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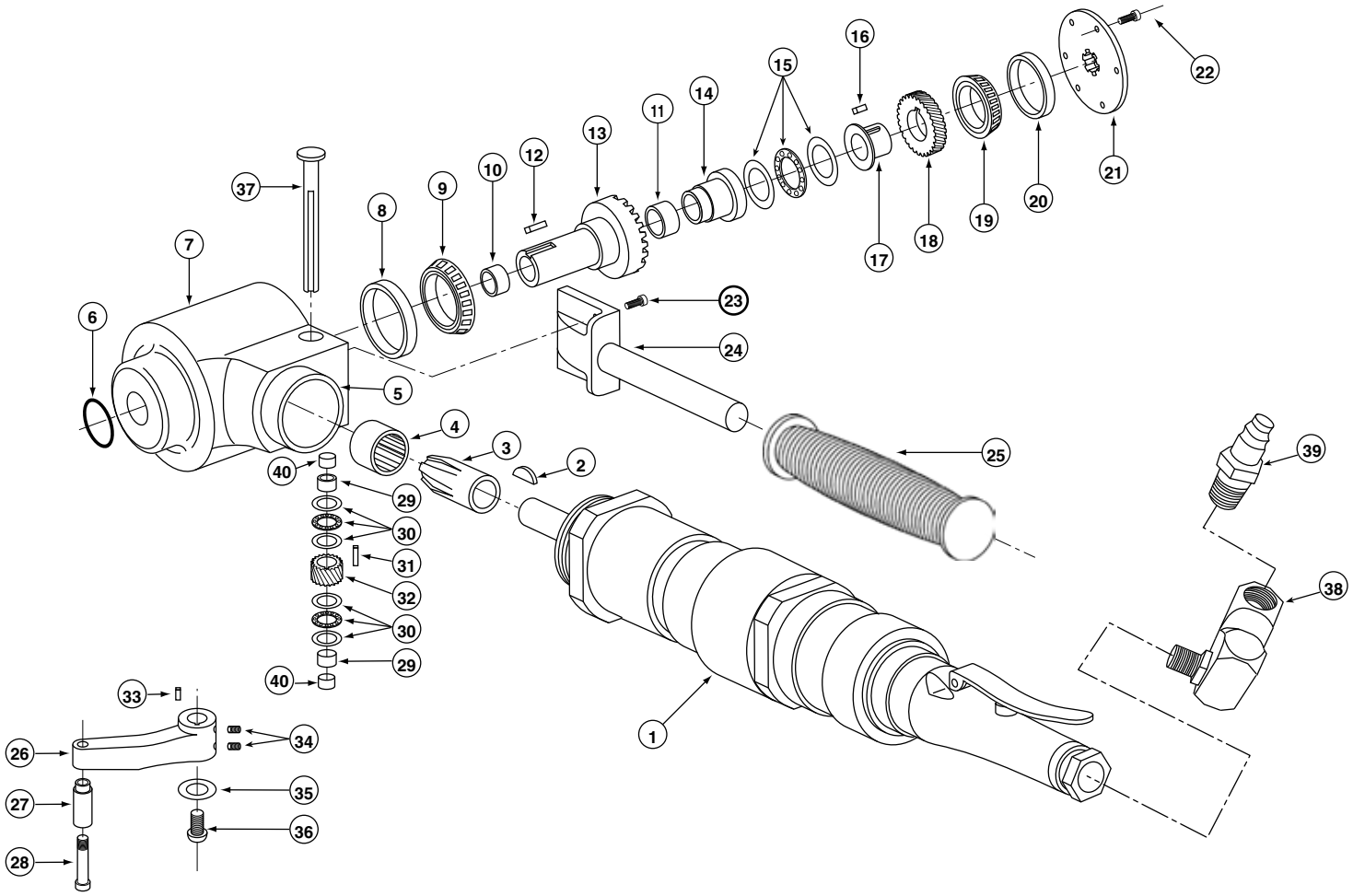
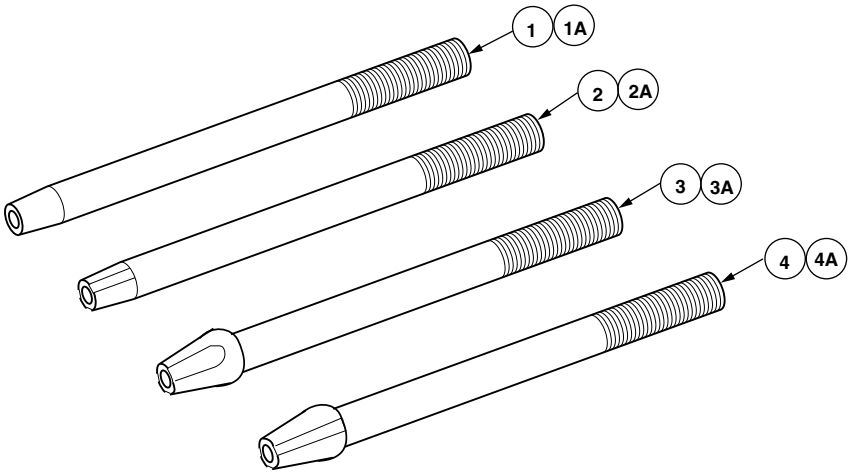
PARTS LIST
Model MSX



