

# 936

**GEAR DRIVEN  
HEAVY DUTY  
AIR SAW**



**⚠ WARNING**

Study, understand and follow all instructions provided with this product. Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.



## **INTENDED USE OF THE TOOL**

The 936 Air Saw is designed to cut mild steel up to 1/4" thick, as well as other materials your blade is designed for. Only use blades with universal 1/2" shanks not exceeding 6" in length. Do not use this tool outside of the designed intent. Never modify the tool for any other purpose or use.

## **BEFORE USE**

Before use, check the parts diagram and part number listing on page 5 to make sure all parts are included. If any parts are missing or damaged, please call your distributor.

## **PRODUCT INFORMATION**

- Industry leading gear-driven design with 250% more cutting capacity than standard air saws
- Cut quicker and thicker up to 1/4" (6.4mm) mild steel
- Accepts universal 1/2" shank standard saw blades

### *SPECIFICATIONS:*

Strokes per Minute: 7,000  
 Ave. Air Consumption: 4.0 CFM  
 Max. Rec. Air Pressure: 90 psi  
 Air Inlet: 1/4"  
 Net Weight: 3.0 lbs  
 Length: 12.2" (310mm)

Stroke Length: 10mm  
 Cutting Capacity: 1/4" (6.4mm)  
 Recommended Hose Size: 3/8"  
 Sound Pressure Level: 88 dB  
 Includes: 6"-14T, 3-5/8" - 32T, 3-5/8"-24T

## **WARNING**

### **CAUTION: TO HELP PREVENT PERSONAL INJURY.**

- Use of this product can expose you to chemicals including ethylene glycol, gasoline vapors and engine exhaust, which are known to the State of California to cause cancer, birth defects, or reproductive harm. Always wear ANSI approved safety equipment, safety glasses and clothing when using this product. Study, understand, and follow all instructions provided with this product. Failure to read and follow all warnings and operating instructions may result in damages and serious injury or death.
- Always wear ANSI approved goggles when using this product. (Users and Bystanders).
- Never use this tool for any application other than for which it was designed.
- Only use accessories designed for this tool.
- Never alter or modify this tool in any way.
- Improper operation and/or maintenance of the tool, modification of the tool, or use of the tool with accessories not designed for it could result in serious injury or death.
- Always select the correct accessories of the correct size and design for the job that you are attempting to perform.
- Always work in a clean, safe, well-lit, organized and adequately equipped area.
- Do not begin repairs without assurance that vehicle is in secure position, and will not move during repair.
- Users of this tool should review the chemical composition of the work surface and any products used in conjunction with this tool for any such chemicals prior to engaging in any activity that creates dust and/or microscopic particles.
- Users should obtain the Material Safety Data Sheets for all identified chemicals, either from the manufacturer or their employer, and proceed to study, understand, and follow all instructions and warnings for exposure to such chemicals.
- Some examples of these chemicals are: lead from lead based paints; crystalline silica from bricks, cement and other masonry products; and arsenic and chromium from chemically treated lumber.
- In order to reduce their exposure to such chemicals, users should always:
  - work in well-ventilated areas.
  - wear appropriate safety equipment and clothes that are specifically designed to filter out microscopic particles.

## **WARNING**

- The tool shall not be used in potentially explosive atmospheres.
- Disconnect the air hose before changing or adjusting any inserted tools.
- Before using tool, please confirm all couplings and plugs are fixed securely. An air hose that is under pressure may lash out when disconnected and could lead to serious injuries.
- Prevent loose clothes, long hair or any other personal accessories from coming close to moving parts to reduce the risk of being caught, trapped or drawn into the rotating spindle.
- Excessive high air pressure that exceeds the maximum pressure may cause injuries to user.
- Exposure to strong vibration for extended time may cause harm to operator.
- Be aware of the rotation direction before starting the tool to reduce hazardous situations due to unexpected rotation direction.
- **WATCH YOUR STEP!** Leaving excess hose unattended near working area or walk path could result in injury or death.
- Wearing eye/face protection could reduce the danger to person from high speed splinters being emitted from the tool or work surface.
- Wearing correct breathing protection will help avoid inhaling dust or debris from work process that can be harmful to your health.
- High sound levels can cause permanent hearing loss. Use hearing protection while operating tool.
- Due to the material being processed, there may be a risk of explosion or fire. Be aware of work surface dangers prior to beginning work.
- There is a risk of being cut due to high speed rotation. Do not touch high speed rotating disc.
- This power tool is not insulated. If contact is made with an electric current, injury may occur.
- Dust created by sanding, sawing, grinding, drilling and other related activities may expose the user to dust and/or microscopic particles that may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## **MAINTENANCE INSTRUCTION**

### **LUBRICATION:**

Before connection of the hose, apply 4 to 5 drops of a good quality air tool oil at the air inlet. After 3 to 4 hours of operation, oiling may be necessary again.

