



SERVICE LETTER Z03-033-1

1.0 EFFECTIVITY: Spectrum Electrostatic Sprayers, Inc. Model Z03-033-1, Power Supply Unit, Serial Number 8642 and lower.

2.0 PURPOSE: The possibility exists that the screw connections between the wire and the connector may loosen.

3.0 SPECIAL TOOLS AND EQUIPMENT: Soldering tool, Solder QQS-571 (63%tin, 37%lead).

4.0 INSTRUCTIONS: Instructions to inspect and install sleeves to wiring.

4.1 Remove the Z03-033-1Power Supply Unit from the aircraft.

4.2 Loosen and remove the six bolts holding the Z03-500-1 Cover to the Z03-301-1 Base Plate Assy.

4.3 Carefully lift the cover from the side opposite the connectors. Take care not to damage the rubber gasket along the bottom of the cover. Take care not to disturb the wiring or the P.C. Board attached to the cover.

4.4 Unplug the connector to one of the power supplies. Mark each wire and jumper to the connector. Loosen the screw lugs on the connector and remove each wire and jumper.

4.5 At the end of each wire twist the wire strands together

4.6 Slip the sleeve provided (Kit Z03K033) over the bare wire ends. Heat each sleeve on the wire end to melt the solder. Fill any void in the sleeve with solder. This procedure secures the sleeve to the wire.

4.7 Attach each wire and jumper back into the connector and tighten each lug. Attach the connector to the power supply.

4.8 Perform steps 4.4 through 4.7 on the other power supply.

4.9 Attach the cover and tighten the six bolts. Take care to seat the rubber gasket along the bottom of the cover to the base plate. Mark a "B" in MOD STATUS block on the I.D. Plate on the unit

4.10 Install the Z03-033-1Power Supply in the aircraft. Perform standard functional test of complete system.

4.11 Document this procedure as regulations require.

5.0 COMPLIANCE: Compliance is optional.

6.0 MANPOWER REQUIREMENTS: It is estimated to require 1.5 man hours to accomplish this procedure.

7.0 PARTS: The following parts are required to comply with this Service Letter.

1ea Z03K033 Kit

SL Z03-033-1
ISSUE DATE
5-26-03