

# American Coding and Marking Ink Co.

INCORPORATED



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## OPERATING AND MAINTENANCE INSTRUCTIONS

### Operating Instructions

1. Attach your new TRECODER® Spot Gun to a quart container of TRECODER® Ink or other tree marking material.
2. Prime the pump by pumping the trigger several times. Usually about ten pulls will be sufficient unless heavier ink is being used. (Note: If pump does not readily prime when using heavy materials, place Spot Gun in can of TRECODER® Reconditioner or odorless mineral spirits and prime – this will help to pull the heavier ink through the Spot Gun.) When using paints instead of TRECODER®, reversible nozzles are recommended.
3. Your TRECODER® Spot Gun is now ready for use. No further priming is necessary unless the pump is completely empty when changing containers. If so, repeat step 2.
4. If TRECODER® Spot Gun does not prime readily, check for loose suction tube (TSG20) connections, stuck foot valve (TSG15), malfunctioning discharge tube (TSG02) or damaged piston ring (TSG11).
5. When using TRECODER® Inks in your new TRECODER® Spot Gun, you do not need to clean your Spot Gun after each use. Leave the Spot Gun attached to the ink container. The TRECODER® Spot Gun will maintain prime and will be ready for use the next day. If your TRECODER® Spot Gun will not be used for 2-3 weeks, it should be cleaned with TRECODER® Reconditioner prior to storage otherwise, TRECODER Gun Cleaner may be required to remove dried ink. Do not store Spot Gun outside when temperatures drop below freezing. Note: If using water based product, refer to special instructions for use of water based products.
6. When changing ink colors, rinse your Spot Gun thoroughly with TRECODER® Reconditioner or an odorless Mineral Spirits product such as Varsol. Attach new color ink and pump a few times to clear out the cleaning solvent.
8. Your TRECODER® Spot Gun is capable of spotting a tree up to 8' away. It is important to depress the trigger more slowly than other tree marking guns because of the high discharge pressures produced by the pump. Pulling the trigger too fast will cause the ink stream to break up, thereby reducing the effective range.

### Maintenance Instructions

After prolonged use, the piston ring (TSG11) and piston seal (TSG10) may become worn causing some leakage. Replacement O-rings are included in the spare parts kit which is supplied with your Spot Gun. To replace these O-rings:

1. Remove all screws from the handle & trigger. The handles will open out, exposing the cylinder.
2. Remove piston rod cap (TSG08), cylinder cap (TSG09) and piston (TSG12).
3. Remove piston seal (TSG10) from cylinder cap and replace with new one. Apply some motor oil to the seal.
4. Remove piston ring (TSG11) using a small screwdriver or other similar instrument. Replace carefully to prevent damage by rolling it over the bottom flange of the piston.
5. To reassemble, apply some motor oil to the piston ring and carefully work the piston into the cylinder using slight side motions.
6. Replace piston rod cap (TSG08) in cylinder cap (TSG09) and hand tighten only. Do not tighten all the way.
7. Replace the cap assembly in the cylinder by carefully forcing it over the piston rod. Do not use excessive force or side movements which could damage the piston seal. Once the seal is sliding down the piston rod, no damage can occur.
8. Screw cap assembly into cylinder. Be sure the cylinder cap gasket (TSG21) is in good condition and in place.
9. Tighten up the cylinder cap and piston rod cap. Spot Gun is now ready to have handles and trigger reattached.

### **IMPORTANT**

DO NOT USE alcohol, lacquer thinner, gasoline or other strong solvents to thin TRECODER® inks or clean your TRECODER® Spot Gun. USE ONLY TRECODER® Reconditioner, TRECODER® Gun Cleaner or odorless mineral spirits. See special instructions for water based.