

NUMERICAL PRICE LIST

Form No. 1152
May, 1967

PARTS for SOUTH BEND VERTICAL MILLING MACHINE

Commercially Available Hardware . . . 3

Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price
MAS88R2	\$ 4.95	PT1246	\$ 1.05	PT4764T1	\$.80	AS7022M1	\$ 16.70	PT7055M1	\$ 1.75	AS7087M2	\$ 1.60
PT88R2	2.95	PT1491	1.60	PT4809RH1	.25	AS7023M1	18.45	AS7057M2	86.00	PT7088M1	.40
PT134NR1	.30	PT1495	3.60	PT5024S1	1.25	AS7024M1	24.50	PT7058M1	.65	PT7089M1	2.65
PT358NK1	.25	PT1496	3.95	PT5127NH1	1.35	PT7025M1	54.50	AS7059M1	3.25	PT7090M1	2.20
PT384NK1	1.40	PT1500	.25	PT5231DP1	1.78	AS7026M1	9.50	PT7060M1	.30	PT7091M1	.50
PT387NK1	.25	PT1510-1	.25	PT5232-2	1.81	AS7027M1	14.75	PT7061M1	4.25	AS7092M1	10.85
AS400NK2	17.65	PT1675FH1	.25	PT6603	.25	AS7028M1	30.00	PT7062M2	5.20	AS7092M2	11.95
PT400NK2	4.80	PT1807	.25	PT6760R1	.30	AS7028M2	25.05	PT7063M4	75.50	AS7093W32M1	43.00
PT406NT1	.85	PT1833-1	.25	AS7001M1	48.50	AS7029M2	30.50	AS7064M1	6.20	AS7093W42M1	51.00
PT489NH1	.60	PT1837-1	.25	AS7001M2	48.50	AS7030M1	7.75	AS7065M1	14.30	AS7094M1	22.85
PT493NH1	.40	PT1844-1	.25	AS7002M1	23.00	AS7031M1	7.75	AS7066M1	1.80	PT7095M1	8.20
PT502NK1	2.35	PT1857	.40	AS7003M1	13.30	AS7032M1	12.40	AS7067M1	9.85	AS7096M1	25.00
PT599T1	.25	PT2070-1	.25	PT7005M1	1.95	PT7033M1	13.10	AS7068M2	7.20	AS7097M1	16.65
PT605NK1	3.95	PT2077	.25	PT7006M1	4.75	AS7034M2	14.30	PT7069M1	10.50	PT7098M1	10.45
PT608NR1	1.40	PT2078	.35	PT7007M1	8.00	AS7035M2	34.75	AS7070M1	5.85	PT7099M1	13.65
PT610NR1	1.05	PT2085	.25	AS7008M1	7.00	PT7040M2	1.90	PT7071M1	4.55	PT7100M1	11.15
PT621NK1	4.80	CE2385	.07	PT7009M1	1.05	PT7041M1	.50	PT7072M1	1.50	PT7101M1	12.70
PT687FH1	.80	PT2385-9	.65	AS7010M1	140.00	AS7042M1	4.95	AS7073M2	4.55	PT7102M1	.75
PT840T2	.60	CE2389	.17	AS7011M1	25.75	AS7043M2	3.50	PT7074M2	2.10	PT7103M1	1.00
AS841T2	2.85	CE2390	.27	AS7012M1	6.05	AS7044M1	22.15	PT7075M1	3.10	PT7104M1	.95
PT1072-2	.30	AS3200H1	2.80	AS7013M1	18.10	AS7045M1	9.60	PT7076M1	2.25	PT7105M1	.80
PT1077TH1	.25	PT3300	.30	AS7014M1	2.90	AS7046M1	11.70	PT7077M1	3.05	PT7106M1	2.50
PT1078NK1	.25	AS3454T1	1.40	PT7015M1	1.30	AS7047M1	7.80	AS7078M1	11.85	PT7107M1	17.05
PT1080NK1	.25	PT3639LH1	.25	PT7016M1	1.10	PT7048M1	1.15	PT7079M1	.90	PT7108M1	3.90
PT1113	.25	PT4048DP1	.50	AS7017M1	11.40	PT7049M1	1.40	PT7080M1	.95	PT7109M1	.90
PT1151N1	.25	PT4570RH1	2.75	AS7018M1	10.70	AS7050M1	8.15	PT7081M1	7.60	PT7110M1	19.70
PT1224NH1	.55	PA4570RH1	6.40	PT7019M2	86.50	PT7051M1	27.00	PT7082M1	8.55	AS7111M1	10.85
PT1241	.55	PT4573RH1	2.20	PT7020M1	1.40	AS7053M1	4.05	AS7083M1	9.75	AS7112M1	2.55
PT1245	1.00	PT4575-1	23.35	AS7021M1	19.00	PT7054M1	.60	PT7086M1	2.75	AS7113M1	2.65

