

#16 Drill Parts Break Down

ILLUSTRATION OF PARTS

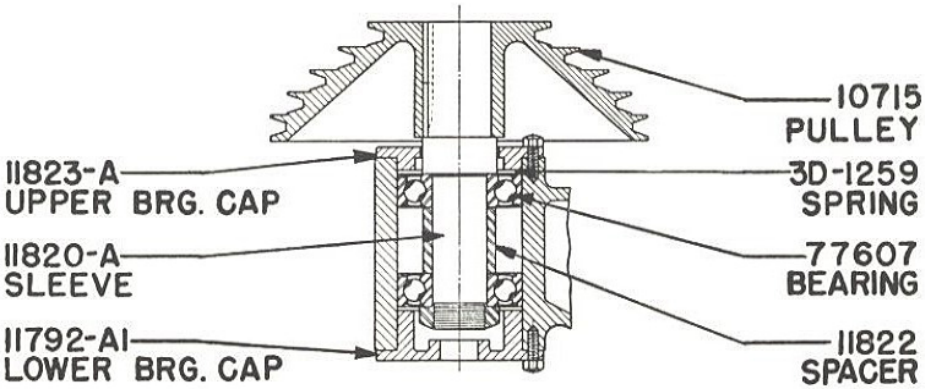
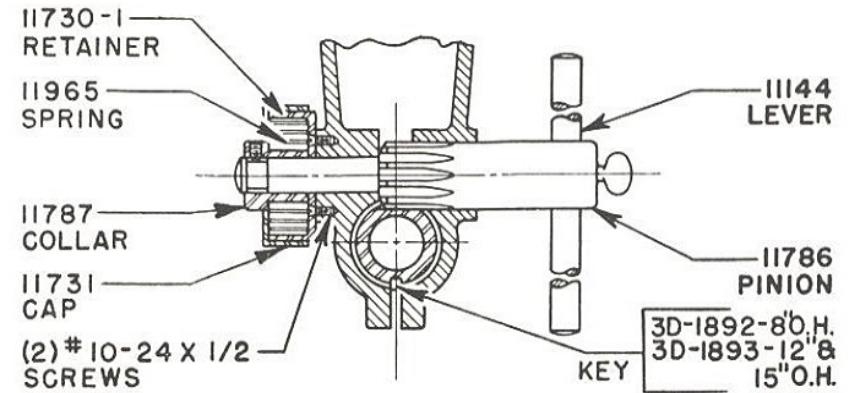
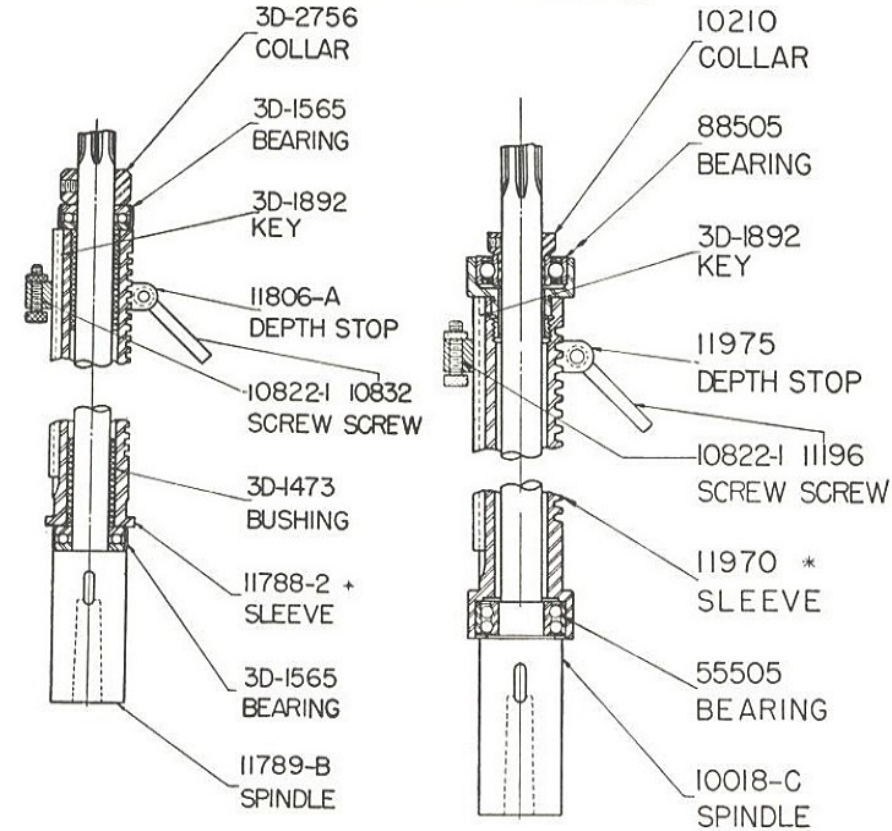


