

ZON ROTATING TRIPOD

1002 - INSTRUCTION MANUAL



Cannon Sold Separately



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SAFETY INFORMATION

- ▶ Do not overcharge the battery. Use a battery charger specifically designed for the capacity of the battery (12V Taper Charger #1006E - 12VDC 500mA).
- ▶ Do not allow a battery to freeze. By maintaining the charge in a battery, you will avoid any chance of freezing. A fully charged battery can only freeze if the temperature reaches -70°F. A fully discharged battery can freeze at approximately 15°F.
- ▶ Charging can produce explosive gases.
- ▶ Do not charge in a gas tight enclosure.
- ▶ Keep away from children.
- ▶ Contains toxic lead electrodes.
- ▶ Liquid is corrosive sulfuric acid.

Caution!

Do not short circuit the battery terminals! A risk of electric shock and/or severe burns may be the result.

MAINTENANCE

STORING BATTERIES:

Proper charging and maintenance can help keep the internal battery at full power when needed again. Lack of use and charge is one of the leading causes of premature battery failure. The average battery life expectancy for the 12 volt batteries in the solar kit is 3 to 5 years if used continuously. Prolonged storage of the unit will reduce the life of the battery.

- Store the battery in a cool place. Temperature range: 5°F to 80°F (-15°C to 27°C).
- Store the battery in a dry place.
- Keep the battery terminals clean and free of corrosion.
- If possible, disconnect the battery from the solar panel internally.

CHARGE SCHEDULE:

The battery will discharge on its' own (called self-discharge). If still connected inside the solar kit box, additional discharge may occur. Due to these occurrences, storage time without a charge is limited. The rate of self-discharge will increase with higher temperatures. At room temperature, self-discharge for lead batteries is about 5% per month. In order to prevent internal corrosion (sulfation) and limit capacity loss after prolonged storage, it is necessary to periodically recharge the battery.

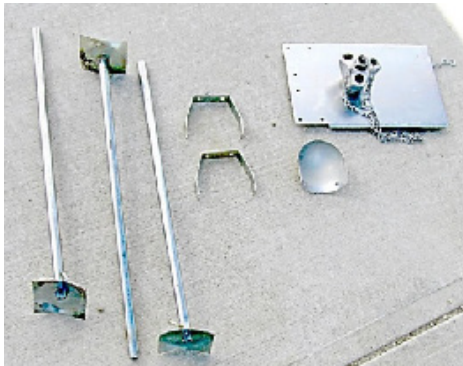
While stored, charging the battery once every two months is recommended (more often if in a high temperature climate). This can be done by simply allowing the solar panel to charge the battery for at least 5 sunny days. The battery can also be charged by using a 12V Taper Charger #1006E (12VDC 500mA).

SPECIFICATIONS

- ▶ Required Free Ground Space: 300cm circle
- ▶ Minimum Free Height: 200cm
- ▶ Maximum Battery Size: 17.5cm (w) x 19.5cm (l) x 18cm (h)
- ▶ Maximum Battery Weight: 12kg
- ▶ Maximum Tripod Load: 50kg
- ▶ Place on level ground and stake down ground plate if wind is a concern.

TRIPOD ASSEMBLY

1. Extend all three Tripod Legs (#92216) by loosening the thumb screws, then pull out the Inner Leg (#92226). Once the leg has been fully extended, tighten the thumb screws.

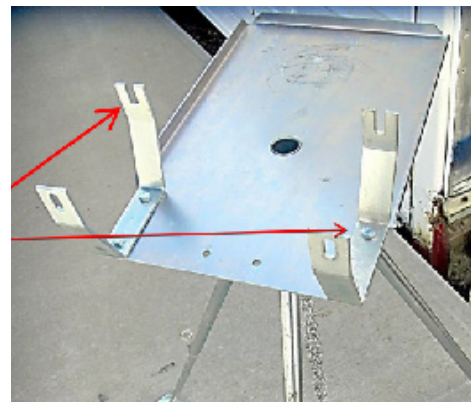


2. Insert each leg into the Tripod Base. Sometimes extra effort is required as the legs may be a tight fit.

IMPORTANT: Ensure the Tripod Platform is level, for proper rotation. An unlevel Tripod Platform may cause unintentional cannon rotation.



