FEATURES:

• kit includes 50 ft. of braided copper wire, grounding screws, wire nuts, terminal ends and a 3/32" drill bit
• helps reduce static electricity build-up
• improves safety of your dust collection system
• wire is run inside of duct work
• a wire from each dust collection point to the dust collector is recommended

APPLICATION:
Use this kit to ground the dust collection system in your woodworking shop.

SPECIFICATIONS:
50 ft. bare 14AWG copper grounding wire
5 wire nuts
2 grounding screws
2 ring terminals
1 drill bit 3/32" dia.

The dust collection grounding kit is the answer to static electricity build-up in your dust collection system. Your kit contains 50 feet of braided copper wire, grounding screws, wire nuts, terminal ends and a 3/32 drill bit. As with any type of grounding circuit, the copper wire provides a path to ground. Unlike most other ground circuits, the wire used to collect static electricity and provide the path to ground MUST be BARE! This is why the wire in your kit has NO insulation. All duct work connecting any piece of woodworking equipment to the dust collector must be internally grounded. This means that the BARE copper wire must be run along the inside of the duct work.

To accomplish this, run the copper wire supplied through the inside of the duct pipe and hose used to connect equipment to dust collector. If there are multiple machines attached to the dust collector, run a wire from each machine to the junction of the duct work. At the junction, drill hole for each wire with the supplied 3/32 bit and bring the wire through the hole to the outside. Secure all wires with wire nut supplied in the kit (see illustration A). Seal the holes drilled in the duct junctions with a silicone sealant.

To complete circuit, each piece of wire ending at the piece of equipment must be secured to the frame of that machine using the ring terminal and screw provided. Make sure that there is metal to metal contact.

REMEMBER: Each piece of equipment, including the dust collector, must be grounded. Without a three prong plug at the machine, the system loses effectiveness. Make sure all machines are properly grounded. Consult a licensed electrician to verify your installation is correct and you are properly grounded. Enjoy working in a safe environment.

NOTE: To further aid in the suppression of static electricity, the outside of the ducts and hoses may be wrapped with wire and secured with wire nuts at junction points and at machines with ring terminals as shown in Illustration B.