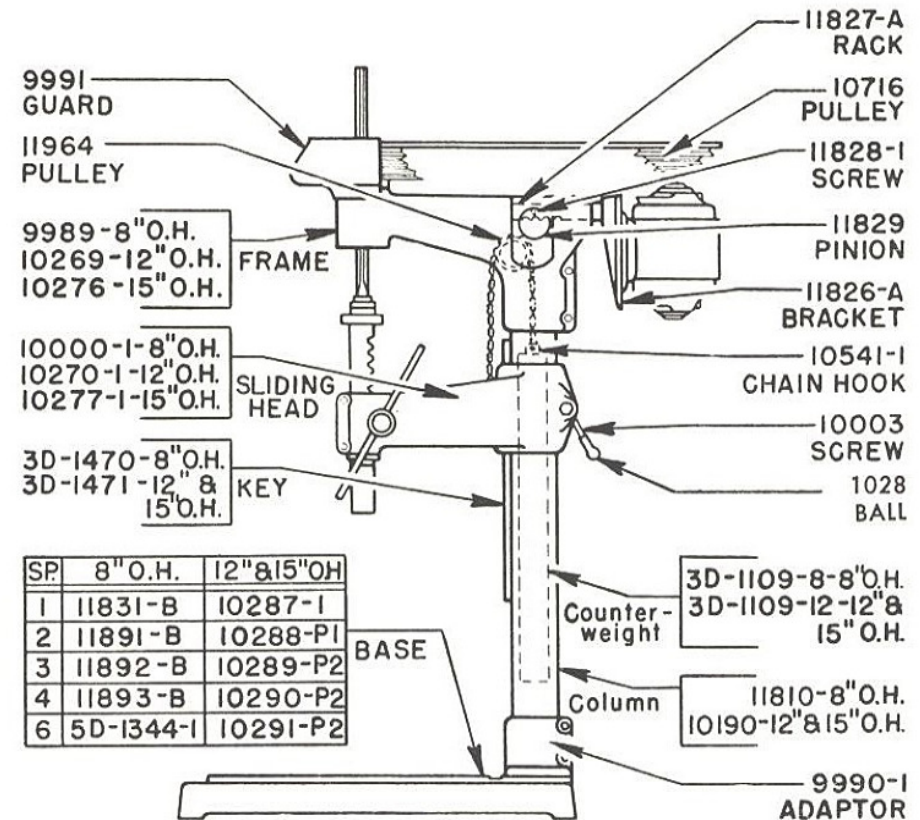
ILLUSTRATION OF PARTS



SPINDLE PULLEY ASSEMBLY



FEED PINION ASSEMBLY



STD. SLEEVE BRG. SPINDLE

BALL BEARING SPINDLE

★Specify whether machine is 8", 12", or 15", overhang.