SOUTH BEND LATHE

SOUTH BEND, INDIANA 46623



ONE OF THE **Amsted** INDUSTRIES

Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price
AS7114M1	\$ 2.60	AS7193M1	\$ 23.00	AS7334M1	\$ 2.05	PT7407M1	\$ 1.35	AS7451M1	\$ 1.55	AS7485M1	\$ 16.05
PT7115M1	1.30	AS7194M1	17.05	PT7335M1	4.55	PT7408M1	.90	PT7452M1	6.50	AS7485M2	16.05
PT7116M1	.65	AS7195M1	16.70	PT7335M2	4.15	AS7409M1	6.20	AS7453M1	2.65	PT7486M1	1.55
PT7117M1	.75	AS7196M1	13.30	AS7336M1	4.70	PT7410M1	19.80	PT7454M1	5.90	AS7487M1	13.60
PT7119M2	1.45	AS7197M1	3.40	PT7337M1	1.05	PT7411M1	.80	PT7455M1	.45	AS7488M1	4.50
PT7119M3	1.20	AS7198M1	5.30	AS7338M1	4.15	AS7412M1	4.05	PT7456M1	4.95	PT7489M1	.25
PT7120M1	1.45	PT7199M1	4.10	PT7339M1	1.95	AS7413M1	.80	AS7457M1	2.10	PT7490M1	4.25
PT7121M1	1.35	PT7200M1	1.50	AS7340M1	2.10	AS7414M1	3.20	AS7458M1	1.60	PT7491M1	44.50
PT7122M1	.75	PT7289M1	.55	PT7341M1	.30	AS7415M1	4.20	AS7459W32M1	45.60	PT7492M2	.55
PT7123M1	1.30	PT7290M1	.40	AS7342M1	.95	AS7416M1	2.30	AS7459W42M1	56.45	PT7493M1	.60
PT7124M1	2.00	PT7291M1	.50	AS7343M1	.95	AS7417M1	2.05	AS7460W32M1	3.50	PT7494M1	.55
PT7125M1	.60	PT7292M1	.40	AS7344M1	1.10	AS7418M1	1.10	AS7460W42M1	4.25	AS7495M1	4.75
PT7127M1	.45	PT7293M1	.95	PT7345M1	.80	PT7419M1	.95	PT7461M1	4.55	AS7496M1	7.00
AS7129M1	9.90	AS7294M1	.95	PT7346M1	15.95	PT7420M1	1.40	PT7461M2	4.55	PT7497M1	2.90
AS7129M2	15.15	PT7295M2	.50	PT7354M1	1.80	PT7421M1	3.35	PT7462M1	.25	PT7498M1	1.30
PT7130M1	1.65	PT7296M1	.45	PT7357M1	6.30	PT7422M1	3.95	AS7463M1	12.85	AS7499M1	1.75
AS7131M2	2.65	PT7300M1	19.35	AS7368M1	7.95	PT7423M1	1.25	PT7464M1	.40	PT7500M2	2.60
AS7132M1	8.90	PT7301M1	26.50	AS7370M1	1.40	PT7424M1	4.60	PT7465M1	22.10	AS7501M2	8.80
PT7133M1	1.45	PT7302M1	17.65	PT7374M1	2.60	AS7425M1	3.60	AS7466M1	2.70	PT7502M1	.35
AS7134M1	2.75	PT7303M1	2.15	PT7376M1	22.00	PT7426M1	.85	AS7466M2	14.10	AS7503M1	2.95
AS7135M1	9.95	PT7304M1	1.35	AS7377M1	16.40	PT7427M1	.95	PT7467M1	.50	PT7506M1	4.75
PT7136M1	7.70	PT7305M1	1.00	AS7378M1	8.95	AS7428M1	1.80	AS7468M2	41.00	PT7507M1	4.50
PT7137M1	1.60	PA7306M1	6.75	AS7379M2	3.15	PT7429M1	1.65	PT7469M1	1.40	PT7508M1	3.75
AS7138M2	2.25	PT7307M1	1.10	AS7380M2	4.20	PT7430M1	1.20	PT7470M1	.90	PT7509M1	3.45
PT7139M1	8.75	PT7308M1	1.30	AS7381M1	3.45	PT7431M1	2.00	PT7471M1	1.20	PT7510M1	4.25
PT7152M1	97.50	PT7309M1	2.05	AXS7381M1	13.25	PT7432M1	1.55	AS7472M1	3.40	AS7511M1	5.60
AS7160M2	2.45	PT7310M1	.60	PT7382M1	1.20	AS7433M1	2.45	AS7472M2	5.55	PT7512M1	.85
AS7161M1	1.60	PT7311M1	2.90	PT7383M1	1.25	PT7434M1	.70	PT7473M1	3.35	PT7513M1	3.90
PT7162M1	3.30	PT7312M1	1.65	PT7384M1	.45	PT7435M1	20.00	PT7474M1	1.00	PT7514M1	.25
AS7163M1	194.00	AS7314M1	4.00	PT7385M1	.45	PT7436M1	20.70	AS7475M1	4.30	PT7515M1	3.50
AS7165M1	3.50	PT7315M1	.85	AS7386M1	9.10	PT7437M1	.60	PT7476M1	.50	AS7516M1	10.15
AS7166M1	3.85	AS7320M1	6.55	AS7386M2	8.30	PT7438M1	1.70	AS7477M1	5.30	PT7517M1	1.05
AS7167M1	3.85	PT7322M1	1.65	PT7387M1	1.00	PT7439M1	.45	PT7478M1	1.80	PT7518M1	.25
PT7169M1	48.50	AS7323M1	1.00	PT7388M1	1.10	PT7440M1	.50	AS7479M1	16.15	AS7519M1	4.85
PT7170M1	5.55	AS7325M1	1.70	PT7393M3	12.20	PT7441M1	3.00	AS7479M2	16.30	PT7520M1	4.40
PT7180M1	.60	PT7326M1	1.15	PT7394M1	6.70	AS7442M1	7.15	PT7480M1	.70	AS7521M1	6.95
PT7182M1	.85	PT7327M1	1.00	PT7395M1	1.35	PT7443M1	4.00	PT7481M1	.70	AS7522M1	4.00
PT7183M1	1.75	PT7328M1	.90	PT7396M1	.70	PT7444M1	2.55	AS7482M1	7.25	AS7523M1	2.25
PT7187M1	.25	PT7329M1	7.55	PT7397M1	.80	PT7445M1	1.95	PT7482M2	6.55	AS7524M1	2.10
AS7189M1	11.40	AS7330M1	5.45	PT7398M1	.50	AS7446M1	6.50	AS7483M1	5.95	PT7525M1	7.50
AS7190M1	10.70	PT7331M1	26.75	AS7400M1	1.75	PT7447M1	12.55	AS7483M2	6.00	PT7526M1	1.25
AS7191M1	22.85	PT7332M2	31.50	PA7401M1	3.65	PT7448M1	1.00	AS7484M2	2.00	PT7527M1	3.90
AS7192W32M1	42.75	AS7333M1	4.65	PA7402M1	1.80	AS7449M1	7.50	AXS7484M2	50.25	PT7528M1	2.90
AS7192W42M1	51.00	AS7333M2	4.45	PT7406M1	3.20	AS7450M1	2.75	PT7484M1	1.75	PT7529M1	11.05

Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price
PT7530M1.....	\$ 6.75	AS7538M1.....	\$ 2.65	PT7582W8-41.....	\$ 1.00	PT7588W14-15.....	\$.55	PT7713M1.....	\$ 2.65	PT7721M1.....	\$ 1.95
PT7531M1.....	1.90	AS7539M1.....	1.80	PT7582W8-46.....	1.00	PT7588W14-35.....	.55	PT7714M1.....	9.35	PT7722M1.....	.80
PT7532M1.....	5.85	PT7540M1.....	1.80	PT7582W8-51.....	1.00	PT7592W22-10.....	.55	PT7715M1.....	16.30	AS7723M1.....	2.30
PT7533M1.....	10.10	PT7541M1.....	1.20	PT7584W10-10.....	.55	PT7592W22-15.....	.55	PT7716M1.....	16.30	AS7724M1.....	1.80
PT7534M1.....	.60	PT7548M2.....	3.00	PT7584W10-15.....	.55	PT7592W22-35.....	.55	PT7717M1.....	.25	PT7725M1.....	2.50
PT7535M1.....	.60	PT7566M1.....	1.00	PT7584W10-35.....	.55	PT7710M1.....	38.25	PT7718M1.....	.55	PT7726M1.....	2.00
AS7536M1.....	2.20	PT7574M1.....	12.20	PT7588W14-5.....	.55	AS7711M1.....	46.60	AS7719M1.....	5.95	AS7727M1.....	10.00
AS7537M1.....	2.40	PT7577-2-A.....	Price on request	PT7588W14-10.....	.55	AS7712M1.....	10.70	PT7720M1.....	1.20	PT7728-1.....	1.10

