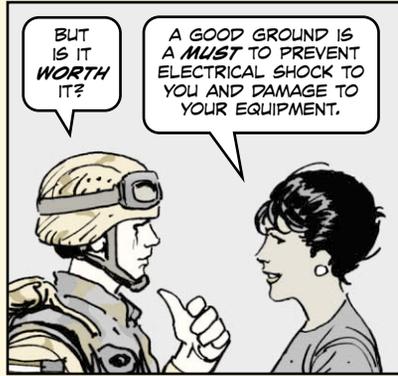
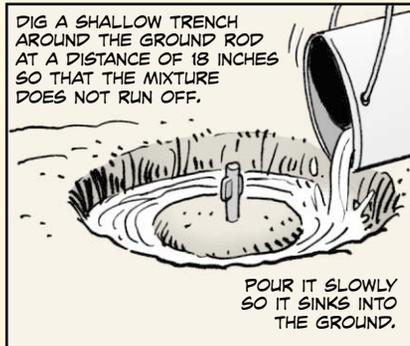
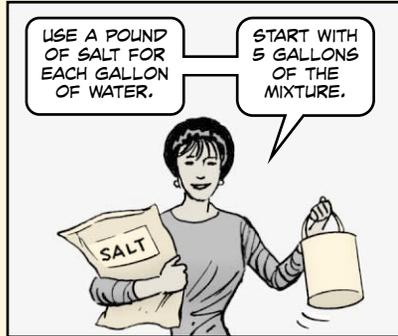


GROUNDING RIGHT IN THE DESERT



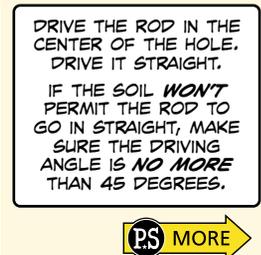
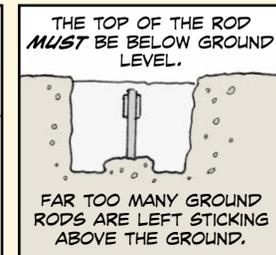
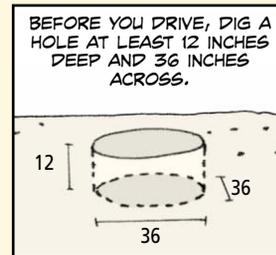
Soil Preparation



Reaching the Water Table



Before You Drive



WHEN ADDING ROD EXTENSIONS MAKE SURE EACH SECTION IS TIGHTLY CONNECTED TO THE PREVIOUS ONE.



IF THEY'RE **NOT** TIGHT, WHEN YOU DRIVE IN THE ROD, YOU'LL **DAMAGE** THE COUPLING SLEEVE THREADS.

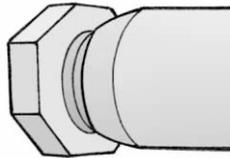
DON'T HIT THE THREADED END OF THE ROD WITH THE HAMMER.

THIS WILL DAMAGE THE **THREADS**, TOO.



USE A DRIVING BOLT ON THE TOP SECTION AND MAKE SURE IT'S **TIGHT**.

A LOOSE BOLT WILL BREAK OFF.



IF POSSIBLE, USE A **SLIDE HAMMER** WHEN INSTALLING A SECTIONED GROUND ROD.



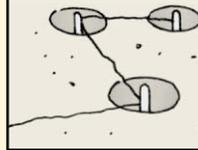
SLIDE HAMMER, NSN 5120-01-013-1676, MAKES IT EASIER TO DRIVE RODS, AND EASIER TO GET THEM OUT, TOO.

FOR DRIVING RODS INTO VERY HARD DESERT GROUND, USE A 12-LB SLEDGE HAMMER, NSN 5120-00-293-0887.

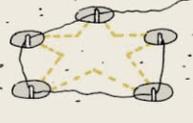
IF YOU CANNOT REACH THE WATER TABLE WITH A SINGLE GROUND ROD OR ONE WITH EXTENSIONS, USE MULTIPLE GROUNDS AND THE SALT-WATER MIXTURE.

DRIVE IN THE ADDITIONAL RODS TWO TO FOUR ROD LENGTHS APART.

IF **THREE** RODS ARE USED, DRIVE THEM IN A **TRIANGLE PATTERN**.



IF **FOUR OR MORE** RODS ARE USED, PUT THEM IN A **STRAIGHT LINE** OR A **STAR PATTERN**.



WHEN USING MULTIPLE RODS **ALWAYS** CONNECT ALL THE RODS TOGETHER, THE FINAL ROD BEING CONNECTED TO THE EQUIPMENT TO BE GROUNDED.



IF YOU **CAN'T** DRIVE A GROUND ROD MORE THAN 4 FEET, BURY THE ROD HORIZONTALLY 1½ FEET DEEP. THEN ADD THE SALT-WATER MIXTURE.

ORDERING THE GROUND ROD ASSEMBLY, NSN 5975-00-878-3791, GETS YOU THE FOLLOWING...



- Rods 5975-01-123-9103
- Couplings 5975-00-794-2523
- No.6 AWG wire 6145-00-395-8799
- Drive/head stud 5975-00-924-9927
- Terminal lug 5940-00-271-9504
- Clamp 5999-00-186-3912

Grounding Plates

SINCE SAND IS **EASY** TO MOVE, **GROUNTING PLATES** CAN BE A GOOD IDEA IN THE DESERT.



TO MAKE A GROUND PLATE, START WITH A CLEAN, BARE METAL PLATE OR SHEET 1/4 INCH THICK.

ALONG WITH THE PLATE YOU'LL NEED A **METAL BOLT**, **NUT** AND **LOCK WASHER** TO ATTACH THE GROUND WIRE.

DRILL A HOLE IN THE CENTER OF THE PLATE JUST LARGE ENOUGH FOR THE BOLT.

DO NOT USE ALUMINUM. THE PLATE SHOULD HAVE AT LEAST 3 SQUARE FEET OF SURFACE CONTACT WITH THE GROUND. THE LARGER THE PLATE, THE LOWER THE RESISTANCE AND THE BETTER THE GROUND.

THEY ALSO GIVE YOU A LARGE, METALLIC AREA THAT IS IN CONTACT WITH THE SOIL.

THE GROUND PLATES—USE TWO TO FOUR—SHOULD BE SPACED AT LEAST 10 FEET APART.

DIG A HOLE SO THAT THE PLATE CAN BE BURIED VERTICALLY, THE TOP EDGE ABOUT 5 FEET BELOW THE SURFACE.

IT'S EASIER TO BURY THE PLATE VERTICALLY AND STILL ENSURE GOOD SOIL CONTACT ON BOTH SIDES OF THE PLATE.

POUR YOUR MIXTURE OF WATER AND SALT INTO THE SOIL AROUND THE PLATE TO FURTHER INCREASE CONDUCTIVITY.

