

PDC3A-1
NEW STYLE

WARNING LABEL IDENTIFICATION



FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.

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| | WARNING |
| | Always wear eye protection when operating or performing maintenance on this tool. |

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| | WARNING |
| | Always wear hearing protection when operating this tool. |

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| | WARNING |
| | Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool. |

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| | WARNING |
| | Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use. |

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| | WARNING |
| | Do not carry the tool by the hose. |

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| | WARNING |
| | Do not use damaged, frayed or deteriorated air hoses and fittings. |

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| | WARNING |
| | Keep body stance balanced and firm. Do not overreach when operating this tool. |

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| | WARNING |
| | Operate at 40 psig (2.8 bar/276 kPa) Maximum air pressure. |

PLACING TOOL IN SERVICE

LUBRICATION



- Motor
N-C Carver Lube Oil
- Clipper Head
N-C Carver Spray Lube

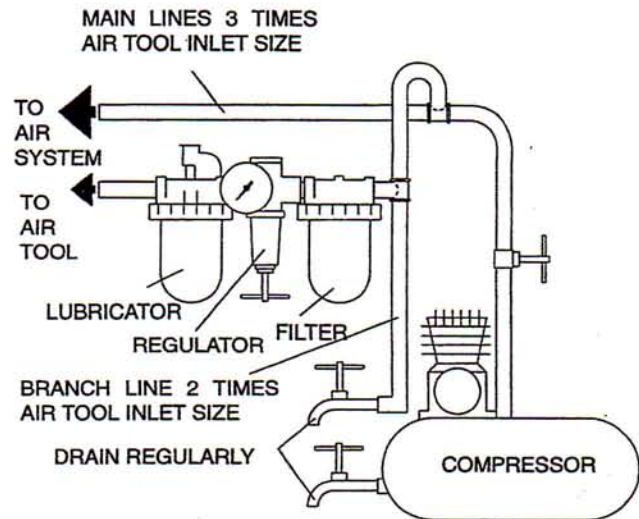
Always use an air line lubricator with these tools. We recommend the following Filter-Lubricator-Regulator Unit:
N-C Mini-Kit Lubricator with pneumatic water liquidator.

NOTICE

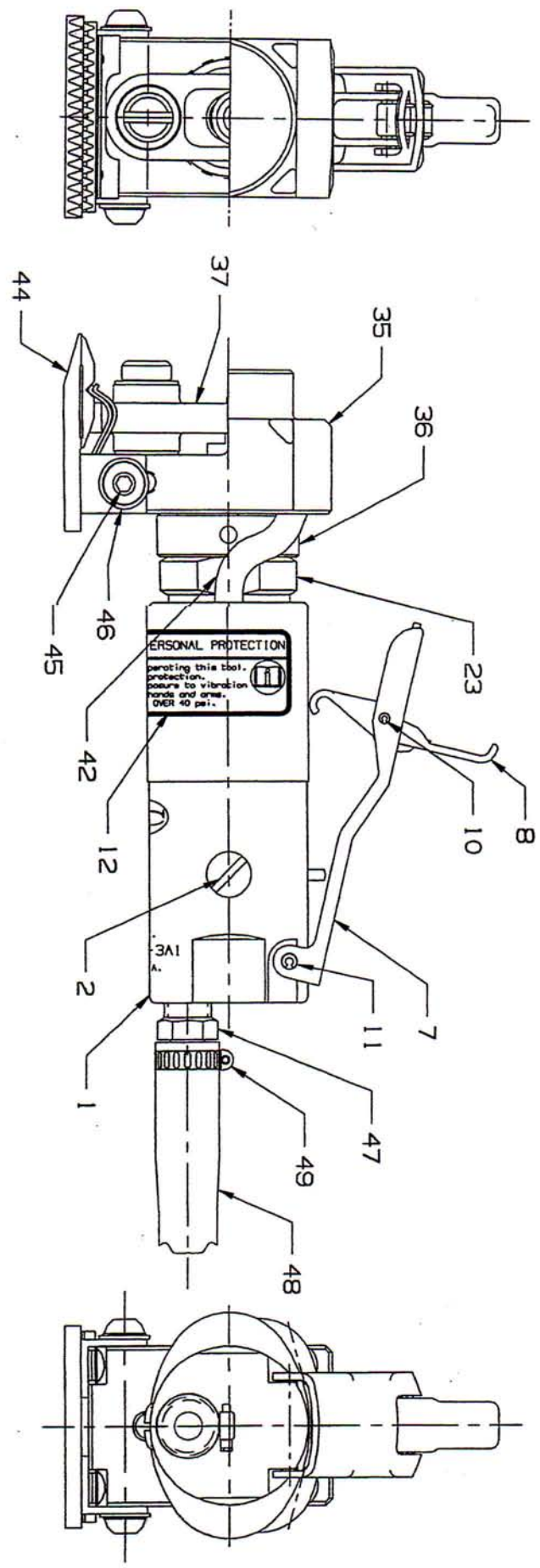
The Model PDC-3A1 Rug Carver must have a water trap, air regulator and in-line lubricator in the air supply system with the in-line lubricator nearest the tool and the water trap nearest the compressor.

