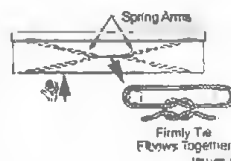
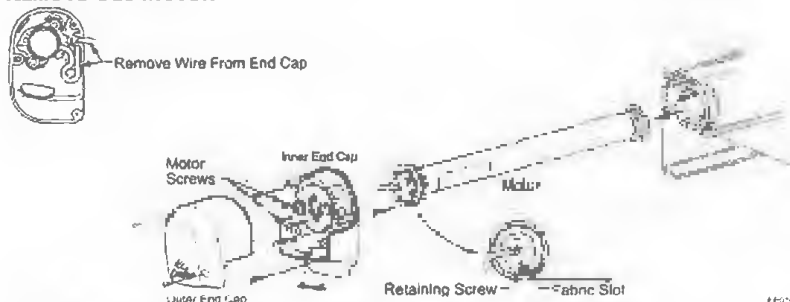


MOTOR REPLACEMENT

- 1 Disconnect power to the awning
- 2 **If the awning is extended:** Carefully push the lead rail toward the case so that the arms collapse. While holding the lead rail in this position, firmly tie the elbows of the spring arms together. Use a minimum 1/2" rope - do not use bungee cords. When tying the rope, use a non-slip knot such as a square knot or equivalent.
- 3 **If the awning is closed:** Firmly brace the lead rail in the closed position. A second person can hold the lead rail steady during the disassembly process.



CAUTION FAILURE TO SECURE THE LEAD RAIL AS DESCRIBED WILL ALLOW THE SPRING ARMS TO EXTEND OUT SUDDENLY POSSIBLY CAUSING PERSONAL INJURY AND DAMAGE TO THE AWNING.

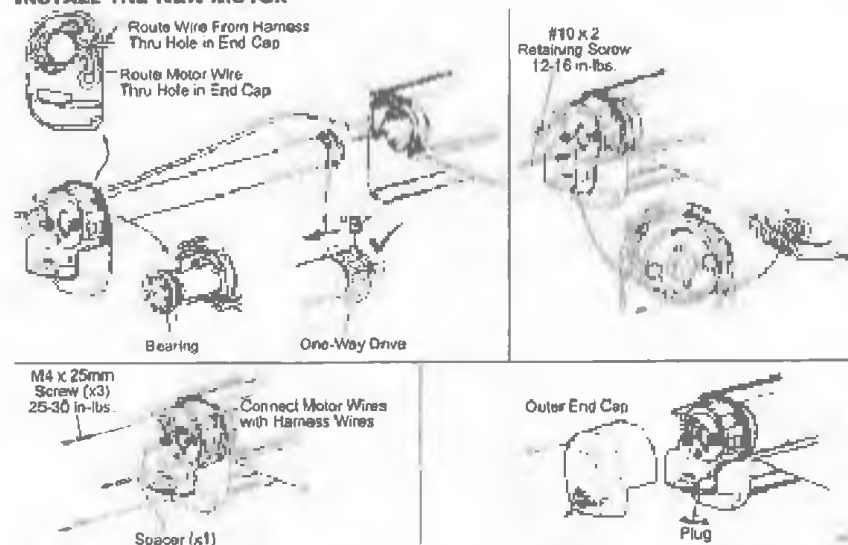
REMOVE OLD MOTOR

- 1 Remove the two (2) screws holding the outer end cap. Set the cap and screws aside.
- 2 Disconnect the motor wire quick disconnects located under the outer cap.
- 3 Remove the three (3) screws and spacer holding the inner end cap to the case. Remove the two (2) motor screws.

CAUTION IF THE AWNING IS CLOSED WHEN THE INNER END CAP IS DETACHED, THE SPRING ARMS WILL TRY TO OPEN. CONTINUE TO HOLD THE LEAD RAIL CLOSED.

- 4 Carefully pull the inner end cap away from the case and remove the wires from the end cap. Set the end cap aside.
- 5 Remove the fabric retaining screw then pull the motor out of the roller tube and set aside.

CAUTION IF THE AWNING IS CLOSED WHEN THE MOTOR IS REMOVED, THE SPRING ARMS WILL TRY TO OPEN. SUPPORT THE ROLLER TUBE AND ALLOW THE AWNING TO OPEN SLOWLY THEN SECURE THE ARMS BY TYING THE ELBOWS TOGETHER AS DESCRIBED PREVIOUSLY.

INSTALL THE NEW MOTOR

- 1 Check that the one-way drive is installed on the new motor assembly with the "B" pointing toward the motor.
- WARNING** THE ONE-WAY DRIVE MUST BE ORIENTED WITH THE "B" FACING THE MOTOR. IF THE DRIVE IS NOT ORIENTED CORRECTLY, THE AWNING NOT TO OPERATE AND THE ARMS WILL SPRING OUT WHEN RELEASED.
- 2 Route the new motor wire through the hole in the end cap.
- 3 Align the one-way drive with the roller tube and start sliding the new motor into the roller tube.
- 4 Route the wire from the harness through the hole in the end cap.
- 5 Align the bearing on the motor and slide into the roller tube.
- 6 Through the access hole in the inner end cap, attach the fabric retaining screw through the bearing and in the fabric slot. The screw must be positioned to thread into the metal of the roller tube slot and the edge of the polycord. It may be necessary to rotate the roller tube to align the access hole and fabric slot.
- 7 Align the screw holes in the inner end cap and attach to the awning case using three (3) M4 x 25 screws and 1 spacer in the front attach hole.
- 8 If not previously done, terminate the wires from the motor with .187 male disconnects to match the harness wire. Attach the motor and harness wires, matching the wire colors (Blue to Blue and Brown to Brown). Fold and tuck the wires and connectors to fit inside the outer end cap.
- 9 While holding the lead rail, carefully remove any roller tube supports and arm ties. Allow the lead rail to extend until the fabric is taut. If the lead rail continues to extend after the fabric is taut, the one way drive was installed backwards. Retie the arms, remove the motor and orient the one way drive as shown.
- 10 To test, restore power then extend and retract the awning.
- 11 After replacing the motor, it will be necessary to adjust the motor limits. (page 11)
- 12 After testing and adjusting the motor limits, attach the outer end cap.