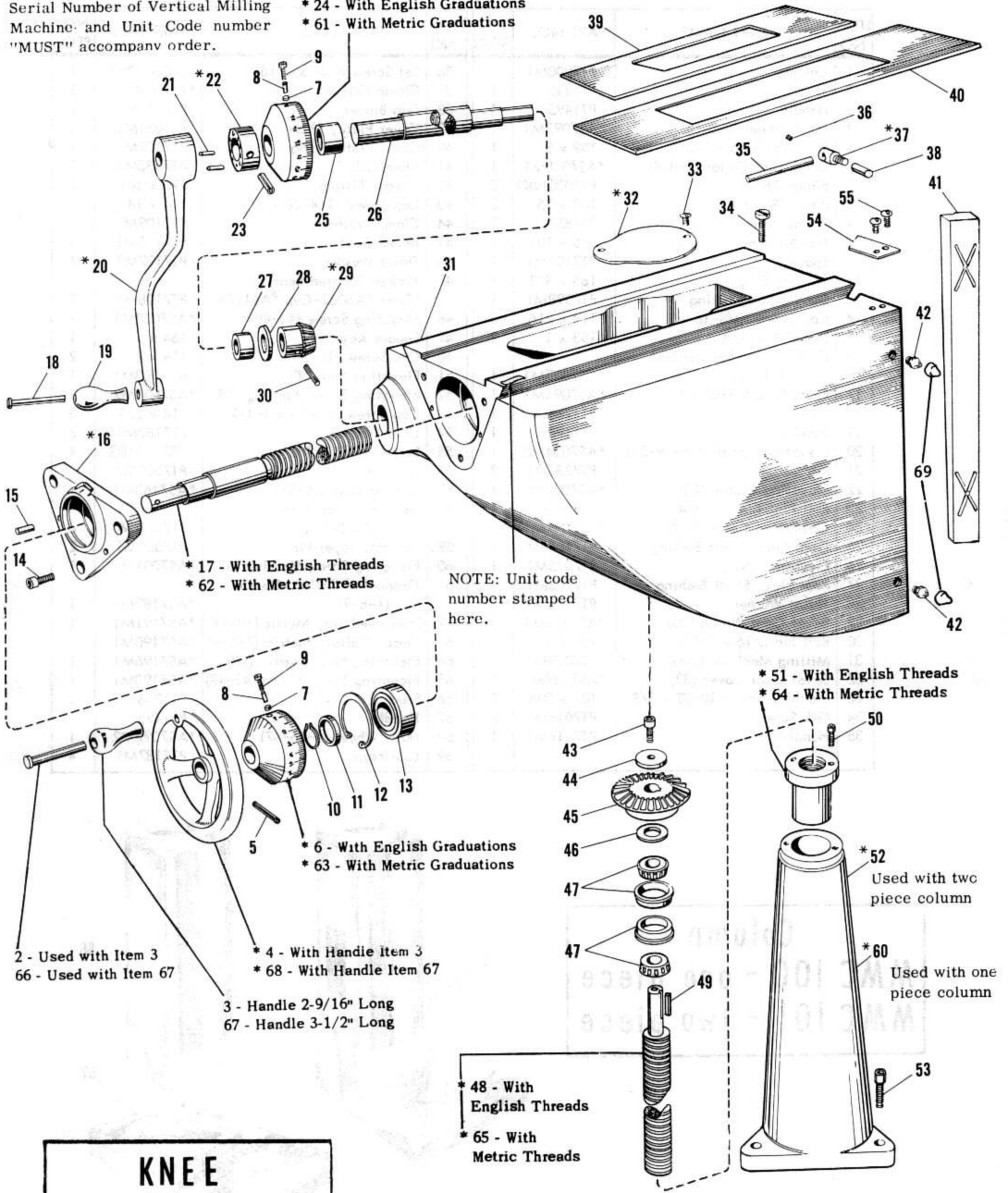
COMMERCIALY AVAILABLE HARDWARE

PART NO.	SIZE	PRICE	PART NO.	SIZE	PRICE	PART NO.	SIZE	PRICE
ROUND HEAD MACHINE SCREW			HEXAGON HEAD CAP SCREW			HOLLOW HEAD CUP POINT SET SCREW (Cont.)		
101 x 106	8-32 x 3/8"	\$.25	112 x 224	3/8 - 16 x 1-1/2"	\$.25	120 x 906	10 - 32 x 3/8"	\$.25
101 x 108	8-32 x 1/2"	.25	112 x 436	1/2 - 13 x 2-1/4"	.25	120 x 1003	8 - 32 x 3/16"	.25
101 x 303	10-32 x 3/16"	.25	KNURLED SOCKET HEAD CAP SCREW			121 x 112	1/4 - 20 x 3/4"	.30
101 x 306	10-32 x 3/8"	.25	114 x 2	10-24 x 5/8"	.25	121 x 212	3/8 - 16 x 3/4"	.25
101 x 310	10-32 x 5/8"	.25	114 x 10	1/4 - 20 x 5/8"	.35	121 x 1008	10 - 32 x 1/2"	.25
101 x 606	1/4 - 20 x 3/8"	.25	114 x 12	1/4 - 20 x 3/4"	.35	HOLLOW HEAD FLAT POINT SET SCREW		
101 x 608	1/4 - 20 x 1/2"	.25	114 x 14	1/4 - 28 x 3/4"	.35	126 x 706	3/8 - 16 x 3/8"	.25
FLAT HEAD MACHINE SCREW			114 x 16	1/4 - 20 x 1"	.35	126 x 757	7/16 - 20 x 7/16"	.25
103 x 6	6-32 x 3/8"	.25	114 x 113	5/16 - 24 x 3/4"	.30	SELF TAPPING & DRIVE SCREW		
103 x 106	8-32 x 3/8"	.25	114 x 114	5/16 - 18 x 7/8"	.30	130 x 3	#0 x 3/16"	\$.25
103 x 112	8-32 x 3/4"	.25	114 x 214	3/8 - 16 x 7/8"	.35	130 x 103	#4 x 3/16"	.25
103 x 614	1/4 - 20 x 7/8"	.25	114 x 216	3/8 - 16 x 1"	.50	ROUND HEAD METAL THREAD CUTTING SCREW		
PHILLIPS FLAT HEAD MACHINE SCREW			114 x 226	3/8 - 24 x 1-1/2"	.50	132 x 2	4 - 40 x 1/4"	.25
104 x 206	6-32 x 3/8"	.25	114 x 228	3/8 - 16 x 1-3/4"	.50	132 x 100	2 - 56 x 3/16"	.25
PHILLIPS TRUSS HEAD MACHINE SCREW			114 x 424	1/2 - 13 x 1-1/2"	.70	132 x 1101	6 - 32 x 1/4"	.25
105 x 6	10-32 x 3/8"	.25	114 x 464	1/2 - 13 x 4"	1.05	132 x 1103	6 - 32 x 3/8"	.25
105 x 608	1/4 - 20 x 1/2"	.25	114 x 605	10-32 x 5/16"	.25	"POP" RIVET		
FILLISTER HEAD CAP SCREW			114 x 712	10 - 32 x 5/8"	.30	134 x 4	1/8" x 1/4"	.25
111 x 6	1/4 - 20 x 3/8"	\$.25	114 x 714	6 - 32 x 3/8"	.30	HEX NUTS		
			HOLLOW HEAD CUP POINT SET SCREW			138 x 23	1/4 - 20 x 1/2 x 15/64"	.25
			120 x 4	1/4 - 20 x 1/4"	.25	HEX JAM NUTS		
			120 x 5	1/4 - 20 x 5/16"	.25	139 x 27	* 3/8 - 16 x 11/16 x 5/64"... (PT1072-3)	
			120 x 6	1/4 - 20 x 3/8"	.25	139 x 32	* 1/2 - 20 x 3/4 x 5/16"... (PT1056NH1)	
			120 x 8	1/4 - 20 x 1/2"	.25			
			120 x 903	10 - 32 x 3/16"	.25			
			120 x 904	10 - 32 x 1/4"	.25			

