



SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
STRAIGHT FINISH NAILER			Mar. 2006
		WIRING INSTRUCTION	
CATALOG NO. 7145-21	STARTING SERIAL NUMBER	A89A	

EXAMPLE:

00	0
----	---

 Component Parts (Small #) Are Included
 When Ordering The Assembly (Large #).

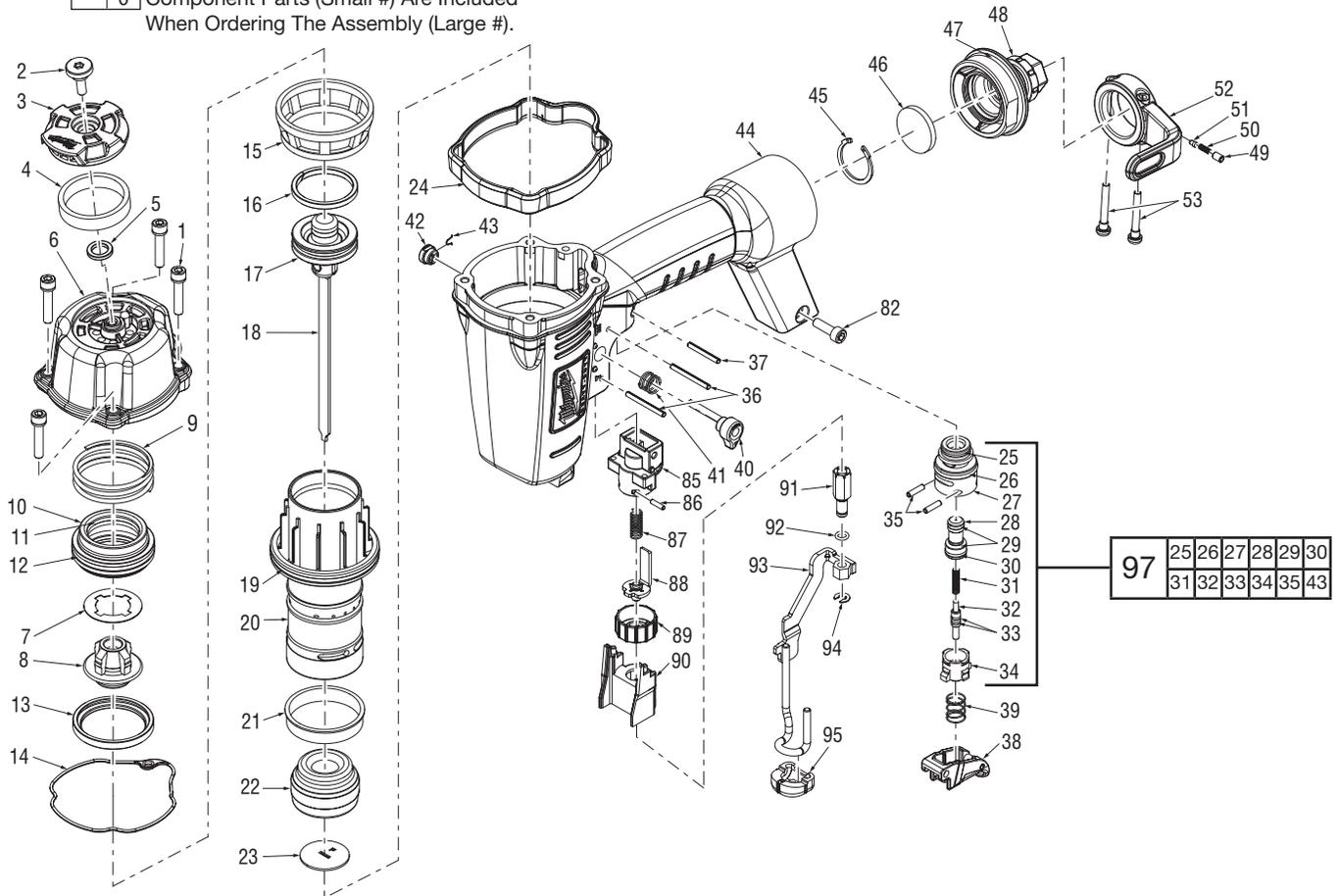


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-84-0845	Bolt Assembly	4	35	06-65-1465	Spring Pin	1
2	05-84-0805	Deflector Bolt	1	36	06-65-1440	Spring Pin	2
3	31-05-0400	Deflector	1	37	06-65-1480	Spring Pin	1
4	43-31-0355	Muffler	1	38	31-92-0200	Trigger Assembly	1
5	45-88-1720	Deflector Pad	1	39	40-50-3160	Spring	1
6	42-92-1420	Top Cap	1	40	44-10-0650	Selector	1
7	45-06-0925	Seal Gasket	1	41	40-50-3095	Selector Spring	1
8	45-06-0940	Seal	1	42	44-86-0710	Retainer	1
9	40-50-3110	Upper Valve Spring	1	43	44-90-0825	Ring	1
10	44-62-0250	Head Valve Piston	1	44	28-50-0800	Tool Body	1
11	34-40-3240	O-Ring	1	45	44-90-0785	Snap Ring	1
12	34-40-3175	O-Ring	1	46	43-31-0370	Filter	1
13	42-76-0800	Valve Collar	1	47	34-40-3250	O-Ring	1
14	45-06-0910	Top Cap Seal	1	48	42-92-1350	End Cap	1
