



PNEUMATIC CLIP RING TOOL



OPERATING INSTRUCTIONS & PARTS LIST

For best operating results and long life, maintain the tool in good working order, do not drop the tool, keep the mechanism free from dirt and other foreign matter and do not operate the tool at air pressures above 100 PSI (7.03 kg/cm²). Although your clip ring tool is of high quality and made to exacting standards, failure to follow proper operational precautions may result in damage to your tool and shorten its useful life.

OPERATION

The air powered clip ring tool should be held firmly in the hand and in most operations the tool is used 90 degrees to the work performed. It should be kept in initial that in using the air powered clip ring tool, this is like any other tool and should be properly maintained. One area of maintenance to be conscious of is when pushing the tool into foam, it should be cleaned occasionally. Also, when "grabbing" a group of wires, the tool is frequently used as a puller and/or a variety of other things. The most important point to remember is to take a long, hard look at your work and choose the best way in which to do it. Obviously, the less the tool is abused, the better. The tool should be handled firmly in your hand and don't stretch too far when you use it in the direction of your application. Please also note that the tool should make a complete closure of the fastener. If for any reason you are not getting complete closure, check to make sure that the application is correct and that the tool is cycling completely. Obviously, moisture, dirt, or any other foreign matter that is inside the tool will reduce its operational efficiency. Please take care in handling, operation and maintenance of your tool for a long and useful work life.

AIR PRESSURE

Air pressure should be maintained at 85-96 PSI (5.98-6.68 kg/cm²) using 1/4" (6.35mm) ID air hose. Higher pressures will not increase the operating speed of the tool and may cause damage to it.

AIR FILTER AND REGULATOR

The air line should have an attached air line filter and regulator sufficient to provide a constant and even flow of clean, dry air. The filter should be installed as close as possible to the tool. Dirt or moisture in the air line will adversely affect the smooth operation of the tool and decrease its serviceable life.

LUBRICATION

To insure long, trouble-free service, we recommend Air Line Lubricators and Filter Units for proper lubrication and clean, dry air. A good grade of oil that emulsifies in water is recommended for air tools.

MANUAL OILING

Although the jaws and other moving parts of the tool do need to be oiled, periodic oiling in small amounts may increase the serviceable life of the tool that receives heavy use.

C-RINGS

PLEASE SEE C-RING, STYLES CHART for further details regarding materials, points and size of C-RING.

REPAIR AND SERVICE PARTS

If any tool is not operating properly, remove it from service at once and have it checked for proper operation. We will ship replacement parts for repairs. Parts price lists are available upon request. Use only parts that are specifically fabricated for the AC model tool which you own.

TO DISASSEMBLE

Jaws, Magazine, Feeder Guide Rail
Remove Flexlock Nuts (#21) and Jaw Bolts (#74). Take out Jaws (#40 and #50). Remove Magazine Assembly (#73) and Feeder Guide Rail (#207).

Feeder Blade, Rollers and Piston Rod
Remove Cap Screws (#418 & #39 x 4 pcs) and Frame Assy. (#203) from Cylinder Housing. After taking off Piston (#30) and Piston Stop Spacer (#32), Piston Rod Assembly with Feeder Blade (#47) and Rollers (#46 x 4 pcs) can be taken out the front end of the Frame.

THROTTLE

Loosen Set Screws (#28) and remove Adjustable Valve Seals (#5 & #16). Using two Allen wrenches, unscrew Throttle Valve Screw (#9) to remove Valve units. One Valve will stay on Spacer (#14) and can be disassembled after removal from Housing.

TO ASSEMBLE

Assemble one Valve on Spacer (#14). Holding Allen wrench, bring second Valve mounted on Screw (#9) in from other side and complete Valve Assembly (should then have free motion of about 1/16").

THROTTLE VALVE ADJUSTMENT

With Throttle Spring Locknut (#7 & #8) in place, partially screw in Adjustable Valve Seal (#5). With air partly turned on and holding front Valve closed with a 3/8" dia. turn Valve Seal in until air stops leaking through Valve. Using Throttle Stem (#17) to turn, install front Valve Seal (#16), turning until air stops exhausting through Handle. After finer adjustment, lock Valve Seals in place with Set Screws (#28) in Housing casing.

TO LOCATE AND CORRECT AIR LEAKS

If an Adjustable Valve Seal is turned too far, the opposite Valve will be raised from its Bushing Seal, causing air leakage. To correct leak off Adjustable Valve Seal until leak stops. If leaks do not stop, check Piston (#30) and Piston O-Ring (#29).