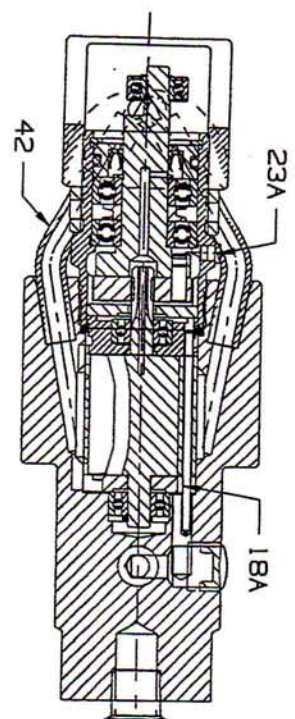
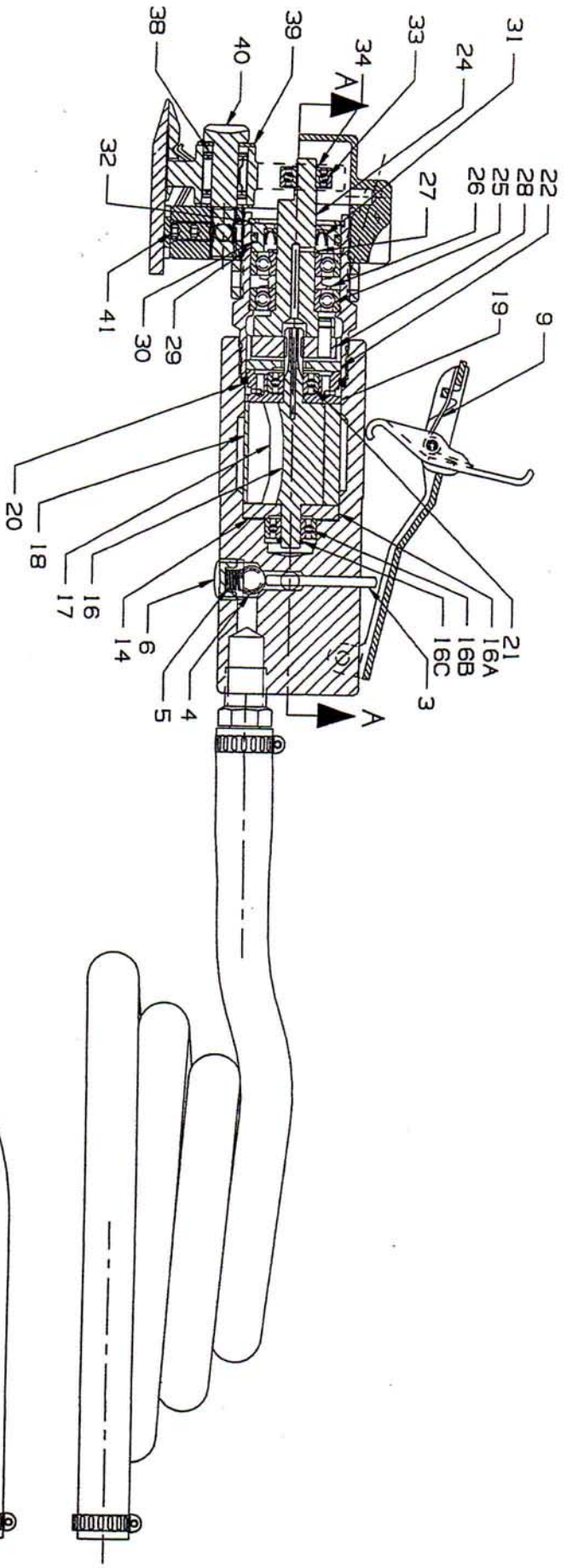
A 2 hp (1.49 KW) compressor set at a maximum ⁶⁰ 40 psig (2.8 bar/276 kPa) will operate one Model PDC-3A1 Rug Carver. The distance of the tool from the compressor will influence the air pressure setting required to operate the tool efficiently. Under normal conditions, a setting of 35 to ⁶⁰ 40 psig (2.41 to 2.76 bar/241 to 276 kPa) will provide satisfactory operation.

