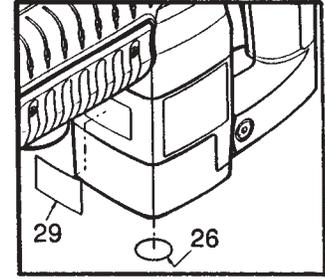
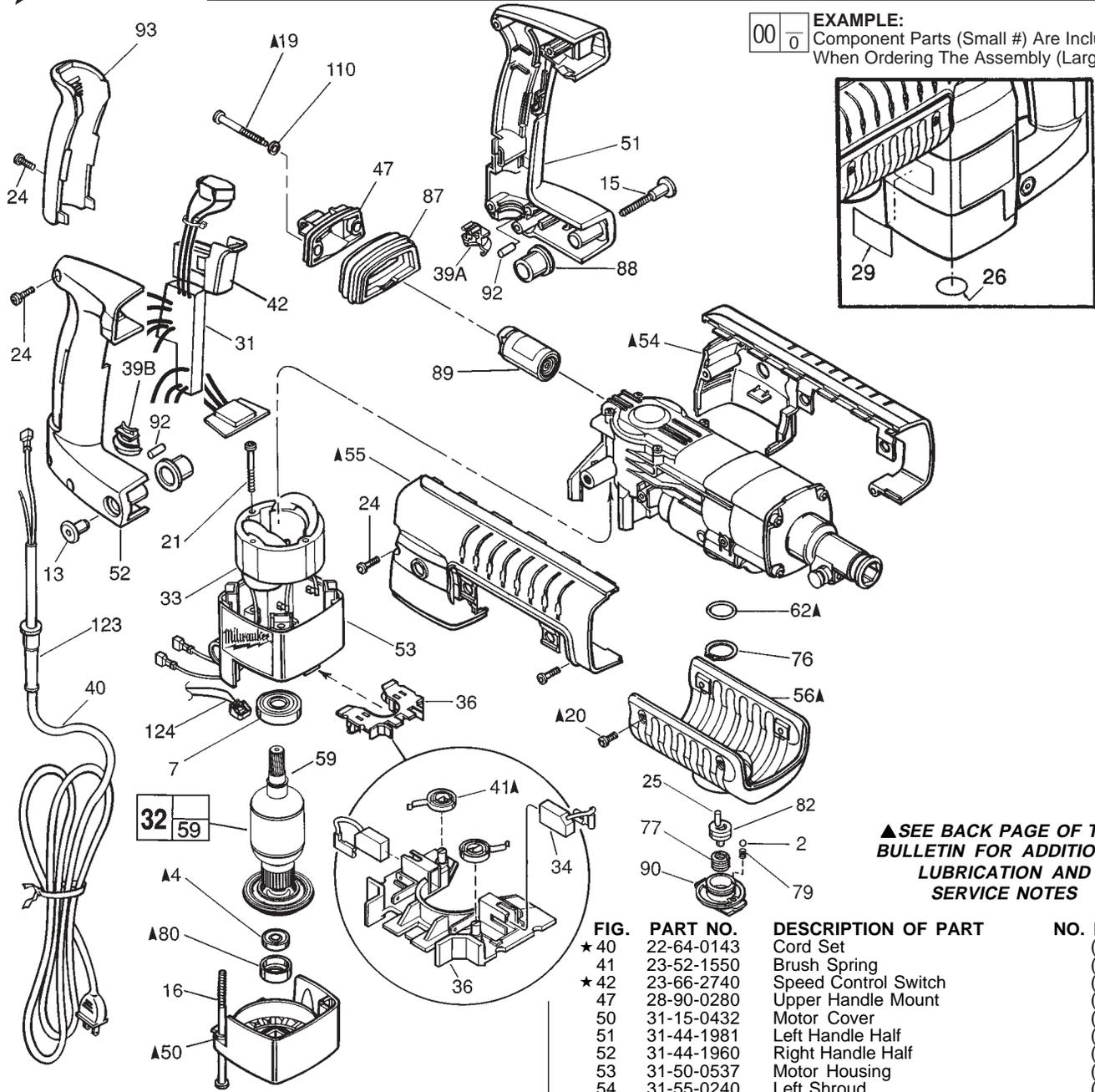




**SERVICE PARTS LIST**

<b>SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS</b>		REVISED BULLETIN	DATE
<b>1-3/4" (45mm) SPLINE ROTARY HAMMER</b>		54-24-0800	Apr. 2005
CATALOG NO. <b>5345-21</b>	STARTING SERIAL NO. <b>188B</b>	WIRING INSTRUCTION <b>58-01-1206</b>	

