Form No. 3326-459

Wiring Harness Kit

Model No. 100-1042

Installation Instructions

Contents of the Kit

DESCRIPTION	QUANTITY
Connector on the wiring harness	1
Connector on the charger	1
Heat-shrink tubing pieces	4

This kit provides the parts you need to replace the connector on the wiring harness, the connector on the charger, or both.

Replacing the Connector on the Wiring Harness

1. Remove the old connector by cutting both the black and red wires about 1 inch (2.5 cm) from the wire harness.
2. Strip about 3/16 inch (5 mm) of insulation off the ends of both wires.
3. Slide a piece of heat-shrink tubing over each wire on the new connector (Fig. 1A).
4. Position the wires as shown in Figure 1A and solder them together.

Important Ensure that you match the color of the wires you are joining; otherwise, you could damage the charger when you attempt to charge the battery.

5. Slide the heat-shrink tubing pieces over the soldered connections (Fig. 1B).
6. Shrink the tubing pieces using a hair dryer (at high setting) until the tubing conforms to the shape of the wires and the solder connection.

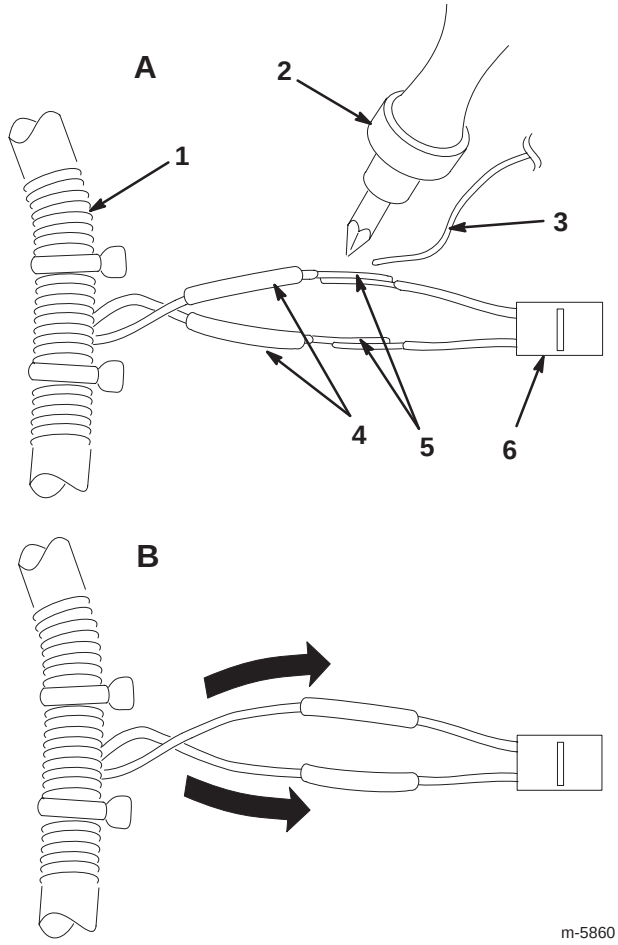

Figure 1

1. Wire harness
2. Solder iron
3. Solder
4. Heat-shrink tubing pieces
5. Wires with stripped ends
6. New connector

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Replacing the Connector on the Charger

1. Remove the old connector by cutting the wires close to it.
2. Split the wires apart about 1 inch (2.5 cm) as shown in Figure 2.

