a 1/4" drill bit until head falls off.

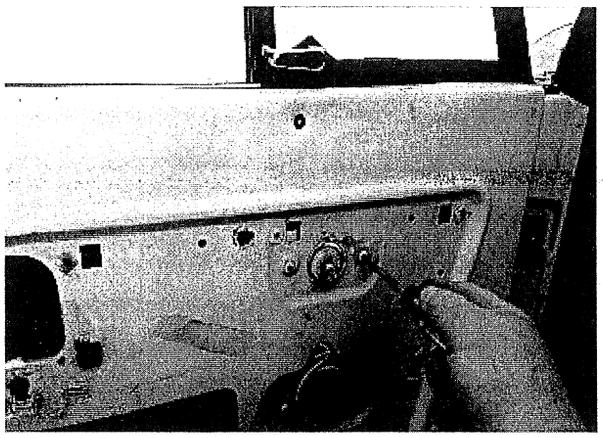


6. Remove upper support screw and remove window channel from inside door and discard.

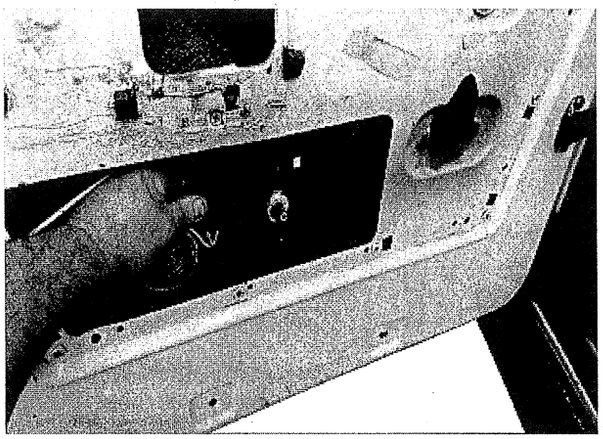
Door Dis-assembly Continued



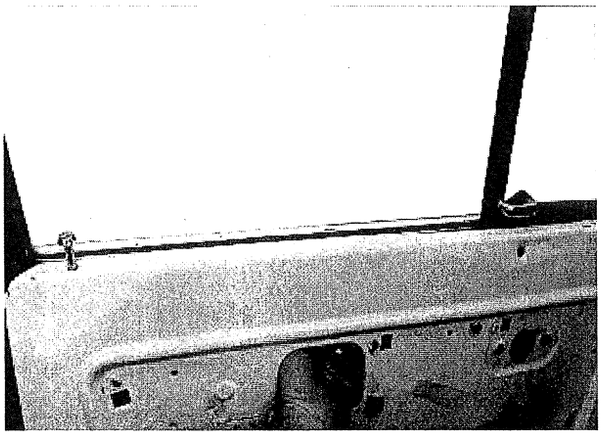
7. With window in the raised position, clamp window to keep it from falling while working on the internal components.



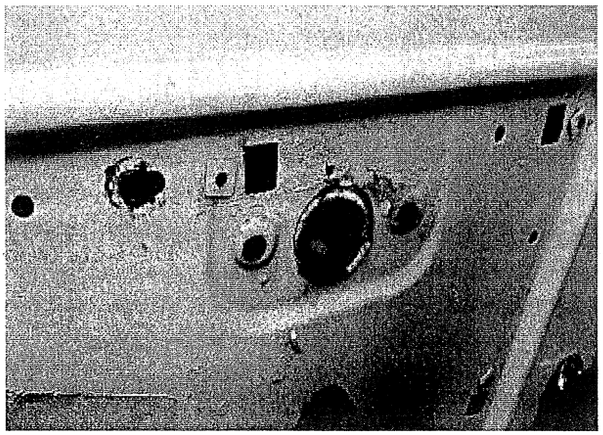
8. Remove the three screw holding the regulator in place.



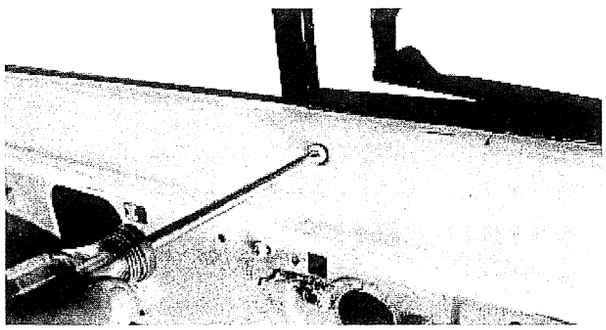
9. Swing the regulator down and slide the arm toward the front of the door to dis-engage the arm. Remove the regulator.



10. Hold the glass up and remove the clamp. Lower the glass into the door.

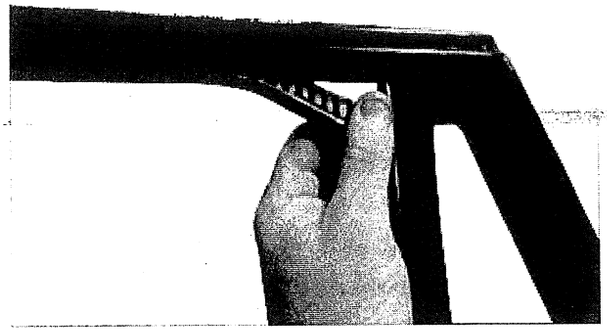


11. If your door has putty around the handle opening, remove it at this time. Putty will not allow the new regulator to sit properly.