PART NO.	SIZE	PRICE	PART NO.	SIZE	PRICE	PART NO.	SIZE	PRICE
PIPE PLUG			COIL SPRING (SPRING WIRE)			STEEL BALLS HARDENED		
152 x 62	1/4" - 18 NPT	\$.35	162 x 5	15/64 x 1/2"	\$.25	172 x 12	3/16"	\$.25
152 x 63	3/8" - 18 NPT	.45	162 x 7	19/64 x 1-1/8"	.30	172 x 16	1/4"	.25
STEEL DOWEL PINS H & G			162 x 25	5/16 x 3/4"	.25	172 x 20	5/16"	.25
153 x 1	1/4 x 1"	.30	162 x 27	3/32 x 9/16"	.35	172 x 24	3/8"	.25
153 x 3	3/16 x 1/2"	.35	162 x 35	11/32 x 1"	.25	LOCK WASHERS (KANTLINK SPLIT TYPE)		
OILER			162 x 37	47/64 x 1-1/2"	.25	180 x 300	1/4"	.25
155 x 14	Ball Valve 523	.30	162 x 49	11/32 x 1"	.30	182 x 104	#10 (Bolt Sizes)	.25
155 x 17	Ball Valve 521	.25	162 x 50	27/64 x 1-1/32"	.25	183 x 103	#8 (Bolt Sizes)	.25
155 x 20	Gits 501	.30	162 x 62	19/64 x 1/2"	.35	ALLEN NUT		
GROOVE PINS			KEY BOTH ENDS ROUND			187 x 101	3/8" - 16	.55
158 x 1	3/16 x 9/16"	.25	163 x 31	1/4 x 1/4 x 1-5/32"	.45	187 x 102	1/2" - 13	.85
ROLL PINS			163 x 32	1/4 x 1/4 x 1-1/2"	.50	187 x 103	5/16" - 24	.55
159 x 1	5/64 x 3/4"	.25	KEY ONE END ROUND			FLEX-LOC NUT		
159 x 2	1/8 x 1/2"	.25	164 x 9	3/16 x 3/16 x 7/8"	.35	187 x 201	5/16" - 24	.25
159 x 3	3/16 x 13/16"	.25	TRUARC RETAINING RINGS			ALEMITE GREASE FITTING		
159 x 5	3/16 x 1-3/8"	.25	165 x 1	5100 - 98	.25	190 x 1610	#1610B	.30
159 x 6	1/4 x 1-3/4"	.25	165 x 2	5100 - 262	.75	190 x 1641	#1641	.25
159 x 7	5/16 x 1-3/4"	.25	165 x 18	5100 - 18	.25	"O" RINGS		
159 x 8	3/32 x 3/8"	.25	165 x 62	5100 - 62	.25	193 x 3	3/16 x 5/16 x 1/16"	.25
159 x 9	1/8 x 3/4"	.25	165 x 100	5100 - 100	.25	193 x 5	1/4 x 3/8 x 1/16"	.25
STRAIGHT PINS (CRS)			165 x 101	5102 - 100	.35	193 x 7	3/8 x 1/2 x 1/16"	.25
160 x 1	3/32 x 3/16"	.25	165 x 102	5102 - 177	.50	193 x 10	1/2 x 11/16 x 3/32"	.25
160 x 4	3/32 x 3/8"	.25	165 x 103	5102 - 262	.90	193 x 16	3/4 x 1 x 1/8"	.25
160 x 16	1/8 x 3/16"	.25	165 x 201	5108 - 50	.25	193 x 22	7/8 x 1-1/8 x 1/16"	.25
160 x 19	1/8 x 3/8"	.25	165 x 301	5000 - 206	.50	193 x 24	1-1/8 x 1-1/4 x 1/16"	.40
160 x 25	1/8 x 3/4"	.25	165 x 302	5000 - 334	1.00	193 x 24	1-1/8 x 1-1/4 x 1/16"	.40
160 x 27	1/8 x 7/8"	.25	165 x 302	5000 - 334	1.00	193 x 133	1-13/16 x 2 x 3/32"	.45
160 x 31	1/8 x 1-1/8"	.25	165 x 401	5002 - 334	1.60	193 x 134	1-7/8 x 2-1/16 x 3/32"	.45
160 x 42	1/8 x 5/32"	.25	165 x 402	5002 - 244	.75	WIRE CABLE		
160 x 47	* 3/16 x 7/16" (PT1826-1)		165 x 501	5008 - 75	.25	250 x 3	#14 - 4 Wire	.40
160 x 252	1/2 x 1-1/2"	.80	165 x 601	5107 - 212	.70	250 x 7	#16 - 2 Wire	.25
160 x 266	1/2 x 1-5/8"	.30	165 x 775	5005 - 75	.25	250 x 13	#12 - 3 Wire	1.10
			165 x 800	5103 - 31	.25	FELT WICK		
			165 x 801	5103 - 75	.25	256 x 1	1/16 x 1/8"	.25
			FLAT STEEL WASHERS			256 x 3	3/32" x 3/16"	.25
			166 x 6	1/4 x 1/16 x 5/8"	.25			
			STEEL TAPER PINS					
			168 x 208	#1 x 1"	.25			

