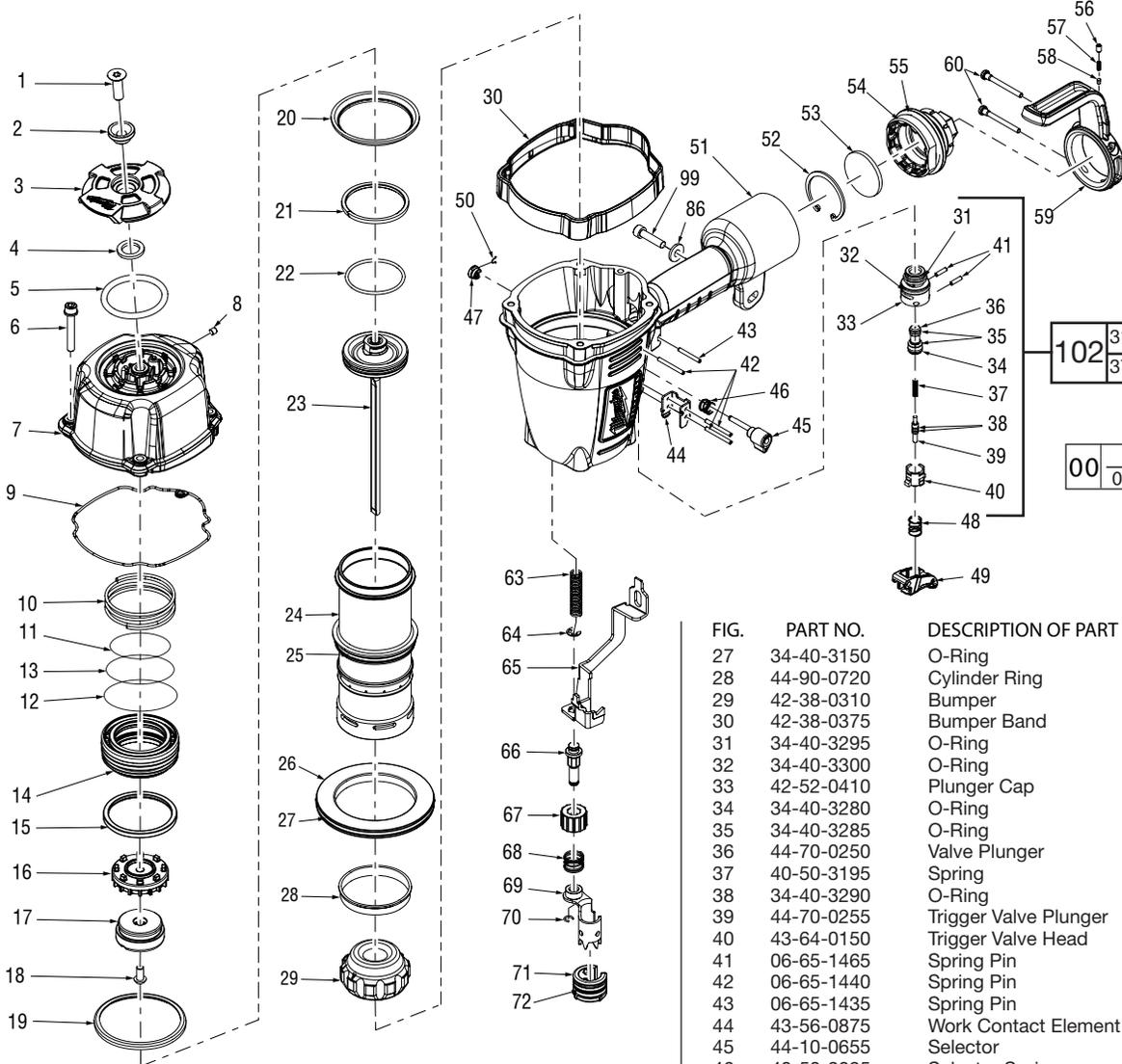




# SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
CLIPPED HEAD FRAMING NAILER			Feb. 2007
CATALOG NO. 7110-20	STARTING SERIAL NUMBER	A86A	
		WIRING INSTRUCTION	