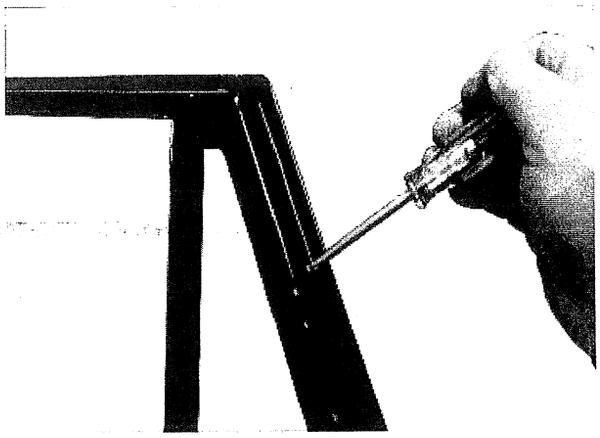


12. Remove the center wind wing support screw. Rust penetrant sprayed from outside at screw threads will help if rusted.

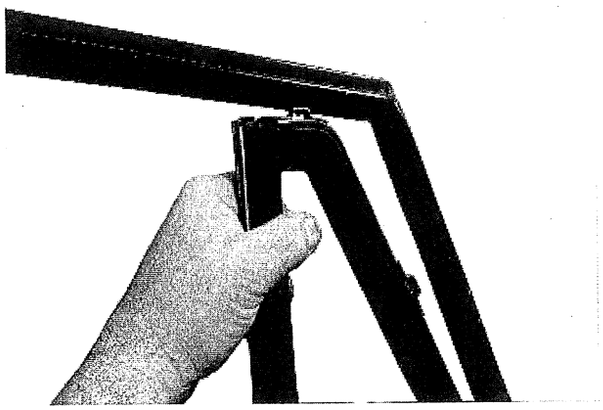
Door Dis-assembly Continued



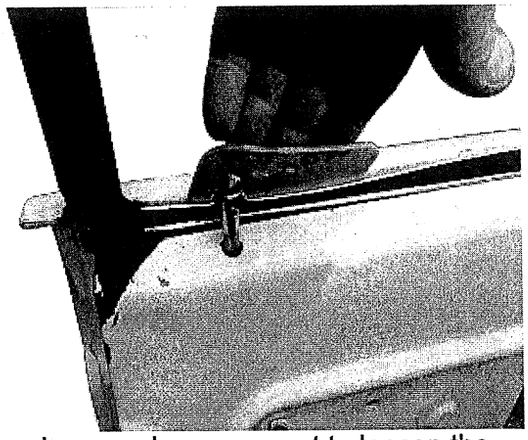
13. Remove felt channel from the top and rear of door frame.



