3M™ Grounding Accessories 3000 Series
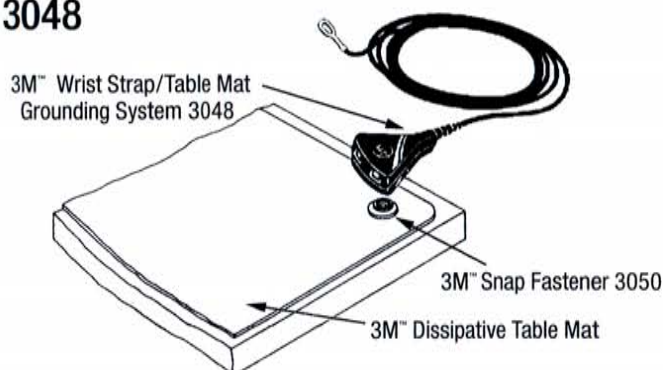
Instruction Sheet

Your choice of four kits to meet almost any grounding need

In any area where static-sensitive electronic components or boards are handled, proper static protection is essential. A variety of static control devices are available to meet the requirements necessary to protect both the electronics and the people handling them. But these devices require proper grounding to perform their functions. These four kits cover a variety of possible uses, from single-point grounding to multiple points connected to a common ground.

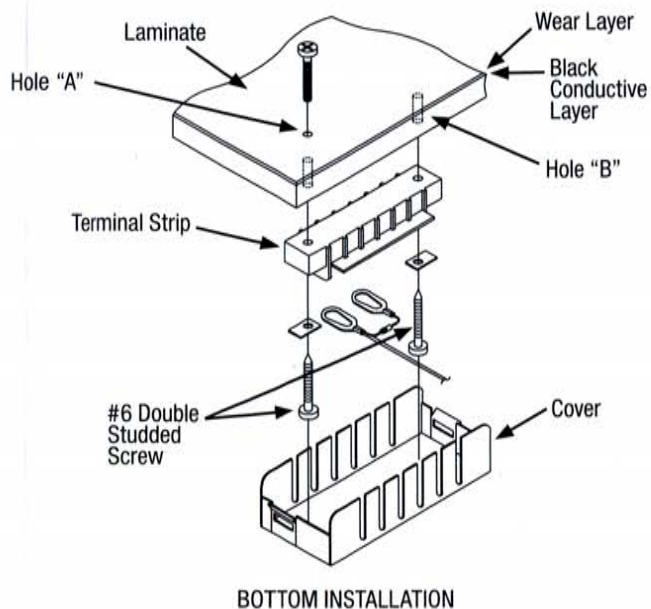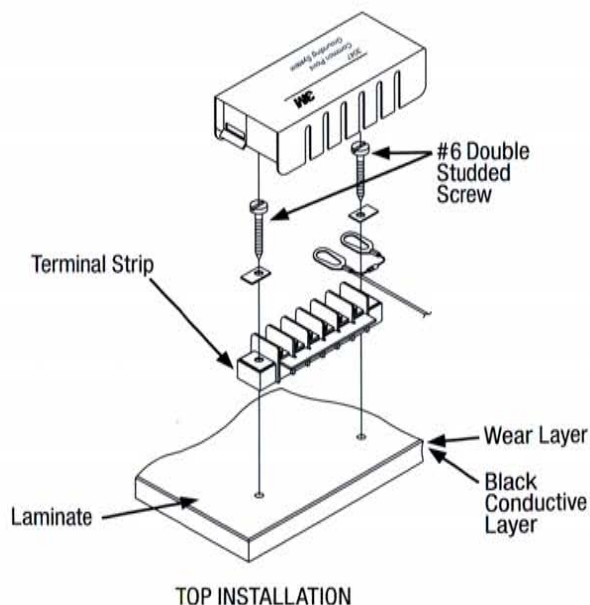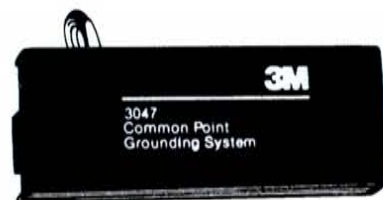### 3M™ Wrist Strap/Table Mat Grounding System 3048

Two wrist straps can be connected to the Wrist Strap/Table Mat Grounding System 3048. The 15 foot (4.6 m) ground cord is connected directly to hard ground. Snapping the Grounding System 3048 to either of the two connectors in the corners of the table mat provides reliable, common point grounding for the wrist straps and the table mat simultaneously.

3M™ Wrist Strap/Table Mat Grounding System 3048

3M™ Snap Fastener 3050

3M™ Dissipative Table Mat

3M™ Common Point Grounding System 3047

To provide true common point grounding for all workstation components, the kit 3047 offers a single-row, six-terminal strip. No additional components offering resistance are in the path on any link of the static protection system. Hard grounds are available on the six terminals. The system is easily accessible, and mounts on any flat surface in new or existing workstation environments.

