

Alpha[®] Pneumatic Reversible Cut-Off Tool



Part No: COTR-03
Version 2



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.

 **Alpha Professional Tools**[®]

103 Bauer Drive, Oakland, NJ 07436 • 800-648-7229 • Fax: 800-286-0114
www.alpha-tools.com

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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 EAR 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

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



Figure-2

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

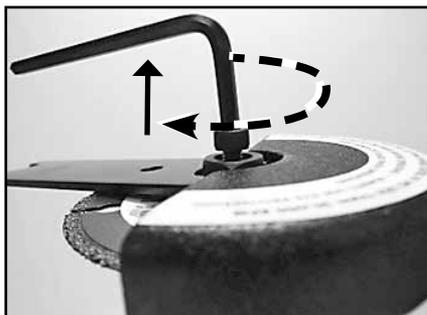


Figure-3

► **REMOVAL/INSTALLATION THE BLADE**

⚠ CAUTION!

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)

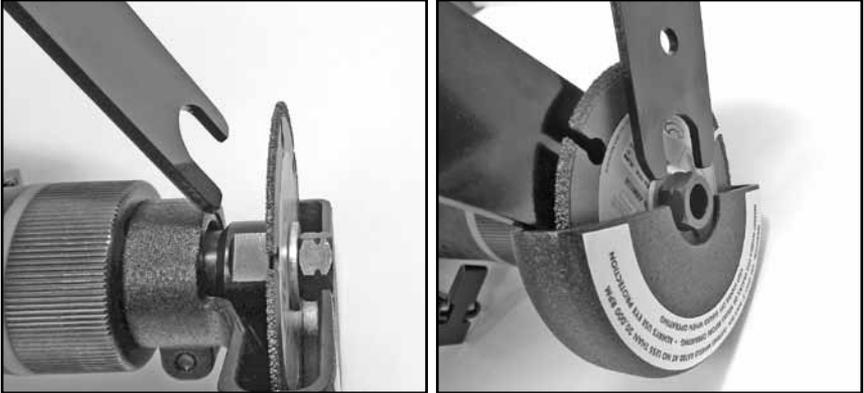


Figure-4

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

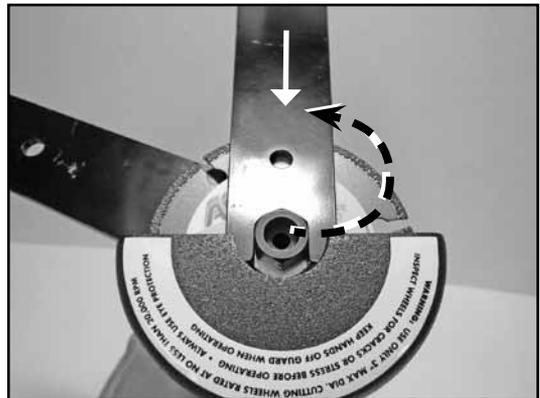
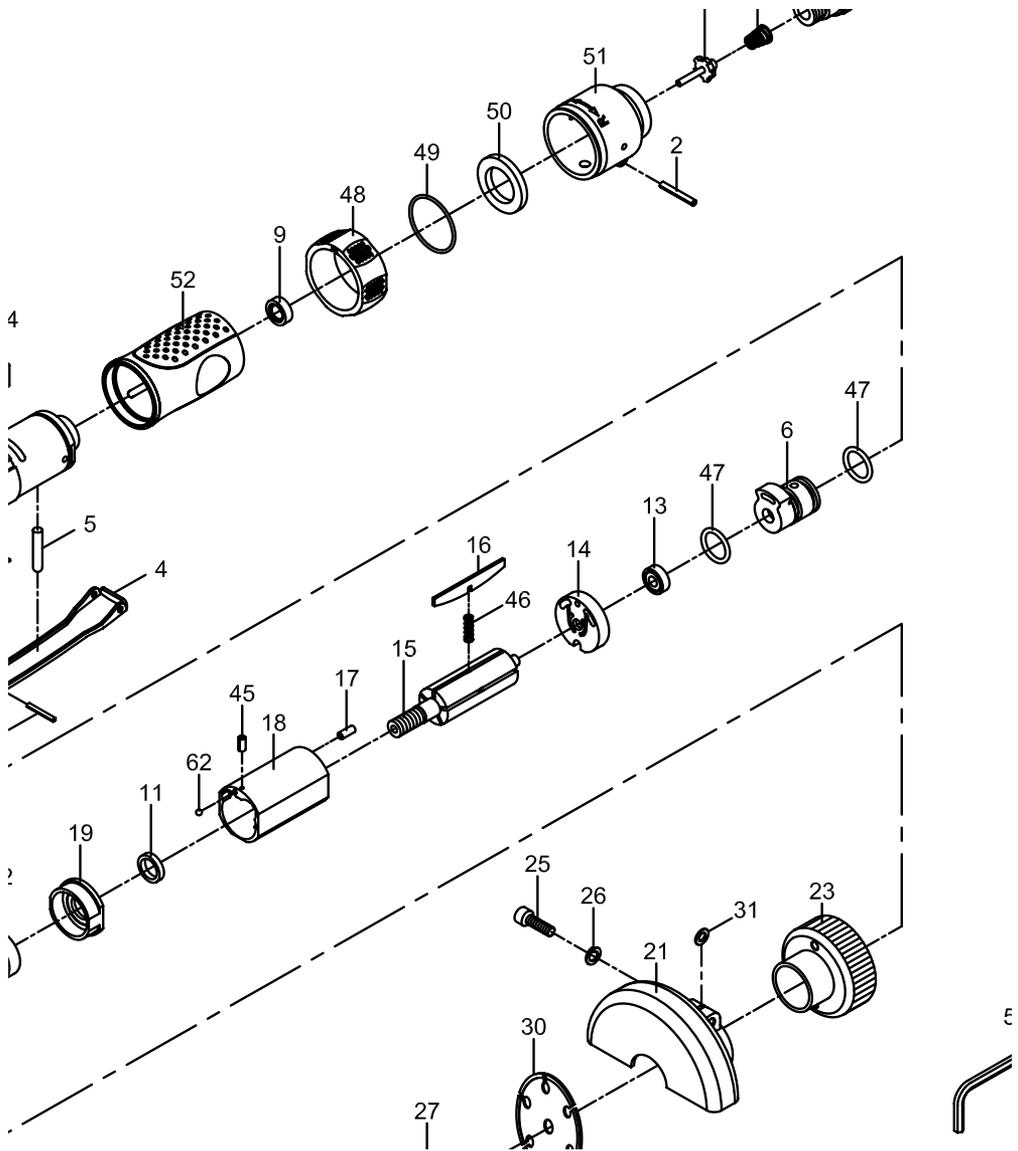