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

* 24 - With English Graduations
* 61 - With Metric Graduations

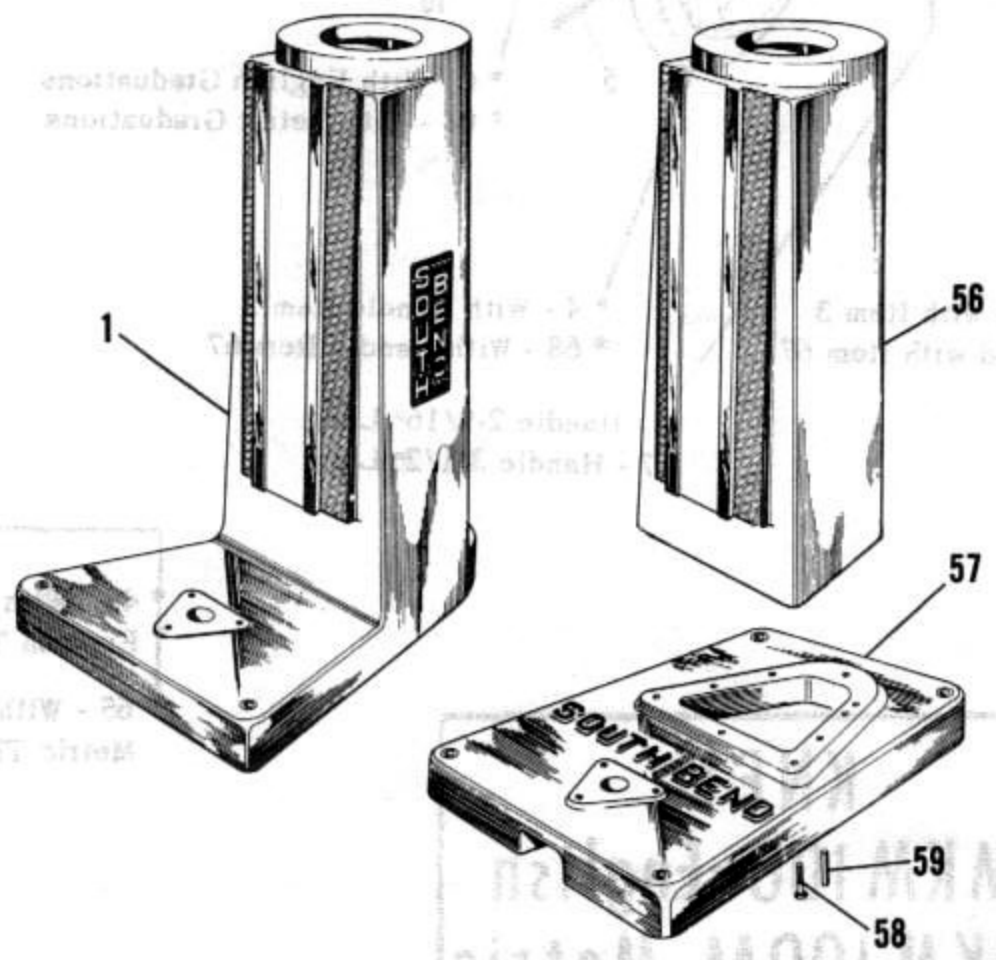


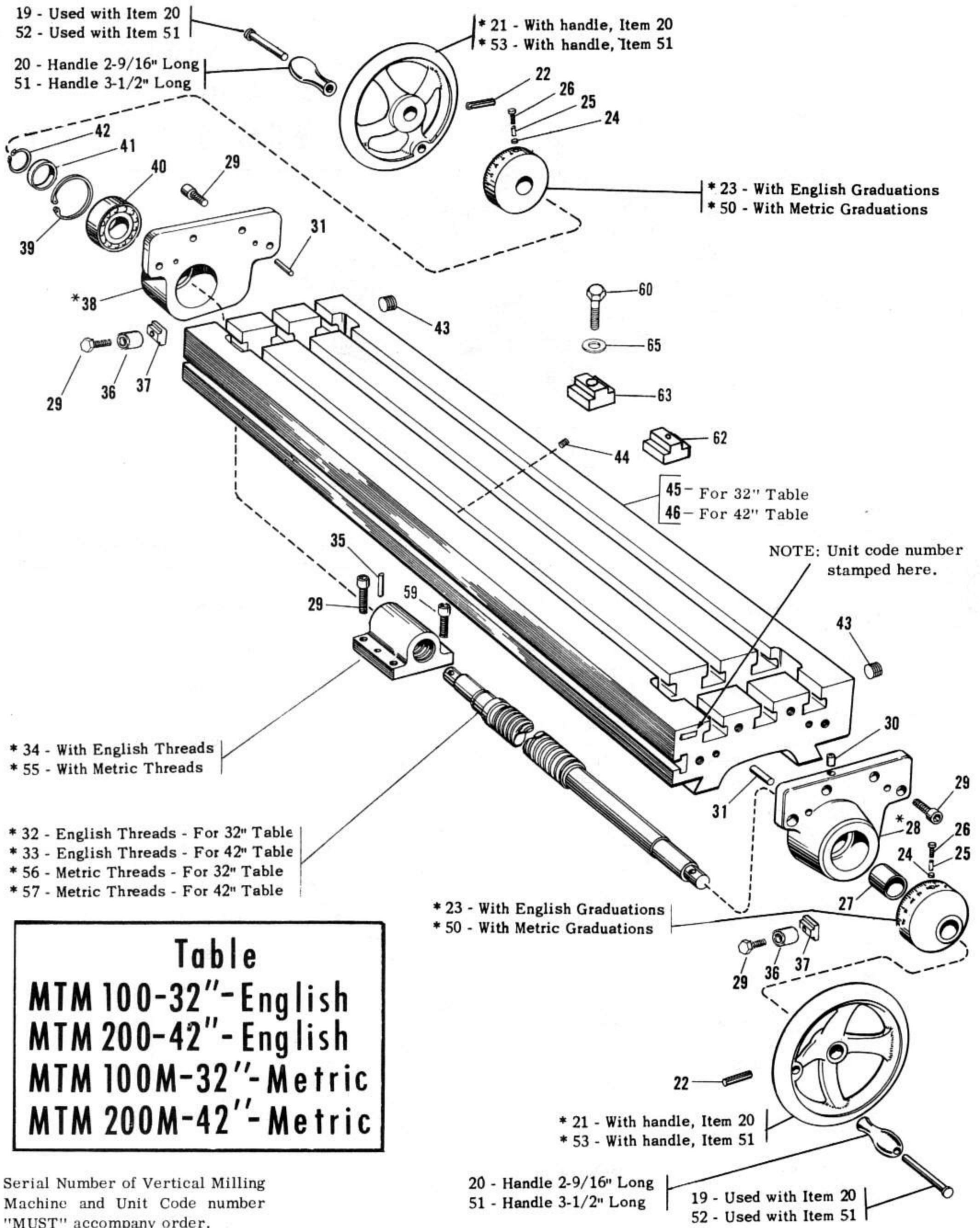
KNEE
MKM 100-English
MKM 100M-Metric

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

ITEM NO	PART NAME	PART NO.	NO. REQ.	ITEM NO	PART NAME	PART NO.	NO. REQ.
1	Column	PT7000M1		36	Set Screw 8-32 x 3/16	120 x 1003	1
2	Stud	PT1245	1	37	Clamp (35-36)	*AS7114M1	1
3	Handle	PT1495	1	38	Gib Binder	PT7117M1	1
4	Hand Wheel (2-3-5)	*AS7092M1	1	39	Cover Plate, Short	PT7081M1	1
5	Roll Pin 3/16 x 1-3/8	159 x 5	1	40	Cover Plate, Long	PT7082M1	1
6	Graduated Collar (7-8-9)	*AS7018M1	1	41	Knee Gib	PT7033M1	1
7	Binder Shoe	PT1080NK1	2	42	Grease Fitting	190 x 1610	4
8	Pin 1/8 x 3/4	160 x 25	2	43	Cap Screw 1/4-28 x 3/4	114 x 14	1
9	Thumb Screw	PT1857	2	44	Clamp Washer	PT7109M1	1
10	Tru-Arc Ring	165 x 101	1	45	Bevel Gear	PT7110M1	1
11	Spacer	PT7102M1	1	46	Thrust Washer	PT7107M1	1
12	Tru-Arc Ring	165 x 402	1	47	Timken Tapered Bearing (Cone #A6062-Cup #A6157B)	PT7108M1	2
13	Double Row Bearing	PT7098M1	1	48	Elevating Screw (43-49)	*AS7002M1	1
14	Cap Screw 3/8-16 x 1	114 x 216	3	49	Square Key	164 x 9	1
15	Dowel Pin 1/4 x 1	153 x 1	2	50	Cap Screw 10-24 x 5/8	114 x 2	2
16	C. F. Screw Bearing Brkt. (14-15)	*AS7027M1	1	51	Elevating Nut (50)	*AS7003M1	1
17	Cross Feed Screw (10-11)	*AS7094M1	1	52	Elevating Screw Housing (53)	*AS7001M2	1
18	Stud	PT1246	1	53	Cap Screw 3/8-16 x 1-1/2	114 x 224	3
19	Handle	PT1496	1	54	Chip Scraper	PT7182M1	2
20	Elevating Handle (18-19-21)	*AS7034M2	1	55	Screw 6-32 x 3/8	132 x 1103	4
21	Pin	PT7288M1	2	56	Column	PT7000M2	
22	Elevating Clutch (23)	*AS7008M1	1	57	Column Base (58-59)	*AS7163M1	1
23	Roll Pin 1/4 x 1-3/4	159 x 6	1	58	Hex. Hd. Cap Screw 1/2-13 x 2-1/4	112 x 436	6