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



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

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	
	2	02-02-1300	5 mm Steel Ball	(2)
	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. Slit. Tapt. T-27	(2)
	19	06-81-1805	Special Screw	(4)
	20	06-82-7252	8-32 x 3/8" Pan Hd. Slit. Tapt. T-20	(4)
	21	06-82-7425	8-16 x 2" Pan Hd. Slit. Plast. T-20	(2)
	24	06-95-6290	M5 x 2.24 x 18 Pan Hd. Slit. PT T-20	(7)
	25	06-65-3720	Dowel Pin-Knurled	(1)
	26	10-75-2760	Milwaukee Label	(1)
	29	12-20-3315	Service Nameplate Kit	(1)
★	31	14-20-1001	Electronics Assembly	(1)
	32	16-50-0045	120 Volt Armature	(1)
★	33	18-50-0047	120 Volt Field	(1)
	34	22-18-0870	120 V Carbon Brush (2) Kit	(1)
	36	22-22-1480	Brush Carrier Assembly	(1)
	39A	31-17-0260	Lower Cord Clamp	(1)
	39B	31-17-0270	Upper Cord Clamp	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.	
★	40	22-64-0143	Cord Set	(1)
	41	23-52-1550	Brush Spring	(2)
★	42	23-66-2740	Speed Control Switch	(1)
	47	28-90-0280	Upper Handle Mount	(1)
	50	31-15-0432	Motor Cover	(1)
	51	31-44-1981	Left Handle Half	(1)
	52	31-44-1960	Right Handle Half	(1)
	53	31-50-0537	Motor Housing	(1)
	54	31-55-0240	Left Shroud	(1)
	55	31-55-0250	Right Shroud	(1)
	56	31-55-0220	Belly Shroud	(1)
	59	34-60-3620	Retaining Ring	(1)
	62	34-40-4160	O-Ring	(1)
	76	34-60-3630	Retaining Ring	(1)
	77	40-50-8585	Torsion Spring	(1)
	79	40-50-8690	Compression Spring	(2)
	80	42-96-0130	Bearing Cup	(1)
	82	43-06-0690	Shift Disk	(1)
	87	43-87-0030	Isolation Bellows	(1)
	88	43-87-0040	Pivot Isolator	(2)
	89	43-87-0060	Isolation Module Assembly	(1)
	90	43-98-0470	Rotostop Knob	(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)
	124	-----	Inductor Boat (Incl. with Fig. 31)	(1)
★	23-76-0110	Wire Tie (See 58-0101206)	(2)	