3. Attach both Cannon Brackets to the Tripod Platform (use the supplied 10mm bolts and nuts). The elongated holes on the brackets should be on the same side of the platform.

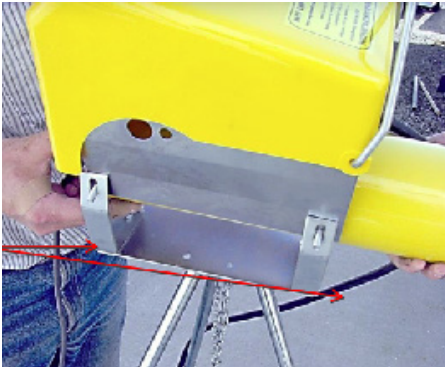


TRIPOD ASSEMBLY

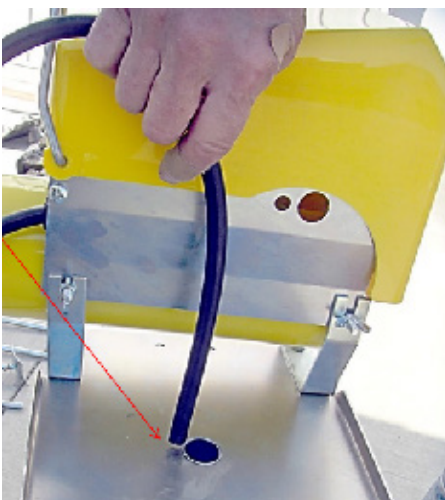
ATTACHING THE CANNON:

Note: The Propane Hose on the cannon should be on the inside of the platform.

1. Insert the cannon studs into the elongated bracket holes.



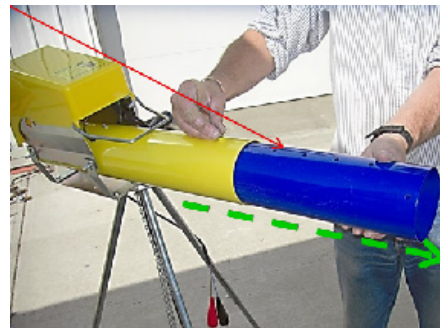
2. Route Propane Hose through center of Tripod Platform.



3. Reattach Regulator to hose using supplied Hose Clamp (#NH14).



4. Extend Inner Megaphone by loosening the nut and pulling the barrel out.



5. Attach Rotator Cup (#92306) to the end of the barrel.



TRIPOD ASSEMBLY

6. Attach Propane Hose to 90° Fitting on the Regulator using the supplied Hose Clamp (#NH14).
7. Using the Chain (#92136), suspend the propane tank below tripod. Ensure tank is not touching the ground as the tank rotates with the cannon. A depression may have to be dug directly under the propane cylinder.



ATTACHING THE SOLAR PANEL:

1. The Solar Panel Bracket comes with a preinstalled magnet. This magnet is what secures the Solar Panel to the Tripod Platform.

Caution: The magnet is very powerful, be sure to avoid placing fingers between the magnet and the Tripod Platform when installing.

2. Attach the Solar Panel by tilting into place as shown in the following images.



TRIPOD ASSEMBLY

INSTALLING THE BATTERY PACK:

1. Insert the Battery Pack between Scare Cannon and Solar Panel.



2. Attach the negative wires from Scare Cannon and Solar Panel to the negative (black) alligator clip leads.

3. Attach battery clips to terminals on Battery Pack.

4. Attach the positive wires from Scare Cannon and Solar Panel to the positive (red) alligator clip leads.

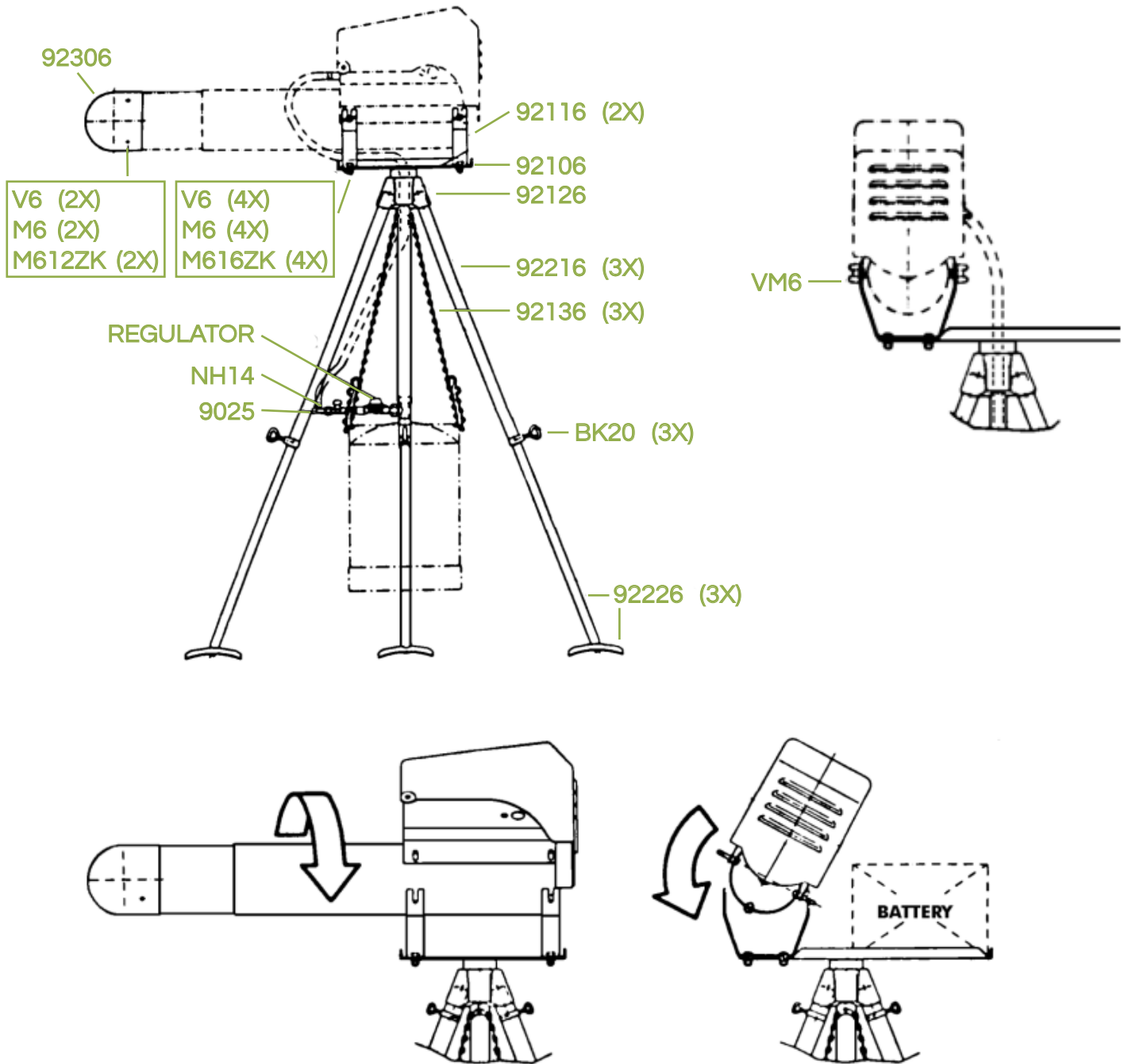


PROPANE CYLINDER PLACEMENT:

- ▶ Ensure tank is not too far off the ground as the Regulator may make contact with the leg and impede rotation.
- ▶ Pull excess hose back up through the Rotation Cone (#92126) to the cannon in order to prevent it from interfering with the cannon's rotation.



PARTS DIAGRAM



PARTS LIST

92106	Battery Support	92306	Turning Cap
92116	Megaphone Bracket	NH14	Hose Clamp
92126	Rotation Cone	9025	90° Hose Nipple
92136	Hanging Chain with S-Hook	M612ZK	Bolt M6 x 12
92216	Outer Tripod Leg	M616ZK	Bolt M6 x 16
BK20	Pipe Clamp (20mm)	M6	Nut M6
92226	Inner Tripod Leg with Ground Plate	V6	Washer 6mm