



MODEL PDC-4A MODEL PDC-3A AIR-POWERED RUG CARVER

Always operate, inspect and maintain this tool in accordance with American National Standards Institute Safety Code for Portable Air Tools (ANSI B186.1) and any other applicable safety codes and regulations.

FOR TOP PERFORMANCE AND MAXIMUM DURABILITY OF PARTS, OPERATE THIS TOOL AT 40 psig (2.8 bar/276 kPa) MAXIMUM WITH 1/4" (6 mm) HOSE.

▲WARNING

Air-powered tools can vibrate in use. Repetitive motions, uncomfortable positions, vibrations can cause injury to hands, fingers, wrists of some persons. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.

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. Failure to do so could result in injury.

LUBRICATION

Motor

Use N-C Carver Lube Oil. We recommend the use of an in-line lubricator located as close to the tool as practical. Adjust the lubricator to release two to three drops of oil per minute into the line. For proper lubrication and water removal, use N-C Mini-Kit Lubricator with pneumatic water liquidator.

Clipper Head

Use N-C Carver Spray Lube on the clipper blades occasionally.

MAINTENANCE

The Model PDC-3A has an air supply (42) to cool the cutter blades. This supply line should not project into the Mounting Block (35) far enough to obstruct movement of the Yoke (37).

Periodically check to insure that the Pivot Stud (40) has no side movement. If loose, remove the Clipper Head Assembly (44). There are four flats on the Pivot Stud. Two of the flats, located 90 degrees apart, are for the Pivot Stud Locking Screws (41) to clamp against while the other two flats provide adjustment for placement of the Pivot Stud. Remove one Locking Screw from each 90 degree position. Loosen the remaining two Screws approximately two full turns. Tighten the Pivot Stud until there is a slight drag on the Yoke (37) and then back the Stud off a little more than 90 degrees. Use finger pressure to rock the Pivot Stud clockwise and counterclockwise while alternately snugging up the two Lock Screws. When the flats on the Stud are square with the Screws, tighten each Screw between 50 and 55 in-lb (5.65 and 6.21 Nm) torque. Thread one of the remaining two Screws behind each of the installed Screws and tighten them between 50 and 55 in-lb (5.65 and 6.21 Nm) torque.

If the clipper blades dull, return to N-C Carpet for sharpening.

If the rug carver is not used for an extended period of time, it should be stored in a cool, dry location.

IMPORTANT

The Model PDC-3A 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 40 psig (2.8 bar/276 kPa)** will operate one Model PDC-3A 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 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-3A Rug Carvers.

N-C Carpet Binding and Equipment Co.

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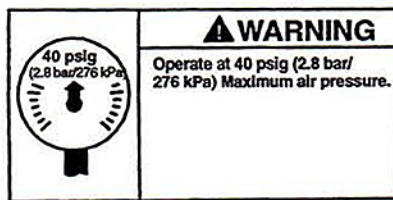
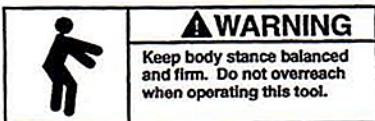
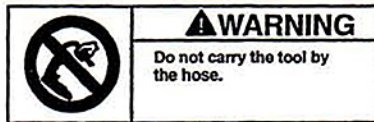
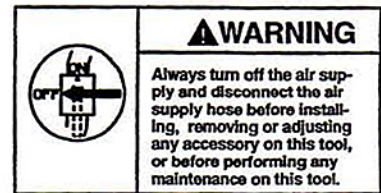
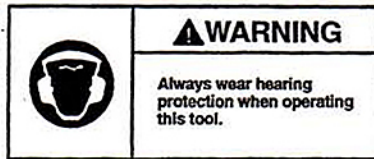
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Printed in U.S.A.

WARNING LABEL IDENTIFICATION

⚠ WARNING

FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.



PLACING TOOL IN SERVICE

LUBRICATION



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

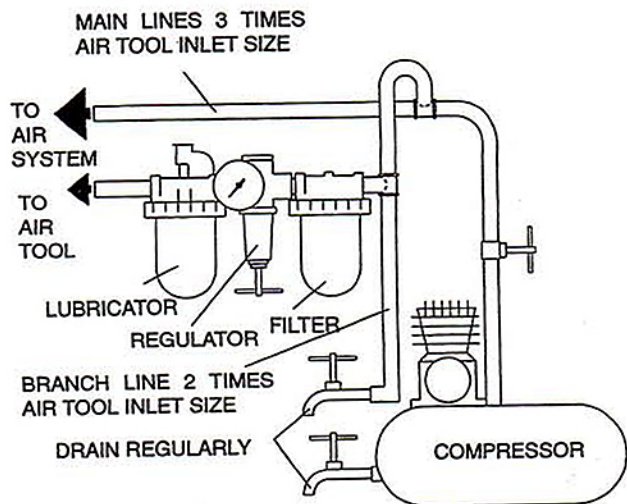
Always use an air line lubricator with these tools.
We recommend the following Filter-Lubricator-Regulator Unit:
N-C Mini-Kit Lubrictor with pneumatic water liquidator.