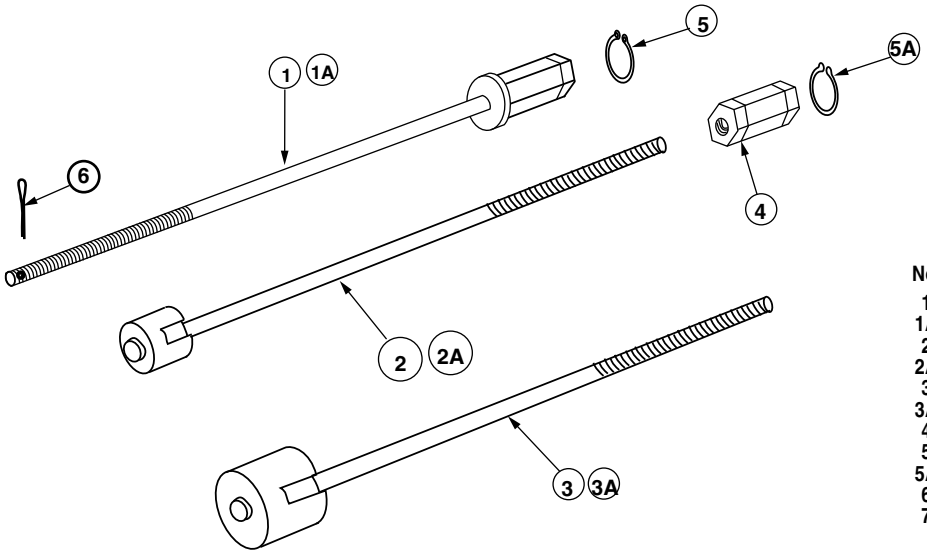
Reference No.	Part No.	Description	Reference No.	Part No.	Description	Reference No.	Part No.	Description
1	CML3488	Air Motor	15	918-0001	Thrust Bearing EW1	28	910-0002	3/8" x 1-1/2" Shoulder Bolt
2	911-0003	Woodruff Key #9 3/16" x 3/4"	16	911-0006	Half Round Key 1/4" x 5/16"	29	915-0001	(2) Needle Bearing SCE86
			17	MS 004222	Feed Nut	30	918-0002	(2) Thrust Bearing INA FT015
3	MS 004213	Pinion Gear	18	MS H1648R	Helical Gear	31	911-0004	Keystock 1/8" x 1/2"
4	001816	Needle Bearing	19	MS 013889	Bearing Cone	32	MS H1616R	Helical Gear
5	MSX 004215	Adapter	20	MS 013830	Bearing Cup	33	911-0007	Square Key 1/8" x 1"
6	921-0222	Housing O-Ring	21	MS 004223	Centershaft Lock	34	500-1091	(2) 1/4-20 x 1/4" Socket Head Set Screw
7	MS 004217	Housing	22	900-0002	(6) 10-24 x 3/8" Button Head Cap Screw	35	500-1032	Flat Washer 1/4" SAE
8	MS 013830	Bearing Cup	23	500-1421	(2) 1/4-20 x 1" Socket Head Cap Screw	36	500-1034	1/4-20 x 1/2" Button Head Cap Screw
9	MS 013889	Bearing Cone	24	MS 004224	Handle	37	MS 004232	Crank Shaft
10	915-0002	Needle Bearing B1612	25	920-0001	Rubber Grip	38	95462	Drop Swivel
11	915-0003	Needle Bearing BH1616	26	MS 004226	Feed Handle	39	DCP2504	Male Plug
12	911-0005	Half Round Key 3/16" x 1/2"	27	MS 004227	Feed Handle Knob	40	MS 004238	(2) Spacer
13	MS 004219	Main Gear						
14	MS 004220	Centerpiece						

