

Dear fellow 1800 fanatics:

If you were at the Valley Forge Meet or at this past swap meet at club headquarters You would have seen an Orange ES with a rear wiper. At Valley Forge it was not connected and the washer was not installed yet, but at the swap meet it all worked
As promised in an earlier newsletter here is how it was done.

Parts list:

1. 12V SEAGEE Wiper (Available from marine suppliers like Goldbergs' Marine 202 Market St., Phila.,PA
19106 800-523-2926 P/N T550062
\$26.59)

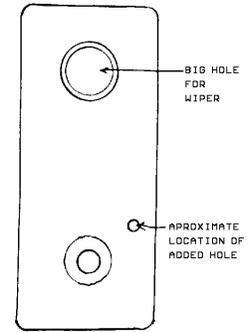
A kit from HELLA #87190 spears to be similar. As long as the diameter of the threaded shaft is 3/8" it will fit.

2. Windshield washer kit J.C.Whitney #17-9167R \$9.99

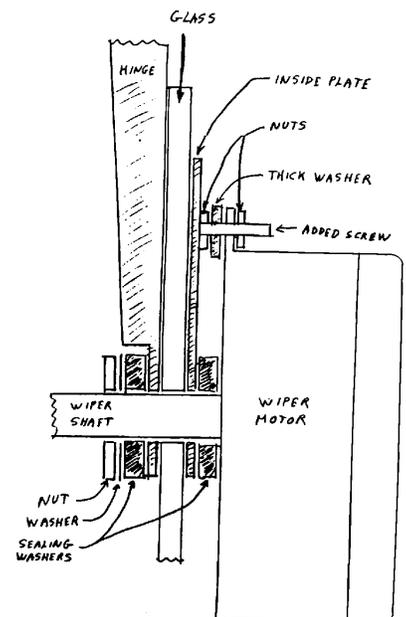
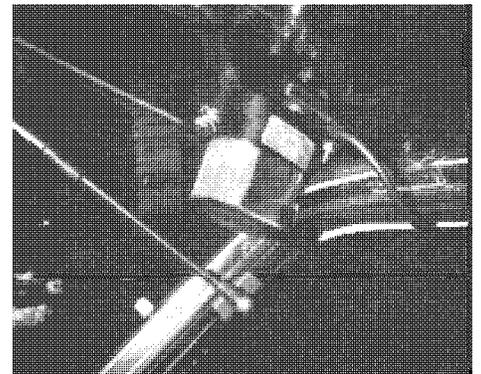
3. Washer jet Volvo P/N 684212 (aprox \$5.00 had to make it look like the stock system)

With a helper remove the screws on the drivers side hinge (The helper is needed to support the glass) A cover on the outside will now come off (the lower end) remove the inside plate and replace the upper screw to hold the glass in place until the remaining work is done. The lower screw hole is bigger and the wiper motor shaft will fit thru this.

Now take the wiper motor and put the shaft thru the inside plate. Orientate the motor such that the stabilizing lug is towards the top of the inside plate and mark the center of the hole in the stabilizing lug onto the inside plate. Drill a hole for a 6-32 screw in this spot. Put a 1" long screw thru this hole from the inside of the plate and a nut on the other side and tighten. The plate can now be re-installed with only the one screw on top.



SKETCH OF INSIDE HINGE PLATE (NOT TO SCALE)



ASSEMBLED SECTION (NOT TO SCALE)

Now install the wiper motor thru the glass with one of the sealing washers on the inside and a thick washer on top of the added screw. Put the outside hardware on the wiper shaft and tighten. now put another nut on the added screw and tighten. Now put the washer jet onto the body (see photos for location only one hole is required and the jet snaps in place) There is just enough room between the outside metal and an inside frame in the body for the hose to go to the washer bag that you mount in the drivers side storage area (connect the hose to the jet before installing and feed it into the body cavity and leave the hose long enough so you can pull the washer bag out to fill it). All that remains is to wire up the washer and wiper, refer to the wiring instructions with each unit for details.

The owner of the ES is Norman Brainin #2262

The writer of this article is Robert H. Foltz #2291
1911 Mulford Ave. Bronx, N.Y. 10461 (212)863-0964