NOTICE

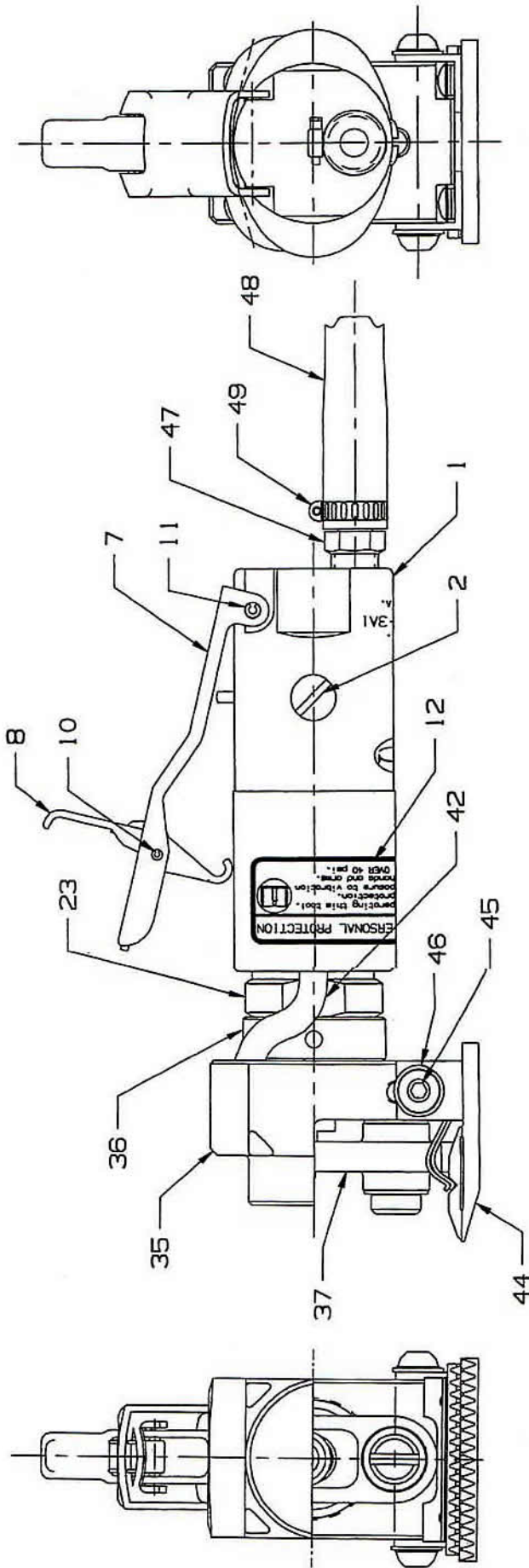
The Model PDC-3A1 Rug Carver must have a water trap, air regulator and in-line lubricator in the air supply system with the in-line lubricator nearest the tool and the water trap nearest the compressor.

A 2 hp (1.49 KW) compressor set at a **maximum 60 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 psig (2.41 to 2.76 bar/241 to 276 kPa) will provide satisfactory operation.