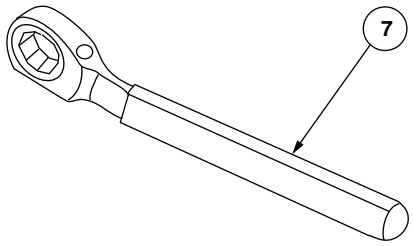
Center Shafts



Reference No.	Part No.	Description
1	MS 004240	7° Centershaft, Collet
1A	MS 004241	7° Centershaft, Collet, Long
2	MS 004242	7/8" Centershaft, Wedge
2A	MS 004243	7/8" Centershaft, Wedge, Long
3	MS 004244	10° Centershaft, Collet
3A	MS 004245	10° Centershaft, Collet., Long
4	MS 004246	1-1/4" Centershaft, Wedge
4A	MS 004247	1-1/4" Centershaft, Wedge, Long

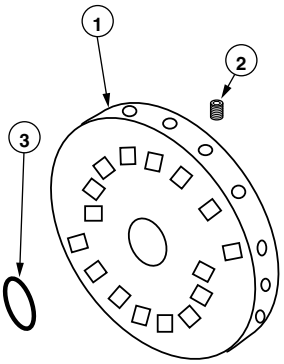
Wedge and Collet Locking Rods

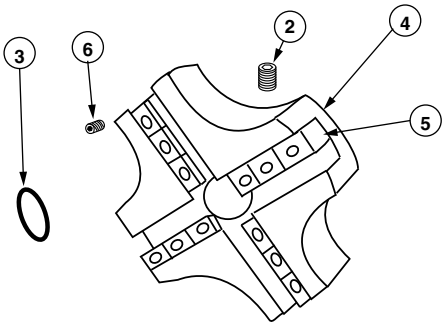




No.	Reference No.	Part No.	Description
1		MS 004250	Collet Rod
1A		MS 004251	Collet Rod, Long
2		MS 004252	Wedge Rod, 7/8" O.D. Head
2A		MS 004253	Wedge Rod, 7/8" O.D. Head, Long
3		MS 004254	Wedge Rod, 1-1/4" O.D. Head
3A		MS 004255	Wedge Rod, 1-1-/4" O.D. Head, Long
4		MS 004256	Wedge Rod Nut
5		MS 004257	Retainer Ring, Collet
5A		MS 004257	(2) Retainer Ring, Wedge
6		MS 004258	Cotter Pin, Collet
7		230811990	Rod Wrench 5/8" Hex