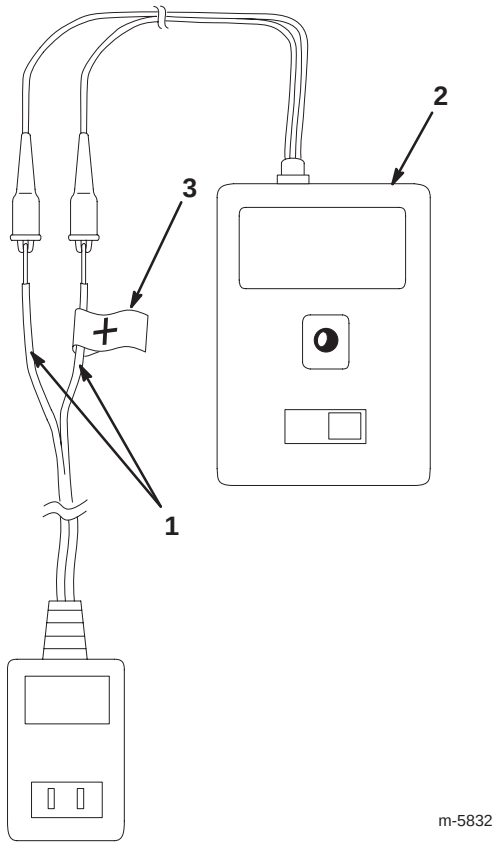

Figure 2

1. Wires split apart and with stripped ends
2. Voltmeter
3. Positive (+) wire marked

3. Strip about 3/16 inch (5 mm) of insulation off the end of both wires (Fig. 2).
4. Plug the charger into a standard household outlet.
5. Use a voltmeter to determine which of the wires is positive and label it (Fig. 2).

   Note: The reading should be 13.80 ± 0.25V DC. If not, check the outlet where you plugged in the charger. If the outlet is working properly, replace the charger.
6. Slide a piece of heat-shrink tubing over each wire on the new connector (Fig. 3).

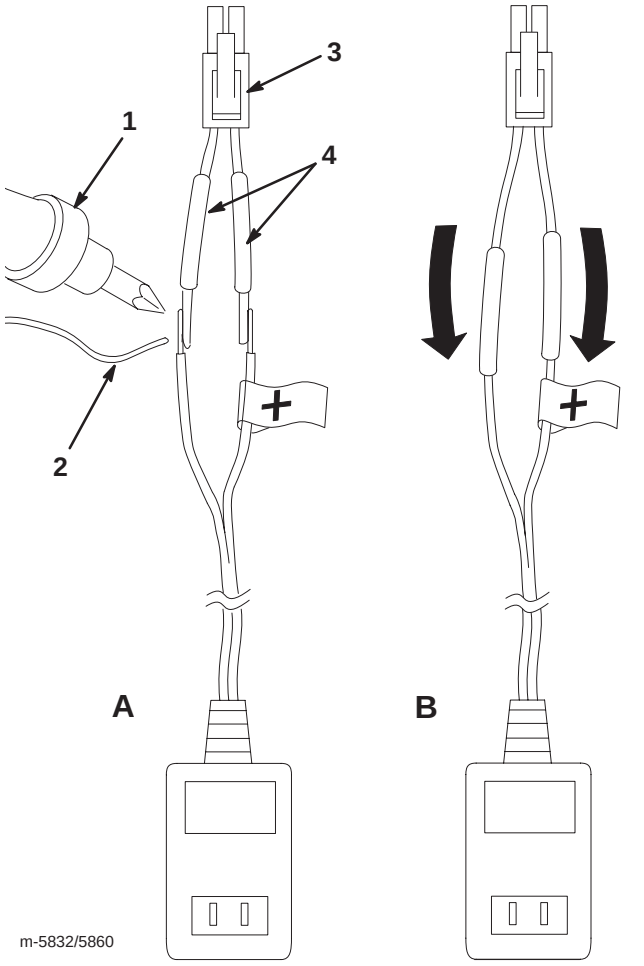

Figure 3

1. Solder iron
2. Solder
3. New connector
4. Heat-shrink tubing pieces

7. Position the wires as shown in Figure 3A and solder them together.

Important Match the **red** wire on the new connector to the wire that you marked positive in step 5. If you don't match the polarity, you could damage the charger.

8. Slide the heat-shrink tubing pieces over the soldered connections (Fig. 3B).
9. Shrink the tubing pieces using a hair dryer (at high setting) until the tubing conforms to the shape of the wires and the solder connection.