14. Remove the four screws (three at thr front and one at the top of the frame) holding the wind wing in place.



15. Grasp the wind wing near the top and pull toward the rear to free the wing from the frame and remove.

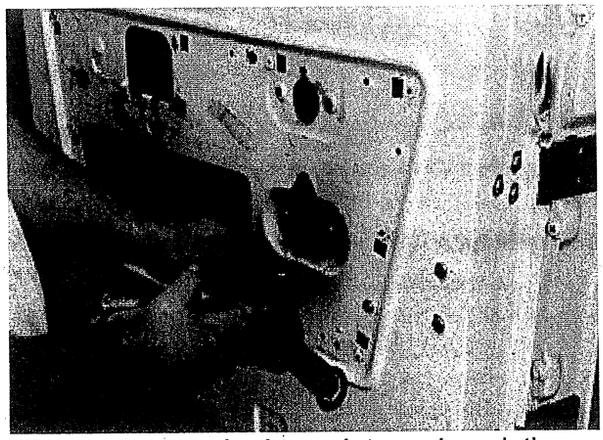


16. Bondo spreaders are great to loosen the window felt without scratching the finish. Work the felt up and remove.

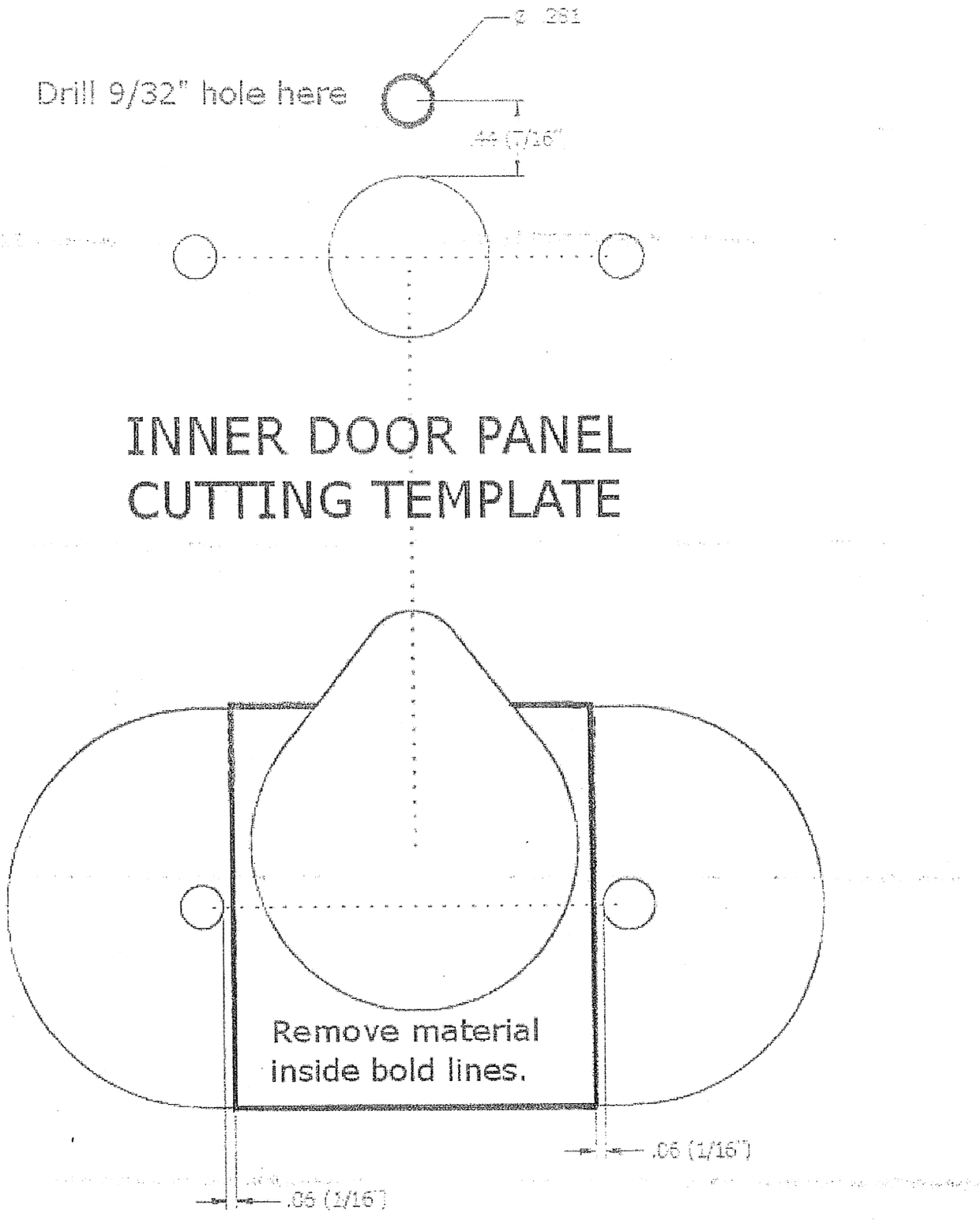
Door Modification

If your vehicle is finished and you will not be re-painting the door, this is where you will need to be very careful. It is a good idea to put a couple layers of tape on top of both sides of the door frame for protection in case you accidently slip while cutting the cross brace and wind wing support out.

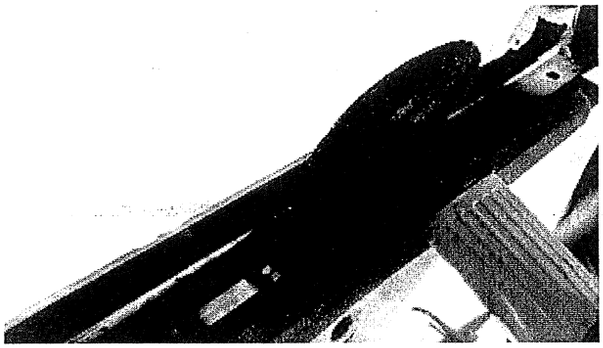
Caution: protect all glass surfaces from flying sparks. Hot sparks can be embedded in glass surfaces and will be impossible to remove.



17. Use the attached template and mark the door for cutting. Cut the area out to allow clearance for the regulator spring and drill the top regulator mounting hole.


Drill 9/32" hole here
.06 (1/16")
INNER DOOR PANEL
CUTTING TEMPLATE
Remove material
inside bold lines.
.06 (1/16")
.06 (1/16")

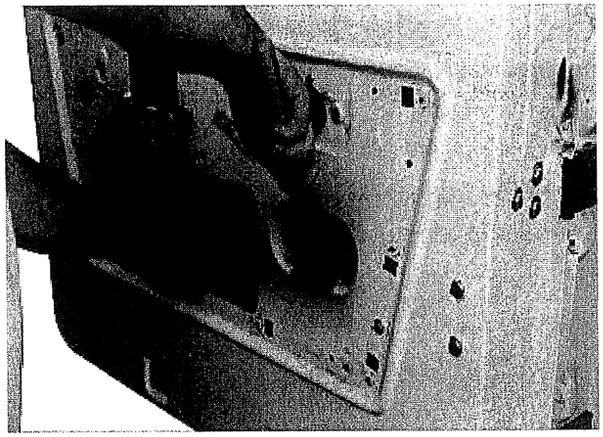
Door Modification Continued



18. Remove the short cross brace between the inner and outer door panels and remove the windwing support attached to the inside door surface. Do not remove the long front brace.

A cutoff wheel makes short work here.

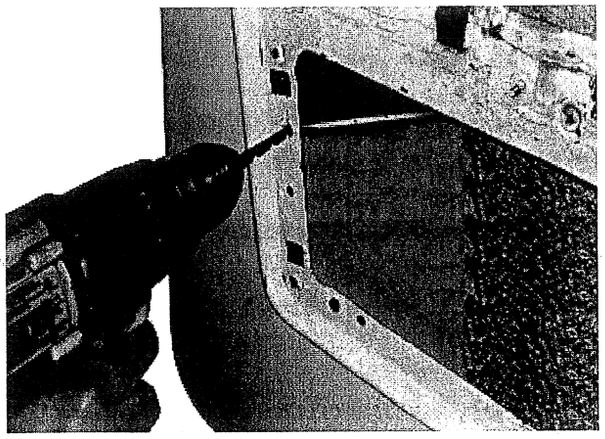
Note: To protect the finish and help stop paint scratches and chips, place several layers of masking tape across door edge.



19. Use caution and remove all burrs from the cut area of the door so as not to get injured during the assembly process.

Caution: When drilling holes in the door, make sure the drill bit will not hit anything inside or the outer panel as an unsightly ding will appear if this happens.

