

2416U

READ AND UNDERSTAND INSTRUCTIONS BEFORE STARTING INSTALLATION

Specialty Power Windows Part #2416 will fit most 1948 and earlier cars and trucks, having window glasses 24 inches or longer and a height of 15³/₄ inches or less.

The following instructions are for cars and trucks that do not have a vent glass.

THIS SYSTEM WILL WORK IN CARS WITH A VENT GLASS BY STARTING INSTALLATION FROM THE REAR OF GLASS.(I.E. Start universal glass channel from rear. Make all measurements from the rear.)

We recommend that you replace glass run channels unless you have really good ones.

Lubricate rollers, roller track and **all** pivot points with white spray lube or something similar. Grease edge of gear with grease and pack counter balance spring with same.

1. Remove necessary interior and hardware.
2. Remove glass and regulator.
3. Remove originals stops. Some vehicles have upper and lower Remove both.
4. Remove lower original glass channel and track from glass. NOTE: Some Chevy Trucks have a roller track that will accept our roller, but it will be necessary to leave out the center track retaining screw.
5. Install new glass channel as shown in (Fig. 1). Remove excess from rear of glass.

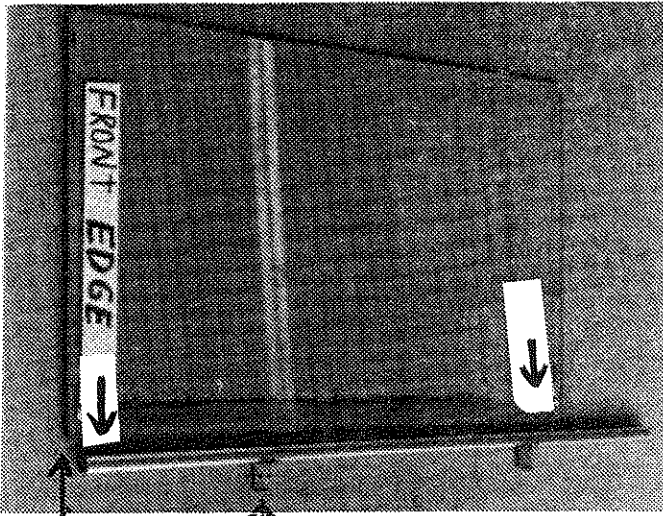
ON CARS WITH WIDE FELT RETAINER IN DOOR IT WILL BE NECESSARY TO REMOVE SOME GLASS CHANNEL FROM BOTH ENDS.

NOTE: Cars with vents will remove excess channel from front edge.

6. Install glass in door and hold or prop it in the correct down position. On cars with open lower door as shown in (Fig. 2), install the front mounting bracket 5 inches to the rear of front run channel. Be sure the white line on bracket is in line with roller channel (Fig. 2). Install other mounting bracket 3 11/16 to the rear of front bracket. (Fig. 2) Be sure to align white mark with roller channel. Drill a 5/16 hole at the nearest flat surface that mounting bracket lays on. Use 1/4 x 20 locking nuts and bolts to attach bracket. Cut off excess bracket.

7. Establish these lines carefully. On cars that are closed in at the bottom you will need to establish a vertical line 5 inches to the rear of front run channel rear edge (Fig. 3). You will also need to establish a horizontal line with the center of roller channel (Fig. 3)
After establishing these two lines, position the template as shown in (Fig. 3) and scribe a line around edge of template, the area covered by the template will need to be cut out. (Fig. 4)
Install mounting brackets so white marks on brackets line up with lower roller channel line. (Fig. 4) Front bracket will be in line with vertical line, other bracket will be 3 11/16 to rear of front bracket. (Fig. 4)
8. Establish a horizontal line 3 inches above regulator. Measure back 8 inches from front run channel and 24 inches and drill two access holes to help in installing lower roller track retaining screws. 1/2 inch holes are big enough. (Fig. 5)
9. Install motors to brackets. Install motors onto regulators using 5/16 thread forming bolts with washers. (Washers go on bolt headside). Install motor so that it faces same way as lift arm. (See illustrations)
10. Install regulators. Lower arm has a slot. In this slot use a bolt to create an up stop if desired (Fig. A)
11. Run wire harness as desired.
12. To install FWC (Flexible Wire Conduit)
Drill a 15/16 hole in hinge pillar and a 3/4 hole in front edge of door. These holes should be in line. Install grommet with metal bushing in hinge pillar. Lubricate grommet to aid in installation. This grommet can be pulled in using piece of fish line. This method is similar to roping in a windshield. Install smaller grommet in door. Conduit can be twisted into this grommet.
13. Cars with wood in the hinge pillar will need to use the nylon bushing in place of the metal lined grommet. This bushing can be cross pinned or glued in (uses 15/16 hole). When using nylon bushing you will drill 5/8 hole in door. Insert spring and pin in.
14. Reinstall a lower glass stop at location shown in (Fig. 6)
15. Rear doors and quarter glasses that go only 1/2 way down will still be installed as if they went down same amount as the front door. (Fig. 7) Regulator will be in 1/2 up position when installing.
16. Some cars will require cutting an area shown in (Fig. 8) to mount brackets for quarter glass regulators.
17. The procedure is the same for installing rear doors and quarter glass regulators as described in steps 6 and 7 for the front door.

