SIMCO Industrial Static Control
Spring Loaded Cable Instructions

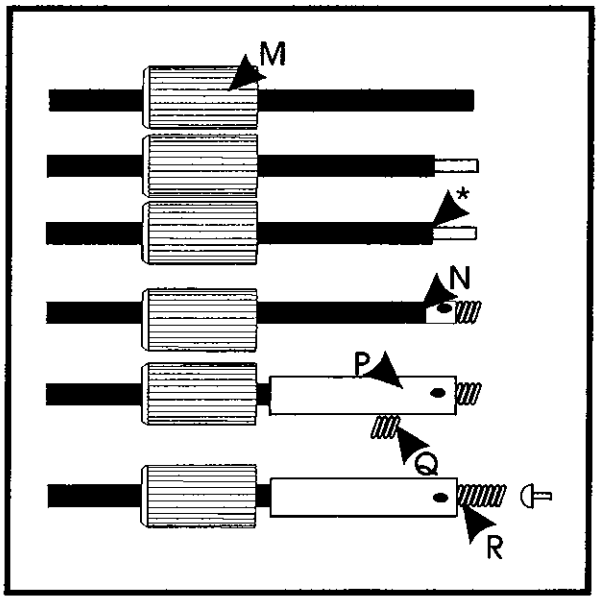

Figure 1

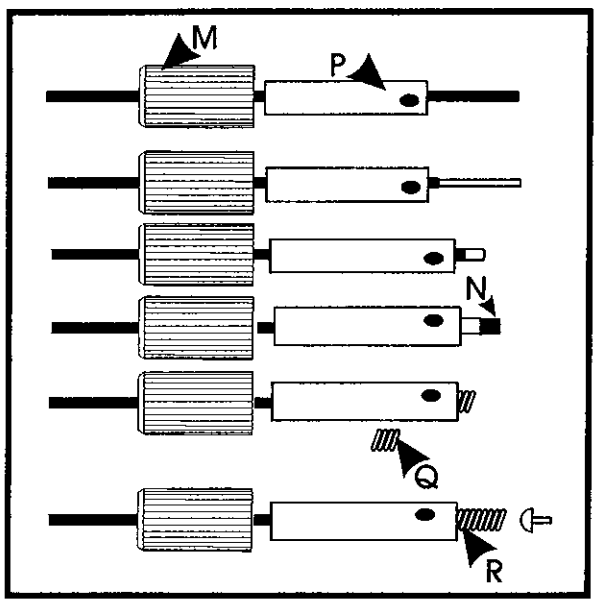

Figure 2

The figures show the methods of installing the spring loaded connector on static bar cables. Figure 1 applies to black high voltage cable. Figure 2 applies to red high voltage cable. Different diameters of the cables and conductors require small variations in procedure. Where procedure varies, the steps are marked "**RED**" or "**BLACK**". Steps that are not marked apply to both. Follow the instructions which apply to your cable.

There are two styles of knurled plug (see Figure 3), one with threading on the end of the plug (Style A) and the other with the threading inside the plug (Style B). Both plug styles are interchangeable, and the style you receive depends upon the product you have purchased.

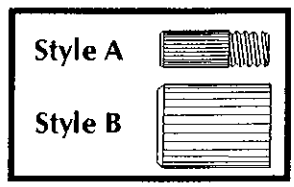

Figure 3

Your equipment may be supplied with a spring loaded connector already installed. If so, keep these instructions for use when ordering a replacement connector. If not, follow the instructions below.

1. Cut cable off at desired length. Slide knurled plug **M** over cable (with threads pointing toward the end of the cable).

2. **RED** - slide connector body **P** (end without set screw hole first) over cable.

NOTE:
MEASURE CAREFULLY. ACCURACY IS IMPORTANT.

3. **BLACK** - Strip 1/2" insulation off end of cable.
   or
   RED - Strip 1" insulation off end of cable.

SIMCO Industrial Static Control • 2257 North Penn Road • Hatfield, PA 19440 • (215) 822-6401
www.simco.biz • sales@simco.biz
5/2003 •P/N 5200086 • Printed in USA

SIMCO
Industrial Static Control
An Illinois Tool Works Company

SIMCO Industrial Static Control
Spring Loaded Cable Instructions

4. **BLACK** - The copper conductor inside cable on 1 5/6", 1 1/4", 1", MEF, One Point and Probe-O-Matic static bars is too large to slide into high voltage connector **N**. To obtain proper size, cut off about 1/3 to 1/2 of the copper conductor wires. (Omit this step in other black cable.)

5. Straighten copper conductor wires. **DO NOT TWIST.**

6. **RED** - Bend the conductor back against the cable insulation to form a double thickness 1/2" long.

7. Slide high voltage connector **N** over conductor until it butts against cable insulation. Be sure all strands of the conductor are inserted in the connector.

8. Slide connector body **P** over high voltage connector until hole in connector body lines up with set screw hole in the connector.

9. Insert set screw **Q** in connector through the hole in the connector body and tighten.

10. After tightening, if set screw is not flush with or slightly below surface of connector body **P**, disassemble and remove additional strands of wire from the conductor to allow the set screw to be at least flush with the connector body **P**.

NOTE:
Removal of additional strands of wire is only necessary on types of static eliminators outlined in step 4.

11. Pull firmly to be sure voltage connector **N** is tight on conductor.

12. Turn contact spring **R** - end with close turns, clockwise, by hand, onto high voltage connector **N** until spring butts against connector body **P**.

13. If an additional contact is needed on the power supply, remove a plug or cap from one of the other holes in the plastic receptacle. To remove plug or cap, jab a screwdriver with an insulated handle through center and pry off. If plug or cap has a screw slot, turn counterclockwise to remove.

14. Insert the connector into the hole and tighten the knurled plug. **FINGER TIGHTEN ONLY.**