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Failure by the original retail purchaser to install, maintain and operate said equipment in accordance with good industry practices, or failure to comply with the specific recommendations of the Company set forth in the owner's manual, shall render this warranty null and void. The Company shall not be liable for any repairs, replacements, or adjustments to the equipment or any costs for labor performed by the purchaser without the Company's prior written approval. The effects of corrosion, erosion and normal wear and tear are specifically excluded from this warranty.

**THE COMPANY MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE. ALL IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES UNDER ANY AND ALL WARRANTIES, OTHER CONTRACTS, NEGLIGENCE, OR OTHER TORTS IS EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW.**

Notwithstanding the above, any legal claim against the Company shall be barred if legal action thereon is not commenced within twenty-four (24) months from the date of purchase or delivery whichever occurs last. This warranty constitutes the entire agreement between the Company and the original retail purchaser and no representative or agent is authorized to alter the terms of same without expressed written consent of the Company.

**GARANTIA LIMITADA POR UN AÑO:** Coleman Powermate Compressors, Inc. (la Empresa) garantiza que durante un período de doce (12) meses a partir de la fecha de compra reemplazará o reparará, sin cargo, para el comprador minorista original, cualquier pieza o piezas fabricadas por la Empresa que, al ser estudiados por la Empresa o los representantes asignados de la Empresa, tengan defectos en el material o mano de obra o ambos. Todos los costos de transporte para las piezas enviadas para reparación o reemplazo bajo esta garantía deben ser pagados por el comprador minorista original. Este es el único recurso posible bajo esta garantía.

Si el comprador minorista original no instala, mantiene u opera dicho equipo de acuerdo con las prácticas industriales correspondientes, o no cumple con las recomendaciones específicas de la Empresa presentadas en el manual del propietario, entonces la garantía será anulada y no válida. La Empresa no será responsable de cualquier reparación, reemplazo o ajuste al equipo o cualquier costo de mano de obra realizados por el comprador sin la aprobación previa por escrito de la Empresa. Los efectos de la corrosión, erosión y desgaste normal están específicamente excluidos por esta garantía. **LA EMPRESA NO HACE NINGUNA OTRA GARANTIA NI REPRESENTACION DE NINGUN TIPO, EXPRESA O IMPLICITA, SALVO LA ANTERIOR. TODAS LAS GARANTIAS IMPLICITAS, INCLUYENDO LA GARANTIA DE COMERCIABILIDAD Y APTITUD PARA UN PROPOSITO PARTICULAR ESTAN EXCLUIDAS POR ESTE MEDIO. LA RESPONSABILIDAD POR DANOS EMERGENTES O INCIDENTALES BAJO CUALQUIERA Y TODAS LAS GARANTIAS, OTROS CONTRATOS, NEGLIGENCIA U OTROS PERJUICIOS QUEDA EXCLUIDO EN LA MEDIDA QUE LO PERMITA LA LEY.**

No obstante lo anterior, cualquier demanda legal contra la Empresa será impedida si dicha acción legal no se inicia dentro de los veinticuatro (24) meses a partir de la fecha de compra o entrega, lo que ocurra último. Esta garantía constituye todo el acuerdo entre la Empresa y el comprador minorista original y ningún representante o agente está autorizado para alterar los términos del mismo sin el consentimiento expreso por escrito de la Empresa.

**GARANTIE LIMITÉE D'UN AN:** La Société Coleman Powermate Compressors, Inc. (la Société) garantit que, pendant une période de douze (12) mois à partir de la date d'achat, elle remplacera ou réparera, gratuitement, pour l'acheteur d'origine uniquement, n'importe quelle pièce, fabriquée par la Société, jugée défectueuse par la Société ou les représentants désignés, tant au niveau des matériaux qu'à celui de la fabrication. Tous les frais de transport pour les pièces à échanger ou à réparer dans le cadre de cette garantie doivent être assurés par l'acheteur d'origine. Cela constitue le seul recours dans le cadre de cette garantie.

Par l'acheteur d'origine d'installer, d'entretenir et de faire fonctionner ledit matériel conformément aux recommandations normales pour ce type de matériel ou toute des recommandations spécifiques de la Société définies dans le manuel de l'opérateur d'entretien, se solderont par l'annulation de cette garantie. La Société ne pourra pas être tenue responsable des réparations, remplacements, ou réglages du matériel ou des coûts de main d'oeuvre de l'acheteur sans le consentement préalable par écrit de la Société. Les effets de la corrosion, de l'érosion et de l'usure normale sont spécifiquement exclus de cette garantie.