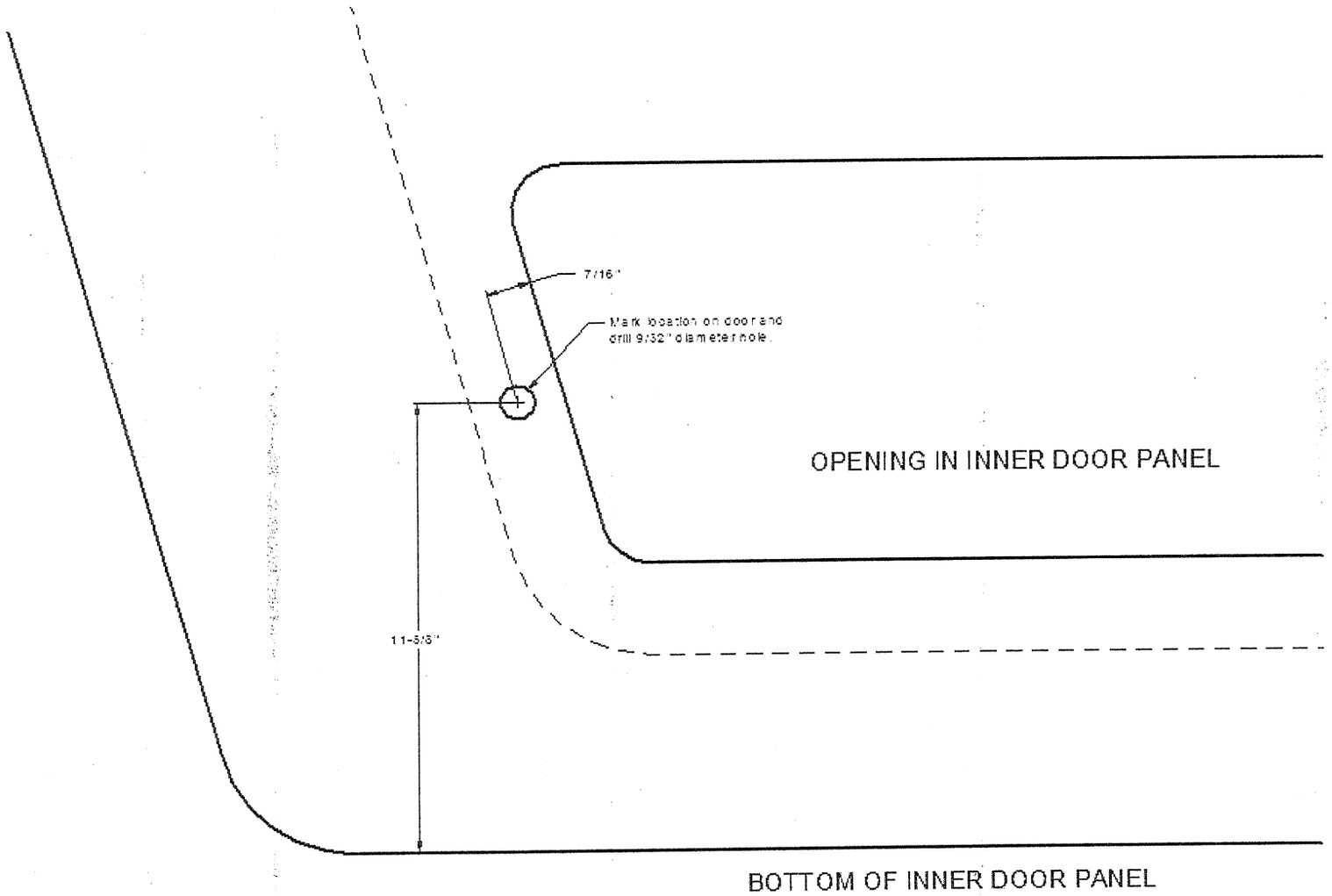
To reduce the length the drill bit will penetrate through the surface where the hole is required, drill a hole in a scrap of wood to use as a spacer to protect from the bit protruding to far through the surface. and dinging the outer panel.



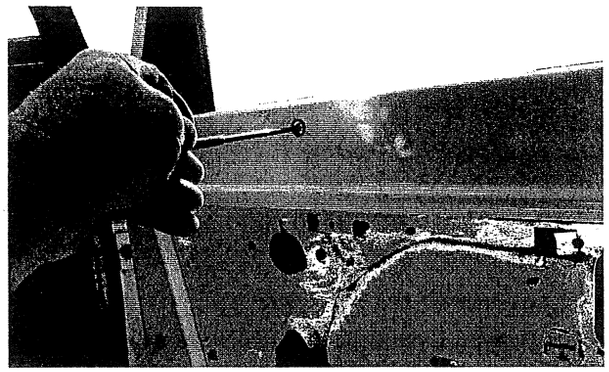
20. Mark hole location from supplied template and drill a 9/32" diameter hole for rear adjustment support.

If you need to repaint the door due to repairs, now is the best time to perform this operation as assembly of the new parts will start in the next section.

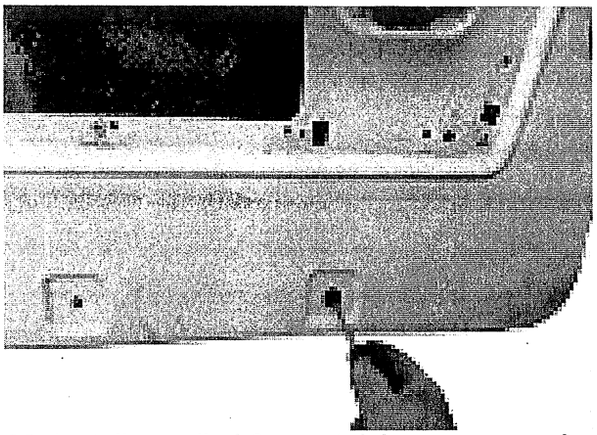
Always paint or prime all bare metal sections after cutting is complete to keep rust from starting.


