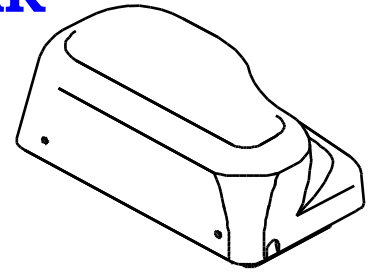
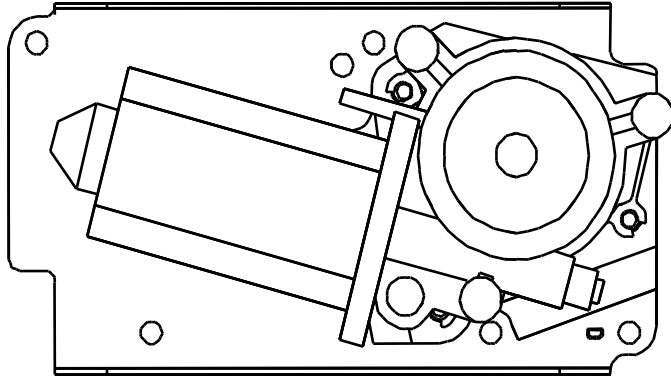


# SUGGESTED INSTALLATION INSTRUCTIONS COMMERCIAL VEHICLE SYSTEMS' ELECTRIC POWER WINDOW KIT VOLVO, WHITE, AND AUTOCAR

## Mounting/Wiring Instructions



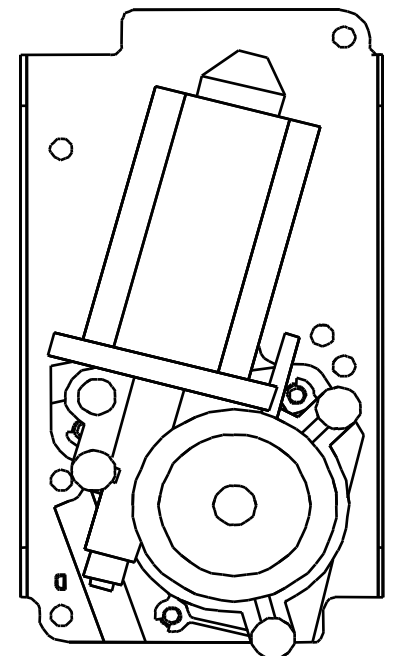
- 1 Manually lower glass to 2"-3" from bottom of travel.
- 2 Remove manual crank handle and sleeves, adapters, etc., from shaft.
- 3 If door is NOT upholstered, attach self-adhesive rubber pad to back of motor assembly. If upholstered, discard pad.
- 4 Install motor assembly onto splined adapter. For all applications *except* the COE Driver Side, mount the motor assembly horizontally, as shown below.



All applications, *except*  
COE Driver's Side

Use Holes D, E, and F  
or A, B, and C, per  
Step 6

- 5 For the COE Driver Side Application, mount the motor assembly vertically, as shown.



