

1

49-08-4230

5 Oz. Tube "N" Grease

2 ----- Carbon Brush

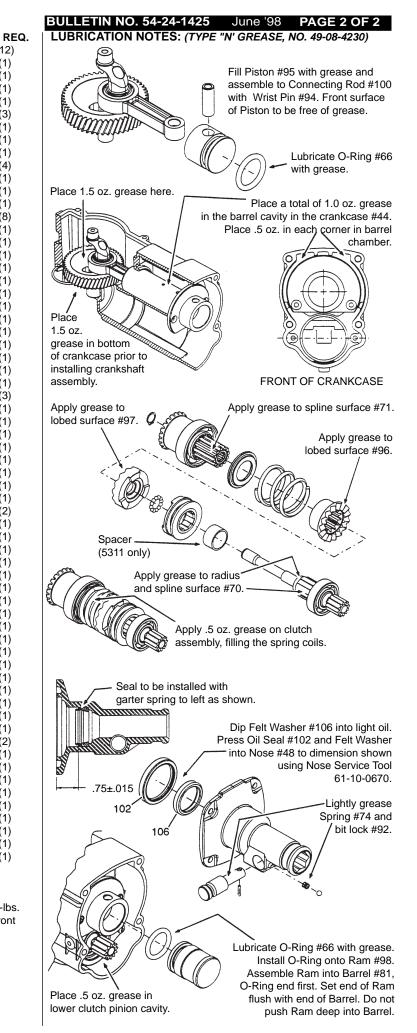
FOR ADDITIONAL LUBRICATION AND SERVICE NOTES

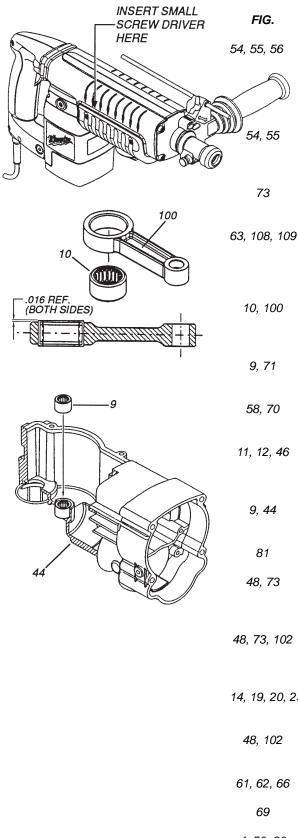
FIG.	PART NO.	DESCRIPTION OF PART	NO. RE
1	02-02-0120	1/8" Steel Ball	(12)
3	02-02-0250	1/4" Steel Ball	(1)
5	02-04-0911	Ball Bearing	(1)
6	02-04-1510	Ball Bearing	(1)
8	02-04-2000	Ball Bearing	(1)
9	02-50-2470	Needle Bearing	(3)
10	02-50-4020	Needle Bearing	(1)
11	02-50-9000	Needle Bearing	(1)
12	02-50-9985	Needle Bearing	(1)
14	05-81-0830	M6 x 1.0 x 70 Pan Hd. Screw T-27	(4)
17	06-65-0828	Groove Pin	(1)
18	06-65-1660	Dowel Pin	(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-	
28	34-60-2580	External Retaining Ring	(1)
43	28-12-0360	Bearing Retainer	(1)
44	28-14-2295	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	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	(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	40-50-8575	Compression Spring	(1)
78	40-50-8590	Belleville Spring	(2)
81	42-98-0200	Barrel	(1)
83	43-34-0740	Spring Flange	(1)
84	43-44-0970	Gasket	(1)
91	44-20-0222	Bit Lock	(1)
94	44-60-1400	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 Shift Ding	(1)
99 100	44-90-4400 44-94-0395	Shift Ring Connecting Rod Assembly	(1)
100	49-62-0095●	Dust Seal-Hex (5/pkg.)	(1)
101	49-62-0095 <b>●</b>	Dust Seal-Round (5/pkg.)	(1) (1)
102	45-06-0560	Oil Seal	(1)
102	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)
113	45-88-8730	Wave Washer	(1)
<b>*</b> 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)
<b>*</b> 121	31-44-2020	Side Handle Housing	(1)
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	61-10-0670	Nose Service Tool	

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





## 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, <u>AS SHOWN</u>. 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.

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

8, 109 LUBRICATE RUBBER DAMPING WASHER #63, BARREL THRUST WASHER #108 AND STRIKER CUSHION WASHER #109 WITH A MEDIUM COATING OF GREASE BEFORE ASSEMBLY.

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

- 71 PRESS (2) NEEDLE BEARINGS #9 INTO HOLLOW CLUTCH SHAFT #71, FLUSH WITH THE ENDS OF THE SHAFT.
- , 70 PRESS CLUTCH PINION #58 FLUSH WITH THE END OF THE CLUTCH SHAFT #70.
- 12, 46 PRESS NEEDLE BEARINGS #11 AND #12 FLUSH TO THE MACHINED FACES ON BOTH ENDS OF THE INTERMEDIATE HOUSING #46.
  - 44 PRESS NEEDLE BEARING #9 INTO CRANKCASE #44, FLUSH WITH TOP OF BORE, <u>AS SHOWN</u>.
- 31 <u>LIGHTLY</u> GREASE INSIDE OF BARREL #81 BEFORE ASSEMBLY.
- , 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.
- 8, 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.
  - 61, 62, 66 LUBRICATE O-RINGS #61, #62 AND #66 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.