



HAPPIJAC COMPANY

ELECTRIC JACK INSTALLATION

MAIN CIRCUIT BOARD

Location: Should be located inside the camper near the front bed wall. This is generally in the area of the main electrical panel. Nine foot motor wires are provided for the front jacks and twenty foot wires for the rear. It is VERY IMPORTANT that the shorter wire sets be used at the front. Because the weight is greater here than at the rear, the current draw is greater and shorter wire runs improve performance. Make sure that all wires will reach corner (where they are to pass through the camper) from chosen mounting location.

Mounting: The main circuit board is mounted vertically with the four (4) 3/4" screws provided. It is not necessary to remove the circuit board from the enclosure. Access holes exist in the corners of the circuit board for mounting. Once the board is secured, attach the red (+) and black (-) motor leads as indicated in the schematic drawing on the enclosure lid. The circuit board is also marked. Connect a 10 awg wire, not provided (of proper color code for your camper) between the ground terminal lug on the circuit board and the camper ground bus or battery negative (-) terminal. Once all of these connections are made, connect a 10 awg wire, not provided (of proper color code for your camper) through a 40 amp breaker (not provided) directly to the positive (+) battery terminal. *NOTE: It is a good idea to mark all leads to the circuit board for easy reinstallation if it is ever necessary to disconnect them.*

JACK CONNECTOR (Junction) BOXES

Location: The four (4) junction/connector boxes are placed on the outside of the camper at the four corners. For the rear installations, (see fig. 2) they are placed just below the 16" Z mounting bracket. At the front, (see fig. 1) the recommended location is under the overhang or wing wall.

Mounting: After determining desired mounting location, drill 5/8" hole. Line up hole in bottom half of connector box with hole in camper and secure with two (2) 3/4" screws provided. Pass motor wires from inside camper through this hole.

For technical assistance call HAPPIJAC COMPANY
1-(800)-231-7440

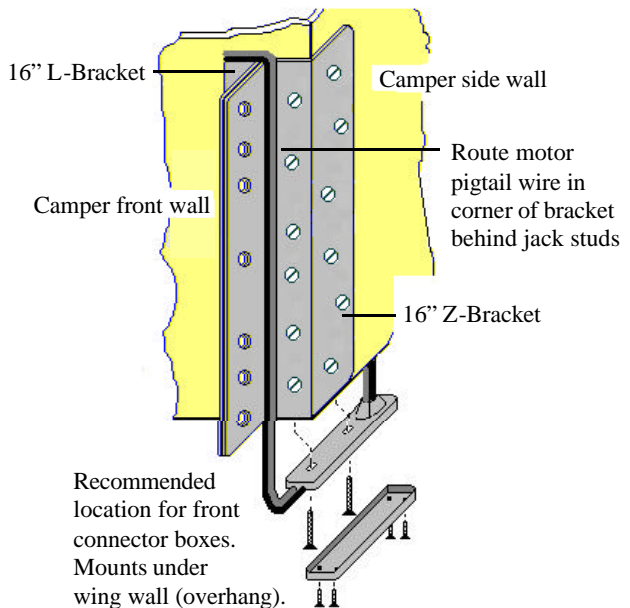


Fig. 1 - Drivers Side Front Corner

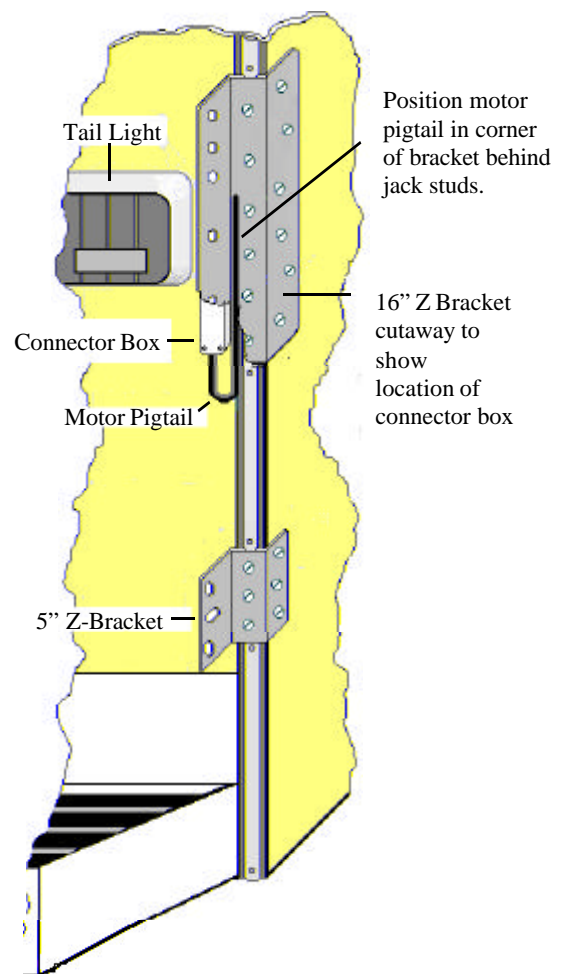


Fig. 2 - Passenger Side Rear Corner

REMOTE CONTROL PASS-THROUGH CONNECTOR

Location: The best location for this connector is just inside the camper door. Exterior mounting is only recommended if watertight integrity and security can be maintained, such as a watertite locking compartment. The inside location provides better security, but care must be taken not to crush coiled umbilical wire in the camper door. **Important:** Mount in vertical surface only to prevent moisture or condensation from pooling in connector.

