PAGE 1 OF 2 BULLETIN NO. 54-24-0401

DATE

Jan. '99

SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

1-1/2" THUNDERBOLT™ ROTARY HAMMER

5311

SPECIFY CATALOG NO.

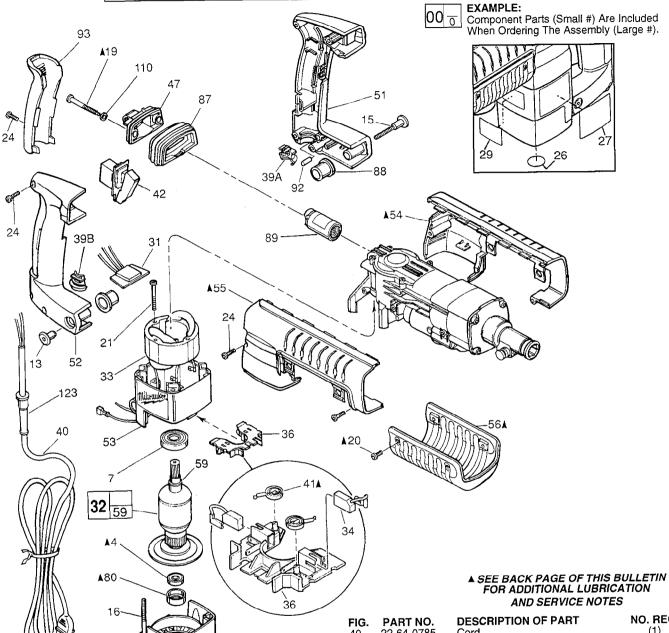
STARTING SERIAL NO

844B

wiring instruction 58-01-1555

REVISED BULLETIN

54-24-0400

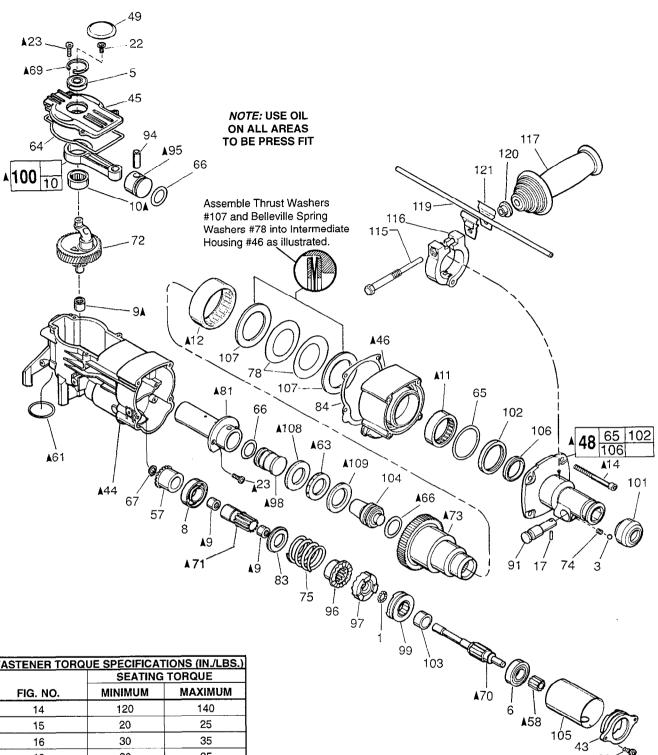


		_	
FIG.	PART NO.	DESCRIPTION OF PART NO.	REQ.
4	02-04-0847	Ball Bearing	(1)
★ 7	02-04-1518	Ball Bearing	(1)
13	05-59-0100	Pivot Nut	(1)
15	05-77-0100	Pivot Bolt	(1)
16	05-81-0920	M6 x 1.0 x 120 Pan Hd. Slt. Tapt. T-27	(4)
19	06-81-1805	Special Screw	(2)
20	06-82-7252	8-32 x 3/8" Pan Hd. Slt. Tapt. T-20	(4)
21	06-82-7425	8-16 x 2" Pan Hd. Slt. Plast. T-20	(2)
24	06-95-6290	M5 x 2.24 x 18 Pan Hd. Slt. PT T-20	(7)
26	10-75-2760	Milwaukee Label	(1)
27	10-98-5316	Product Label	(1)
29	12-20-3300	Service Nameplate Kit	(1)
31	14-20-0725	Remote Trigger Speed Control	(1)
32	16-50-1260	120 Volt Armature	(1)
33	18-50-0260	120 Volt Field	(1)
34	22-18-0870	120 V Carbon Brush (2) Kit	(1)
36	22-22-1480	Brush Carrier Assembly	(1)
	31-17-0260	Lower Cord Clamp	(1)
39B	31-17-0265	Upper Cord Clamp	(1)
230	o.		

A50

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
40	22-64-0785	Cord	(1)
41	23-52-1550	Brush Spring	(2)
42	23-66-1930	Speed Control Switch	(1)
47	28-90-0280	Upper Handle Mount	(1)
50	31-15-0430	Motor Cover	(1)
★ 51	31-44-1855	Left Handle Half	(1)
