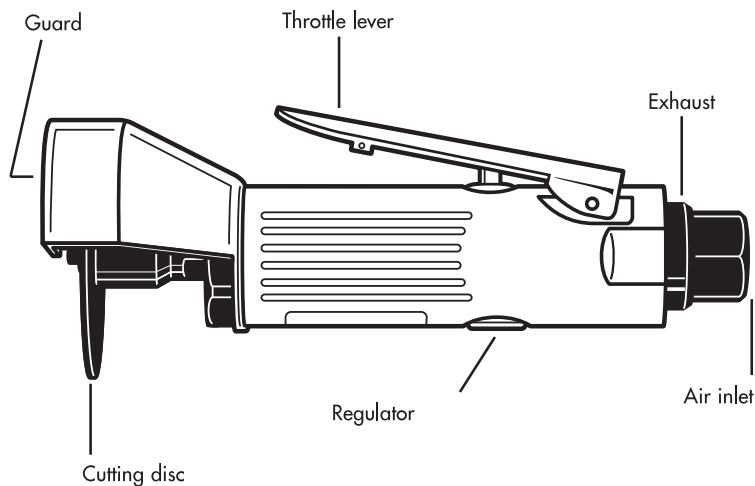


# Operating Instructions

## Cut-Off Tool

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

### Cut-Off Tool Features



### Specifications

Avg SCFM & psi	11.5 @ 90 psi (49% usage)
Continuous SCFM	23.8 @ 90 psi (100% usage)
Max. RPM	20,000
Wheel Size	.3" OD x 3/8" ID
Spindle Reach	.125"
Motor Horsepower	.1/3 HP
Air Inlet	.1/4" NPT (F)
Min. Hose Size	.3/8"
Tool Weight	1.6 lbs
Vibration	.12.7 m/s <sup>2</sup>
Sound dB(A)	
Pressure	.90
Power	.103

### Description

Professional air powered cut-off tools are air tools designed for a variety of cutting applications, and can be used on many metals. Used for cutting rusted exhaust bolts, auto panels and various home projects.

### Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

**⚠ DANGER** Danger indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING** Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**⚠ NOTICE** Notice indicates important information, that if not followed, may cause damage to equipment.

### Unpacking

When unpacking this product, carefully inspect for any damage that may have occurred during transit.

### General Safety Information

#### CALIFORNIA PROPOSITION 65

You can create dust when you cut, sand, drill, grind material such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.



This product is part of a high pressure system and the following safety precautions must be followed at all times along with any other existing safety rules.

1. Read all manuals included with this product care-fully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Only persons well acquainted with these rules of safe operation should be allowed to use the air tool.



**⚠ CAUTION** Do not exceed the maximum operating pressure of the air tool (90 psi). This can reduce the life of the tool.

3. Do not exceed any pressure rating of any component in the system. Maximum operating pressure of 90 psi is measured at the tool inlet while the tool is running. The pressure drop between the compressor

# Operating Instructions

## General Safety Information (Continued)

and tool needs to be compensated for at the compressor.

4. Disconnect the air tool from air supply before changing tools or attachments, servicing and during non-operation.

### **WARNING**

**Safety glasses and ear protection must be worn during operation.**



5. Do not wear loose fitting clothing, scarves, neck ties or jewelry when operating any tool. Loose clothing or jewelry may become caught in moving parts and result in serious personal injury.
6. Do not depress trigger when connecting the air supply hose.
7. Always use attachments designed for use with air powered tools. Do not use damaged or worn attachments.
8. Never trigger the tool when not applied to a work object. Attachments must be securely attached. Loose attachments can cause serious injury.
9. Protect air lines from damage or puncture.
10. Never point an air tool at oneself or any other person. Serious injury could occur.
11. Check air hoses for weak or worn condition before each use. Make sure all connections are secure.

### **WARNING**

**Release all pressure from the system before attempting to install, service, relocate or perform any maintenance.**



12. Keep all nuts, bolts and screws tight and ensure equipment is in safe working condition.

13. Do not put hands near or under moving parts. Keep hands off guard when operating. Do not operate tool without guard properly secured.



14. Always secure workpiece in a vise or clamp.

### **WARNING**

**Do not misuse this product. Excessive exposure to vibration, work in awkward positions and repetitive work motions can cause injury to hands and arms. Stop using any tool if discomfort, numbness, tingling or pain occur, and consult a physician.**

## Assembly

### SYSTEM SETUP

SEE PAGE 4.

### **WARNING**

**Use of a whip hose prevents accidental triggering of tool when pressurized air is connected to system.**

Using fittings or air hoses which are too small can create a pressure drop which will result in a loss of power in tool.