102	31	32	33	34	35	36
	37	38	39	40	41	50

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

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-84-0945	Deflector Bolt	1
2	45-88-1725	Deflector Screw Pad	1
3	31-05-0410	Deflector	1
4	45-88-1715	Deflector Pad	1
5	43-31-0350	Muffler Assembly	1
6	05-84-0865	Bolt Assembly w/Washer	4
7	42-92-1430	Top Cap	1
8	05-84-0955	Set Screw, M5 x 0.8-5	1
9	45-06-0900	Top Cap Seal	1
10	40-50-3115	Upper Valve Spring	1
11	34-40-3255	O-Ring, 43.5 mm x 2.62 mm	1
12	34-40-3230	O-Ring, 60.2 mm x 3.1 mm	1
13	34-40-3260	O-Ring, 47.8 mm x 2.62 mm	1
14	44-62-0255	Head Valve Piston	1
15	42-76-0805	Valve Collar	1
16	31-94-0100	Valve	1
17	45-06-0930	Seal	1
18	05-83-0520	Hex Bolt, M6 x 1.0-12	4
19	44-90-0745	Steel Ring	1
20	44-90-0735	Press Ring	1
21	44-90-0810	Piston Ring	1
22	34-40-3135	O-Ring	1
23	43-12-0275	Driver Assembly	1
24	42-98-0360	Cylinder	1
25	34-40-3140	O-Ring	1
26	44-90-0795	Cylinder Spacer	1

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
27	34-40-3150	O-Ring	1
28	44-90-0720	Cylinder Ring	1
29	42-38-0310	Bumper	1
30	42-38-0375	Bumper Band	1
31	34-40-3295	O-Ring	1
32	34-40-3300	O-Ring	1
33	42-52-0410	Plunger Cap	1
34	34-40-3280	O-Ring	1
35	34-40-3285	O-Ring	2
36	44-70-0250	Valve Plunger	1
37	40-50-3195	Spring	1
38	34-40-3290	O-Ring	2
39	44-70-0255	Trigger Valve Plunger	1
40	43-64-0150	Trigger Valve Head	1
41	06-65-1465	Spring Pin	2
42	06-65-1440	Spring Pin	3
43	06-65-1435	Spring Pin	1
44	43-56-0875	Work Contact Element Guide	1
45	44-10-0655	Selector	1
46	40-50-3095	Selector Spring	1
47	44-86-0710	Retainer	1
★48	40-50-3160	Trigger Spring	1
49	31-92-0200	Trigger Assembly	1
50	44-90-0825	Ring	1
51	28-50-0810	Tool Body	1
52	44-90-0755	Retaining Ring	1
53	43-31-0375	Inlet Filter	1
54	42-92-1360	End Cap	1
55	34-40-3225	O-Ring	1
56	05-84-0950	Socket Hex Head Screw	1
57	40-50-3180	Spring	1
58	45-08-0460	Positioning Shaft	1
59	42-70-0405	Spring Retainer (Rafter Hook)	1
60	05-83-0535	Round Head Phillips Bolt	1
63	40-50-3070	Work Contact Spring	1
64	44-90-0775	E-Ring	1
65	42-36-2020	Work Contact Bracket B	1
66	44-94-0550	Adjust Rod Assembly	1
67	43-98-0750	Adjustment Knob	1
68	40-50-3175	Adjustment Spring	1
69	42-36-2000	Work Contact Bracket A	1
70	44-90-0705	Ring	1
71	42-38-0330	No-mar Pad	1
72	44-90-0715	Fixed Ring	1

