Boot, lead & clamp kit instructions
Sun models MDT, SDT, MD-1, MD-50, & 680

This kit is easiest to install with the drive unit removed from the machine. (The drive unit, or center section, holds & spins the distributor.) Tools: wire snipper, soldering tool, screwdriver

1. Remove any nuts and bolts at the top and bottom of the drive unit.
2. Remove the back panel of the machine.
3. Remove power leads from meter banks at the power supply. Remove any other power leads at the power supply.
4. Remove the belt (it can be pulled off the pulleys by hand). If your machine has a mechanical vacuum pump threaded into the drive cone casting, remove the vacuum hose.
5. Run the RPM crank wheel in a few turns, to help the drive unit come out more easily.
6. Grasp the drive unit from the front and remove it from the case.
7. Set the drive unit on a work bench on its side, make note of the positive and negative leads with pieces of tape near their starting point (where they are soldered at).
8. The leads go to 4 different solder tabs. Reminder: DO THEM ONE AT A TIME! Start with the 2 positive leads, unsolder them one at a time, and also use tape to mark the new leads (positive and negative), and solder them into place.
9. Repeat step 8 for negative leads.
10. Prep the positive and negative leads by tying a knot in both leads. Gauge enough slack in the leads so the knots are just below the rubber grommets. The knots will help reduce undo strain on the wires.
11. Re-install the drive unit and hook up all the connections that you had previously disconnected. Install belt and reconnect vacuum hose, if necessary. Bolt drive unit back into the case. Return RPM crank wheel back to Park.
12. Pull the two new leads up through the grommets and cut them to an equal length (I like 20-24 inches).
13. Slide the red boot onto the positive lead, and the black boot onto the negative lead.
14. Bare ¼ inch of wire on both leads, twist together and solder the two terminals from the kit onto the leads.
15. Screw terminals onto clamps and bend the upright tabs down on the clamps. Then slide boots down over new clamps.
16. Job complete!