Safety Warning: Always wear eye and respiratory protection as well as proper personal safety equipment when using this product. Comply with ANSI B7.1 and OSHA requirements.
# TABLE OF CONTENTS

Introduction ............................................................................................................... 2  
About the Symbols .................................................................................................. 2  
Safety Instructions for Power Tools ......................................................................... 2  
COTR-03 Features .................................................................................................. 4  
COTR-03 Overview .................................................................................................. 5  
Removal/Installation the Blade ............................................................................... 6  
COTR-03 Schematic ................................................................................................ 8  
COTR-03 Parts List ................................................................................................. 9  
Accessories and Factory Service ............................................................................ 11  
Product Registration ............................................................................................... 12  

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For repair information call:  
Headquarters, Oakland, NJ — (800) 648-7229 ext.505  

Due to specially designed components this machine must be serviced only with genuine ALPHA® parts.
INTRODUCTION
Thank you for purchasing an Alpha® Pneumatic Reversible Cut-Off Tool. A wide range of accessories help you perform many different tasks. For your safety, please read this manual thoroughly before you start operating this polisher.

ABOUT THE SYMBOLS
According to the hazard level, all safety notes in this manual are classified into “DANGER”, “WARNING”, and “CAUTION”.

⚠️ DANGER! Death or serious personal injury is imminent when handling this tool incorrectly.

⚠️ WARNING! There is a possibility of death or serious personal injury when handling this tool incorrectly.

⚠️ CAUTION! There is a possibility of personal injury or property damage when handling this tool incorrectly.

Note: In some situations, failing to observe WARNING notes could result in death or serious personal injury. Be sure to read and observe the safety notes to ensure safety and correct use of the tool.

SAFETY INSTRUCTIONS FOR POWER TOOLS

1. KNOW YOUR POWER TOOL. Read owner’s manual carefully. Learn its applications and limitations as well as specific potential hazards particular to this tool.

2. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

3. AVOID DANGEROUS ENVIRONMENTS. Keep work areas as dry as possible. Do not use tool in presence of flammable liquids or gases. Keep the area well lit.

4. KEEP CHILDREN AND VISITORS AWAY. All visitors should be kept a safe distance from the work area. Keep out of reach of children.
5. **DON’T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.

6. **WEAR PROPER APPAREL.** Do not wear loose clothing or jewelry as it can get caught in moving parts. Rubber gloves and insulated non-skid footwear are recommended. Wear protective covering to contain long hair.

7. **WEAR PROPER EYE PROTECTION.** All users and bystanders must always wear proper personal eye protection which conform with ANSI/ISEA Z87.1 (CAN/CSA Z94.3). Also use a face or dust mask if operation is dusty. Always wear certified safety equipment.

8. **WEAR PROPER EYE PROTECTION.** All users and bystanders must wear proper personal ear protection which conforms with ANSI S12.6 (S3.19) hearing protection.

9. **WEAR PROPER RESPIRATORY PROTECTION.** All users and bystanders must wear proper personal respiratory protection. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure.

**Warning:** Some dust created by power sanding, sawing, grinding, drilling, polishing and other construction activities contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. 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.

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

To familiarize with the risks associated with a material, consult with your employer, manufacturer/supplier and government agencies regarding the hazards of the materials and their recommendations to protect yourself.

10. **ALWAYS SECURE WORK PIECE.** Use clamps or a vise to hold work. It’s safer than using your hand and it frees both hands to operate tool.

11. **DON’T OVERREACH.** Keep proper footing and balance at all times.

12. **DISCONNECT TOOLS WHEN NOT IN USE.** Always disconnect tool before servicing; when changing accessories.

13. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools clean at all times for best and safest performance.

15. **AVOID ACCIDENTAL STARTING.** Do not carry a “connected” tool, or make adjustments, or change blades without making sure the tool is disconnected from the air supply.

16. **USE ONLY RECOMMENDED ACCESSORIES.** The use of any accessories other than what is listed or recommended for this particular tool may be hazardous.

17. **KEEP HANDS AWAY FROM ALL MOVING PARTS.**

18. **USE SIDE HANDLES.** Supplied with tool for control and safety.

19. **STAY ALERT.** Watch what you are doing and use common sense. Do not operate tool when you are tired, or under the influence of medication or alcohol.

► **FEATURES**

- Special Hub Allows for Left or Right Turning Cutting Action
- Collar Operated Easy Directional Change
- Safety Throttle Lever
- Rear Exhaust
- Powerful Motor (0.85HP/0.63 KW)
COTR-03 OVERVIEW

SPECIFICATIONS:

- Free Speed: 20,000 RPM
- Cutting Disc Dimensions: 3” (75mm)
- Air Inlet: 1/4” NPT
- Hose Size ID: 3/8” (10mm)
- Air Consumption: 4 CFM (113 L/min)
- Length: 8-1/16” (204mm)
- Weight: 2 lbs (0.9 kg)
- Noise Level: 83 dB(A)
- Recommended Air Pressure: 90 PSI (6.2 Bar)
**REMOVAL/INSTALLATION THE BLADE**

