

**SALEM TOOL COMPANY  
DYNAMIC CONE PENETROMETER  
ASSEMBLY AND MAINTENANCE  
INSTRUCTIONS**

1. When assembling the DCP, always be sure that the extension shaft is tightened flush with the hammer shaft bottom. If it is not the thread in the extension shaft coupling or on the 3/4-10 threaded stud at the bottom of the DCP could become damaged.
2. After time the 3/4-10 set screw that is used to attach the extension shaft may need to be replaced. This is done by heating the set screw to approximately 300 degrees with a propane torch to release the thread locking compound. If the set screw is broken off below the surface, a nut may be welded to the end of the broken set screw and removed with a wrench. However, care must be taken not to over heat the end of the hammer shaft as this could cause the steel to become annealed and cause premature failure.
3. The set screw should be a grade 8 fastener. It must also be exactly 2.0" long to ensure proper seating of the extension shaft when assembled with the hammer shaft.
4. The use of high strength Loctite 680 or 635 & Primer "T" is advised when replacing the set screw. Follow the manufacture's instructions for use of the product. Note: The proper Loctite and Primer can be ordered through your DCP distributor.
5. The DCP can also be sent back to the factory for quick and proper repair. There is a \$25.00 fee plus shipping costs for this service. And the DCP is generally shipped back the same day.