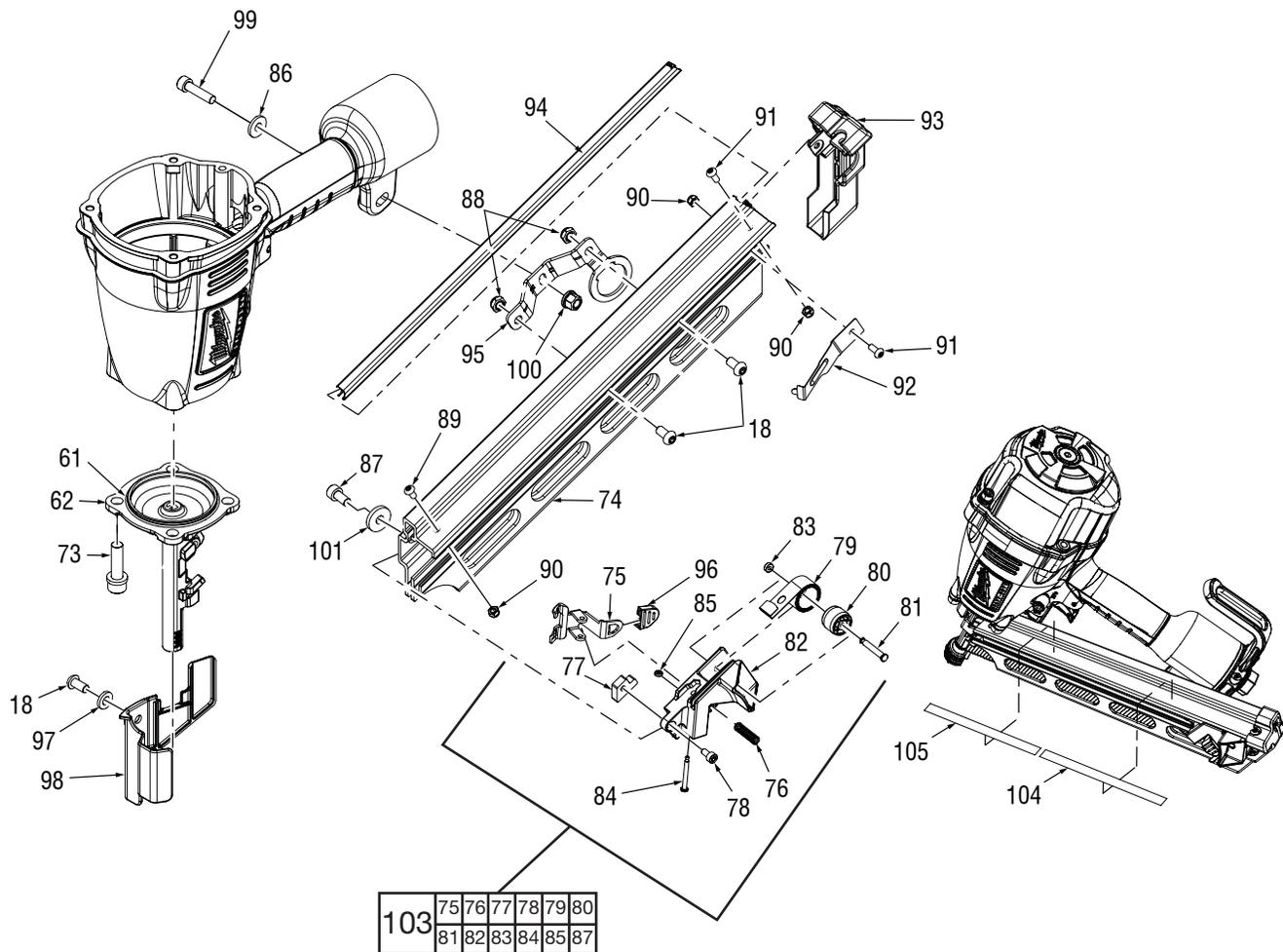


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
61	34-40-3145	O-Ring	1
62	30-61-0210	Nose Piece	1
73	05-84-0870	Bolt Assembly	4
74	43-40-0480	Magazine A	1
75	43-72-0365	Pusher	1
76	40-50-3135	Pusher Button Spring	1
77	42-28-0370	Square Stop Bracket	1
78	05-84-0885	Socket Hex Head Screw	1
79	40-50-3145	Spring	1
80	44-96-0200	Spring Roller	1
81	06-65-1400	Pin	1
82	42-92-1525	Protecting Hood Cover	1
83	44-86-0705	Retainer Ring	1
84	44-60-1920	Trigger Pivot Pin	1
85	44-86-0700	Urethane Retainer	1
86	45-88-1765	Flat Washer	1
87	05-84-0930	Socket Hex Head Screw	1
88	05-59-2030	Lock Nut	2
89	05-83-0500	Half Round Hd. Hex. Bolt	1

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
90	05-59-2020	Lock Nut	1
91	05-83-0510	Half Round Hd. Hex. Bolt	1
92	44-66-1320	Nail Stop Plate	1
93	42-92-1460	Magazine End Cover	1
94	44-81-0065	Magazine Channel	1
95	42-36-2040	Magazine Bracket	1
96	42-92-1530	Lever Cover	1
97	45-88-1750	Flat Washer	1
98	42-92-1505	Work Contact Element Cover	1
99	05-84-0935	Socket Hex Head Screw	1
100	05-59-2035	Nut	1
101	45-88-1785	Flat Washer	1
102	31-94-0110	Trigger Valve Assembly	1
103	45-24-0015	Magazine Pusher Assembly	1
104	12-98-0300	Service Nameplate	1
105	10-20-3320	Warning Label	1
	14-70-0135	Overhaul Kit (Not Shown)	1
	14-70-0155	Driver Maintenance Kit (Not Shown)	1

Disassembly:

- 7, 10, 11, 12, 13, 14, 15, 16, 17, 18 Remove valve assembly (10-17) from top cap (7) by removing hex bolt (18) in a counter clockwise direction.  
Note: Assembly is spring loaded. Hold assembly in place while removing hex bolt (18).
- 23, 24, 51, 19, 20 Remove driver assembly (23) and cylinder assembly (24) from tool body (51) by turning the tool body (51) upside down and tapping the outside rim of the tool casting against a piece of wood.  
Note: Remove press ring(s) (19 and 20) prior to removing cylinder assembly.
- 51, 74, 86, 87, 99, 100, 101 Remove magazine (74) from tool body (51) by removing bolts, washers (87, 101, 99, 86), and nut (100) using a 5 mm hex key and 10 mm wrench.
- 103, 74, 79, 89, 90 Remove magazine pusher assembly (103) and spring (79) from magazine (74) by pushing assembly back far enough to clear lock nut (90); secure nut using a 7 mm socket, and remove hex bolt (89) from pusher spring (79) using a 2.5 mm hex key.
- 42, 43, 45, 46, 47, 48, 49, 50, 51, 102 Remove trigger valve assembly (102) from tool body (51) by placing a 3/32 in. (2.5mm) punch inside half-moon slot of retainer (47) and gently tapping shaft of selector (45). Remove spring (46), retainer (47) and ring (50). Remove trigger (49) and spring (48) from tool body. Push pins (42, 43) out of tool body (51) just far enough to remove valve assembly.  
Note: Use service fixture #61-60-0005 to move spring pins (42, 43) or a 1/8" punch.
- 51-54 Remove end cap (54) from tool body (51) counterclockwise.

Reassembly:

Note: Apply a thin coat of grease to all o-rings, exterior of cylinder seals, and trigger valve assembly before replacement or reinstallation.

- 24, 25, 26, 27, 28, 29 Install o-ring (25) onto cylinder (24) and place remaining parts (26, 27, 28, and 29) onto cylinder (24).  
Note: Install cylinder ring (28) onto cylinder (24) with the ribbed edge up. Set aside
- 21, 22, 23, 51 Install o-ring (22) and piston ring (21) onto driver assembly (23) and place assembly inside cylinder (24). Install assembly into tool body (51)  
Note: Be sure driver shaft is inserted in the proper orientation.
- 19, 20, 24 Cupped side of steel press ring (19) to face cupped side of nylon press ring (20) in assembly.
- 7, 10, 11, 12, 13, 14, 15, 16, 17, 18 Reinstall valve assembly components (10-17) into internal bore of top cap (7) and secure assembly with hex bolt (18).  
Tighten screw clockwise.  
Note: Valve assembly is spring-loaded and must be held in place when reinstalling screw (18).
- 7, 30, 51 Align four raised bosses on bumper band (30) with slots on top cap (7) prior to assembling cap onto tool body (51).
- 42, 43, 51, 102 Reinstall trigger valve assembly (102) into tool body (51) by making sure the grooves in the valve assembly match up with the two holes for spring pins (42, and 43). Tap pins into tool body until they are flush with casting.
- 45, 47, 50 Reinstall retainer assembly (47 and 50) onto shaft of selector (45) by aligning half-moon cut-out on retainer with half-moon of selector shaft and snap it onto end of selector shaft (45).
- 1 When reinstall deflector-retaining screw (1), apply Blue Loctite® 242 to threads of screw.
- 103, 74, 79, 89, 90 Reinstall pusher assembly (103) into track of magazine (74). Make sure bend of spring (79) slides over top magazine connection point, and push assembly back just far enough to install bolt (89) through top of magazine track and hole in spring (79). Install nut (90) onto threads of bolt (89) and secure using a 2.5 mm hex key and 7 mm socket.
- 62, 74, 87, 101 Reinstall front of magazine assembly (74) to nosepiece (62) and install screw and washer (87, 101) using a 5 mm hex key.
- 51, 74, 86, 99, 100 Reinstall back of magazine (74) to tool body (51), and install screw (99), washer (86) and nut (100) using a 5 mm hex key and 10 mm wrench.

Lubrication:

Type I Grease 49-08-7100

Clean all parts with a dry clean cloth.

7, 10, 11, 12, 13, 14, 15, 16, 17 Place a thin coating of grease into internal bore of top cap (7), coat parts (10-17) and reassemble in order shown.

21, 22, 23 Coat o-ring (22) and piston ring (21) prior to installing into groove of driver assembly (23).

24, 25, 27, 28 Coat cylinder o-rings (25, 27) and cylinder ring (28) prior to installing onto cylinder (24).

31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41 Coat all parts of the trigger valve assembly 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.