**LA SOCIÉTÉ NE FOURNIT AUCUNE AUTRE GARANTIE OU REPRÉSENTATION QUELLE QU'ELLE SOIT, EXPLICITE OU IMPLICITE, SAUF POUR LE TITRE. TOUTES LES GARANTIES IMPLICITES, Y COMPRIS TOUTE GARANTIE DE COMERCIABILITÉ ET D'APTITUDE À UNE UTILISATION SPECIFIQUE SONT PAR CONSÉQUENT REFUSÉES. LA RESPONSABILITÉ QUANT AUX DOMMAGES INDIRECTS OU FORTUITS COUVERTS PAR TOUTES LES GARANTIES, LES AUTRES CONTRATS DE GARANTIE, LA NEGLIGENCE OU AUTRES ACTES PRÉJUDICIALES EST EXCLUE CONFORMÉMENT AUX DISPOSITIONS D'EXCLUSION PERMISES PAR LA LOI.**

Sauf pour les termes définis ci-dessus, tout recours légal contre la Société sera exclus si l'action en justice n'est pas entamée l'échéance la plus longue étant retenue dans les vingt-quatre (24) mois à partir de la date d'achat ou de livraison. Cette garantie constitue la totalité de l'accord entre la Société et l'acheteur d'origine, et aucun représentant ou agent n'est autorisé à modifier les termes sans le consentement écrit de la Société.

## PRODUCT ASSISTANCE

Monday-Friday 7:00 a.m.-5:30 p.m.  
Central Time (Excluding Holidays)

**1-800-544-5145**

(U.S. & Canada)

or

**1-507-723-6211**

Coleman Powermate Compressors, Inc.  
118 W. Rock St.  
Springfield, MN 56087  
(507) 723-6211  
FAX (507) 723-4772

**Coleman Powermate**

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**Coleman Powermate**  
**AIR TOOLS**

# 4" ANGLE GRINDER

**Operating Instructions for:**

4" Angle Grinder, Model P024-0116SP

Coleman Powermate Compressors, Inc.  
118 W. Rock St.  
Springfield, MN 56087  
(507) 723-6211  
FAX (507) 723-4772

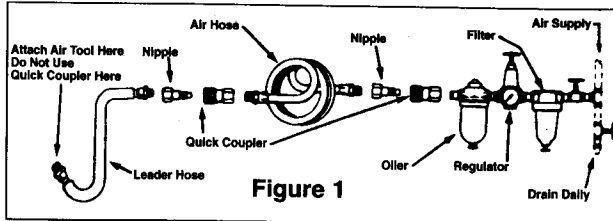


Figure 1

## INTRODUCTION

Please read all instructions before operating your 4" Angle Grinder. This manual contains important safety information and information necessary to protect your angle grinder from damage. Save these instructions for future reference.

### Unpacking

Check carefully as you unpack your Coleman® Powermate® angle grinder for the first time. Please notify us at our product assistance number (on the back of this manual) if anything is damaged or missing.

### Symbols used:

**Meaning: Safety warning. Failure to understand and obey this warning may result in injury to you or to others.**

## CAUTION

**Meaning: Failure to follow these instructions may cause equipment damage.**



**Wear Safety Goggles!**



**Wear Hearing Protection!**



**Wear A Respirator Mask!**

### General Safety

**Safety warning! Failure to understand and obey the following may result in injury to you or to others.**

1. Read the compressor manual and follow all compressor safety instructions.
2. ALWAYS wear approved safety goggles, hearing protection and a respirator mask.
3. Remove watches, rings and other dangling objects. Loose clothing or jewelry may become caught in the air compressor or air tool and may result in serious personal injury.
4. Always use Type 27 Straight Wheel 4"x1/4" with 3/8"-24 UNF arbor grinding wheel that is designed for this angle grinder.
5. NEVER connect quick change couplings directly to the tool or air inlet. Use a leader hose (see Figure 1).
6. The throttle (trigger) MUST be in "OFF" position when connecting the tool to the air supply.
7. Disconnect tool from air supply when not in use. NEVER change accessories or perform maintenance or service operations while the tool is connected to the air supply.
8. Make sure that your footing is secure. Do not overreach or cause yourself to lose your balance.
9. Make sure your hands are free to operate the tool and that your work is properly secured.
10. Only operate tool at the rate for which it is designed.
11. Properly maintain the tool and follow all instructions for lubrication and maintenance.
12. Do not abuse the hoses or connectors by carrying the tool by the hose or yanking it to disconnect it from the air supply. Keep the hose away from heat, oil, and sharp edges. The hose should be replaced if it is damaged or worn.
13. Place cleaning rags and other flammable waste materials in a secured metal container. The container should be disposed of properly in accordance with local, state and federal regulations.