FEEDER BLADE, ROLLERS, PISTON ROD

On to Piston Rod (#48) mount Feeder blade (#47). Roller Pins (#49 x 2pcs) and rollers (#46 x 4 pcs) put in Frame. Mount Piston Stop Spacer (#32), Piston (#30) and Flexlock Stop Nut (#21). Insert Throttle Stem (#17) and then assemble Frame to Housing.

FEEDER GUIDE RAIL

With Feeder Arm (#31) in place, assemble Feeder Guide Rail (#207). Pusher spring (#70), slide into Bracket and insert lower Cap Screw (#64) tight. Continue turning to desired Pusher Spring tension and lock with Nut (#67).

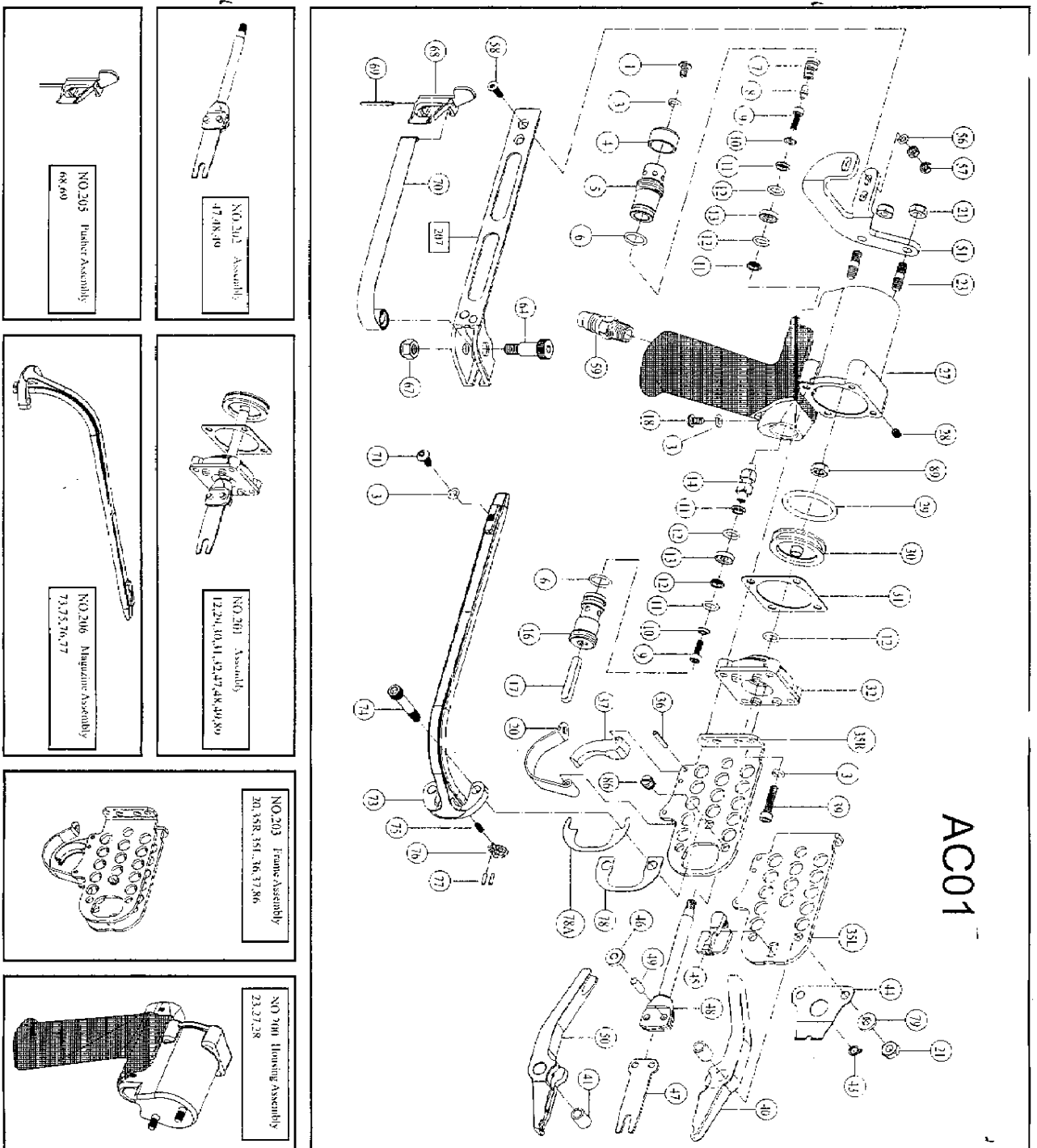
MAGAZINE

Assembly L arch (#45) and L arch Pin (Pin (#41)) Insert Jaw Bushings (#41 x 2 pcs) into Jaws (#40 & #50), slide jaws into place and complete assembly.