24	Graduated Collar (7-8-9)	*AS7017M1	1	59	Sq. Hd. Taper Pin	PT7009M1	2
25	Front Elev. Shaft Bushing	PT7103M1	1	60	Elevating Screw Housing (53)	*AS7001M1	1
26	Elevating Shaft	PT7095M1	1	61	Graduated Collar, Metric (7-8-9)	*AS7189M1	1
27	Rear Elev. Shaft Bushing	PT7105M1	1	62	Cross Feed Scr, Metric (10-11)	*AS7191M1	1
28	Thrust Washer	PT7106M1	1	63	Grad. Collar, Metric (7-8-9)	*AS7190M1	1
29	Bevel Gear Pinion (30)	*AS7111M1	1	64	Elevating Nut, Metric (50)	*AS7196M1	1
30	Roll Pin 3/16 x 1-1/8	159 x 4	1	65	Elevating Scr., Metric(43-49)	*AS7193M1	1
31	Milling Machine Knee	PT7039M1		66	Stud	PT1246	1
32	Bevel Gear Cover (33)	*AS7134M1	1	67	Handle	PT1496	
33	Machine Screw 10-32 x 3/8	101 x 306	2	68	Hand Wheel (5-66-67)	*AS7092M2	1
34	Gib Screw	PT7016M1	2	69	Lubricaps	PT7187M1	4
35	Handle	PT7116M1	1				

Column
MMC 100 - one piece
MMC 101 - two piece





19 - Used with Item 20
 52 - Used with Item 51
 20 - Handle 2-9/16" Long
 51 - Handle 3-1/2" Long

* 21 - With handle, Item 20
 * 53 - With handle, Item 51

* 23 - With English Graduations
 * 50 - With Metric Graduations

NOTE: Unit code number stamped here.

* 34 - With English Threads
 * 55 - With Metric Threads

* 32 - English Threads - For 32" Table
 * 33 - English Threads - For 42" Table
 * 56 - Metric Threads - For 32" Table
 * 57 - Metric Threads - For 42" Table

* 23 - With English Graduations
 * 50 - With Metric Graduations

Table	
MTM 100-32"	- English
MTM 200-42"	- English
MTM 100M-32"	- Metric
MTM 200M-42"	- Metric

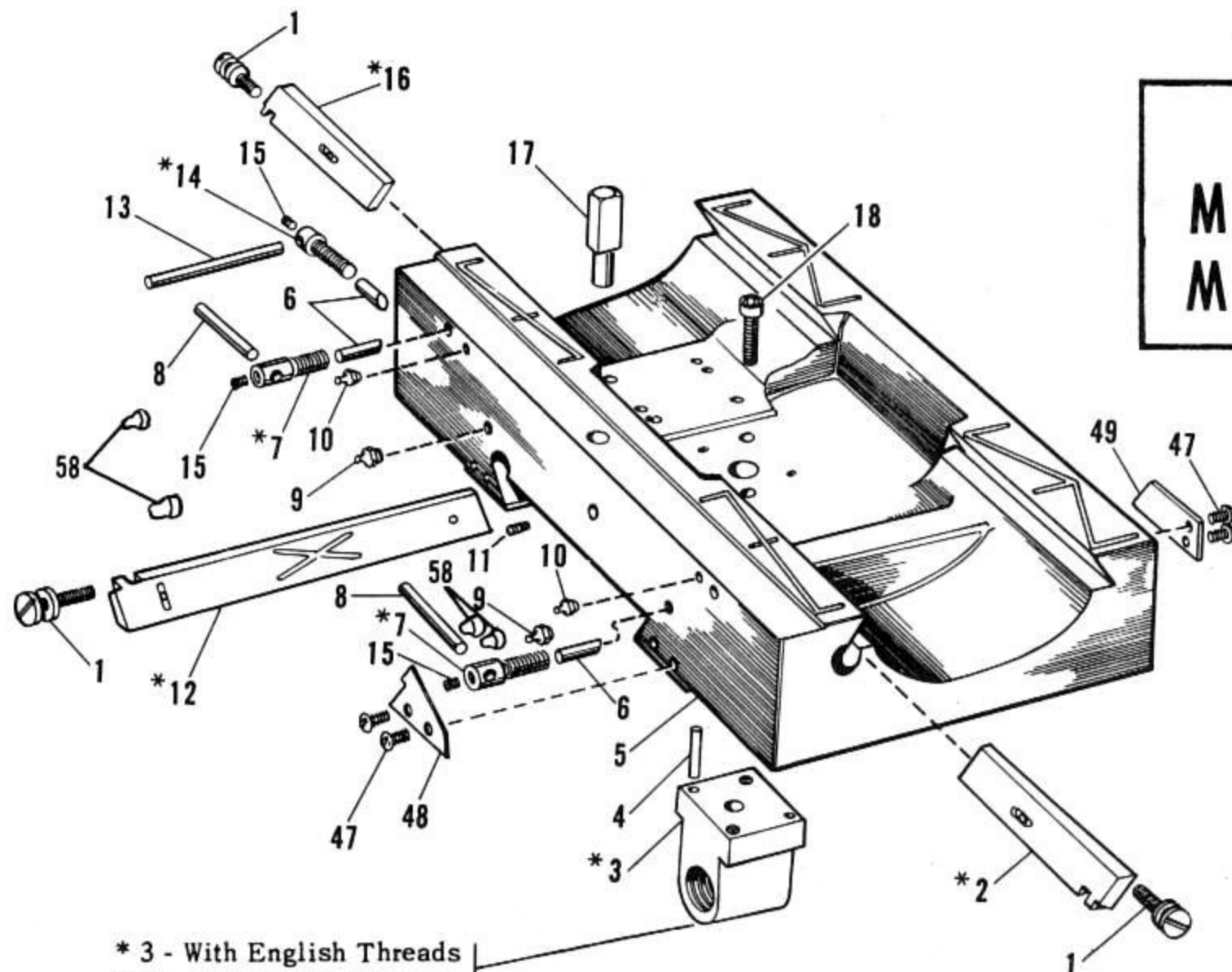
Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

20 - Handle 2-9/16" Long
 51 - Handle 3-1/2" Long

19 - Used with Item 20
 52 - Used with Item 51

* 21 - With handle, Item 20
 * 53 - With handle, Item 51

*AVAILABLE ONLY AS SUB-ASSEMBLY. PARTS INCLUDED ARE INDICATED BY THE ITEM NUMBERS APPEARING IN PARENTHESIS AFTER PART NAME.