ILLUSTRATIONS



8 1/2 in. from edge of glass to center of tab

Fig. 1

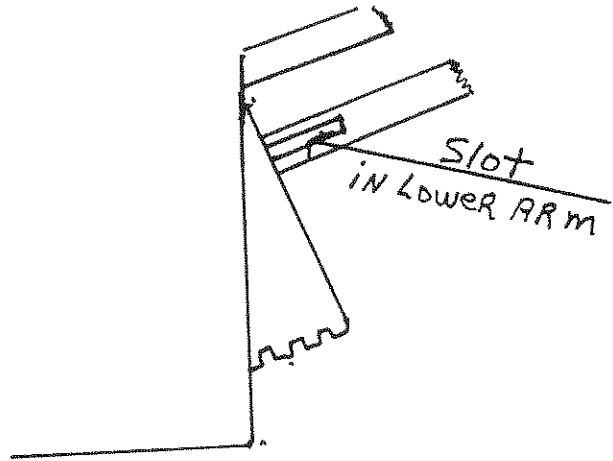
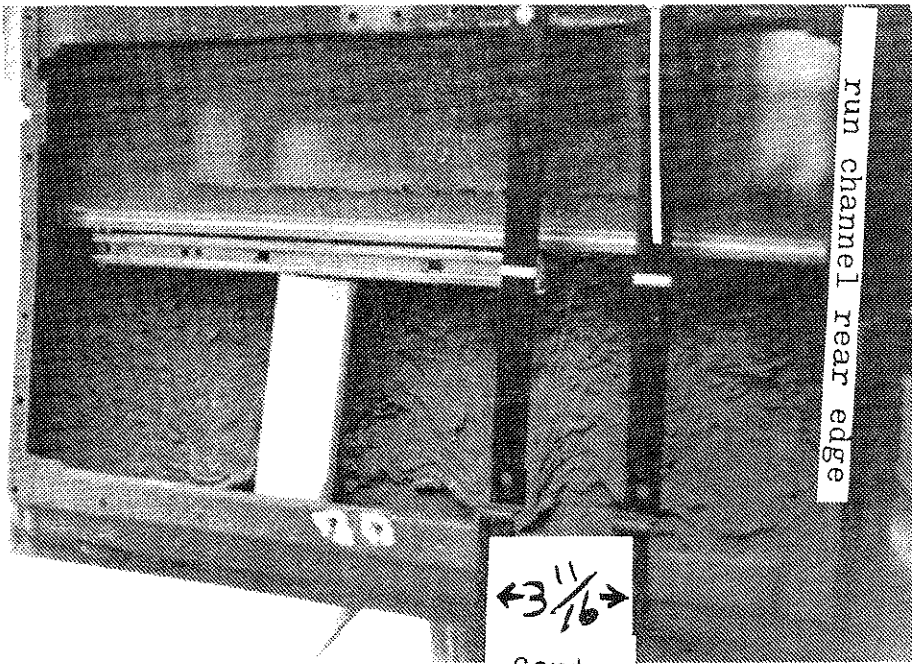