ADJUSTMENT OF MAGAZINE

Before tightening Cap Screws (#74), insert enough Shimms (#78) between Magazine (#73) and Side Plate (#35R) to produce a clearance between Magazine Shoe (#76) and Feeder Blade (#77). Magazine must be held tight against Side Plate while checking this clearance; then, after tightening the Cap Screws (#74 x 2 pcs), clearance should be rechecked.

DO NOT POINT THE TOOL AT ANY PERSON. KEEP HANDS AND CLOTHING AWAY FROM THE FRONT OF JAWS OF THE TOOL. AND AWAY FROM ALL MOVING PARTS. INJURY MAY RESULT. FAILURE TO FOLLOW THESE PRECAUTIONS MAY RESULT IN SERIOUS INJURY.



AC01

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Sat. Screw	AC01001	1
2	Shankrod Lock Washer	AC01003	7
3	Air Deflector	AC01004	1
4	Ret. Valve Seal	AC01005	1
5	O-Ring	AC01006	2
6	Throttle Spring	AC01007	1
7	Throttle Spring Locknut	AC01008	1
8	Throttle Valve Screw	AC01009	2
9	Valve Snow Washer	AC01010	1
10	O-Ring Support	AC01011	4
11	O-Ring	AC01012	2
12	O-Ring	AC01013	2
13	O-Ring	AC01014	1
14	Throttle Valve Spacer	AC01016	1
16	Throttle Valve Seal	AC01017	1
17	Throttle Stem	AC01018	1
18	Button Head Cap Screw	AC01020	1
19	Trigger Guard	AC01021	2
20	Flexible Nut	AC01022	1
21	Sprocket	AC01023	1
22	Shafting	AC01024	1
23	Sat. Screw	AC01025	2
24	O-Ring	AC01026	1
25	Piston	AC01027	1
26	Cylinder Gasket	AC01028	1
27	Piston Snap Spring	AC01029	1
28	Slide Plate (Right)	AC01030	1
29	Slide Plate (Left)	AC01031	1
30	Roll Pin	AC01032	3
31	Trigger	AC01033	1
32	Socket Head Cap Screw	AC01034	4
33	Upper Jaw	AC01035	1
34	Jaw Bushing	AC01036	2
35	Latch Pin Clip	AC01037	1
36	Latch	AC01038	1
37	Roller	AC01039	4
38	Breeder Blade	AC01040	1
39	Piston Rod	AC01041	1
40	Roller Pin	AC01042	1
41	Lower Jaw	AC01043	1
42	Feeder Arm	AC01044	1
43	Washer	AC01045	2
44	Nut	AC01046	4
45	Inlet Bushing	AC01047	1
46	Socket Head Cap Screw	AC01048	1
47	Pusher	AC01049	1
48	Expanded Rivet	AC01050	1
49	Pusher Spring	AC01051	1
50	Button Head Screw	AC01052	1
51	Magazine Body	AC01053	2
52	Jaw Roll	AC01054	1
53	Magazine Spring	AC01055	1
54	Magazine Shoe	AC01056	1
55	Roll Pin	AC01057	1
56	Magazine Shim	AC01058	1
57	Magazine Shim	AC01059	1
58	Washer	AC01060	1
59	Plate Screw	AC01061	1
60	Flexible Nut	AC01062	1
61	Feeder Guide Rail	AC01063	1
62	NO 202 Assembly	47, 48, 49	
63	NO 205 Pusher Assembly	68, 69	
64	NO 203 Frame Assembly	20, 35R, 35L, 36, 37, 86	
65	NO 206 Magazine Assembly	73, 75, 76, 77	
66	NO 200 Housing Assembly	23, 27, 28	
67	NO 201 Assembly	12, 24, 40, 41, 42, 47, 48, 49, 50	
68	NO 204 Assembly	71, 72, 73, 74, 75, 76, 77	
69	NO 207		