14. NEVER operate the tool over 90 PSI air pressure. Use a pressure regulator to reduce line pressures to 90 PSI.
15. Always operate the tool a safe distance from people or pets.
16. Inspect each grinding wheel for cracks, or chips prior to mounting. DO NOT use a wheel that is chipped, cracked or damaged in any other way.
17. NEVER use a grinding wheel with a rated speed lower than the actual free speed R.P.M. of the angle grinder.

## BEFORE YOU START

### Air Supply

See Model Specifications for important information on your air tool.

Lubricate the tool before using. (See Maintenance.)

## CAUTION

Use only grinding wheels that are rated with R.P.M. equal to or greater than the no load free speed R.P.M. of your grinder.

Replacement grinding wheels are available from Coleman; order part #P024-0121SP or use Type 27 straight wheel 4"x1/4" with 3/8"-24 UNF Arbor.

### Assembly

To attach or remove a grinding wheel, always turn off the air supply and disconnect the air supply hose.

1. Secure the handle (included with your tool) to the left side of the tool body behind the metal wheel guard.
2. Use the collet wrenches (included with your tool) for loosening or securing the collet nut.
3. Place the open ended collet wrench on the inside flats of the grinder shaft located behind the grinding wheel to hold it from turning.
4. Place the two-pronged wrench into the holes on the collet nut located in front of the grinder wheel and turn counterclockwise to loosen.
5. Screw the collet nut off the arbor and remove the worn or damaged grinder wheel.
6. Insert a new grinding wheel. Screw the collet nut into the arbor and turn clockwise to tighten, using the same collet wrenches previously used.
7. After mounting a wheel, hold the grinder under a workbench and run it for at least 60 seconds to be sure the grinding wheel is secure. Make certain no one (including the operator) is in the operating plane of the grinding wheel.

**Safety warning! DO NOT use a grinding wheel that is chipped, cracked or damaged in any other way. NEVER use a grinding wheel with a rated speed lower than the actual free speed of the angle grinder.**

## OPERATING INSTRUCTIONS



**Wear Safety Goggles!**



**Wear Hearing Protection!**



**Wear A Respirator Mask!**

As a standard practice, drain water from air compressor tank and blow condensation from air lines prior to use each day.

**Safety warning! Always grip the angle grinder with both hands to avoid the chance of it being wrenched from your grasp or the possibility of it throwing you off balance.**

1. Start up your air compressor. Operating pressure 90 PSI maximum.
2. Use both hands to operate tool. Place left hand on handle, right hand gripping the tool at the throttle (trigger).
3. Squeeze throttle (trigger) gently. When starting with a cold wheel, apply it to the work slowly until the wheel gradually warms up. Make smooth contact with the work, and avoid any bumping action or excessive pressure.

Your 4" angle grinder is designed to do general prep-work, de-burring, weld grinding, and removing any sharp edges. Operate angle grinder at the rate for which it is designed for better and safer operation.

## MAINTENANCE

### Lubrication

1. Disconnect the grinder from the air supply.
2. Add 4-6 drops of Coleman air tool oil #018-0059SP, SAE10 nondetergent oil, or equivalent into the air inlet while depressing the trigger.
3. Connect the grinder to the air supply and run for approximately 30 seconds to remove excess oil.

This lubrication procedure will help reduce moisture, dust and dirt that gradually increases inside any air tool during use and reduces performance levels. An in-line oiler is recommended for best protection.

**Safety warning! Discharged oil can cause serious injury. After oiling, cover the exhaust port with a towel and operate the angle grinder for a few seconds to safely remove the excess oil. Keep the towel away from moving parts!**

Quarterly or if angle grinder is sluggish, disconnect the air hose and pour a generous amount of gum solvent oil, an equal mixture of SAE #10 and kerosene or WD-40® into the air inlet. Connect the air hose and run the angle grinder for 30 seconds to clean the air tool motor. Follow lubrication instructions after cleaning.

## TROUBLESHOOTING

Trouble	Possible cause	Possible solution
Low power or low free speed	Insufficient air pressure  Grinder needs cleaning	Check air line pressure at inlet. It must be 90 PSI maximum  See Maintenance
Rough operation	Improper lubrication	See Lubrication

## MODEL SPECIFICATIONS

Model	CFM	Max PSI	Max RPM	Air Inlet	Air hose	Wheel size
P024-0116SP	4.0	90	11,000	1/4" NPT	3/8"	Type 27 Straight Wheel 4" O.D. x 1/4" with 3/8"-24 UNF I.D. Arbor

## PROBLEMS?

**PLEASE CALL OUR PRODUCT ASSISTANCE LINE**

**1-800-544-5145  
(U.S. & Canada)  
or 1-507-723-6211**