A 5 hp (3.73 KW) compressor with an air regulator for each tool will operate two Model PDC-3A1 Rug Carvers.



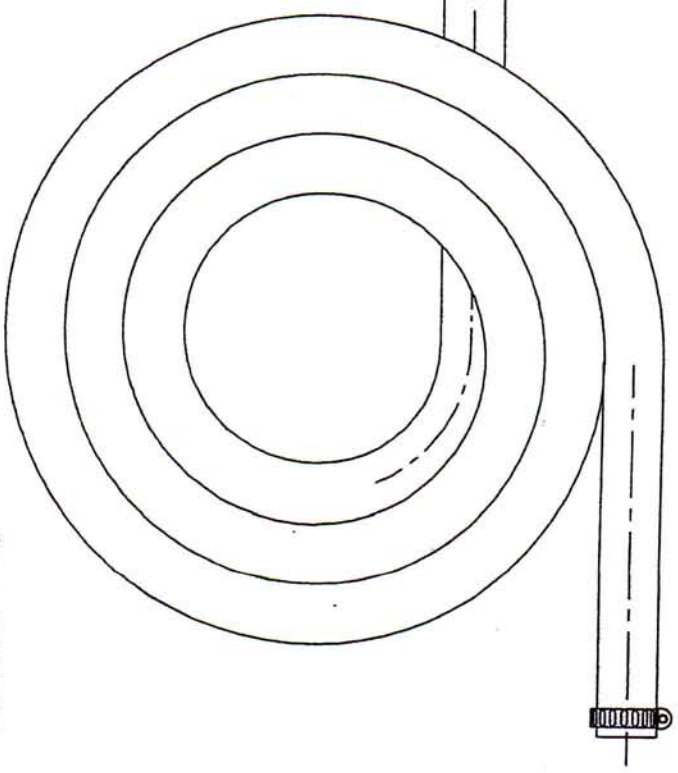
(Dwg. TPD905-1)





SEC. A - A

INCCO00M6231
 NC CARPET CUTTER



(Dwg. TPA1565)