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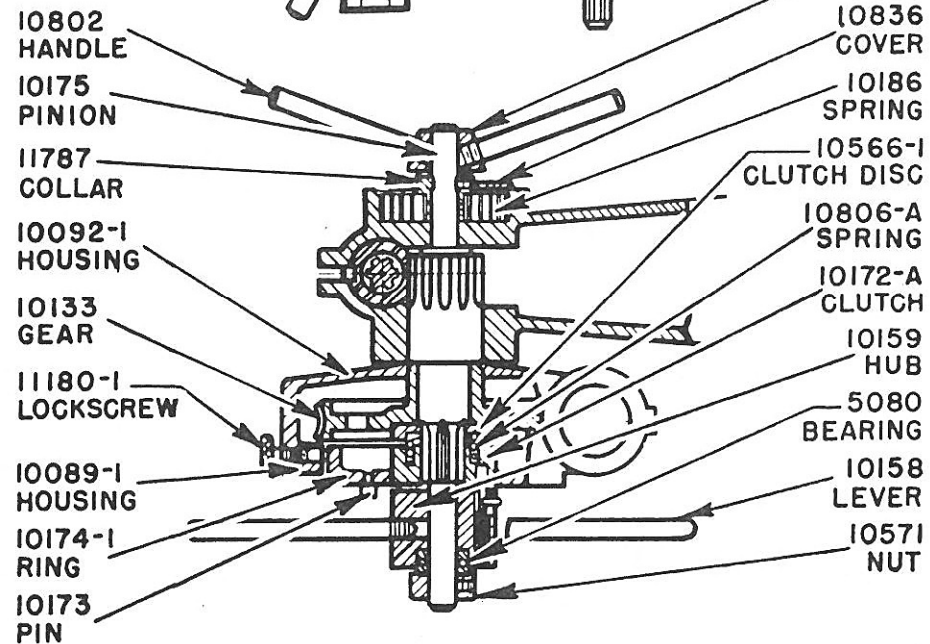
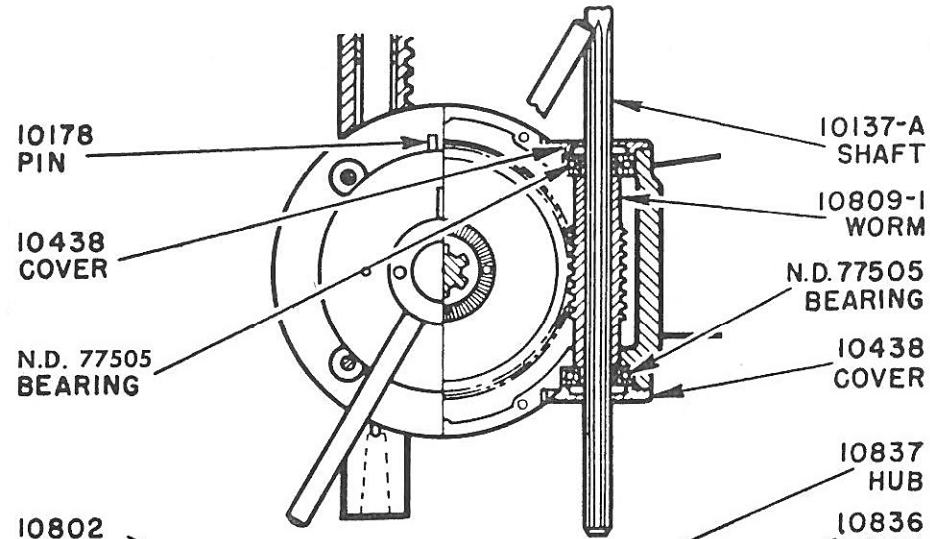
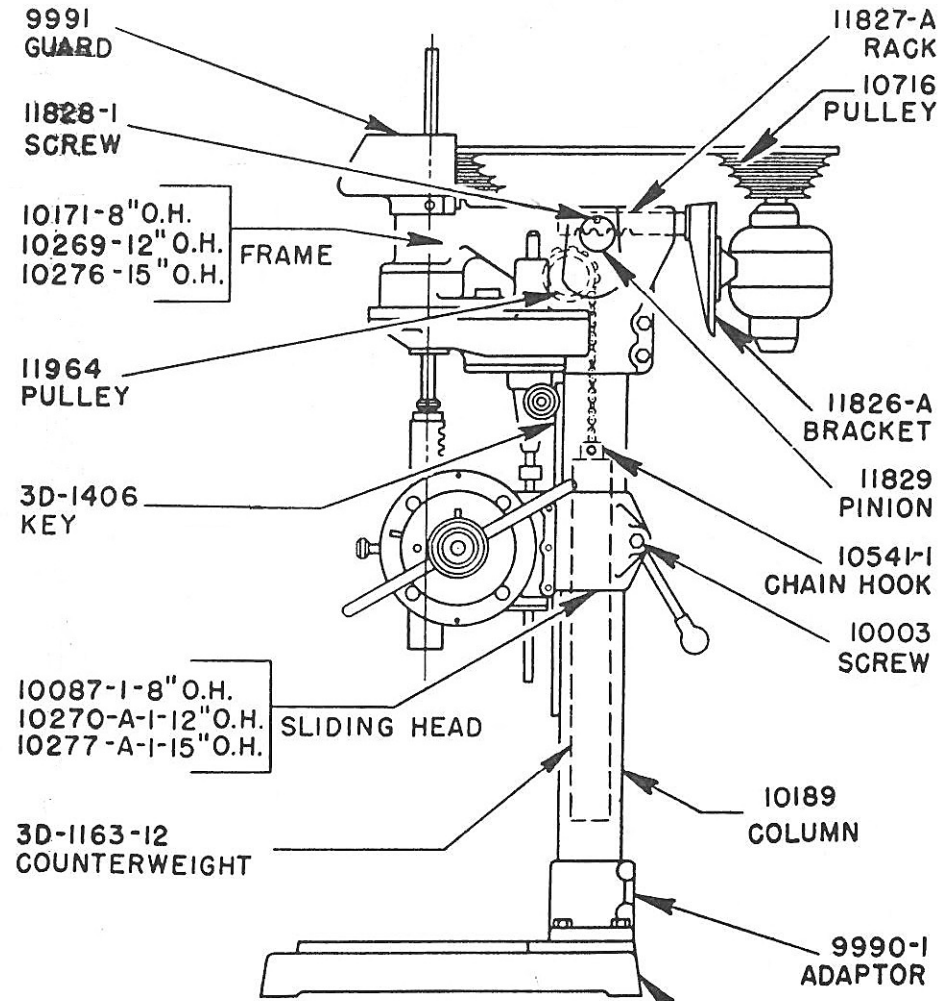


