



# SERVICE PARTS LIST

**BUL. 54-16-3000**

## TWO SPEED DYMODRILL

REVISED BUL. 6344-1	DATE Sept. 71
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**Catalog No. 4025**

Starting  
Serial No. **344-1001**

WIRING INSTRUCTIONS  
**58-01-0390**

Specify Catalog and Serial No. when ordering parts

### ILLUSTRATION ON REVERSE SIDE

Speed changes on the MILWAUKEE Two Speed Dymodril are accomplished simply and easily by means of a conveniently located shift lever. Gears are constantly in mesh and the position of a positive jawed clutch determines the speed range. It is suggested that speed changes be made while the tool is coasting to a stop after turning off the switch. This procedure minimizes the shock accompanying the instantaneous speed change.

#### ILLUSTRATED PARTS

FIG.	PART NO.	DESCRIPTION OF PART	FIG.	PART NO.	DESCRIPTION OF PART
1	40-50-6300	Shifting Spring (2)	27	34-40-1350	"O" Ring (2)
2	44-70-0100	Shifting Plunger (2)	*28	42-40-0391	Spindle Bushing
3	45-80-0060	Valve	29	38-50-4551	Spindle
4	45-98-0090	Shifting Yoke	30	34-80-3800	Retaining Ring
5	30-15-0051	Shifting Cam	31	02-20-2530	Ball Bearing
6	06-65-0840	Groove Pin	32	45-36-0380	Spindle Spacer
7	28-60-0051	Shifting Knob	33	32-75-2661	Spindle Gear
8	16-82-1770	Armature Assembly	34	28-14-1281	Gear Case
9	18-82-1070	Field Assembly			
10	28-50-4121	Motor Housing	36	02-80-1800	Thrust Bearing
11	22-22-0015	Brush Holder Assembly (2)	37	45-88-0520	Thrust Washer
12	22-18-0055	Carbon Brush Assembly (2)	38	32-10-0061	Clutch Gear
13	23-44-0030	Brush Retaining Screw (2)	39	02-80-5000	Thrust Bearing
14	02-04-1070	Ball Bearing	40	45-88-0530	Thrust Washer
15	22-56-0060	Right Angle Connector	41	32-10-0051	Clutch Gear
16	22-64-0065	Cord Set	42	02-80-1200	Thrust Bearing
17	44-66-0180	Air Intake Cover Plate	43	45-88-0510	Thrust Washer (2)
18	44-66-0050	Body Cover Plate	44	36-14-0071	Clutch Shaft
19	34-60-1800	Retaining Ring	45	02-50-4830	Needle Bearing
20	34-40-1100	"O" Ring	46	28-28-1361	Diaphragm
21	45-22-0050	Spindle Sleeve	47	02-04-1205	Ball Bearing (2)
22	34-40-1200	"O" Ring	48	02-04-1260	Ball Bearing
23	44-60-0050	Shear Pin	49	02-04-1260	Ball Bearing (2)
24	34-60-2115	Retaining Ring	50	36-66-3751	Intermediate Pinion Shaft
25	43-76-0051	Water Swivel Housing	51	32-40-1581	Intermediate Gear
26	45-06-0050	Water Seal (2)			

#### MISCELLANEOUS PARTS NOT SHOWN

PART NO.	DESCRIPTION OF PART	PART NO.	DESCRIPTION OF PART
49-18-0050	Water Hose	06-97-3800	Lock Washer (2)
* 06-81-8650	6-32x1/4" Rd. Hd. Air Intake Plate Sem (2)	06-81-1150	10-24x3-1/8 Fil. Hd. Field Screw (2)
06-81-5000	1/4-20x3/8" Truss Hd. Cover Plate Screw (4)	06-42-1600	Woodruff Key (2)
06-81-2125	1/4-2 x3-1/2" Fil. Hd. Gear Case Sem (4)	06-42-2000	Woodruff Key
06-81-8625	6-32x1/4 Rd. Hd. Brass Ground Screw	06-42-2400	Woodruff Key
06-81-8400	4-40x1/4" Rd. Hd. Name Plate Sem (2)	12-98-2100	Instruction Plate
06-81-8400	4-40x1/4 Rd. Hd. Instruction Plate Screw (2)	12-98-2050	Name Plate
06-83-2650	1/4-20x3/8" Hd'less Brush Holder Set Screw (2)	06-83-2650	1/4-20x3/8" Hd'less Cord Elbow Set Screw
* 06-97-2200	Lock Washer	* 45-88-5520	Flat Washer
* 45-88-5540	Flat Washer	* 45-88-5560	Flat Washer
* 06-65-1530	1/8x1/2 Roll Pin	* 49-96-4700	Open End Wrench

