

## Procedure 7.4 - Replacing the Power Cable Harness

### Removing the Power Cable Harness

1. Turn off the climber with the circuit breaker, then unplug the power cord from the wall outlet.

#### **WARNING**

Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

#### **Note:**

Take care not to damage the cables when you perform the next step.

1. Remove the screws that secure the power entry module to the climber frame. Pull the module out of the climber.
2. Disconnect the lower ribbon cable, remote sensor cable and magnet harness from the lower PCA.
3. Remove the nut that secures the wires on the power entry module ground stud. Remove the wires from the ground stud.

#### **Note:**

Set the power entry module on a work bench while you perform the following steps.

4. Remove the brown wire from the circuit breaker line terminal. Do not remove the brown wire from the circuit breaker load terminal.

#### **Note:**

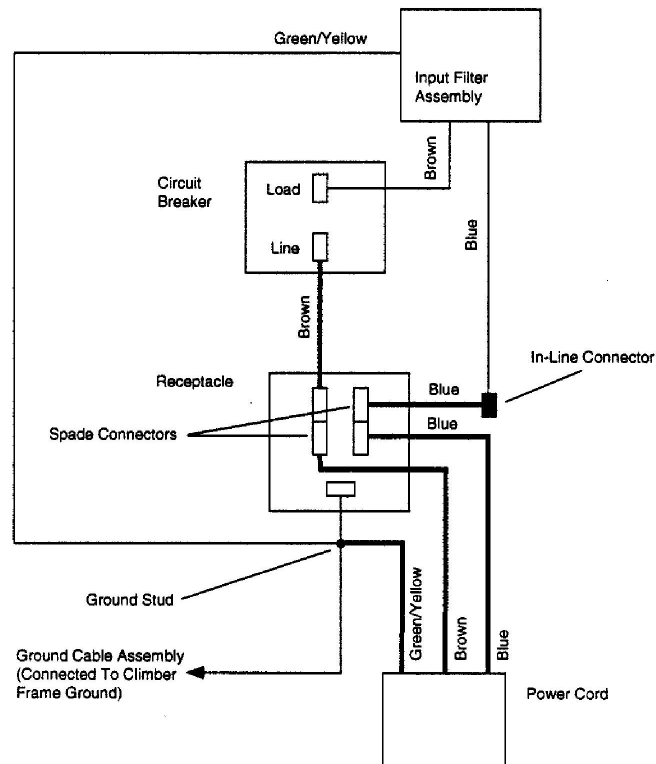
The line and load terminals are marked on the paper label on the circuit breaker

5. Disconnect the in-line connector that connects the blue wires between the input filter and power cord (see Diagram 7.3).

#### **Note:**

Take care not to damage the power cord connectors when you perform the next step and when you replace the power cord in the power entry module.

6. Using pliers, press the two sections of the strain relief together. Keep the pressure on the strain relief while you gently pull the power cord and strain relief away from the power entry module. Remove the strain relief from the power cord.

**Diagram 7.3 - Power Entry Wiring**

## Replacing the Power Cable Harness

7. Push the power cord into the round hole on the front of the power entry module. Make sure that the power cord connectors can reach the ground stud and circuit breaker.
8. Place the strain relief around the power cable insulation that is next to the outside of the power entry module.
9. Using the pliers, press the two sections of the strain relief together while you push the strain relief into the round hole on the front of the power entry module.
10. Connect the in-line connectors on the ends of the loose blue wires attached to the input filter assembly and the power cord (see Diagram 7.3).
11. Connect the brown wire on the power cord to the line terminal on the circuit breaker.
12. Position the power entry module near enough to the climber to connect the lower ribbon cable to the lower PCA.

13. Connect the remote sensor cable and the magnet harness to the lower PCA.
14. Place the ground cable assembly and the ground wires attached to the input filter assembly and power cord on the power entry module ground stud. Install the nut that secures the wires on the ground stud.

**Note:**

Take care not to pinch the cables when you perform the next step.

15. Push the power entry module into the climber. Install the screws that secure the power entry module to the climber frame.
16. Check the operation of the climber as described in Section Four, Checking Unit Operation.