ILLUSTRATION OF PARTS



SP.	8" O.H.	12" & 15" O.H.
1	11831-B	10287-1
2	10304	5D-1913
3	10305	5D-1914
4	10306	7D-1915
6	7D-2615	7D-1734

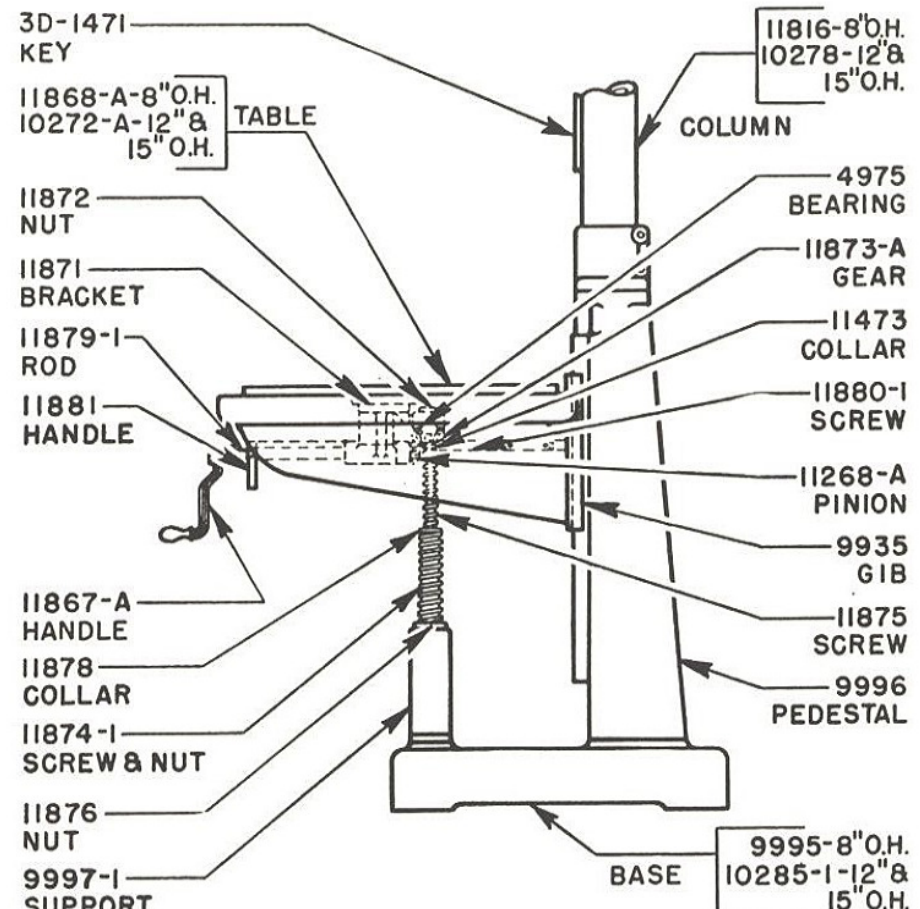
BASE

#16 Drill Parts Break Down

NO. 16 SENSITIVE DRILL—REPAIR PARTS LIST

Item No.	No. Req'd	Description	Material	Weight Ea. Lbs.
3D-1109-8	1	Counter-weight (8" Overhang)	C. I.	32
3D-1109-12	1	Counter-weight (12" and 15" Overhang)	C. I.	41
3D-1259	2	Loading Spring	Steel	
3D-1470	1	Key for Column (8" Overhang)	Steel	1
3D-1471	1	Key for Column (12" and 15" Overhang)	Steel	1 1/4
3D-1473	2	Bushing for Spindle Sleeve	Bronze	1/2
3D-1565	2	Thrust Bearings	Steel	1/4
3D-1892	1	Key for Spindle Sleeve (8" Overhang)	Steel	1/4
3D-1893	1	Key for Spindle Sleeve (12" & 15" Overhang)	Steel	1/4
3D-2756	1	Spindle Adjusting Collar	Steel	1/2
9989	1	Frame (8" Overhang)	C. I.	42
9990-1	1	Adaptor	C. I.	5
9991	1	Pulley Guard	C. I.	8 1/2
10000-1	1	Sliding Head (8" Overhang)	C. I.	26
10003	1	Locking Screw for Sliding Head	Steel	2 1/2
10018-C	1	No. 2 Morse Taper Ball Bearing Spindle	Steel	7
10190	1	Column-Bench Type, 12" and 15" Overhang	Steel	40
10210	1	Adjusting Collar for Ball Bearing Spindle	Steel	1/2
10269	1	Frame (12" Overhang)	C. I.	49
10270-1	1	Sliding Head (12" Overhang)	C. I.	35
10276	1	Frame (15" Overhang)	C. I.	55
10277-1	1	Sliding Head (15" Overhang)	C. I.	40
10541-1	1	Chain Hook for Counter-weight	Steel	1/4
10715	1	Spindle Pulley	C. I.	26
10716	1	Motor Pulley (specify bore)	C. I.	20
10822-1	1	Depth Stop Adjusting Screw and Nut	Steel	1/4
10832	1	Depth Stop Screw and Handle	Steel	1 1/4
11144	1	Hand Feed Lever	Steel	
11196	2	Nuts for Depth Stop Locking Screw	Steel	1/2
