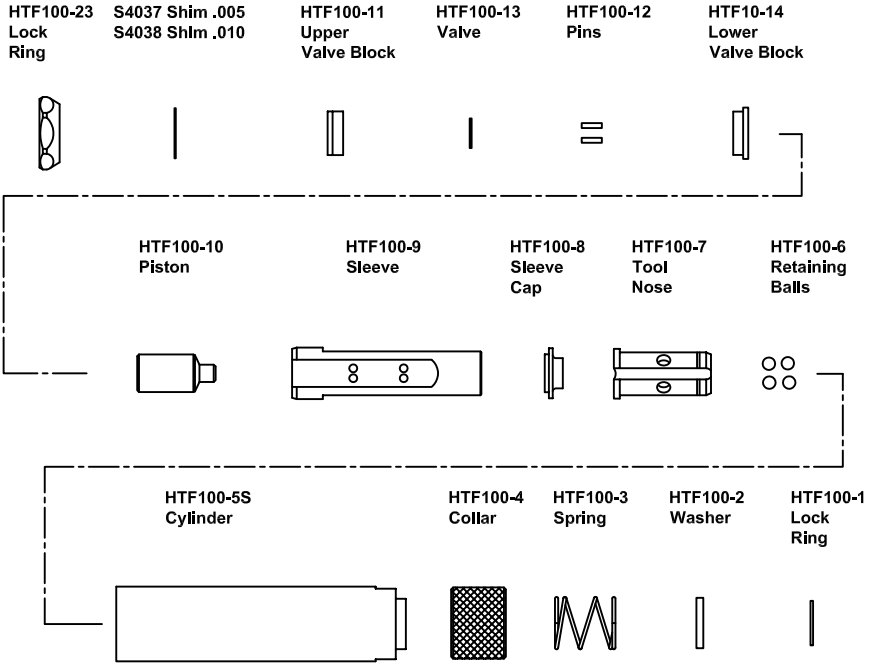
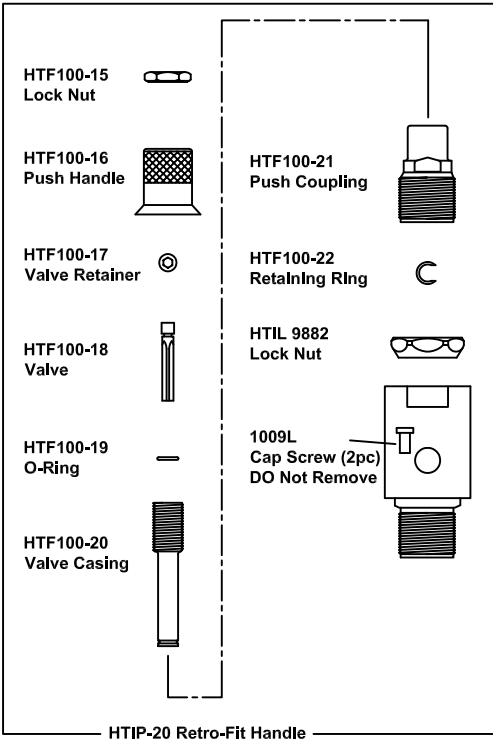


# HTIP F100A Scaler



Made in the U.S.A.

HONSA ERGONOMIC TECHNOLOGIES, INC

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## MAINTENANCE PROCEDURES FOR HONSA TOOLS HTIP-F100 SCALER

### TO ASSEMBLE TOOL

1. Before installation or removal of any barrel, the socket head cap screws must be in both holes in the handle housing. **These screws are installed by the manufacturer and should permanently remain in place. If missing, DO NOT PROCEED as permanent damage may result to the urethane during the tightening or loosening. FAILURE TO USE PROPER PARTS VOIDS WARRANTY.**
  2. If retainer is assembled, disassemble by removing HTF100-1 Lock Ring. The HTF100-4 Collar is under spring pressure. Remove HTF100-2 Washer, HTF100-3 Spring, HTF100-4 Collar, and HTF100-8 Retaining Balls.
  3. Install scaler lock nut onto handle adapter by threading the nut all the way on.
  4. Screw scaler barrel onto handle adapter and hand tighten. Oil and run tool to ensure proper operation.
  5. Place scaler barrel into vise at flats and tighten handle to 120 foot pounds. Shims may be needed to align the chisel cutting edge properly.
  6. Use a wrench to tighten down lock nut to 100 foot pounds.
  7. Reassemble retainer assembly in reverse order of step 2.
  8. After 24 hours of operation, re-tighten barrel.
- USE OF OTHER THAN HONSA REPLACEMENT PARTS MAY DECREASE PERFORMANCE, INCREASE MAINTENANCE AND MAY VOID WARRANTY.**

**\* LUBRICATE DAILY \***