### **TIGHTNESS OF PARTS:**

Regularly check whether all connection parts are fastened securely. Follow this procedure daily before beginning work.

### **DISPOSAL:**

Follow national legislation of waste disposal.

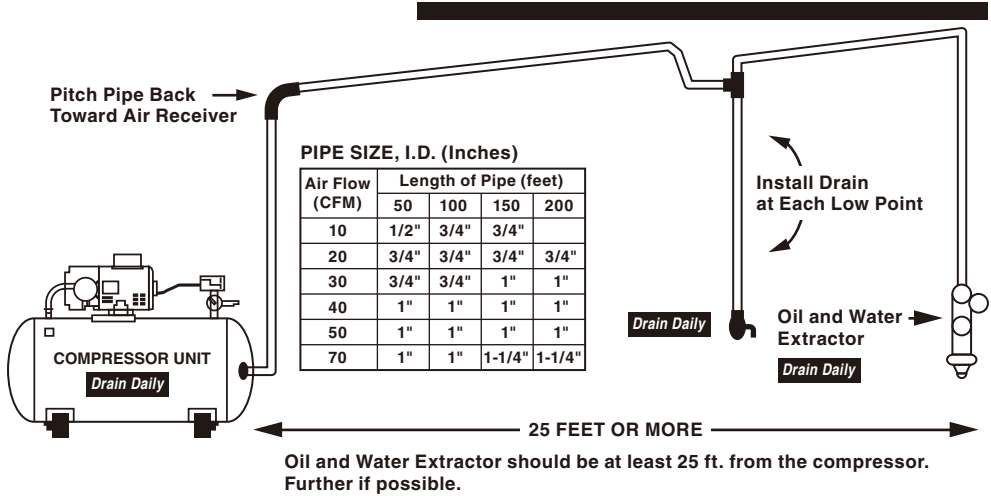
### **STORAGE:**

Avoid storing the tool in a location subject to high humidity. If the tool is left unused, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool at the air inlet with a good quality air tool oil and run it for a short period.

## SUGGESTED AIR LINE CONNECTION

The oil and water extractor should not be mounted on or near the air compressor.

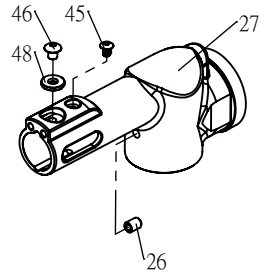
The temperature of air is greatly increased during compression. As the air cools down to room temperature, in the air line, on its way to the Air Power Tool, the moisture contained in it condenses. Thus, for maximum effectiveness, the oil and water extractor should be mounted at some point in the air supply system where the temperature of the compressed air in the line is likely to be lowest. Air lines must be properly drained daily. Each low point in an air line acts as a water trap. Such points should be fitted with an easily accessible drain. See diagram below. Pitch all air lines back towards the compressor so that condensed moisture will flow back into the air receiver where it can be drained off. **Drain daily.**



## OPERATION

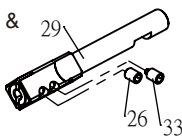
To properly maintain tool, grease can be applied as needed. To grease tool remove tap screw (#26) with hex wrench supplied. Force grease into location using grease kit. Always turn off the air supply, drain hose of air pressure and detach tool from air supply before installing, removing or adjusting any part or accessory on this tool, or before performing any maintenance on this tool.

NOTE: During operation, safety goggles should always be worn to guard against flying rust and chips (users & bystanders).



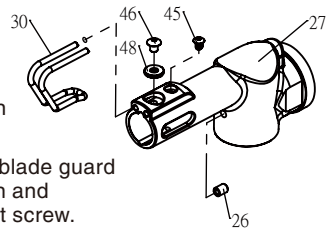
## TO CHANGE BLADES

1. Detach tool from air supply.
2. Use (#51) hex wrench provided to loosen (#26 & #33) set screws.
3. Insert blade into blade guide (#29) and retighten (#26 & #33) set screws.