11730-1	1	Spring Retainer	Steel	1/2
11731	1	Cap for Spring Retainer	Steel	1/2
11786	1	Feed Pinion	Steel	4
11787	1	Collar for Feed Pinion	Steel	3/4
11788-2	1	Spindle Sleeve	Steel	9
11789-B	1	Spindle—No. 2 Morse Taper	Steel	8 1/4
11792-A1	1	Lower Bearing Cap	C. I.	2 1/2
11806-A	1	Depth Stop Collar	M. I.	1/2
11810	1	Column (8" Overhang) Bench Type	Steel	34
11820-A	1	Spindle Pulley Sleeve	Steel	6 1/2
11822	1	Spacer	Steel	1/2
11823-A	1	Upper Bearing Cap	C. I.	1 1/2
11826-A	1	Motor Bracket	C. I.	1 1/2
11827-A	1	Rack for Motor Bracket	Steel	4 1/2
11828-1	1	Locking Screw and Knob	Steel	2 1/2
11829	1	Pinion for Motor Bracket	Steel	3/4
11964	1	Pulley for Counter-weight	Steel	1 1/2
11965	1	Spindle Return Spring	Steel	3/4
11970	1	Sleeve for Ball Bearing Spindle	Steel	9 1/2
11975	1	Depth Stop for Ball Bearing Spindle	Brass	1
10287-1	1	1 Spindle Base (12" and 15" Overhang)	C. I.	95
10288-P1	1	2 Spindle Base (12" and 15" Overhang)	C. I.	300
10289-P2	1	3 Spindle Base (12" and 15" Overhang)	C. I.	420
10290-P2	1	4 Spindle Base (12" and 15" Overhang)	C. I.	584
10291-P2	1	6 Spindle Base (12" and 15" Overhang)	C. I.	728
11831-B	1	1 Spindle Base (8" Overhang)	C. I.	97
11891-B	1	2 Spindle Base (8" Overhang)	C. I.	169
11892-B	1	3 Spindle Base (8" Overhang)	C. I.	286
11893-B	1	4 Spindle Base (8" Overhang)	C. I.	364
5D-1344-1	1	6 Spindle Base (8" Overhang)	C. I.	520
1028	1	Ball for Locking Lever	Plastic	
55505	1	Lower Bearing for Ball Bearing Spindle	Steel	1/2
77607	2	Ball Bearing for Frame	Steel	1
88505	1	Upper Bearing for Ball Bearing Spindle	Steel	1/2
	1	V-Belt (In ordering give outside length)	Rubber	1/2