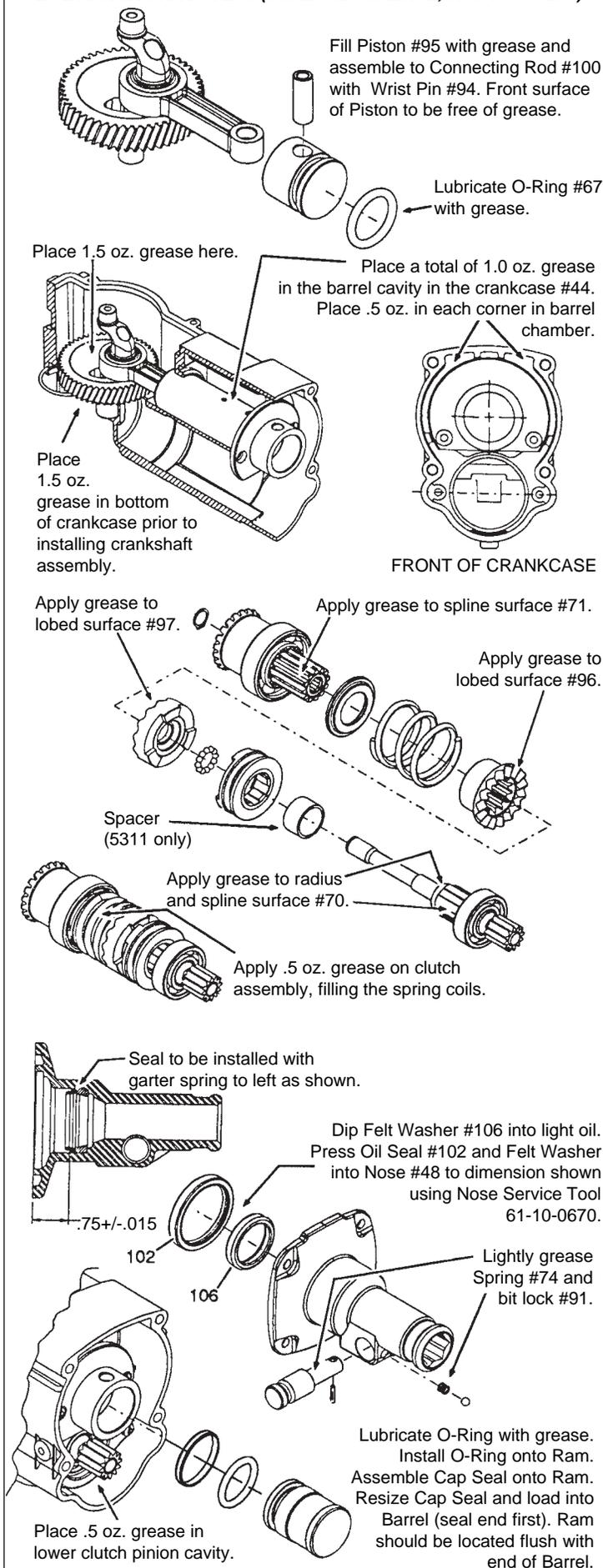
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	02-02-0120	1/8" Steel Ball	(12)
3	02-02-0250	1/4" Steel Ball	(1)
5	02-04-0911	Ball Bearing	(1)
6	02-04-1510	Ball Bearing	(1)
8	02-04-2000	Ball Bearing	(1)
9	02-50-2470	Needle Bearing	(3)
10	02-50-4020	Needle Bearing	(1)
11	02-50-9000	Needle Bearing	(1)
12	02-50-9985	Needle Bearing	(1)
14	05-81-0830	M6 x 1.0 x 70 Pan Hd. T-27	(4)
17	06-65-0831	Cross Pin	(1)
18	06-65-1660	Dowel Pin	(1)
22	06-82-8842	8-32 x 3/8" Pan Hd. Slit. Taptite T-20	(1)
23	06-95-6280	M4 x 0.7 x 14 Pan Hd. Slit. Taptite T-20	(4)
28	34-60-2580	External Retaining Ring	(1)
43	30-89-0010	Bearing Retainer	(1)
44	28-14-2297	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	34-40-0045	● Cap Seal	(1)
60	34-40-0046	● O-Ring	(1)
61	34-40-1375	O-Ring	(1)
63	34-40-4310	● Rubber Damping Washer	(1)
64	34-40-4320	● Seal-Cover	(1)
65	34-40-4330	● O-Ring	(1)
66	34-40-4350	● O-Ring	(1)
67	34-40-4470	● O-Ring	(1)
68	34-60-0700	Retaining Ring	(1)
69	34-80-5090	Retaining Ring-Beveled	(1)
70	36-14-0790	Clutch Shaft	(1)
71	36-14-0770	Hollow Clutch Shaft	(1)
72	14-09-0140	Crankshaft Assembly	(1)
73	38-50-6260	Spindle	(1)
74	40-50-8420	Bit Lock Spring	(1)
75	40-50-8575	Compression Spring	(1)
78	40-50-8590	Belleville Spring	(2)
81	42-98-0300	Barrel	(1)
83	43-34-0740	Spring Flange	(1)
84	43-44-0970	● Gasket	(1)
91	44-20-0222	Bit Lock	(1)
94	44-60-1710	Wrist Pin	(1)
95	44-62-0220	Piston	(1)
96	44-66-6030	Splined Clutch Plate	(1)
97	44-66-6045	Fixed Clutch Plate	(1)
98	44-82-0225	Ram	(1)
99	44-90-4400	Shift Ring	(1)
100	44-94-0395	Connecting Rod Assembly	(1)
101	49-62-0095	● Dust Seal-Hex (5/pkg.)	(1)
	49-62-0105	● Dust Seal-Round (5/pkg.)	(1)
102	45-06-0560	Oil Seal	(1)
104	45-56-2610	Striker	(1)
105	06-82-8872	DG50 x 16mm Torx Pan Head Screw	(4)
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)
113	45-88-8730	Wave Washer	(1)
115	06-14-0065	Hex Head Bolt-Special	(1)
116	42-16-0150	Side Handle Band	(1)
117	14-34-0516	Side Handle Assembly	(1)
118	14-34-0551	Depth Rod Mount Assembly	(1)
119	44-94-0165	Depth Gauge Rod	(1)
120	44-86-0620	Band Retainer	(1)
121	31-44-2020	Side Handle Housing	(1)
★ 126	14-34-0595	Side Handle Assembly Kit	(1)