The protective cover is connected to ground via a one-megohm resistor for the maximum in personnel safety. In addition, three cable clips are included to aid you in ground cord management.

3047
Common Point
Grounding System

Terminal Strip

#6 Double Studded Screw

Wear Layer

Black Conductive Layer

Laminate

TOP INSTALLATION

Laminate

Hole "A"

Wear Layer

Black Conductive Layer

Hole "B"

Terminal Strip

#6 Double Studded Screw

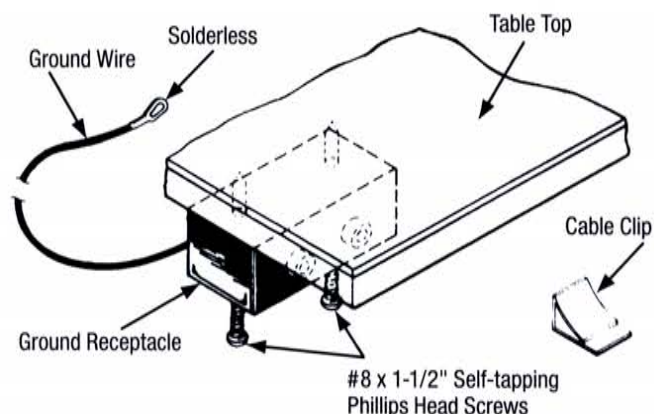Cover

BOTTOM INSTALLATION

3M

3M™ Wrist Strap Grounding System 3042

Grounding of two wrist straps using a common point to ground is possible with the system 3042. It is easy to identify for this purpose, with a clearly visible ground symbol. Compact in size, it mounts to any flat surface where a wrist strap needs to be connected to a reliable ground. The kit may be mounted on new workstations or retrofitted onto any existing workstation.
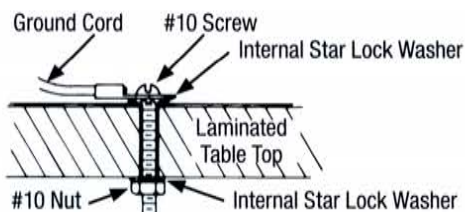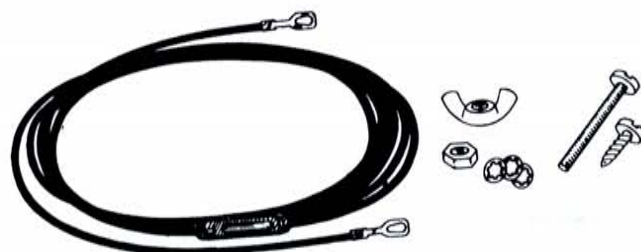
Components of the kit include one static dissipative engineering grade plastic housing, one 10-foot (3 m) grounding cord with multistud ring terminal, strain relief for the grounding cord, two banana jacks built into the housing, and two #8 galvanized, self-tapping Phillips screws.
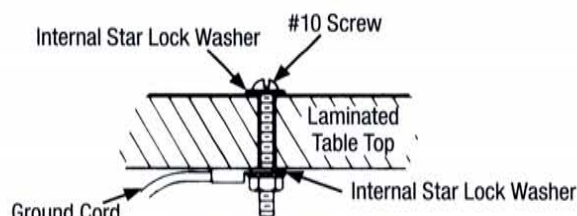

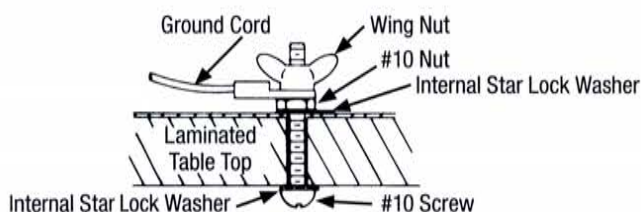TYPICAL INSTALLATION

3M™ Grounding Kit 3041

To properly ground a workstation with 3M™ Static Protective Hard Laminate, this kit gives you a choice of four methods to provide proper grounding. This can be accomplished from the top or the bottom of the work surface. Contents of the kit include the hardware needed to establish reliable connections to ground.
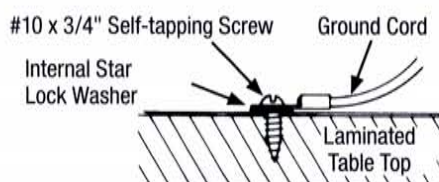

1. GROUND FROM TOP

2. GROUND FROM BOTTOM

3. GROUND FROM TOP WITH WING NUT

4. GROUND FROM TOP SELF-TAPPING SCREW

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