7/16"
Mark location on door and drill 9/32" diameter hole.
OPENING IN INNER DOOR PANEL
11-5/8"
BOTTOM OF INNER DOOR PANEL

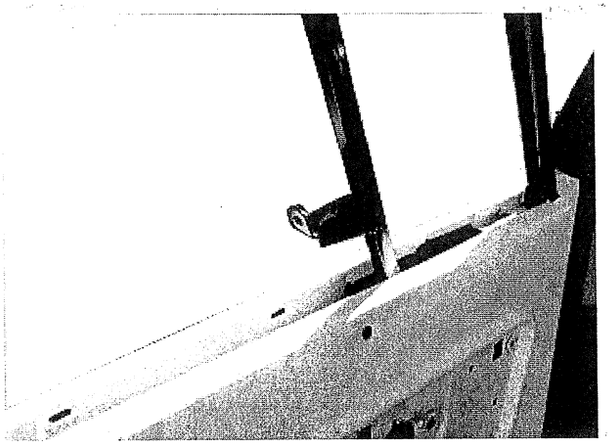
Door Assembly



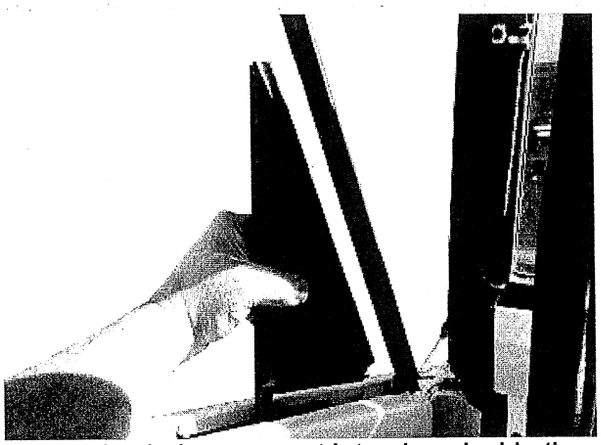
21. Install supplied 8mm stainless screw and nut in top wind wing support hole to fill the hole location and tighten. This hole can be welded and filled if repainting will be performed.



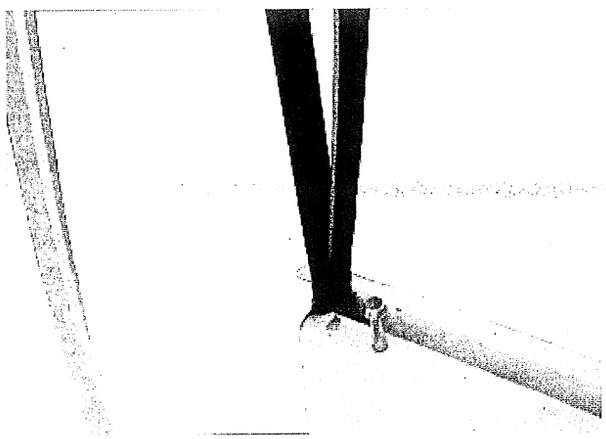
22. Install supplied 8mm stainless screw and nut in bottom window hole to fill the hole location and tighten. This hole can be welded and filled if repainting will be performed.



23. Slide new window support inside door being careful not to scratch the finish.

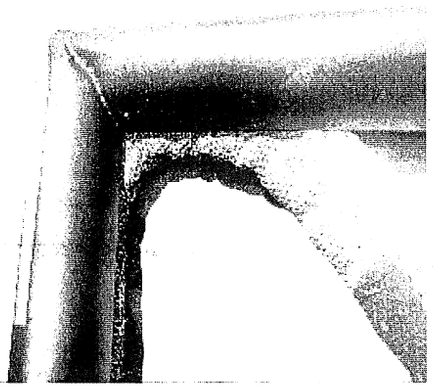


24. Push window support into place inside the groove on the front door frame. Do not secure the support at this time.

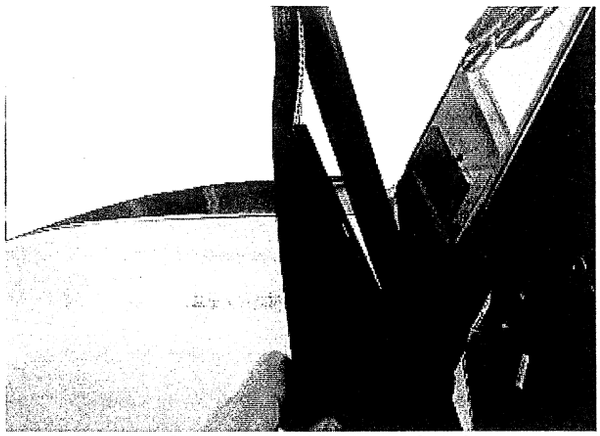


25. Insert the new window channel felt into the rear part of the door approximately 3". Felt channel should start on top of lower rear window support and continue up and around window frame.

Note:
If your lower rear window support felts are worn out and the felt is missing, now is the time to change these. The lower supports keep the windows from rattling and scratching the glass when the windows are down.

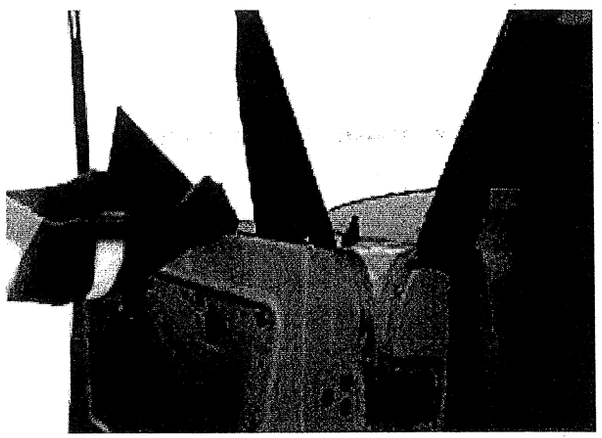


26. Work felt into groove in door frame and press tight into the corners as you work your way across the top and down the front edge.