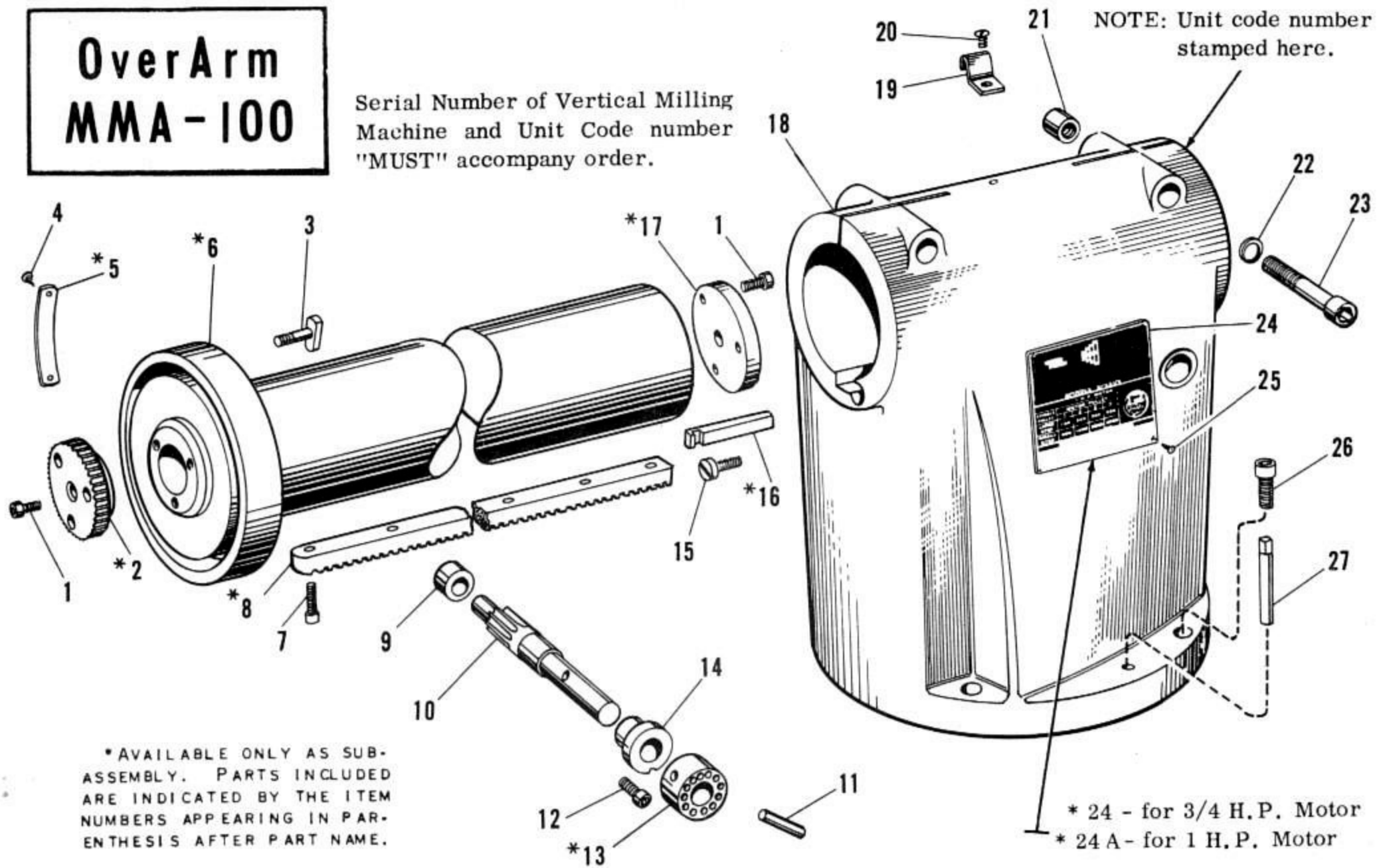
* 3 - With English Threads
 * 54 - With Metric Threads

NOTE: When ordering replacement parts for saddle specify code number stamped on knee, sheet Form No. 969A.

ITEM NO.	PART NAME	PART NO.	NO. REQ.	ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Gib Screw	PT7015M1	3	34	Table Nut (29-35)	*AS7022M1	1
2	Right Hand Table Gib (1)	*AS7030M1	1	35	Straight Pin	PT1833-1	2
3	Cross Feed Nut (4-18)	*AS7021M1	1	36	Table Stop	PT7119M3	2
4	Straight Pin	PT1833-1	2	37	"T" Slot Nut	PT7120M1	2
5	Milling Machine Saddle	PT7038M1	1	38	Left Hd. Table Bearing Brkt. (29-31)	*AS7028M1	1
6	Gib Binder	PT7117M1	3	39	Tru-Arc Ring	165 x 402	1
7	Clamp (8-15) (Power Fd)	*AS7114M1	2	40	Double Row Ball Bearing N. D. 55605	PT7098M1	1
7	Clamp (8-15) (Hand Fd)	*AS7438M1	2	41	Spacer	PT7102M1	1
8	Handle	PT7115M1	2	42	Tru-Arc Ring	165 x 101	1
9	Allemitte Fitting	190 x 1641	4	43	Pipe Plug 3/8-18 Hex. Soc.	152 x 63	2
10	Allemitte Fitting	190 x 1641	4	44	Set Screw 1/4-20	120 x 4	1
11	Screw	120 x 4	1	45	Milling Machine Table	PT7036M232	1
12	Saddle Gib (1)	*AS7032M1	1	46	Milling Machine Table	PT7036M242	1
13	Handle	PT7116M1	1	47	Screw 6-32 x 3/8	132 x 1103	8
14	Clamp (13-15)	*AS7113M1	1	48	Chip Scraper	PT7183M1	2
15	Set Screw 8-32 x 3/16	120 x 1003	3	49	Chip Scraper	PT7182M1	2
16	Left Hand Table Gib (1)	*AS7031M1	1	50	Graduated Collar, Metric (24-25-26)	*AS7190M1	2
17	Table Stop Pin	PT7130M1	1	51	Handle	PT1496	2
18	Cap Screw 3/8-16 x 1	114 x 216	2	52	Stud	PT1246	2
19	Stud	PT1245	2	53	Hand Wheel (22-51-52)	*AS7092M2	2
20	Machine Handle	PT1495	2	54	Cross Feed Nut Metric (4-18)	*AS7194M1	1
21	Hand Wheel (19-20-22)	*AS7092M1	2	55	Table Nut, Metric (29-35)	*AS7195M1	1
22	Roll Pin 3/16 x 1-3/8	159 x 5	2	56	Table Screw, Metric (41-42)	*AS7192M132	1
23	Graduated Collar (24-25-26)	*AS7018M1	2	57	Table Screw, Metric (41-42)	*AS7192M142	1
24	Binder Shoe	PT1080NK1	2	58	Lubricaps	PT7187M1	6
25	Straight Pin 1/8 x 3/4	160 x 25	2	59	Cap Screw 3/8-16 x 7/8	114 x 214	2
26	Thumb Screw	PT1857	2	60	Cap Screw 1/2-13 x 1-3/4	112 x 428	2
27	Table Screw Bushing	PT7104M1	1	61	Cap Screw 3/8-16 x 1-1/2	112 x 224	2
28	Rt. Hd. Table Bearing Brkt. (29-30-31)	*AS7029M2	1	62	Tee Nut	7171M1	2
29	Cap Screw 3/8-16 x 1	112 x 224	14	63	Tee Nut	7172M1	2
30	Gits Oiler	155 x 17	1	64			2
31	Dowel Pin	153 x 1	4	65	Washer	161 x 30	2
32	Table Screw (41-42)	*AS7093M132	1	66	Set Screw #6-32	114 x 713	2
33	Table Screw (41-42)	*AS7093M142	1				