Figure-5

► **TO INSTALL REVERSE THE ORDER OF THE REMOVAL PROCESS.**

ALPHA® COTR-03 SCHEMATIC



ALPHA® COTR-03 PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
1	3010-0001	Motor Housing	1
2	3010-0002	Spring Pin (3x22)	1
3	3010-0003	Air Inlet	1
4	3010-0004	Throttle Lever	1
5	3010-0005	Pin	1
6	3010-0006	Reverse Valve	1
7	3010-0007	Spring Pin (2x16)	1
8	3010-0008	Spring	1
9	3010-0009	Rubber Spacer	1
10	3010-0010	Valve Stem	1
11	3010-0011	Rotor Bush	1
12	3010-0012	Ball Bearing (6000zz)	1
13	3010-0013	Ball Bearing (696zz)	1
14	3010-0014	Rear End Plate	1
15	3010-0015	Rotor	1
16	3010-0016	Rotor Blade (5)	1
17	3010-0017	Spring Pin (2.5x6)	1
18	3010-0018	Cylinder	1
19	3010-0019	Front End Plate	1
21	3010-0020	Disc Cover	1
22	3010-0021	Spindle	1
23	3010-0022	Clamp Nut	1
24	3010-0023	Pin (4x13.8)	1
25	3010-0024	Screw (M5x16)	1
26	3010-0025	Spring Washer (M5)	1
27	3010-0026	Washer (3/8")	1

ALPHA® COTR-03 PARTS LIST

DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY
28	3010-0027	Bolt Flange	1
29	3010-0028	Screw (L M5x35)	1
30	ABM0338	Ultracut ABM 3" (75mm)	1
31	3010-0030	Washer (M5)	1
45	3010-0031	Spring Pin (2x4)	1
46	3010-0032	Spring (5)	1
47	3010-0033	O-Ring (2) (15.8x2.4)	1
48	3010-0034	Reverse Valve Knob	1
49	3010-0035	O-Ring (31x1.5)	1
50	3010-0036	Muffler Material	1
51	3010-0037	Rear Cover	1
52	3010-0038	Rubber Grip	1
53	3010-0039	Double Ended Spanner (14mm-19mm)	2
54	3010-0040	Hex. Key Wrench (4mm)	1
60	3010-0041	Safety Bar	1
61	3010-0042	Spring	1
62	3010-0043	Steel Ball	1

► **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:
www.alpha-tools.com/productregistration.aspx

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.



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