★ 52	31-44-1860	Right Handle Half	(1)
53	31-50-0530	Motor Housing	(1)
54	31-55-0200	Left Shroud	(1)
55	31-55-0210	Right Shroud	(1)
56	31-55-0225	Belly Shroud	(1)
59	34-60-3620	Retaining Ring	(1)
80	42-96-0130	Bearing Cup	(1)
87	43-87-0030	Isolation Bellows	(1)
88	43-87-0040	Pivot Isolator	(2)
89	43-87-0060	Isolation Module Assembly	(1)
92	14-46-1001	Foam Slug Kit (Bag of 10)	(1)
93	44-52 - 0580	Handle Cushion	(1)
110	45-88-8555	Rubber Washer	(2)
123	44-76-0210	Cord Protector	(1)

MILWAUKEE ELECTRIC TOOL CORPORATION 13135 W. LISBON RD., BROOKFIELD, WI 53005



FASTENER TORQUE SPECIFICATIONS (IN./LBS.)				
		SEATING TORQUE		
	FIG. NO.	MINIMUM	MAXIMUM	
14		120	140	
15		20	25	
16		30	35	
19		30	35	
20		25	30	
21		20	25	
22		25	30	
23	BARREL	30	35	
	BEARING RETAINER	20	25	
	CRANKCASE COVER	25	30	
24	HANDLE HALVES AND SHROUDS	20	25	
	CUSHION GRIP	6	10	
25		35	45	

22-18-0870 CARBON BRUSH SERVICE KIT

22-	10-00/0 CANDO	M BUCOLI SELLAIOE KIL
	THIC KE	T CONTAINS:
$\overline{}$	INIS KI	CONTAINS.
2		Carbon Brush

● 14-46-9070 1-1/2" HAMMER SERVICE KIT

14-40-90/0 1-1/2 HAMMEN CENTICE IN			
THIS KIT CONTAINS:			
1	31-12-0270	Cap-Cover	
1	34-40-4310	Rubber Damping Washer	
1	34-40-4320	Seal-Cover	
1	34-40-4330	O-Ring	
3	34-40-4350	O-Ring	
1	42-96-0130	Bearing Cup	
1	43-44-0970	Gasket	
1	45-06-0540	Dust Seal-Hex	
1	45-06-0550	Dust Seal-Round	
1	49-08-4230	6 Oz. Tube "N" Grease	