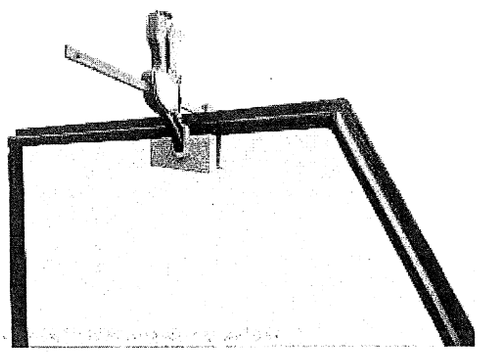


27. After the felt channel is completely installed, pull the top edge of the new window support away from the door frame.

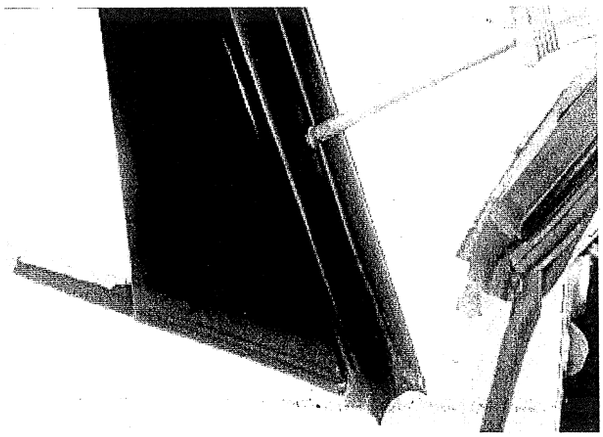
28. Insert new window into door. Guide window into front felt channel.



29. Guide rear window edge into felt channel and lower slowly. Do not drop glass window as damage can occur.

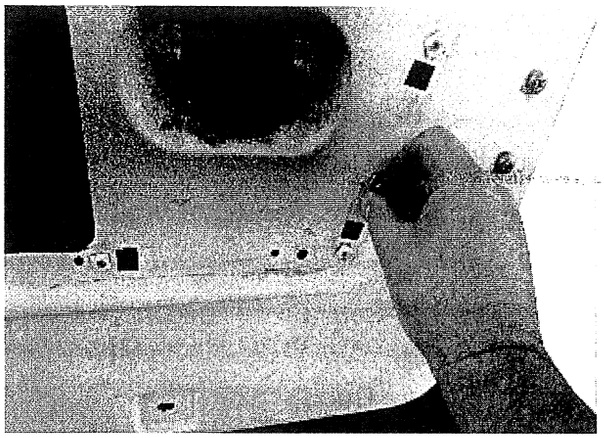


30. Raise glass up into new felt channel. Make sure glass stays inline with front support felt channel and clamp in place. Press front support firmly into door frame before raising glass.
Note: a block of wood 21-1/2" long will support the bottom of the glass while clamping.

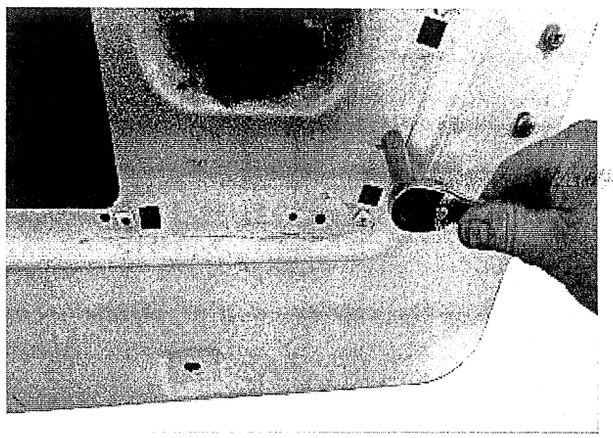


31. Install the new 8-32 x 1/2" long screw through lower front window frame hole to fasten window support in place. Hold front support down firmly to seat seal while tightening screw. Fill the remaining 3 holes in the door frame with a silicone that best matches with the finish.

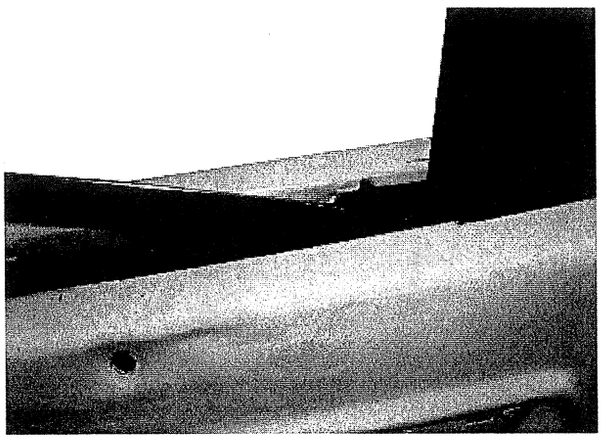
Door Assembly Continued



32. Install lower 6mm hex bolt window support fastener. It may be necessary to elongate hole to align with support bracket.