15	44-90-0700	Cylinder Press Ring	1	49	05-84-0950	Socket Head Hex Screw	1
16	44-90-0820	Piston Ring	1	50	40-50-3180	Positioning Spring	1
17	34-40-3220	O-Ring	1	51	45-08-0460	Positioning Shaft	1
18	43-12-0250	Driver Assembly	1	52	42-70-0400	Spring Retainer (Belt Clip)	1
19	34-40-3270	O-Ring	1	53	05-83-0525	Round Head Phillips Bolt	2
20	42-98-0350	Cylinder	1	85	43-56-0865	Work Contact Element Guide	1
21	44-90-0800	Cylinder Spacer	1	86	06-65-1405	Spring Pin	1
22	42-38-0300	Bumper	1	87	40-50-3050	Work Contact Spring	1
23	43-56-0895	Driver Guide	1	88	42-36-2050	Work Contact Assembly B	1
24	42-38-0360	Bumper Band	1	89	43-98-0755	Adjustment Knob	1
25	34-40-3295	O-Ring	1	90	42-92-1495	Work Contact Element Cover	1
26	34-40-3300	O-Ring	1	91	44-94-0570	Adjustment Rod	1
27	42-52-0410	Plunger Cap	1	92	34-40-3310	O-Ring	1
28	44-70-0250	Trigger Valve Plunger	1	93	42-36-1995	Work Contact Element Bracket A	1
29	34-40-3285	O-Ring	2	94	44-90-0770	E-Ring	1
30	34-40-3280	O-Ring	1	95	42-38-0320	No-Mar Pad	1
31	40-50-3195	Spring	1				
32	44-70-0255	Plunger	1				
33	34-40-3290	O-Ring	2				
34	43-64-0150	Trigger Valve Head	1				