PART NUMBER FOR ORDERING

PART NUMBER FOR ORDERING

| | | | | | | |
|-----|------------------------------|--------------|----|----|--|--------------|
| 1 | Motor Housing Assembly | 3NC6231-A40 | • | 28 | Spindle Drive Plate | M002-171 |
| 2 | Motor Housing | 3NC2231-40 | | | Seal Block Assembly | 3BE512-A751 |
| 3 | Crossport Plug | 3RL-266 | | 29 | Seal Block | 3BE512-751 |
| 4 | Throttle Valve Stem | 3NC5564-302 | | 30 | Block Seal | AFH120A-358 |
| 5 | Throttle Valve Ball | 4U-722 | ♦♦ | 31 | Spindle Seal | M002-271 |
| 6 | Throttle Valve Spring | 3RL-51 | ♦♦ | 32 | Seal Block Retainer | 3RL-28 |
| 7 | Throttle Valve Cap | 3RL-266 | ♦♦ | 33 | Spindle Eccentric Bearing | 3NC5564-510A |
| 8 | Throttle Lever Assembly | 3NC5564-A400 | | 34 | Eccentric Bearing Retainer | 8SL-305 |
| 9 | Throttle Lever Lock | DG120-402 | | 35 | Blade Mounting Block | 3NC6231-580 |
| 10 | Lever Lock Spring | DG120-405 | | 36 | Mounting Block Jam Nut | 38E5564-118 |
| 11 | Lever Lock Pin | R100B-120 | | 37 | Yoke Assembly | 3NC5564-A581 |
| 12 | Throttle Lever Pin | 7L-120 | | 38 | Yoke | 3NC5564-581 |
| 13 | Warning Label | 3NC6231-99 | • | 39 | Pivot Bearing | 3NC5564-500 |
| 14 | Rear End Plate Gasket | 3RL-739 | • | 40 | Yoke Spacer (2) | TT78A-292 |
| 15 | Rotor Assembly | 3BE512-A53 | • | 41 | Pivot Stud | 3NC5564-582A |
| 16 | Rotor | 3BE512-53 | | 42 | Pivot Stud Locking Screw (4) | 3NC6231-561 |
| 16A | Rear End Plate | 3BE512-12 | * | 43 | Pivot Stud Locking Screw Wrench | 3NC5564-562 |
| 16B | Rear Rotor Bearing | DG10-22 | | 44 | Exhaust Air Pipe (2) | 3NC6231-156 |
| 16C | Bearing Retainer | 8SL-305 | | 45 | Clipper Blade Assembly | C129C |
| 17 | Vane Packet (set of 5 Vanes) | 3RL-42-5 | | 46 | Clipper Blade Mounting Screw (2) | FEA100-112 |
| 18 | Cylinder | M002-N3 | | 47 | Mounting Screw Flat Washer (2) | MF-37 |
| 18A | Cylinder Dowel | 3RL-98 | | 48 | Nipple | 3NC5564-6 |
| 19 | Front End Plate | 3BE512-11 | | 49 | Inlet Hose | NCAH |
| 20 | Front End Plate Seal | AFH120A-358 | | | Hose Clamp (2) | NCAHC |
| 21 | Front Rotor Bearing | DG10-22 | | | Gear Case Wrench (27 mm open end) | 3NC5564-1 |
| 22 | Motor Clamp Washer | 3BE512-207 | * | | Clipper Blade Mounting Screw Wrench (5/32" hex) | 3NC5564-4 |
| 23 | Gear Case | 3BE512-37 | * | | Jam Nut Wrench (1/8" jaw spanner) | 3NC5564-5 |
| 23A | Gear Case Plug | 3NC6231-95 | * | | Tune-up Kit (includes illustrated items 14, 17, 31 and 33) | 3NC5564-TK1 |
| 24 | Spindle Assembly | 3NC5564-A8 | | | | |
| 25 | Spindle Bearing (2) | 3NC5564-8 | | | | |
| 26 | Spindle Bearing Spacer | R00H-97 | | | | |
| 27 | Spindle Bearing Retainer | 3BE512-111 | | | | |
| | | 120A4-588 | | | | |

- * Not illustrated.
- To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every five tools in service.
- ♦♦ Indicates Tune-up Kit part.