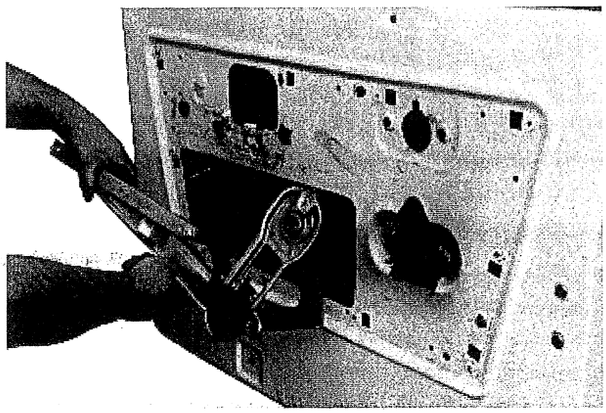


33. Tighten lower support fastener securely with a 10mm socket and ratchet.

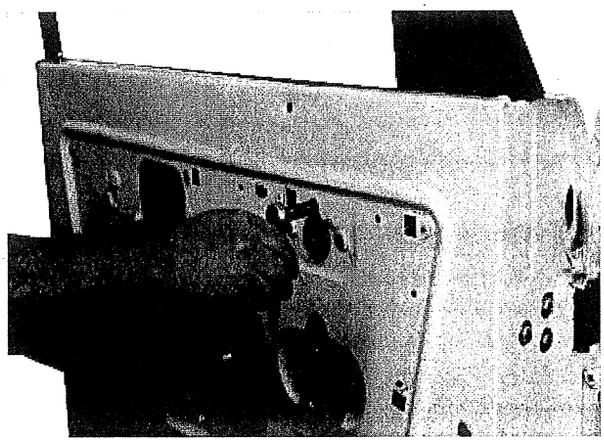


34. Install window felts now. The beaded felt will install on the inside while the scraper type felt will be on the outside. The shiny bead will face up.

Start at the front edge. Slide the clip up under the door edge and slowly tilt the felt down toward horinzontal while making sure each clip inserts into its corresponding hole in the door edge.
A little masking tape on the tops of the door edges will keep the clips from scratching the paint.

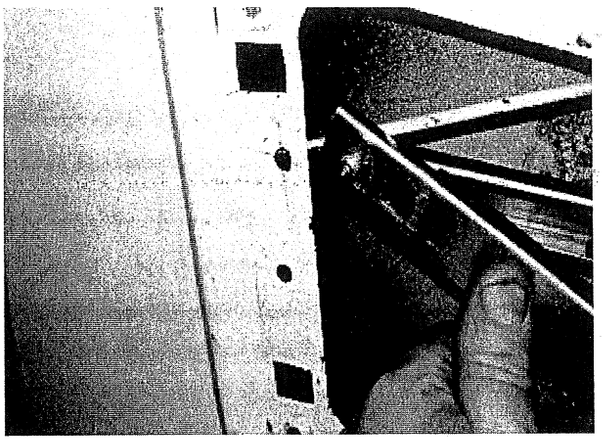


35. Slide the regulator into the door.

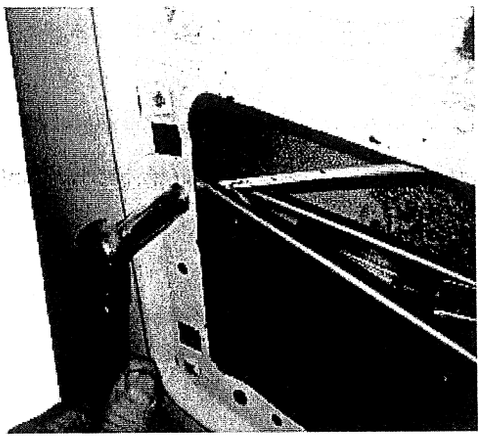


36. Install (3) 6mm hex bolt fasteners to secure the regulator in place and tighten securely with a 10mm socket and ratchet.

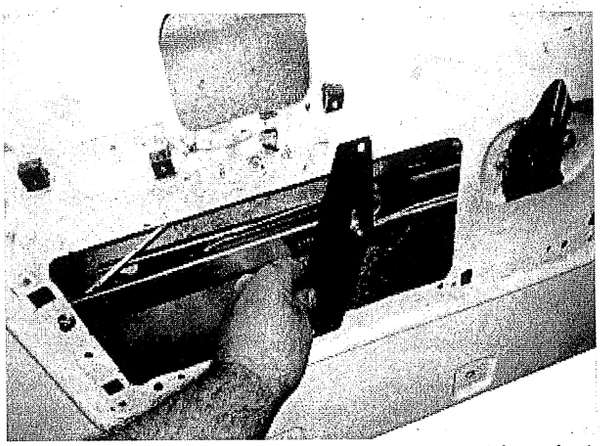
Door Assembly Continued



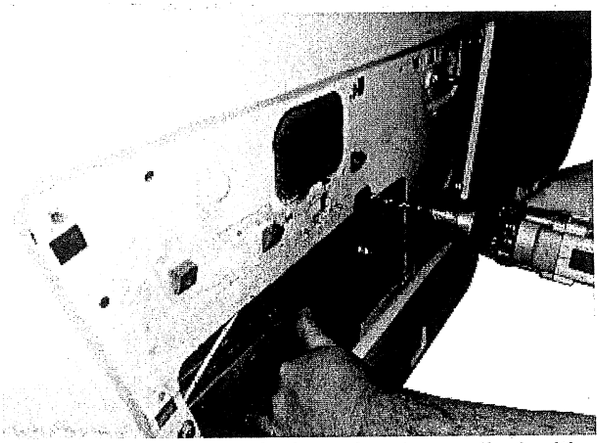
37. Remove the nut on the adjustment bar, insert stud through drilled hole in inner rear door panel and re-install nut.



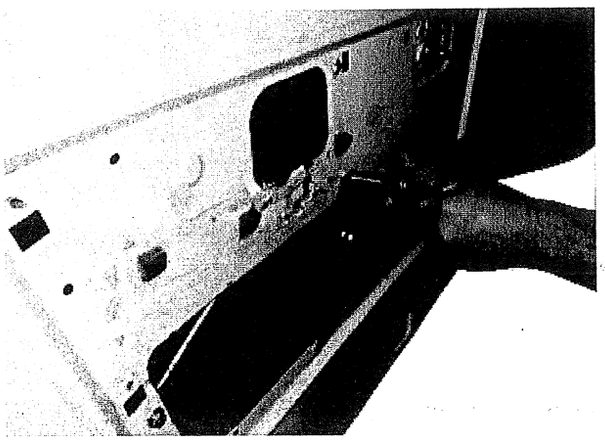
38. Tighten nut securely with a 10mm socket and ratchet.



