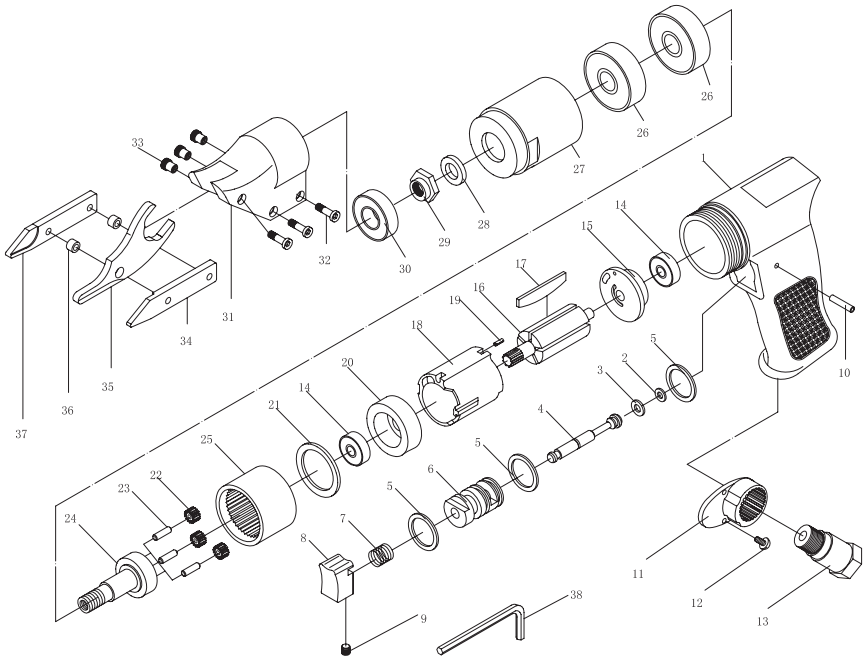
PARTS LIST



NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
1	Body	1	14	Bearing	2	27	Lock Ring	1
2	O-Ring	2	15	Rear Cover	1	28	Washer	1
3	O-Ring	1	16	Rotor	1	29	Spindle Nut	1
4	Pin	1	17	Blade	5	30	Bearing	1
5	O-Ring	3	18	Cylinder	1	31	Blade Housing	1
6	Tube	1	19	Pin	2	32	Screw	1
7	Trigger Spring	1	20	Front Cover	1	33	Block	1
8	Trigger	1	21	Gasket	1	34	Center Blade	2
9	Screw	2	22	Gear	3	35	Left Blade	2
10	Trigger Pin	1	23	Gear Pin	3	36	Bushing	1
11	Exhaust Diffuser	1	24	Spindle	1	37	Right Blade	2
12	Screw	2	25	Ring	1	38	Wrench	2
13	Connector	1	26	Bearing	2			

TROUBLESHOOTING

INSUFFICIENT POWER:

Probable Cause	Solution
Dirty or clogged air passages	Flush and lubricate tool, drain air tank and supply line
Insufficient air supply	Increase line pressure, Make sure compressor matches tool's air pressure and consumption needs
Air leakage	Use PTFE tape at all fittings and joints. Check tool for worn or damaged O-rings & seals.
Worn/damaged wear & tear parts	Replace as necessary.
Tool matching	Be sure you are using a tool suited for the torque requirements of the job at hand.

HEAVY DUTY METAL SHEAR

Stock Number M662

OWNER'S MANUAL

SPECIFICATIONS:

Cutting Capacity . . . . . 18 GA
Air pressure (P.S.I.) 90
Average air consumption (C.F.M.) 6
Free speed (R.P.M.) 2,500
Air inlet (N.P.T.) 1/4
Hose size (I.D.) . . . . . 3/8 in.
Length (IN.) 8.5
Weight (LBS.) 2.6

Specifications are subject to change without notice.

WARNING!

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

Performance Tool®

IMPORTANT SAFETY INFORMATION

1. Be sure air is in "OFF" position when connecting tool to air supply.
2. Always wear approved eye protection when using air tools. If raising dust, wear a suitable mask.

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

1. Lead from lead-based paints;

2. Crystalline silica from bricks and cement or other masonry products;

3. 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.

