

## AMERICAN PNEUMATIC TOOL

# ROCK DRILLS

## TOOL MAINTENANCE & REPAIR INFORMATION

### FIELD OPERATION

#### Before:

1. Fill the oil reservoir with proper oil (Air Tool oil or 10W grade equivalent for 9 lb. and 15 lb. class and Rock Drill oil for the 38 lb. and 60 lb. class.)
2. Check all nuts and bolts to ensure they are tight on the tool.
3. Make sure retainer locks in place.
4. Replace retainer and or springs if worn.
5. Rotate the chuck bushings to ensure that pawls are engaging.
6. Clean any water and/or dirt from air hose before connecting it to the tool.

#### During:

1. Make sure feet are placed squarely on the work surface.
2. For your safety and that of others, keep constant pressure on drill bit at all times.
3. When moving from one work area to another, shut off tool.
4. To start drilling the hole use low speed.
5. If drill bit becomes stuck or bound, shut tool off immediately.
6. Refill oil reservoir approximately every two hours.

#### After:

1. Flush tool with cleaning solvent, then refill with oil.
2. Do not leave tool in water or in dirt.
3. Check all bolts and nuts to see that they are tight on the tool.
4. Store the tool well oiled.

**REMEMBER: PREVENTIVE MAINTENANCE  
WILL ASSURE MAXIMUM  
PERFORMANCE FROM ALL  
OF YOUR APT TOOLS.**

### TROUBLE SHOOTING GUIDE

#### If you experience loss of power in the tool:

1. Check side rod nuts to ensure they are tight.
2. Flush cleaning solvent through the tool and then immediately run a small portion of oil through it.
3. Disassemble and inspect ratchet pawls. If pawls show signs of wear around the corners, they should be replaced.
4. While tool is disassembled, check the cleanliness of the valve and ensure cylinder ports are clear.

#### If the tool is blowing air and will not function:

1. Disassemble, check for broken piston, broken rifle bar or worn rifle nut.
2. Check valve system for worn parts. If found, worn parts need to be replaced.

#### If you cannot shut the tool off:

1. Immediately turn off air source, then disconnect air supply.
2. Disassemble backhead and inspect throttle valve. Replace throttle valve if worn.

# APT