▲ SEE BACK PAGE OF THIS BULLETIN FOR ADDITIONAL LUBRICATION AND SERVICE NOTES

FIG.	PART NO.	DESCRIPTION OF PART NO	D. REQ.
1	02-02-0120	1/8" Steel Ball	(12)
3	02-02-0250	1/4" Steel Ball	(1)
5	02-04-0911	Ball Bearing	(1)
6	02-04-1510	Ball Bearing	(1)
8	02-04-2000	Ball Bearing	(1)
9	02-50-2470	Needle Bearing	(3)
10	02-50-4020	Needle Bearing	(1)
11 12	02-50-9000	Needle Bearing	(1)
14	02-50-9985 05-74-0670	Needle Bearing M6 x 1.0 x 70 Skt. Hd. Cap Screw T-27	(1)
17	06-65-0828	Groove Pin	' (4) (1)
22	06-82-8842	8-32 x 3/8" Pan Hd. Slt. Taptite T-20	(1)
23	06-95-6280	M4 x 0.7 x 14 Pan Hd. Slt. Taptite T-20	(8)
43	28-12-0360	Bearing Retainer	(1)
44	28-14-2255	Crankcase	(1)
45	28-20-1325	Crankcase Cover	(1)
46	28-50-6445	Intermediate Housing	(1)
48	14-52-0020	Nose Assembly	(1)
49	31-12-0270 ●	Cap-Cover	(1)
57	32-05-2250	Bevel Gear	(1)
58	32-60-2590	Clutch Pinion	(1)
61	34-40-1375	O-Ring	(1)
63 64	34-40-4310 ● 34-40-4320 ●	Rubber Damping Washer	(1)
65	34-40-4330 •	Seal-Cover O-Ring	(1)
66	34-40-4350 •	O-Ring	(1) (3)
67	34-60-0700	Retaining Ring	(1)
69	34-80-5090	Retaining Ring-Beveled	(1)
70	36-14-0760	Clutch Shaft	(1)
★ 71	36-14-0770	Hollow Clutch Shaft	(1)
72	14-09-0140	Crankshaft Assembly	(1)
73	38-50-6030	Spindle	(1)
74	40-50-8420	Bit Lock Spring	(1)
75 70	40-50-8575	Compression Spring	(1)
78 81	40-50-8590 42-98-0240	Belleville Spring Barrel	(2)
83	43-34-0740	Spring Flange	(1) (1)
84	43-44-0970 ●	Gasket	(1)
91	44-20-0222	Bit Lock	(1)
94	44-60-1400	Wrist Pin	(1)
95	44-62-0210	Piston	(1)
96	44-66-6030	Splined Clutch Plate	(1)
★ 97	44-66-6045	Fixed Clutch Plate	(1)
98	44-82-0170	Ram	(1)
99	44-90-4380	Shift Ring	(1)
100 101	44-94-0395 49-62-0095 ●	Connecting Rod Assembly Dust Seal-Hex (5/pkg.)	(1)
101	49-62-0105 ●	Dust Seal-Round (5/pkg.)	(1) (1)
102	45-06-0560	Oil Seal	(1)
103	45-36-1530	Spacer	(1)
104	45-56-2610	Striker	(1)
★ 105	45-76-0490	Clutch Tube	(1)
106	45-88-5176	Felt Seal	(1)
107	45-88-8520	Thrust Washer	(2)
108	45-88-8530	Barrel Thrust Washer	(1)
109	45-88-8535	Striker Cushion Washer	(1)
115 116	06-14-0030 14-34-0540	Hex Head Cap Screw-Special Handle Ring Assembly	(1)
117	14-34-0510	Side Handle Assembly	(1) (1)
119	44-94-0165	Depth Gauge Rod	(1)
120	45-36-1570	Spacer	(1)
121	45-60-0600	Depth Rod Clamp	(2)
	61-10-0670	Nose Service Tool	

NOTE: Check the clutch torque. Clutch must slip at 30 to 40 ft.-lbs. at the spindle, checked clockwise as viewed from the front of the tool.

> ▲ SEE BACK PAGE OF THIS BULLETIN FOR ADDITIONAL LUBRICATION AND SERVICE NOTES