**NOTE:** Do not install a quick coupler set between tool and whip hose.

### AIR TOOL SETUP

Ensure tool is not connected to air supply then place tool upside down on workbench.

### **WARNING**

**Never carry a tool by the hose or pull hose to move tool or a compressor. Keep hoses away from heat, oil and sharp edges. Replace any hose that is damaged, weak or worn.**

## Pre-Operation

### LUBRICATION

Air tools require lubrication throughout the life of the tool. Proper lubrication is the owner's responsibility. Use airtool oil to lubricate, clean and inhibit rust in one step. Failure to lubricate and maintain air tool properly will dramatically shorten the life of the tool and will void the warranty.

### **CAUTION**

**This air tool requires lubrication before initial use and before and after each additional use.**

1. Disconnect tool from air supply.
2. Turn cutting tool upside down.
3. While pressing throttle control lever, pour a teaspoon of oil in the air inlet.

### **WARNING**

**Cover exhaust port with a towel before applying air pressure. Oil will discharge through exhaust port during first few seconds of operation after an airtool has been lubricated. Failure to cover exhaust port can result in serious injury.**

4. Release throttle lever and connect air tool to air supply. Cover exhaust port with a towel then run air tool for 20 to 30 seconds. Oil will discharge from exhaust port when air pressure is applied. Continue to run cutting tool until no oil is discharged. Wipe all residual oil off of tool before use.

## Operation

### ATTACHMENTS

### **WARNING**

**Disconnect air tool from air supply before changing attachments or serious injury could occur.**

### **WARNING**

**Make sure cut-off wheel is tightened securely before operating air tool.**

### CHANGING CUT-OFF WHEELS

1. Remove the cap screw holding the cut-off wheel. Remove the cut-off wheel (See Figure 1). Arbor wrench is included with some models.

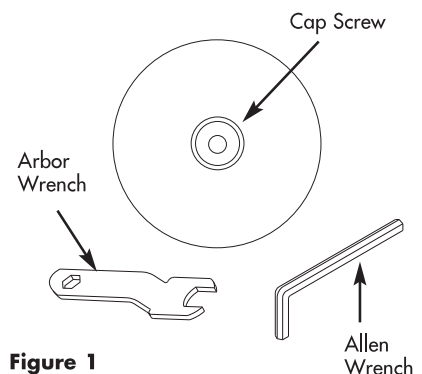


Figure 1

## Operation (Continued)

- Center new cut-off wheel on arbor (See Figure 2). Make sure cut-off wheel is rated for RPM of air tool. **Securely tighten cap screw.**

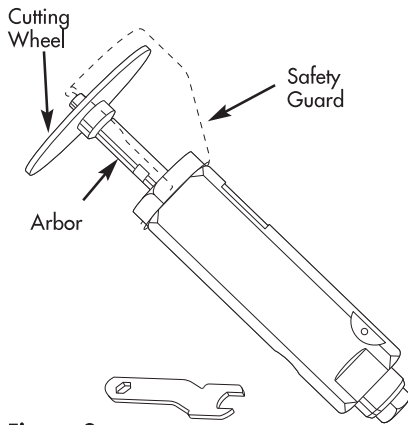


Figure 2

**⚠ WARNING** *Cut-off wheels must be securely fastened to the tool. Only use 3" max. diameter cut-off wheels rated at or above tool rated RPM.*

## Storage

Lubricate air tool before storing. Follow lubrication instructions in Pre-Operation section with an exception to step 4. Run cutting tool for only 2 to 3 seconds so more oil will remain in air tool for storage.

## General Troubleshooting Guide

Symptom	Possible Cause(s)	Corrective Action
Tool runs slowly or will not operate	1. Grit or gum in tool	1. Flush the tool with air tool oil, gum solvent, or an equal mixture of SAE 10 motor oil and kerosene. If oil is not used, lubricate the tool after cleaning
	2. No oil in tool	2. Lubricate the tool according to lubrication instructions in Pre-Operation section
	3. Low air pressure	3. Adjust the compressor regulator to tool maximum while the tool is running free
	4. Air hose leaks	4. Tighten and seal hose fittings if leaks are found
	5. Pressure drops	5. Be sure hose is properly sized. Long hoses or tools using large volumes of air may require a hose with an I.D. of 1/2" or larger depending on total hose length
	6. Regulator adjusted wrong	6. Adjust regulator with slotted screwdriver to maximum speed
Moisture blowing out of tool	1. Water in tank	1. Drain tank (See air compressor manual). Oil tool and run until no water is evident. Oil tool again and run 1-2 seconds
	2. Water in the air lines/hoses	2a. Install a water separator/filter. <b>NOTE:</b> Separators work properly only when air steam is cool. Locate separator/filter as far as possible from compressor
		2b. Install an air dryer