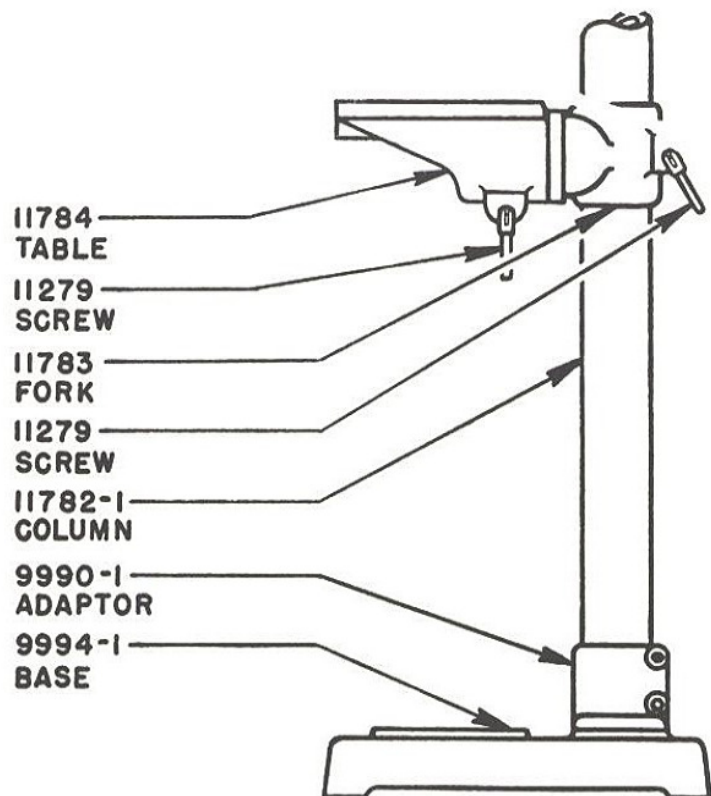
REPAIR PARTS LIST—PEDESTAL TYPE DRILL



Item No.	No. Req'd	Description	Material	Weight Ea. Lbs.
4975	1	Nice Thrust Bearing	Steel	1/4
3D-1471	1	Key for Column	Steel	1 1/2
9935	1	Gib	Steel	3 3/4
9995	1	Base (8" Overhang)	C. I.	82
9996	1	Pedestal	C. I.	110
9997-1	1	Raising Screw Support	C. I.	6 1/4
10272-A	1	Table (12" & 15" Overhang)	C. I.	245
10278	1	Column (12" & 15" Overhang)	Steel	48 1/2
10285-1	1	Base (12" & 15" Overhang)	Steel	68
11268-A	1	Crown Pinion	Steel	2
11473	1	Set Collar for Small Table Raising Screw	Steel	1/2
11816	1	Column (8" Overhang)	Steel	45 3/4
11867-A	1	Table Raising Handle	Steel	3 1/2
11868-A	1	Table (8" Overhang)	C. I.	120
11871	1	Bracket	C. I.	9
11872	1	Nut for Crown Gear	Steel	1/2
11873-A	1	Crown Gear	Steel	5 3/4
11874-1	1	Large Table Raising Screw and Nut	Steel	8 3/4
11875	1	Small Table Raising Screw	Steel	2 3/4
11876	1	Table Raising Nut for Large Screw	C. I.	2
11878	1	Nut and Collar for Large Screw	Steel	1
11879-1	1	Operating Rod and Collar	Steel	13
11880-1	1	Locking Screw Assembly	Steel	3 1/2
11881	1	Handle for Locking Screw	Steel	3/4