Mounting: After determining desired location, and ensuring a clear run for the flat (white) phone cord to the main circuit board, use hole saw to cut 7/8" dia. access hole. (fig. 3) Feed white phone cord from outside in.. Seat and secure connector using screws provided. Connect other end of phone cord connector to main circuit board.

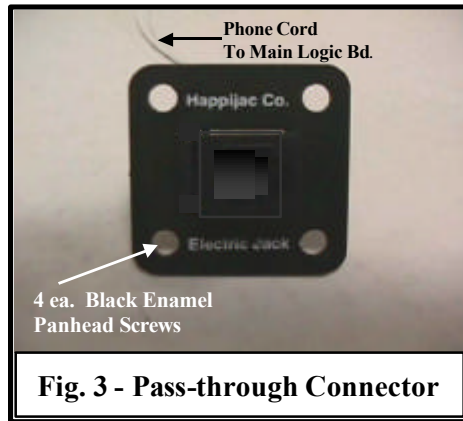


Fig. 3 - Pass-through Connector

MOTOR HEAD INSTALLATION

The motor heads are installed onto the jacks as shown in Fig. 4. To do this remove the plastic cap & plastic drive coupler & spring from the top of the jack. The spring will be reused.

IMPORTANT: Replace plastic drive coupler with steel drive coupler provided with motors. Install coupler, spring, & (new) steel washer onto motor shaft as shown in Fig 4. Place motor head into top of jack and secure with hardware provided. **Tighten just until snug.** Over tightening can strip out plastic in motor head. NOTE: It may be necessary to rotate the crank socket slightly to allow the motor drive coupler to align with motor housing drive shaft.

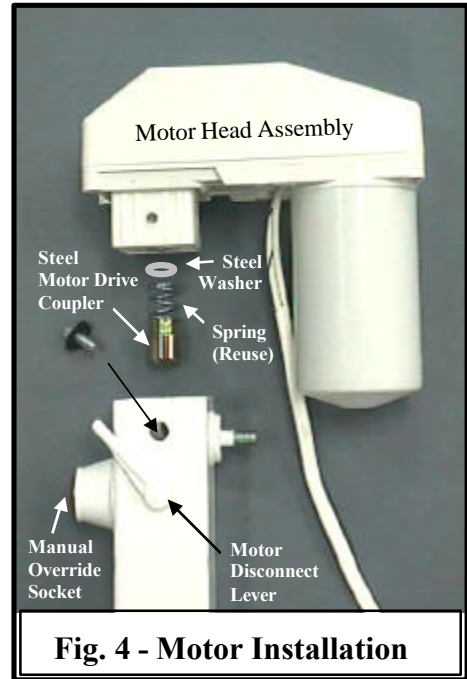


Fig. 4 - Motor Installation

JACK INSTALLATION

Once the motor heads are in place, the jacks install as shown in Fig. 5. As the jacks are being set in place, route the motor pigtail wire down the inside corner of the bracket, behind the jack stud bolts as shown. Tighten mounting nuts & bolts to 25 ft.lbs. Torque. (Over tightening may result in stress failure.)

MOTOR ELECTRICAL CONNECTION

Plug the motor pigtail into the interior motor wires (previously installed) passing through camper wall. Fill hole through camper wall with silicone. Place the 2 halves of the plastic strain relief provided with the connector box, around the motor wires on the camper side of the connector and press firmly into hole. Position connector inside connector box and secure the cover with the four (4) small screws provided. Refer back to fig. 1.

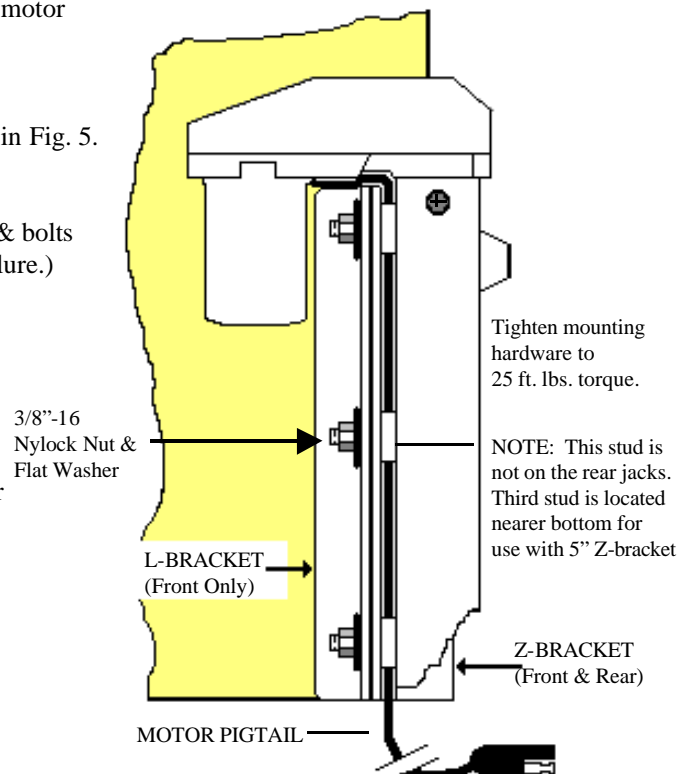


Fig. 5 - Drivers Side Front Corner

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