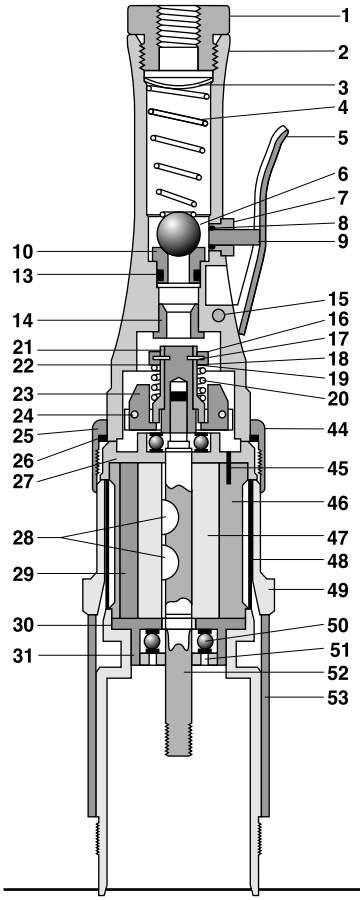
Standard Tool Holders





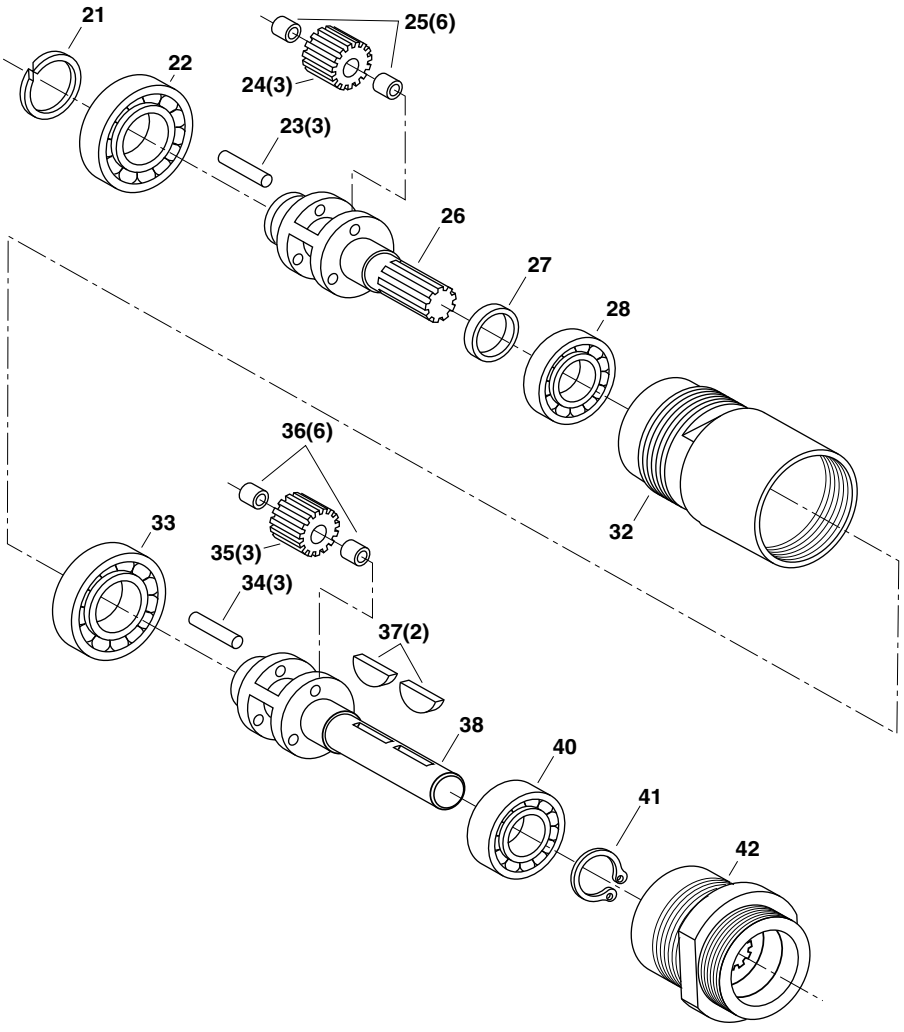
Reference No.	Part No.	Description
1	MS 004270	4" Fixed Tool Holder
	MS 004282	5-1/2" Fixed Tool Holder
	MS 004281	7" Fixed Tool Holder
2	903-0003	(17) Socket Head Set Screw 5/16-18 x 5/16"
3	921-0214	O-Ring, Tool Holder
4	MS 004274	4" - 3 Flute Sliding Tool Holder
	MS 004284	4" - 4 Flute Sliding Tool Holder
	MS 004279	5-1/2" - 3 Flute Sliding Tool Holder
	MS 004283	5-1/2" - 4 Flute Sliding Tool Holder
	MS 004280	7" - 4 Flute Sliding Tool Holder
5	000687	(12) Blade Lock, Sliding
6	917-0001	(12) Differential Screw

PARTS LIST
Air Motor



THROTTLE, GOVERNOR & MOTOR ASSEMBLIES

Reference No.	Part No.	Description
1	1014645	Hose Adapter
2	1032011	Throttle Body
3	1005094	Screen
4	1014687	Spring
5	1017082	Lever
6	1014838	Steel Ball (9/16" Dia.)
7	1017292	Bushing
8	1008110	O-Ring
9	1024781	Push Rod
10	1024419	Valve
13	1009371	O-Ring
14	1009039	Nozzle
15	1009786	Pin
16	1011482	Spring Seat
17	1009699	Retaining Ring
18	1009099	Key (2)
19	1011483	Shim (as required)
20	1009024	Spring
21	1009120	Governor Valve
22	1009121	Governor Hub
23	1009118	Governor Weight (2)
24	1008839	Pin (2)
25	1022113	Nut Assembly (Incl: #1012329 Set Screw)
26	1009459	Clamp Ring
27	1008935	Rear Plate
28	1001473	Key (2)
29	1008867	Rotor Blade (4)
30	1009323	Front Plate
31	1006843	Retaining Ring
44	1009017	Ball Bearing
45	1008840	Pin
46	1008864	Cylinder (Incl: #45)
47	1008865	Rotor
48	1008936	Sleeve
49	1009325	Motor Housing
50	1009015	Ball Bearing
51	1004639	Bearing Retainer
52	1009324	Rotor Shaft
53	1009326	Baffle Ring



PLANETARY GEARING

Reference No.	Part No.	Description
21	1009530	Retaining Ring
22	1009333	Ball Bearing
23	1009331	Planet Pin (3)
24	1009332	Planet Gear (3)
25	1009303	Needle Bearing (6)
26	1009599	Planet Cage
27	1009592	Planet Cage Washer
28	1005003	Ball Bearing
32	1013858	Internal Gear
33	1009333	Ball Bearing
34	1009331	Planet Pin (3)
35	1009332	Planet Gear (3)
36	1009303	Needle Bearing (6)
37	1001311	Woodruff Key (2)
38	1015644	Planet Cage (Incl: #1015357 Retaining Ring)
41	1012796	Retaining Ring
42	1015641	Internal Gear

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