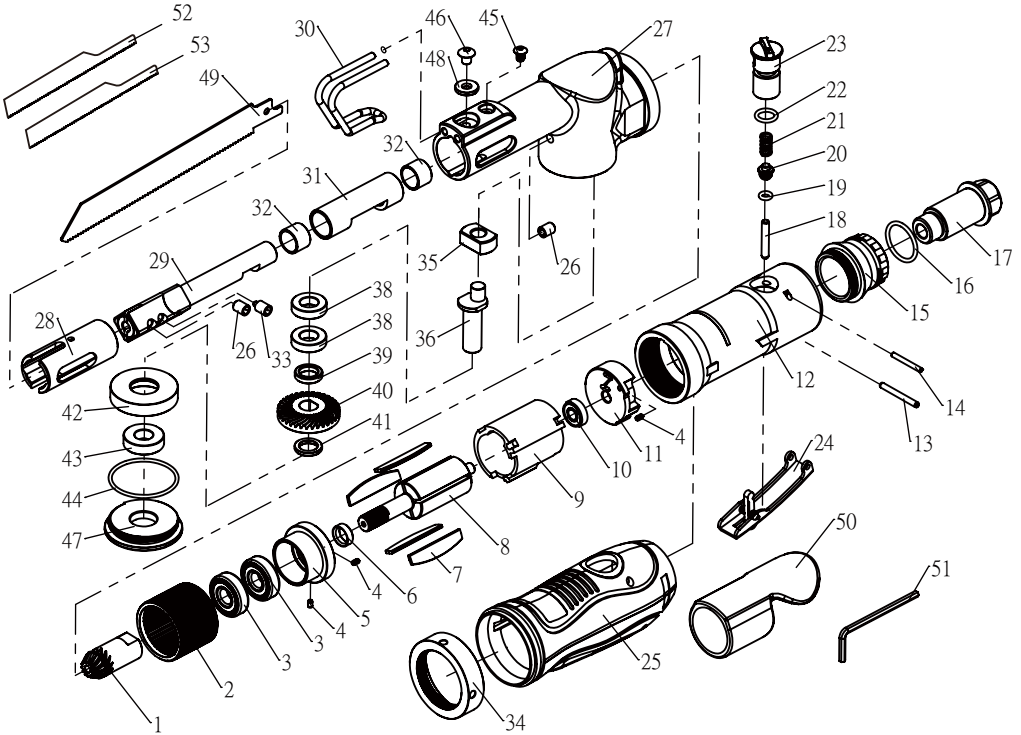


## TO ADJUST BLADE GUARD

1. Detach tool from air supply.
2. Use (#51) 3mm hex wrench provided to loosen (#46) set screw.
3. Adjust (#30) saw blade guard to desired position and retighten (#46) set screw.



## PARTS BREAKDOWN



## PARTS LIST

Index	Part No.	Description	Qty	Index	Part No.	Description	Qty	Index	Part No.	Description	Qty
1	936-01	Pinion	1	19	936-19	O-Ring (P4)	1	38	936-38	Ball Bearing	2
2	936-02	Lock Ring	1	20	936-20	Throttle Valve	1	39	936-39	Spacer	1
3	936-03	Bearing (609zz)	2	21	936-21	Valve Spring	1	40	936-40	Gear	1
4	936-04	Spring Pin ( $\varnothing 2.5 \times 4$ )	3	22	936-22	O-Ring	1	41	936-41	Spacer	1
5	936-05	Front End Plate	1	23	936-23	Valve Screw	1	42	936-42	Bearing Plate	1
6	936-06	Spacer	1	24	936-24	Throttle Lever	1	43	936-43	Ball Bearing	1
7	936-07	Rotor Blade	4	25	936-25	Housing Cover	1	44	936-44	O-Ring	1
8	936-08	Rotor	1	26	936-26	Set Screw (M6*0.75P)	2	45	936-45	Screw	1
9	936-09	Cylinder	1	27	936-27	Housing	1	46	936-46	Screw	1
10	936-10	Ball Bearing (696ZZ)	1	28	936-28	Chuck Guide	1	47	936-47	Cap	1
11	936-11	Rear End Plate	1	29	936-29	Spindle	1	48	936-48	Washer	1
12	936-12	Housing	1	30	936-30	Work Guide	1	49	936-49	Saw Blade 14T	1
13	936-13	Spring Pin ( $\varnothing 3 \times 28$ )	1	31	936-31	Chuck Bush	1	50	936-50	Heat Insulation Cover	1
14	936-14	Spring Pin ( $\varnothing 2.5 \times 20$ )	1	32	936-32	Bush	2	51	936-51	Hex. Wrench	1
15	936-15	Exhaust Sleeve	1	33	936-33	Set Screw (M6*1P)	1	52	5SAW	5pc Blade Set 24TPI	
16	936-16	O-Ring (S022.4)	1	34	936-34	Adjust Ring	1	53	5SAWR	5pc Blade Set 32TPI	
17	936-17	Inlet Bushing	1	35	936-35	CAM	1				
18	936-18	Valve Shaft	1	36	936-36	Transmission Shaft	1				