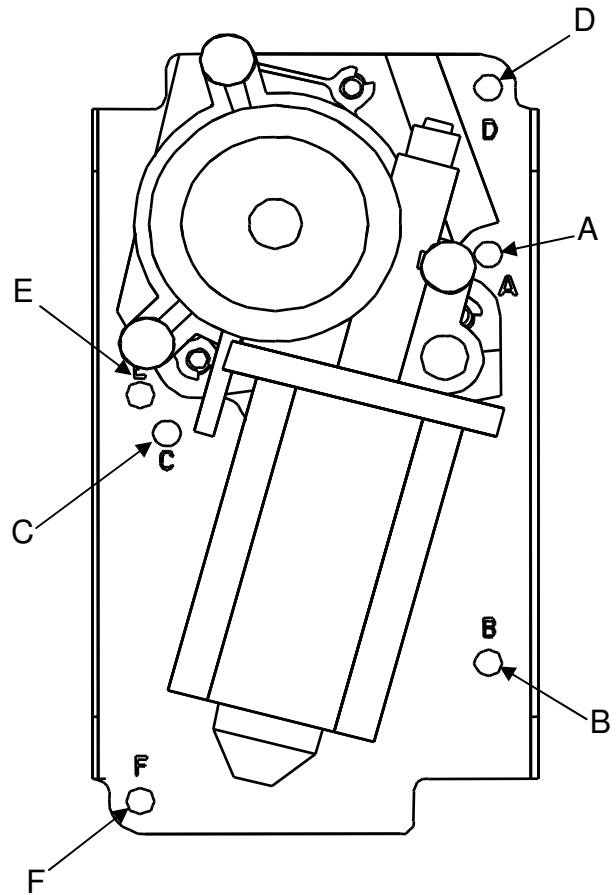
COE application

Use Holes B, C,  
and D, per Step 6

## 6 Mark Holes:

The motor assembly plate has six (6) mounting holes, labeled A through F. Holding the motor assembly in desired position, mark the (3) mounting hole locations, as noted below.

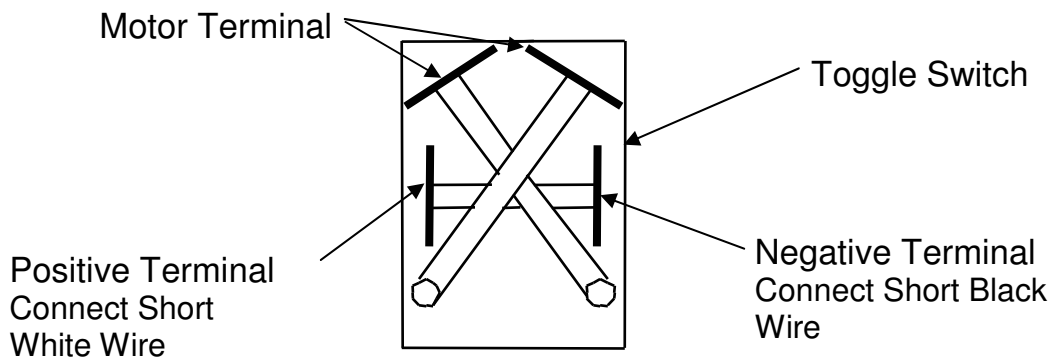
- 6.1 For Passenger Side applications, use holes "D", "E", and "F".
- 6.2 For Driver Side applications, **except COE**, use holes "A", "B", and "C".
- 6.3 For Driver Side COE applications, use holes "B", "C", and "D".
- 6.4 Optional: If you wish to conceal the motor wires, make a mark at one of the two (2) notched corners of the motor assembly plate. Cut a 1/2" hole in the upholstery at this mark, and feed the long wires through, between the upholstery and the door panel.



To conceal motor wires on non-upholstered doors, if desired, drill a 1/2" hole in the door panel, and run the wires through the door. Be careful not to run the wires through the moving parts of the door mechanism. Use a rubber grommet (not supplied) to protect the wires where going through the door.

**CAUTION: ALWAYS WEAR EYE PROTECTION WHEN OPERATING POWER TOOLS.**

- 7** Mount Motor Assembly:
- 7.5 Drill three (3) 5/32" mounting holes at the marked locations, position the motor assembly in place.
  - 7.6 Attach the motor assembly to the door panel with the three large screws and lock washers provided.
  - 7.7 Insert the terminals into the supplied Connector Housing, and attach to the motor.
- 8** Mount the switch at the desired location on the dash, through a 1/2" hole.
- 9** Route the wires from the door to the switch. Be careful to route the wires so that they won't be pinched or damaged. See below for switch connections.



- 10** Connect the short black wire to a suitable ground.
- 11** Connect the short white wire to a fused, 15 AMP power source.

**CAUTION: Do not connect the hot lead UNTIL all other wires are connected per the wiring diagram. Always be certain the power source is fused.**

**12** Operate the system. If the switch position does not match the direction of movement of the glass, swap the motor (long wire) terminals at the switch. DO NOT swap the short wire connection.

**13** Install the cover with the four (4) small screws provided.

NOTE: There are two sets of screw holes in the bracket to accommodate varying upholstery thicknesses.

**14** Enjoy the convenience of your new Commercial Vehicle Systems window lift

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