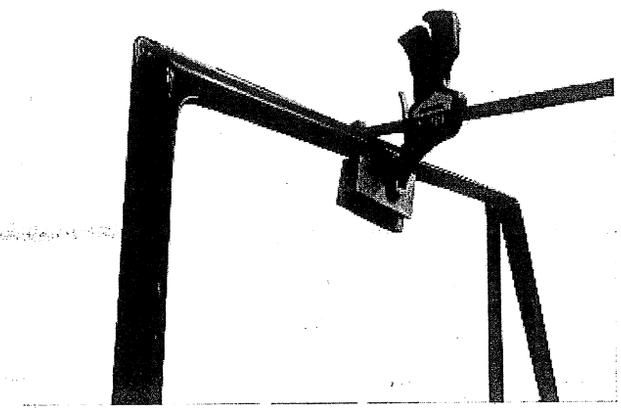
39. Install the front adjustment support bracket onto the adjustment support stud and install nut. Do not tighten nut at this time.



40. Install 6mm hex bolt and nut supplied with the kit into the bottom hole. Drill top hole with 9/32" drill bit.

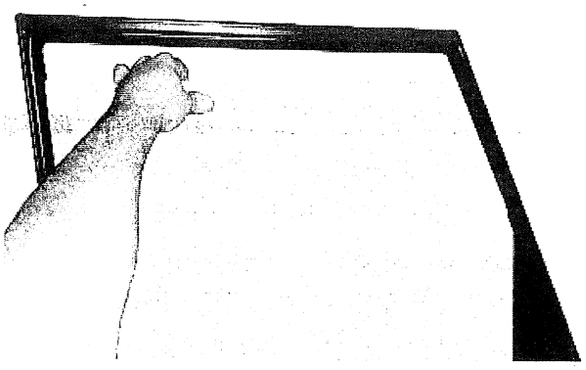


41. Install 6mm hex bolt and nut supplied with the kit into the top hole and tighten both top and bottom fasteners securely.

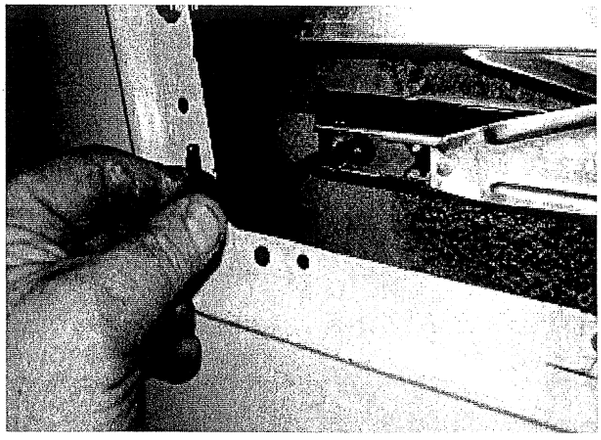


42. Hold glass firmly at the bottom and release clamp.

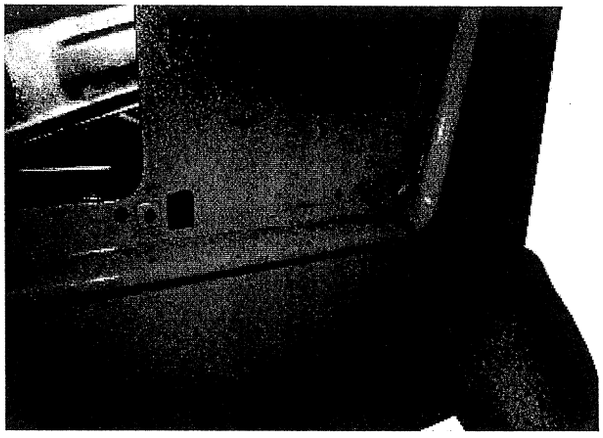
Door Assembly Continued



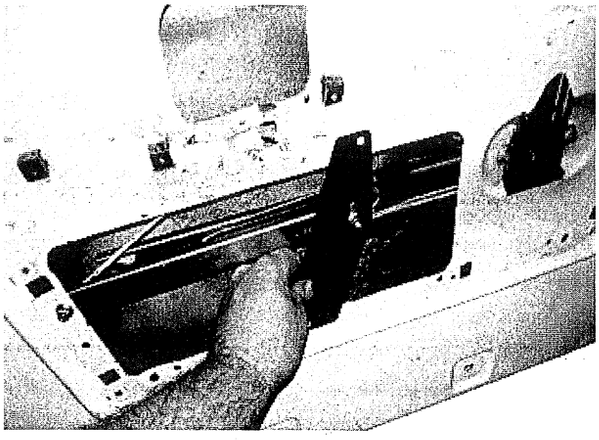
43. While holding glass fimly, lower glass until glass channel support insersects with the regulator bar. There is a fastener at the front and rear of the glass channel support. Slide the regulator bar in place onto the front fastener. There is a slot in the front of the regulator bar that will guide the fastener in place. While sliding the bar forward, make sure the rear fastener also engages the regulator bar mounting hole.



44. Using a 5-32" hex wrench, Tighten the rear fastener securely.



45. After the rear fastener is tight, it may be necessary to raise or lower the window to allow the hex wrench to intersect the front screw head. Insert the hex wrench thru the forward door hole and tighten the front fastener.



46. Roll the window up to about 1/4" from the top door frame. The adjustment bar mounts in a slot to allow for glass leveling. Raise or lower the adjustment bar to level the glass so that it appears parallel with the top door frame and tighten the nut with a 10mm socket and ratchet.

Return to step 4 and follow the steps in reverse order installing the door panel, door latch, arm rest (new screw in kit) and window crank to complete the install.