3. Be sure to disconnect tool from air supply before changing accessories, performing service on tool and when not in use.
4. As with any tool, use common sense when operating. Do not wear loose clothing or jewelry that could become caught by moving parts, causing injury. Operate tool a safe distance from yourself and others in the work area.
5. To ensure long life of the air tool be sure to oil the tool daily before using. See below for instructions.
6. Follow air source manufacturers directions for connection of regulators, filters, and other accessories to air source. Do not install quick couplers directly on tool as they put unnecessary strain on the air inlet threads possibly causing them to wear out prematurely. Instead, install them on a short length of air hose attached to the tool.
7. Before using the Shear, make sure the blades are properly attached to the tool, and not dull, cracked, or bent.
8. Allow the Blades to move at full speed before feeding them into the workpiece. Do not force the Blades into the workpiece when cutting. Apply moderate pressure, allowing the Blades to cut without being forced. When turning off the shear allow the blades to stop on their own. Do not press against the blades to stop them.
9. Always use recommended replacement blades, Performance Tool model M597DB.

To replace the Blades:

1. Remove the three Lock Screws (32) and Lock Nuts (33) from the Cutter Housing (31).
2. Remove the Center Blade (35) first.
3. Then remove the Left Blade (34), Right Blade (37), and the two Bushings (36).

Install the new Blades.

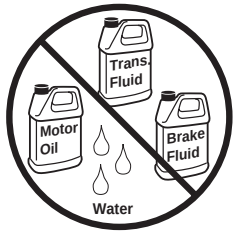
1. Place the two Bushings (36) between the new Left Blade (34) and Right Blade (35) and insert into the Cutter Housing (31).
2. Thread in the two Lock Screws (32), and tighten the two Lock Nuts (33).

LUBRICATION & MAINTENANCE

Oil tool before each use. 4 to 5 drops of a good grade Air Tool Oil placed in the air inlet is sufficient. Use proper air pressure and CFM rating listed for this tool.

Drain water from hoses and compressor tank. Water in the air supply line will cause gumming and loss of power. Clean the air filter on the supply line and flush the tool with gum solvent or a 50/50 mix of air tool oil and kerosene. It may be necessary to disassemble the tool to properly clean and re-lubricate.

Yes



No

AIR SOURCE

Clean air of correct air pressure is recommended for the power supply for this tool. A maximum of 90 PSI at the tool is recommended for most air tools of this class. Check specifications section for recommended pressure. (Depending on length of air hose and other circumstances, air pressure at compressor may need to be increased to 100 PSI to ensure 90 PSI at the tool.)

Water in the air hose and compressor tank contributes to reduced performance and damage of the air tool. Drain the air tank and filters before each use and as necessary to keep the air supply dry.

Hose length over 25' causes loss in line pressure. Increase hose I.D. or increase compressor pressure to compensate for the pressure loss. Use an in-line pressure regulator with gauge if air inlet pressure is critical.

OPERATION

IMPORTANT: Before first use, it is recommended to test the Shear on scrap material to determine the cutting capacity of the Blades.

1. Connect the air supply hose to the Shear.
2. Turn on the compressor, and set its regulator to the recommended 90 PSI for the Shear.
3. In order to keep the air supply hose out of the way, hang it over your shoulder.
4. Make sure to hold the Shear with both hands safely away from the Blades (34, 35, 37).
5. Place the Center Blade underneath the lip of the workpiece. Make sure the Left Blade (34) and Right Blade (37) are above the lip of the workpiece.
6. Squeeze the Trigger (8) and allow the Blades (34, 35, 37) to move at their fullest speed. Then move the Blades slowly along the cut line of the workpiece. Either cut completely through the workpiece or pull the Shear back through the cut portion of the workpiece before releasing the Trigger. This will help keep the Blades from getting caught in the workpiece.
7. If the tool requires more force to accomplish the task, verify that the tool receives sufficient, unobstructed airflow (6 CFM).
8. To prevent accidents, turn off the Shear, detach the air supply, safely discharge any residual air pressure in the tool, and release the Trigger (8) after use.
9. Clean external surfaces of the tool with clean, dry cloth, and apply a thin coat of tool oil. Then store the tool indoors out of children's reach.

CAUTION! TO PREVENT TOOL FAILURE RESULTING IN INJURY: Do not exceed the tool's maximum air pressure rating (90 PSI). If the tool still does not have sufficient force at maximum pressure and sufficient airflow, then a larger tool may be required.