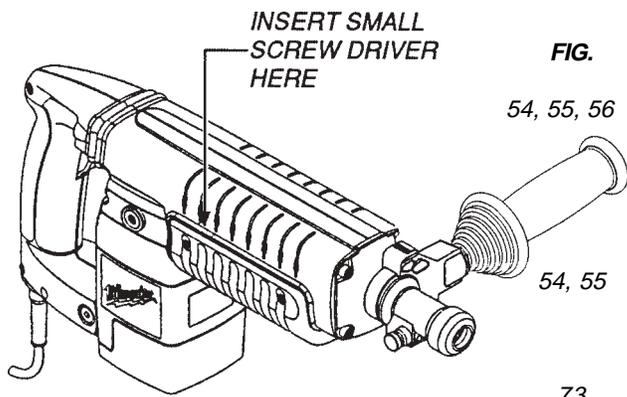
**61-10-0670 Nose Service Tool**

**NOTE:** Check the clutch torque. Clutch must slip at 35 to 45 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**

**LUBRICATION NOTES: (TYPE "S2" GREASE, NO. 49-08-5265)**





**FIG.**  
54, 55, 56

**▲ NOTES**

TO REMOVE BELLY SHROUD #56 FROM TOOL, INSERT SMALL SCREW DRIVER INTO GROOVE BETWEEN BELLY AND SIDE SHROUDS #54 AND #55, ABOUT 1/3 OF THE WAY FROM THE MOTOR END, AS SHOWN. PRY OUT AND DOWN ON BOTH SIDES OF THE TOOL.

TO INSTALL THE SIDE SHROUDS #54 AND #55, THE TOP HINGE OF THE SHROUDS MUST BE COMPLETELY INTERLOCKED, THEN THE BACK SIDE ROTATED CLOSED AROUND THE TOOL.

73 LUBRICATE ALL BORES IN SPINDLE #73 WITH A MEDIUM COATING OF GREASE.

63, 108, 109 LUBRICATE RUBBER DAMPING WASHER #63, BARREL THRUST WASHER #108 AND STRIKER CUSHION WASHER #109 WITH A MEDIUM COATING OF GREASE BEFORE ASSEMBLY.

10, 100 PRESS NEEDLE BEARING #10 IN ROD #100 SO THAT THE SAME AMOUNT STICKS OUT ON BOTH SIDES OF THE ROD, AS SHOWN.

9, 71 PRESS (2) NEEDLE BEARINGS #9 INTO HOLLOW CLUTCH SHAFT #71, FLUSH WITH THE ENDS OF THE SHAFT.

11, 12, 46 PRESS NEEDLE BEARINGS #11 AND #12 FLUSH TO THE MACHINED FACES ON BOTH ENDS OF THE INTERMEDIATE HOUSING #46.

9, 44 PRESS NEEDLE BEARING #9 INTO CRANKCASE #44, FLUSH WITH TOP OF BORE, AS SHOWN.

81 LIGHTLY GREASE INSIDE OF BARREL #81 BEFORE ASSEMBLY.

48, 73 SMALL OUTSIDE DIAMETER OF SPINDLE #73 IS TO BE LUBRICATED WITH A LIGHT COAT OF GREASE BEFORE ASSEMBLING THE NOSE ASSEMBLY #48 TO THE TOOL.

48, 73, 102 NOSE ASSEMBLY #48 MUST BE PLACED SQUARELY OVER SPINDLE #73, WHEN ASSEMBLING, TO PREVENT DAMAGE TO OIL SEAL #102.

14, 19, 20, 23 FASTENERS #14, #19, #20 AND #23 ARE TO BE RE-ASSEMBLED USING BLUE LOCTITE.

48, 102 LUBRICATE BORE IN NOSE ASSEMBLY #48 BEFORE PRESSING OIL SEAL #102 INTO PLACE.

60, 61, 62, 66, 67 LUBRICATE O-RINGS #60, #61, #62, #66 AND #67 WITH GREASE.

69 INSTALL BEVEL SNAP RING #69 WITH BEVEL SIDE UP.

4, 50, 80 PLACE BEARING CUP #80 ON SMALL ARMATURE BEARING #4 BEFORE INSTALLING MOTOR COVER #50.

41 BRUSH SPRINGS #41 ARE TO BE WOUND 1/2 TURN TO ENGAGE BRUSHES.

4 RUBBER SEAL SIDE OF BALL BEARING #4 TO FACE FAN.

95, 98 FACES OF PISTON #95 AND RAM #98 ARE TO BE FREE OF GREASE.

105 WHEN REASSEMBLING BARREL AND CLUTCH SCREWS INTO EXISTING CRANKCASE, MAKE SURE SCREW IS STARTED IN EXISTING THREAD. DO NOT CREATE TWO SETS OF THREADS IN ONE HOLE.