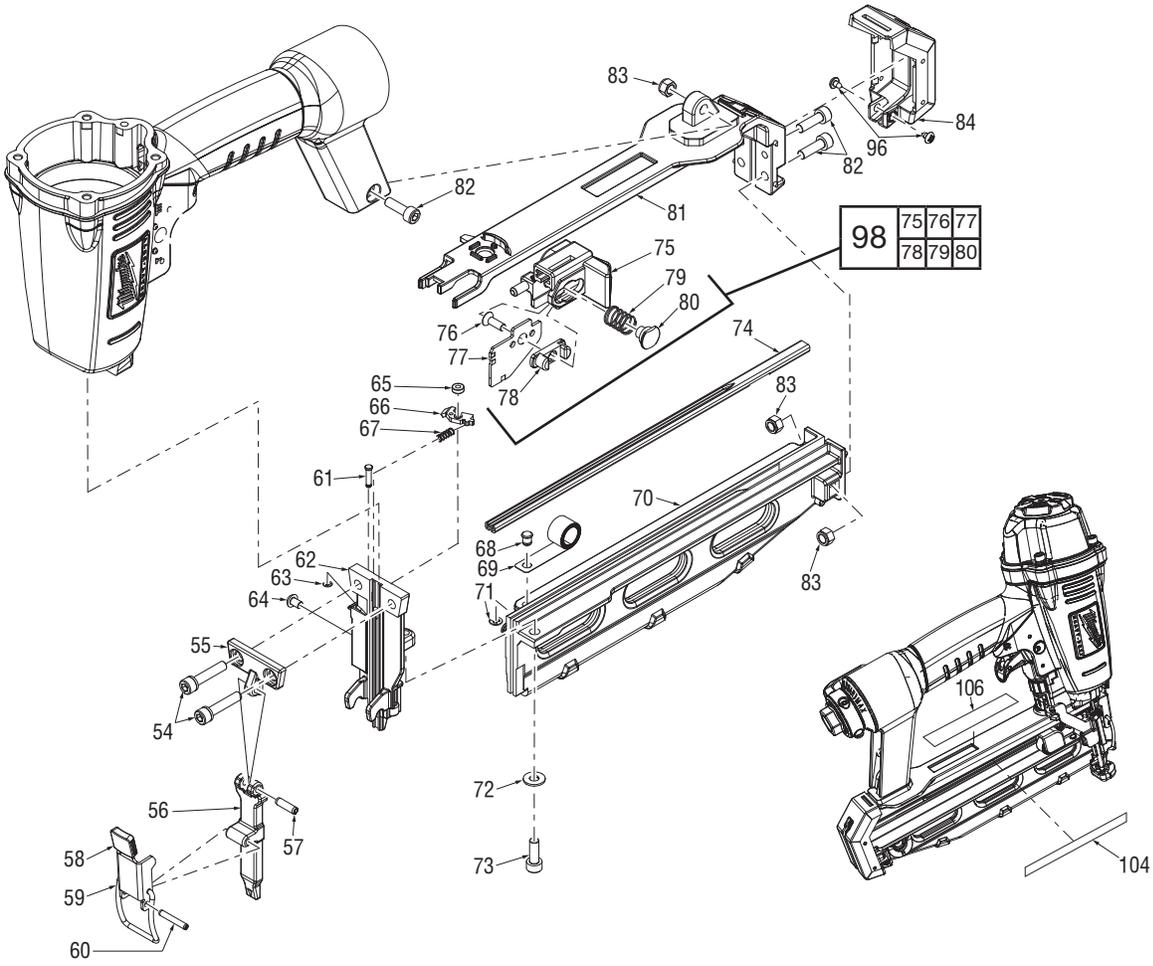


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
54	05-84-0995	Bolt Assembly	2
55	42-92-1395	Driver Guide Cover B	1
56	42-92-1380	Driver Guide Cover A	1
57	06-65-1455	Spring Pin	1
58	45-88-1705	Pusher Cushion	1
59	44-20-0850	Lock Handle Assembly	1
60	06-65-1450	Spring Pin	1
61	44-60-1855	Fixed Pin	1
62	43-56-0855	Driver Guide	1
63	44-90-0760	E-Ring	1
64	05-83-0515	Half Round Hex Bolt	1
65	44-86-0705	Retainer Ring	1
66	44-66-1305	Positional Plate	1
67	40-50-3030	Positioning Spring	1
68	31-10-0520	Bracket	1
69	40-50-3140	Spring	1
70	43-40-0455	Magazine A	1
71	44-90-0765	E-Ring	1
72	45-88-1740	Flat Washer	1
73	05-84-0900	Socket Head Hex Screw	1

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
74	44-81-0050	Steel Channel	1
75	42-92-1475	Protecting Hood Cover	1
76	05-84-0940	Flat Head Hex Bolt	1
77	43-72-0350	Pusher	1
78	42-28-0350	Anchor Block	1
79	40-50-3150	Spring	1
80	42-42-0600	Pusher Button	1
81	43-40-0485	Magazine B	1
82	05-84-0905	Socket Head Hex Screw	1
83	05-59-2025	Lock Nut	3
84	42-92-1445	Magazine End Cover	1
96	05-78-0810	Tap Bolt (M3 x5)	2
97	31-94-0110	Trigger Valve Assembly	1
98	45-24-0030	Magazine Pusher Assembly	1
104	12-98-0320	Service Nameplate	1
106	10-20-3310	Warning Label	1
	14-70-0180	Overhaul Kit (Not Shown)	
	14-70-0185	Driver Maintenance Kit (Not Shown)	

Disassembly:

- 2, 3, 4, 5, 6 Remove hex bolt (2), deflector (3), muffler (4) and deflector pad (5) from top cap (6). 4 mm hex key required.
- 1, 6 Remove hex bolts (1) to remove top cap (6). 4 mm hex key required.
- 7, 8, 9, 10, 11, 12, 13 Remove valve assembly (7, 8, 9, 10, 11, 12, and 13) out of the top cap using a 1/8 in. (3.18 mm) punch. Gently push punch through several different holes in the top of the cap to remove assembly evenly.
- 15, 20, 44 Remove press ring (15) from the top of cylinder (20) before removing cylinder assembly from tool body (44).
- 20, 44 Remove cylinder assembly (20) using two pair of needle-nose pliers. Gently grasp the ribs of the cylinder (on opposing sides) to pull the cylinder from tool body (44).
- 64, 69, 70, 73, 81, 82, 94 Remove magazine assembly (70 and 81) as an assembly, by removing screw(s) (73, 82, and 64).
Note: When removing magazine assembly (70 and 81) hold Pusher Assembly (98) stationary to restrict movement of spring (69).
- 37, 38, 39, 40, 41, 42, 43, 44, 97 Remove trigger valve assembly (97) from tool body (44) by placing a 3/32 in. (2.5mm) punch inside half-moon slot of retainer (42) and gently tapping shaft of selector (40). Remove spring (41), retainer (42) and ring (43). Remove spring, (39) and trigger (38) from tool body and push pins (36 and 37) out of tool body (44) just far enough to remove valve assembly using service fixture 61-60-0005. Trigger valve assembly (97) can be gently pushed out of the tool body from the inside handle area of the tool body using a flat blade screwdriver.

Reassembly:

- 36, 37, 44, 97 Reinstall trigger valve assembly (97) into tool body (44) by aligning the grooves in the valve assembly with the two holes for spring pins (36 and 37). Drive spring pins into tool body until they are flush with the casting surface using service fixture number 61-60-0005.
- 38, 39, 40, 41, 42, 43, 44, 97 Reinstall selection lever assembly (40, 41, 42, 43,) and trigger assembly (38 and 39) by doing the following.
 - Place spring (41) onto shaft of selection lever (40).
 - Position spring (39) and trigger (38) over plunger of trigger valve assembly (97).
 - Insert selection lever assembly (40 and 41) into tool body (44) and align half-moon slot of retainer (42) with half-moon shaft of selection lever (40) and snap retainer assembly (42 and 43) onto the shaft.
- 18, 23, 44 Install flat side of driver guide (23) towards front of tool body (44).
Note: Center opening of driver guide (23) has a flat side and one with a slight offset to accommodate / help align blade of driver assembly (18) in the assembly
- 20, 21 Reinstall cylinder ring (21) onto cylinder (20) with flanged end facing the top of cylinder (20) when installed.
- 16, 17, 18, 19, 20, 21, 22, 23, 44 Assemble driver assembly (16, 17, and 18) and install it into cylinder assembly (19, 20, 21, and 22). Install assembled components into tool body (44). Note: Orientation of driver assembly (18) must match orientation of driver guide (23).
- 6, 15, 20 Reinstall press ring (15) onto top of cylinder (20) with wide edge facing toward top cap (6).
- 6, 24 Reinstall bumper band (24) into slot on top cap (6).
- 6, 7, 8, 9, 10, 11, 12, 13 Reinstall spring (9) into internal bore of top cap (6) and snap preassembled head valve assembly (7-13) into top cap.
- 1, 6, 44 Reinstall top cap assembly (6) onto tool body (44) using hex bolts (1).
Note: To properly seat top cap, tighten the screws at alternating corners a few turns at a time until all screws are secure.
- 44, 64, 70, 72, 73, 74, 81, 82 Reinstall magazine assembly (70 and 81) onto tool body (44) by securing screw/washer (72 and 73) and two screws (64 and 82).
Note: Make sure magazine channel (74) is aligned properly at the front and rear of the magazine assembly.
- 46, 48 Install smooth side of filter (46) toward end cap (48).
Apply Blue Loctite® 242 to fasteners (1), (2), (54) (64), (73) and (93), if removed during disassembly.

Lubrication:

Type I Grease 49-08-7100

Clean all parts with a dry clean cloth.

- | | |
|--|--|
| 6, 7, 8, 9, 10, 11, 12, 13 | Place a thin coating of grease into internal bore of top cap (6), coat parts (7 – 13) and reassemble in order shown. |
| 16, 17, 18 | Coat o-ring (17) and piston ring (16) prior to installing into groove of driver assembly (18). |
| 19, 20, 21 | Coat cylinder o-ring (19), and cylinder ring (21) prior to installing onto cylinder (20). |
| 25, 26 27, 28, 29, 30, 31,
32, 33, 34, 35 | Coat all parts of the trigger valve assembly (25-35) if being replaced individually. Components cleaned in any type of solvent or water solution will require new lubrication.
Note: A new trigger valve assembly will be pre-lubricated and will not require any additional lubrication. |