Fig. A



center to center
Fig. 2

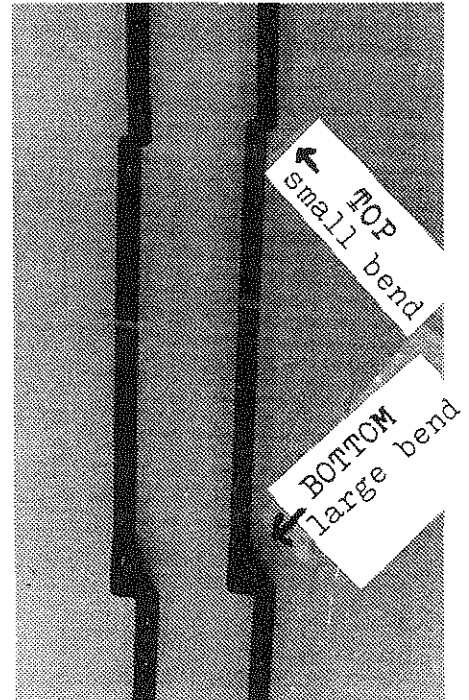


Fig. B

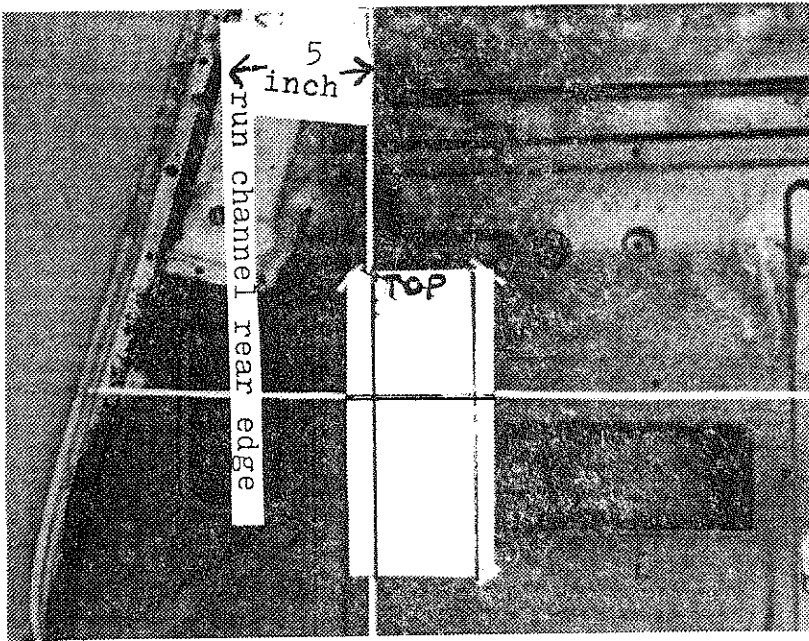


Fig. 3

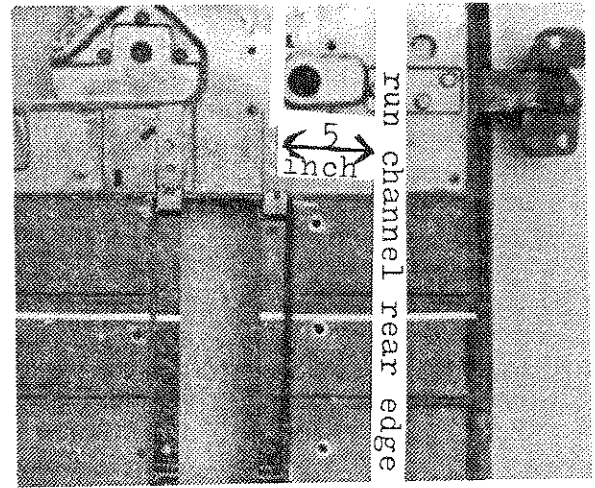


Fig. 4

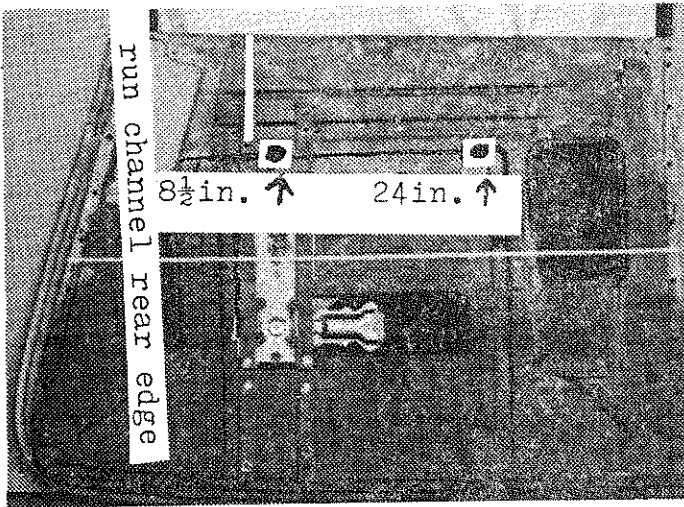


Fig. 5

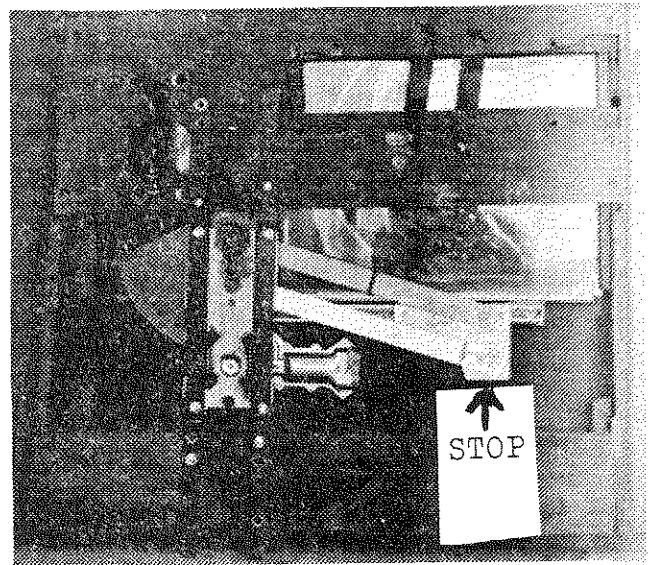


Fig. 6

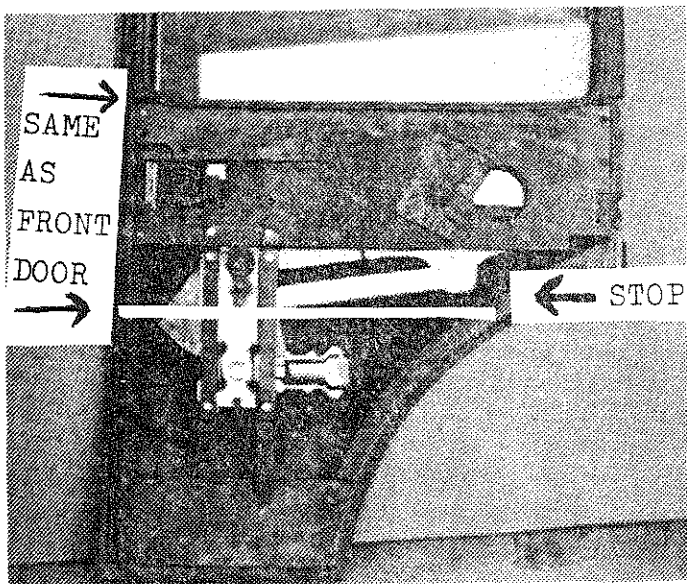


Fig. 7

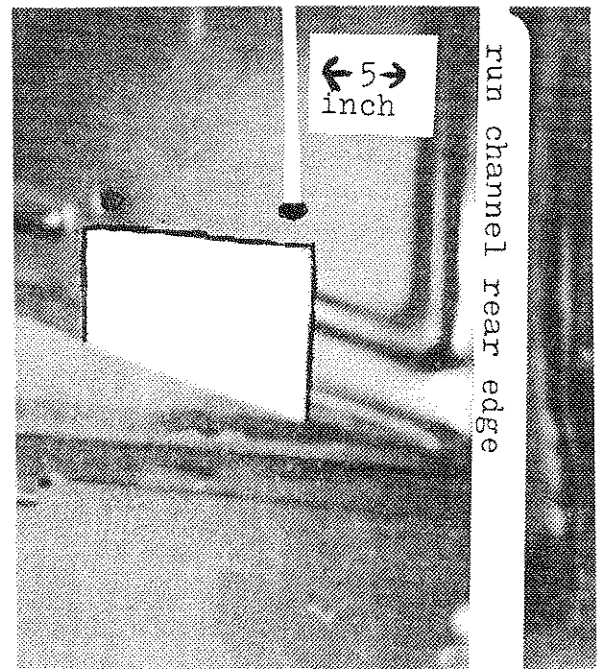


Fig. 8

NOTICE

ON CARS THAT HAVE SMOKERS GLASS, VENT EFFECT (GLASS SLIDES BACK WHEN IT IS LET UP). ON THESE CARS IT MAY BE NECESSARY TO FILL CHANNEL (OR REPLACE IT) SO THAT GLASS CANNOT SLIDE BACK INTO CHANNEL. IF GLASS SLIDES BACK INTO CHANNEL IT WILL HAVE A TENDENCY TO HANG.

Things to do when installing window regulators. These things apply to **ALL** regulators, whether they are manual or power.

Before installing regulator:

1. Check to be sure glass moves up and down freely in felt run channels. Check front to rear movement. There should be very little movement front to rear.

If glass seems to be slightly snug try powdered graphite in felt channel. Do not use oil type lubricant in felts because it will collect dust and dirt.

If the glass will still not move up and down freely, check the run channels in door and be sure they are perpendicular to each other.

If run channel is right and graphite powder didn't do the trick, remove glass and take it to a local glass shop and have them run the edge of the glass over their belt sander a couple of times.

Don't over do it.

2. Before installing the regulator use a light to medium lubricant (not axle or wheel bearing grease) and lubricate **ALL** pivot points, roller or slide channels, (If channel is rusty remove first). Lubricate rollers, slides, counter balance spring and gear teeth.
3. On power regulators make sure motors are securely mounted.
4. Install regulator and make sure all bolts holding regulator and mounting are tight.
5. Check operation of regulator slowly the first time and look for any possible interference with the other parts of the door (door pull straps, etc.). This check should be done before installing trim panel.



SPECIALTY POWER WINDOWS®

WIRING FOR TWO WINDOWS

LEFT FRONT

WINDOW LIFT MOTORS

RIGHT FRONT