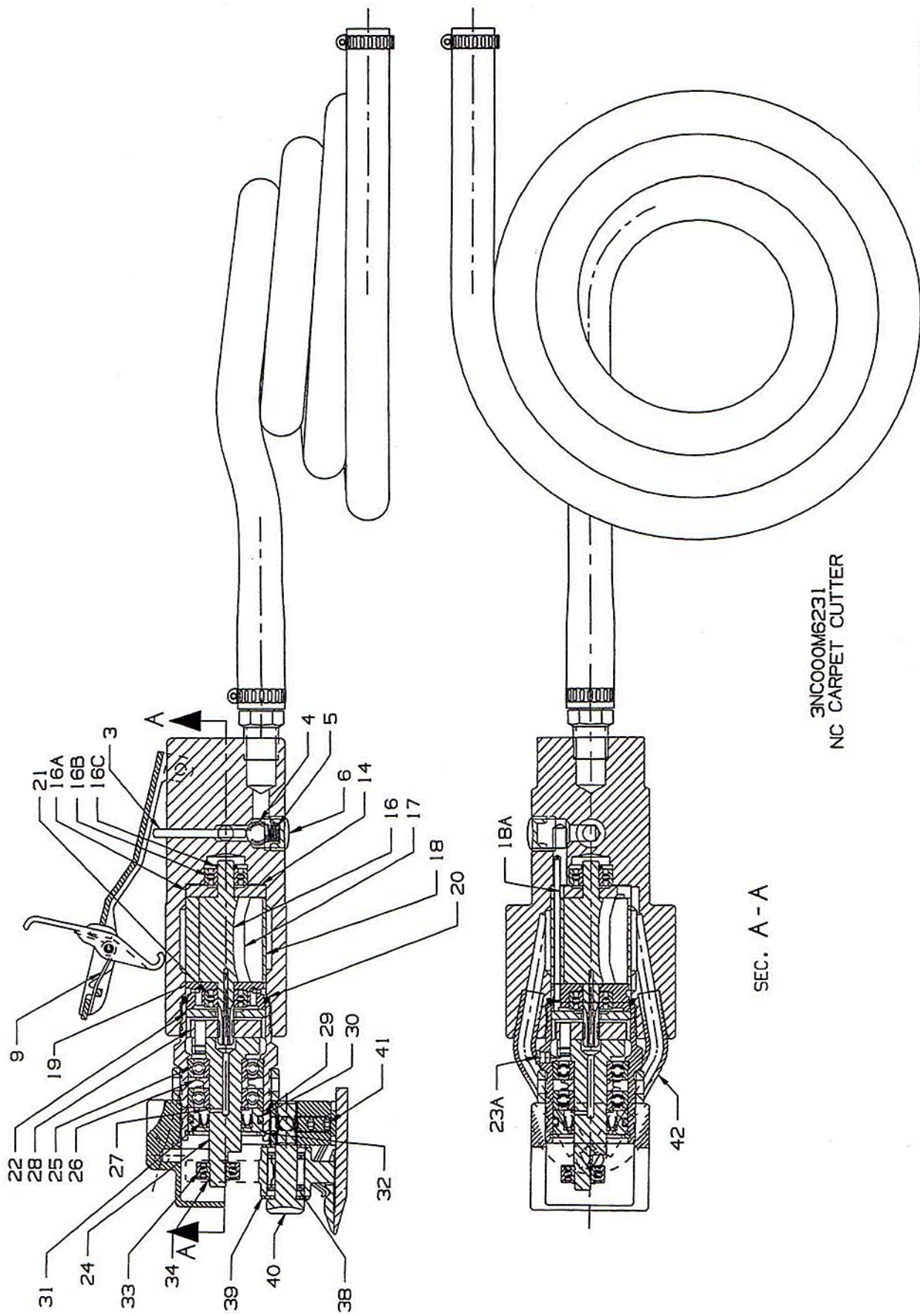
A 5 hp (3.73 KW) compressor with an air regulator for each tool will operate two Model PDC-3A1 Rug Carvers.



(Dwg. TPD905-1)



(Dwg. TPA1564)



3NC000M6231
NC CARPET CUTTER

SEC. A - A

(Dwg. TPA1565)

PART NUMBER FOR ORDERING

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1	Motor Housing Assembly	3NC6231-A40	•	28	Spindle Drive Plate	M002-171
2	Motor Housing	3NC2231-40			Seal Block Assembly	3BE5512-A751
3	Crossport Plug	3RL-266		29	Seal Block	3BE5512-751
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	3BE5564-118
11	Lever Lock Pin	R100B-120			Yoke Assembly	3NC5564-A581
12	Throttle Lever Pin	7L-120		37	Yoke	3NC5564-581
14	Warning Label	3NC6231-99	•	38	Pivot Bearing	3NC5564-500
16	Rear End Plate	3RL-739		39	Yoke Spacer (2)	TT78A-292
16A	Rear Rotor Bearing	3BE5512-A53		40	Pivot Stud	3NC5564-582A
16B	Bearing Retainer	3BE5512-53	•	41	Pivot Stud Locking Screw (4)	3NC6231-561
16C	Vane Packet (set of 5 Vanes)	3BE5512-12		*	Pivot Stud Locking Screw Wrench	3NC5564-562
17	Cylinder	DG10-22		42	Exhaust Air Pipe (2)	3NC6231-156
18	Cylinder Dowel	8SL-305		44	Clipper Blade Assembly	C129C
19	Front End Plate	3RL-42-5		45	Clipper Blade Mounting Screw (2)	FEA100-112
20	Front End Plate Seal	M002-N3		46	Mounting Screw Flat Washer (2)	MF-37
21	Front Rotor Bearing	3RL-98		47	Nipple	3NC5564-6
22	Motor Clamp Washer	3BE5512-11		48	Inlet Hose	NCAH
23	Gear Case	AFH120A-358		49	Hose Clamp (2)	NCAHC
23A	Gear Case Plug	DG10-22		*	Gear Case Wrench (27 mm open end)	3NC5564-1
24	Spindle Assembly	3BE5512-207		*	Clipper Blade Mounting Screw Wrench (5/32" hex)	3NC5564-4
25	Spindle Bearing (2)	3BE5512-37		*	Jam Nut Wrench (1/8" jaw spanner)	3NC5564-5
26	Spindle Bearing Spacer	3NC6231-95			Tune-up Kit (includes illustrated items 14, 17, 31 and 33)	3NC5564-TK1
27	Spindle Bearing Retainer	3NC5564-A8				
		3NC5564-8				
		R00H-97				
		3BE5512-111				
		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.

PART NUMBER FOR ORDERING

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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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