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| | | | | | | |
|------|-----------------------------|--------------|---|----|---------------------------------|--------------|
| | Motor Housing Assembly | 3NC5564 A40 | | 32 | Seal Block Retainer | 3RL 28 |
| 1 | Motor Housing | 3NC5564 40 | • | 33 | Spindle Eccentric Bearing | 3NC5564 510A |
| 2 | Crossport Plug | 3RL 266 | | 34 | Eccentric Bearing Retainer | 8SL 305 |
| 3 | Throttle Valve Stem | 3NC5564 302 | | 35 | Blade Mounting Block | 3NC5564 580A |
| 4 | Throttle Valve Ball | 4U 722 | | 36 | Mounting Block Jam Nut | 3NC5564 118 |
| 5 | Throttle Valve Spring | 3RL 51 | | | Yoke Assembly | 3NC5564 A581 |
| 6 | Throttle Valve Cap | 3RL 266 | | 37 | Yoke | 3NC5564 581 |
| 7 | Throttle Lever Assembly .. | 3NC5564 A400 | • | 38 | Pivot Bearing | 3NC5564 500 |
| 8 | Throttle Lever Lock ... | DG120 402 | | 39 | Yoke Spacer (2) | TT78A 292 |
| 9 | Lever Lock Spring | DG120 405 | • | 40 | Pivot Stud | 3NC5564 582 |
| 10 | Lever Lock Pin | R100B 120 | | 41 | Pivot Stud Locking Screw (4) . | 4UA9 561 |
| 11 | Throttle Lever Pin | 7L 120 | * | | Pivot Stud Locking Screw | |
| • 14 | Rear End Plate Gasket | 3RL 739 | | | Wrench | 3NC5564 562 |
| • 16 | Rotor Assembly | 3BE5512 A53 | | 42 | Auxiliary Air Hose | 3NC5564 156A |
| • 17 | Vane (5) | 3RL 42 | | 43 | Vent Hole Plug | 3NC5564 561 |
| • 18 | Cylinder | M002 N3 | | 44 | Clipper Head Assembly | 3NC5564 583 |
| * | Cylinder Dowel | 3RL 98 | | 45 | Clipper Head Mounting | |
| • 19 | Front End Plate | 3BE5512 11 | | | Screw (2) | FEA100 112 |
| • 20 | Front End Plate Seal | AFH120A 358 | | 46 | Mounting Screw Flat | |
| 21 | Front Rotor Bearing | DG10 22 | | | Washer (2) | MF 37 |
| 22 | Motor Clamp Washer | 3BE5512 207 | * | | Mounting Screw Lock | |
| 23 | Gear Case | 3BE5512 37 | | | Washer (2) | 510 67 |
| | Spindle Assembly | 3NC5564 A8 | * | | Gear Case Wrench | |
| 24 | Spindle | 3NC5564 8 | | | (27 mm open end) | 3NC5564 1 |
| • 25 | Spindle Bearing (2) | R00H 97 | * | | Clipper Head Mounting | |
| 26 | Spindle Bearing Spacer ... | 3BE5512 111 | | | Screw Wrench (5/32" hex) | 3NC5564 4 |
| 27 | Spindle Bearing Retainer .. | 120A4 588 | * | | Jam Nut Wrench (1/8" | |
| • 28 | Spindle Drive Plate | M002 171 | | | jaw spanner) | 3NC5564 5 |
| | Seal Block Assembly | 3BE5512 A751 | * | | Inlet Hose | 3NC5564 130 |
| 29 | Seal Block | 3BE5512 751 | * | | Warning Label | 3NC5564 245 |
| 30 | Block Seal | AFH120A 358 | * | | Tune-Up Kit (includes illus. | |
| • 31 | Spindle Seal | M002 271 | | | parts 14, 17, 31 and 33). | 3NC5564 TK1 |

* Not illustrated.

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