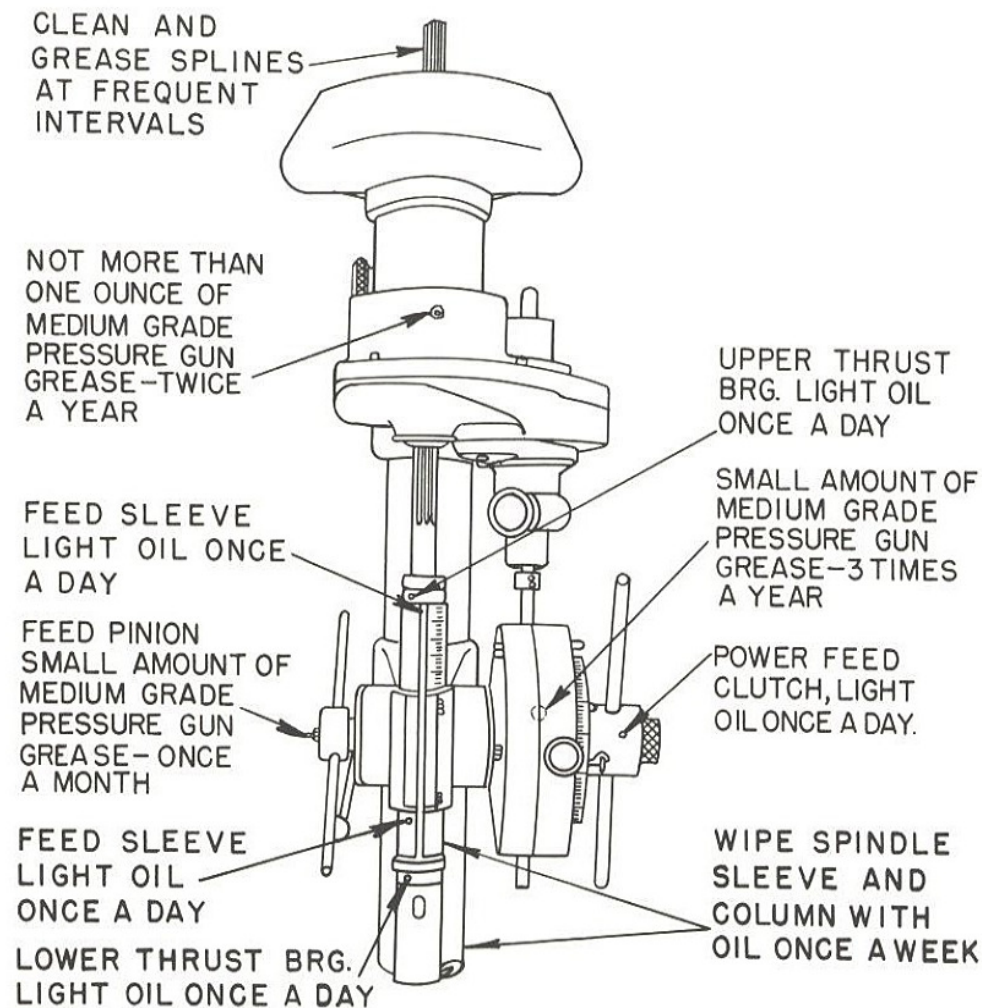
#16 Drill Parts Break Down

REPAIR PARTS LIST—ROUND COLUMN FLOOR DRILL



Item No.	No. Req'd	Description	Material	Weight Ea. Lbs.
9990-1	1	Adaptor	C.I.	5
9994-1	1	Base	C.I.	79
11279	2	Locking Screws for Fork and Table.....	Steel	$\frac{1}{2}$
11782-1	1	Column	Steel	62 $\frac{1}{2}$
11783	1	Table Fork	C.I.	19
11784	1	Table	C.I.	41 $\frac{1}{2}$

LUBRICATION—STANDARD SPINDLE

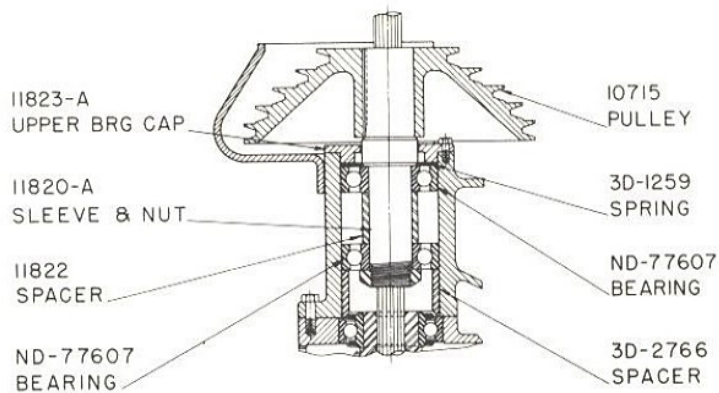


In addition to the Lubrication shown above we recommend the following:

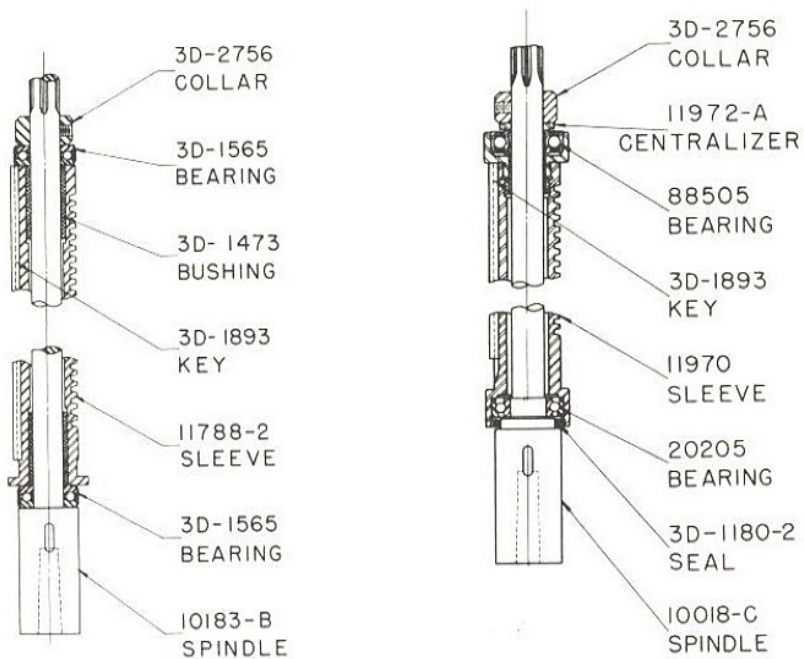
1. Lubricate Table Raising Screw and Gears with soft grease, once a month.
2. Clean Table Gib on Pedestal and wipe with oil, once a month.
3. Lubricate Ball Bearing Motors with a small amount of clean grease, not more often than twice a year.

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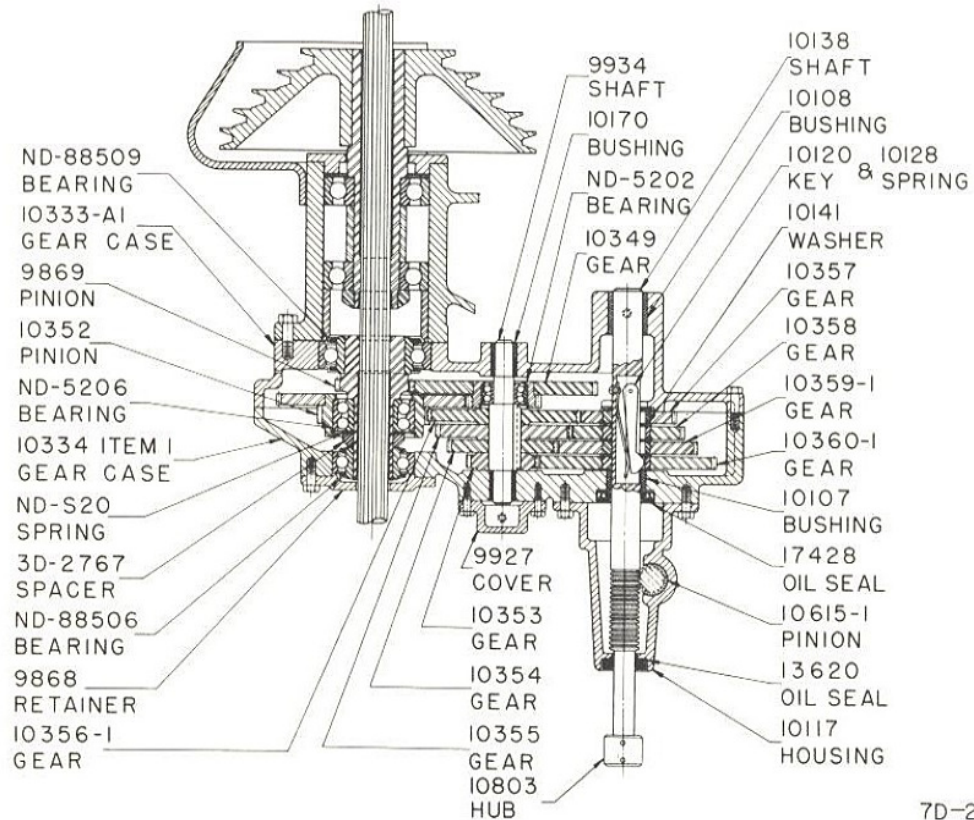
SPINDLE PULLEY ASSEMBLY



STD. SLEEVE BRG. SPINDLE

BALL BEARING SPINDLE

ILLUSTRATION OF PARTS



7D-2772



10141 WASHER



10128 SPRING



10122 10140 SNAP RING