⚠️ **CAUTION!**

1. Place the Spanner on the bolt flange (See Fig.1)

![Figure-1](image1.jpg)

2. Insert the Key Wrench inside the screw **NOTE: Screw has a reverse thread.** (See Fig.2)

![Figure-2](image2.jpg)

3. Turn the Hex. Key Wrench in a clockwise rotation to remove the screw from the spindle. (See Fig.3)

![Figure-3](image3.jpg)
REMOVAL/INSTALLATION THE BLADE

4. After the screw has been removed from the spindle, place the Spanner on the Spindle and the second Spanner on the bolt flange. (See Fig.4)

5. Turn the Spanner located on the bolt flange in a counterclockwise rotation to remove from the spindle. (See Fig.5)

TO INSTALL REVERSE THE ORDER OF THE REMOVAL PROCESS.
ALPHA® COTR-03 SCHEMATIC
<table>
<thead>
<tr>
<th>DRAWING NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
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<td>Motor Housing</td>
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<td>2</td>
<td>3010-0002</td>
<td>Spring Pin (3x22)</td>
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<tr>
<td>3</td>
<td>3010-0003</td>
<td>Air Inlet</td>
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<tr>
<td>4</td>
<td>3010-0004</td>
<td>Throttle Lever</td>
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<td>3010-0005</td>
<td>Pin</td>
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<td>3010-0006</td>
<td>Reverse Valve</td>
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<td>3010-0007</td>
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<td>3010-0012</td>
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<td>Ball Bearing (696zz)</td>
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<td>Rear End Plate</td>
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<td>Rotor</td>
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<td>3010-0019</td>
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<td>Disc Cover</td>
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<td>Spindle</td>
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<td>Pin (4x13.8)</td>
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<td>27</td>
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<td>Washer (3/8&quot;)</td>
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## ALPHA® COTR-03 PARTS LIST

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<th>DESCRIPTION</th>
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<td>Bolt Flange</td>
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<td>Washer (M5)</td>
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<td>3010-0031</td>
<td>Spring Pin (2x4)</td>
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<td>3010-0032</td>
<td>Spring (5)</td>
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<td>3010-0033</td>
<td>O-Ring (2) (15.8x2.4)</td>
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<td>Reverse Valve Knob</td>
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<td>3010-0035</td>
<td>O-Ring (31x1.5)</td>
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<td>3010-0036</td>
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<td>3010-0038</td>
<td>Rubber Grip</td>
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<td>3010-0039</td>
<td>Double Ended Spanner (14mm-19mm)</td>
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<td>3010-0040</td>
<td>Hex. Key Wrench (4mm)</td>
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<td>3010-0041</td>
<td>Safety Bar</td>
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<td>Spring</td>
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<tr>
<td>62</td>
<td>3010-0043</td>
<td>Steel Ball</td>
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</tbody>
</table>
ACCESSORIES AND FACTORY SERVICE

All the accessories can be purchased at a local distributor in your area. For more information concerning Alpha® Pneumatic Reversible Cut-Off Tool and factory service, please contact the Alpha® distribution centers listed below.

COMPANY HEADQUARTERS
& REPAIR CENTER:
Alpha Professional Tools®
103 Bauer Drive
Oakland, NJ 07436
Hours of Operation: 8:30 a.m. – 5:00 p.m. EST
Telephone Number: 201-337-3343
Toll-Free Number: 800-648-7229

CANADIAN REPAIR CENTER:
Edgewood Sales & Marketing
10 Simon Court
Waterford, ON N0E 1Y0
Telephone Number: 519-896-4992 ext. 101

WARRANTY

Limited Warranty of Alpha® Pneumatic Reversible Cut-Off Tool (COTR-03) for USA and Canada ONLY!
Alpha Professional Tools® warrants this product against defects in material and workmanship for a period of one year from the date of original retail purchase (proof of purchase required). If Alpha Professional Tools® receives notice of such defects during the warranty period, our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge. This warranty does not apply to Alpha® accessories. Returns within the warranty period should be sent in freight prepaid to an Authorized Warranty Service Center.

The warranty does not apply in situations where:
- The tool has been misused, abused or improperly maintained
- Alterations or repairs were made by others
- Repairs due to normal wear and tear

Some States do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For Warranty Claims: Send complete tool with all your information and details of the problem to an Authorized Warranty Repair Center, transportation prepaid. Do not send tool accessories.

NOTE: Any tools purchased through an unauthorized distributor are not covered under warranty.
PRODUCT REGISTRATION CARD

Model No.  COTR-03  Serial No.

Company Name: ______________________________________________

Name: ______________________________________________________

Address: ____________________________________________________

City: _______________________ State: ________ Zip: ________________

Telephone: ___________________________________________________

Purchase Date: _______________________________________________

Dealer’s Name: _______________________________________________

Note: Serial & Model Number must be included for proper registration.

Alpha Professional Tools®  (800) 648-7229

Register online at:

Mail or Fax to:
Alpha Professional Tools®
103 Bauer Drive, Oakland, NJ 07436
Fax: 800-286-0114

Photocopy of product registration form will be accepted.