

All jobsites use battery powered equipment whenever possible. When it is not possible to use battery-powered equipment, make sure you are using GFCI and visually inspect all equipment every day. This is a requirement that takes place of the Assured Grounding part of the Program.

A GFCI (Ground Fault Circuit Interrupter) is a piece of equipment that senses a leak to ground electrical charge and then interrupts the circuit, cutting the power. GFCI's must be used when the Assured Grounding Program is NOT in effect. The GFCI's are to be plugged in at the source of electricity and then the cord is to be attached in line after.

A GFCI must be tested for correct operation before use. In order to test:

1. Plug the GFCI into the outlet.
2. Activate the GFCI by pressing the reset button.
3. Verify GFCI is operational by viewing the light at the switch.
4. Press the test button.
5. The light must go out signifying the unit is off.

If the GFCI fails any part of the test, there is something wrong with the installation, or the GFCI is damaged and must be destroyed and replaced.

GFCI's must be free from any defects. A GFCI may not be used if it has sustained damage to the insulation plugs or switches.

In the field, if you use a 110 volt hard wired or portable generator, you must use a GFCI. Make sure if you rent the generator, the rental store has done a check on the equipment before you take and use.

EACH FOREMAN IS RESPONSIBLE FOR VISUALLY INSPECTING HIS TOOLS DAILY. The Shop will continue to follow the Assured Grounding Program in place.

That Assured Grounding Program is as follows:

All electrically powered equipment and cords of 120 Volts shall be visually inspected for defects before use each day. Any equipment or cords not protected by Ground Fault Circuit Interrupters shall conform to the following Assured Grounding Program. This includes equipment that is used concurrently with GFCI and permanent power.

1. Receptacles and cord sets, not permanent or fixed, shall be tested every three months to determine continuity of ground circuit and connection to the proper terminal.
2. Receptacles and cord sets, fixed or permanent, shall be tested every three months to determine continuity of ground circuit and connection to the proper terminal.
3. Electrical cord sets, hand and/or portable equipment must be tested to assure proper continuity of the ground circuit and connection to the proper terminal before it is released to personnel. This includes new and used equipment arriving at the job or returning from repairs.

OUR GOAL IS ZERO INJURIES IN THE WORKPLACE

4. Hand and/or portable equipment shall be tested every three months to assure continuity of the ground circuit and connection to the proper terminal. This procedure does not apply to double insulated tools.
5. Use a receptacle tester to ensure the plug is correctly connected to a ground.
6. Use a continuity tester to ensure the path to the ground is continuous and without breaks. The person testing should connect one end of the continuity tester to the ground prong and the other end to the equipment being tested. If the light goes on, or the buzzer sounds (whichever indicates a complete circuit) the path to the ground is complete.
7. Record the test in writing, including the equipment tested, the date of the test, the type of the test performed, and the name of the person who conducted the test. The test shall be done: Before the use of the equipment, after any repair of cables or equipment, after any incident that creates damage or suspected damage and at 3 month intervals.
8. Colored tape must be used to document testing at 3 month intervals. If the equipment is NOT marked with the right color, then you know it has not been tested in that 3 month interval. The following color coding theme will be acceptable:
 - First Quarter (Jan/Feb/March) Red
 - Second Quarter (April/May/June) White
 - Third Quarter (July/Aug/Sept) Orange
 - Fourth Quarter (Oct/Nov/Dec) Green
9. Tools that are damaged or defective must be immediately removed from service and RED tagged to prevent use. Item is to be returned to the shop at once. Notify the person in charge of repairing or purchasing new tools.
10. This program also applies to any employee-owned tools or cord sets used on the jobsite.