Read Operating Instructions
Always become familiar with all the instructions and warnings before operating any power tool.

Always Wear Approved Eye Protection
Impact resistant eye protection should meet or exceed the standards as set forth in the United States ANSI Z87.1, Occupational and Educational Eye and Face Protection. Look for the marking Z87.1 on your eye protection to insure that it is an approved style. For further information, ANSI Z87.1, Occupational and Educational Eye and Face Protection, is available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

Hearing Protection is Recommended
Hearing protection should be used when the noise level exposure equals or exceeds an 8 hour time-weighted average sound level of 85 dBA. Process noise, reflective surfaces, other tools being operated nearby, all add to the noise level present in your work area. If you are unable to determine your noise level exposure, we recommend the use of hearing protection.

Avoid Prolonged Exposure to Vibration
Tools can vibrate during use. Prolonged exposure to vibration or very repetitive hand and arm movements, can cause injury. Stop using any tool if discomfort, tingling feeling or pain occurs. You should consult your physician before resuming use of the tool.

90 PSIG Maximum
This tool is designed to operate at an air pressure of 90 pounds per square inch gauge pressure (90 PSIG) maximum, at the tool. Use of higher air pressure can, and may cause injury. Also, the use of higher air pressure places the internal components under loads and stresses they were not designed for, causing premature failure. The air supply should be clean and dry, preferably lubricated. For best results, drain the moisture from the air supply periodically.

WARNING:
Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment such as those dust masks that are specially designed to filter out microscopic particles.

Safety Instructions
The following instructions are furnished as general guidelines for use of your pneumatic tool. They cannot comprehensively cover all possible or conceivable uses of the subject tool.

Tool Application and Usage
Portable tools shall be used only for the purposes intended in their design and within the capacity for which they were intended and rated. It shall be the tool owner’s and/or employer’s responsibility to instruct each operator in the safe use of the tool. Tools shall not be used without guards and safety devices as furnished by the manufacturer. Where an air tool is modified or altered, the modifier shall provide the safeguards to enable it to be safely used in the operations intended and to comply with any applicable provisions as contained in ANSI B186.1.

Tool Installation
Pressure regulators shall be used to limit air pressure to the rated pressure where the supply pressure exceeds the tool’s rated pressure. Air hoses and lines shall be relieved of compressed air before being disconnected or disjointed, unless there is automatic valve closing protection at the joint being separated. Synthetic lubricants which can cause deterioration of elastomer seals shall not be used in air systems of air tools.

Tool Maintenance
It shall be the tool owner’s and/or employer’s responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorized, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer’s recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner’s and/or employer’s responsibility to keep required rating markings and warnings on the tool in legible condition.

Universal Tool
A Division of Florida Pneumatic Manufacturing Corporation
851 Jupiter Park Lane, Jupiter, Florida 33458
Toll Free 1-800-327-9403

Read these instructions carefully before attempting to install, operate or service this Florida Pneumatic product. Failure to comply with the instructions could result in personal injury and/or property damage!
Retain these instructions for future reference.
Ref. Description                       Part #  Ref. Description                        Part #

1  Motor Housing                        9AS000401  45  Cam Spindle                        9000054
2  Spring Pin                           902048    46  Cover                               9000056
3  Air Inlet                            9AS000503  47  Bushing                           9000056
4  Trigger                             9AS000404  48  C-Ring                             9000057
5  Valve Stem                           9AS000405  49  Spring (Yellow)                    9000058
6  Valve Bushing                        9AS000406  49  Spring (Black)                     9AS000149-12
7  O-Ring                               9AS000447  49  Spring (Green)                     9AS000149-13
8  Valve Spring                         9AS000408  50  Thrust Race (2)                   9000059
9  O-Ring                               9516114
10 Valve Stem                           9AS000410
11 Valve Housing                        9AS000411
12 Shut-Off Valve Bushing               9AS000412
13 Ball Bearing (2)                     9000022
14 End Plate                            9000023
15 Rotor                                9AS000415
16 Rotor Blades (4)                     9000025
17 Spring Pin                           9000026
18 Cylinder                             9000027
19 Front End Plate                      9000028
20 Motor Spacer                         9AS000420
21 Push Needle                          9AS020234
22 Internal Gear                        9AS000422
23 Planet Gear (3)                      9AS000423
24 Pin (3)                              9AS000424
25 Work Spindle                         9AS000426
26 Ball Bearing                         9000039
27 Inlet Noose                          9000040
28 Reverse Valve                       9000041
29 O-Ring                               9000042
30,75 O-Ring                            9000043
31 Clutch                               9000044
32 Pin                                  9000045
33 Reset Pin                            9000046
34 Pin                                  9000047
35 Trip Slide                           9000048
36 Spring                               9000049
37 Spring                               9000050
38 Internal Ring                        9000051
39 Steel Ball (4)                       9000052
40 Spring                               9000053

Limited Warranty

Universal Tool warrants its tools to be free from defects in material and workmanship for one year from the date of purchase. This warranty does not apply to tools which have been abused, misused, modified or repaired by someone other than Universal Tool or its authorized service centers. If a Universal Tool proves defective in material or workmanship within one year after purchase, return it to any authorized service center or to Universal Tool, freight prepaid. Please enclose your name, address and adequate proof of purchase date with a brief description of the defect. Universal Tool will, at its option, repair or replace defective tools, free of charge. Repairs or replacements are warranted as described above for the remainder of the warranty period. Universal Tool's sole liability and your exclusive remedy under this warranty is limited to repair or replacement of the defective tool. There are no other warranties expressed or implied and Universal Tool shall not be liable for incidental, consequential or special damages, or any other damages, costs or expense of repair or replacement as described above.

Drive size ....................................1/4" QC
Free speed (No load)........................1700 RPM
Torque (green spring) ..........................5-19 in/lbs.
Torque (black spring) .........................10-38 in/lbs.
Torque (yellow spring) .......................15-45 in/lbs.
Weight ...........................................1.98 lbs.
Overall length ..................................8.65"
Average air consumption ......................4 CFM
Recommended hose size .......................3/8" I.D.
Air inlet ...........................................1/4" NPT
Maximum operating pressure .................90 psi

Clutch Adjustment
Clutches are adjusted through the slot provided in the clutch housing. The slot cover must be rotated to expose the adjustment slot. Rotate (fig.58) the clutch housing until the hole in the adjustment nut is visible. Insert a No.1 Phillips screwdriver and rotate in a clockwise direction to increase torque setting or in a counter clockwise direction to decrease the setting. After each adjustment, the slot cover should be rotated back to its locked position.