Over Arm MMA-100

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

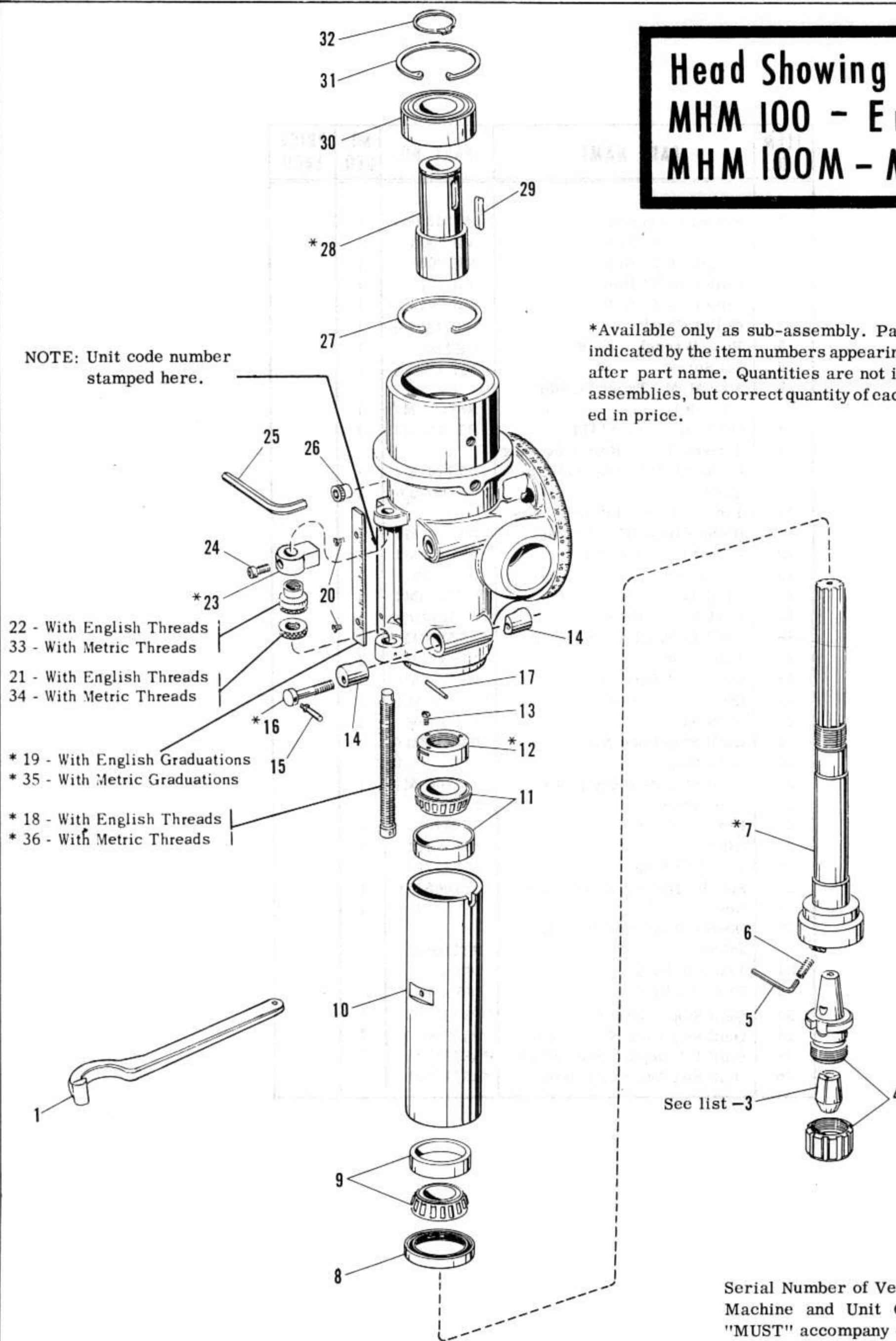


ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Cap Screw 1/4-20 x 3/4	114 x 12	6
2	Head Rotation Gear (1)	*AS7013M1	1
3	Head Mounting "T" Bolt	PT7076M1	4
4	Self Tapping Screw	132 x 1101	4
5	Vernier Plate (4)	*AS7138M2	2
6	Over Arm (8)	*AS7010M1	1
7	Cap Screw 1/4-20 x 5/8	114 x 10	6
8	Over Arm Rack (7)	*AS7011M1	1
9	Rack Pinion Bushing	PT7005M1	1
10	Over Arm Pinion	PT7007M1	1
11	Roll Pin 1/4 x 1-3/4	159 x 6	1
12	Cap Screw 1/4-20 x 5/8	114 x 10	1
13	Elevating Clutch (11)	*AS7008M1	1
14	Rack Pinion Flanged Bushing	PT7006M1	1
15	Gib Screw	PT7016M1	1
16	Over Arm Gib (15)	*AS7014M1	1
17	Cover Plate (1)	*AS7012M1	1
18	Over Arm Support	PT7004M1	1
19	Conduit Clamp	SE9000	1
20	Machine Screw	101 x 604	1
21	Allenut 1/2-13	187 x 102	2
22	Hard Washer	PT7020M1	2
23	Cap Screw 1/2-13 x 4	114 x 464	2
24	Spindle Speed Plate (25)	*AS7160M1	1
24A	Spindle Speed Plate (25)	*AS7161M1	1
25	Pop Rivet 1/8 x 1/4	134 x 4	4
26	Cap Screw 1/2-13 x 1-1/2	114 x 424	4
27	Sq. Hd. Taper Pin	PT7009M1	2

**Head Showing Spindle
MHM 100 - English
MHM 100M - Metric**

NOTE: Unit code number stamped here.

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.

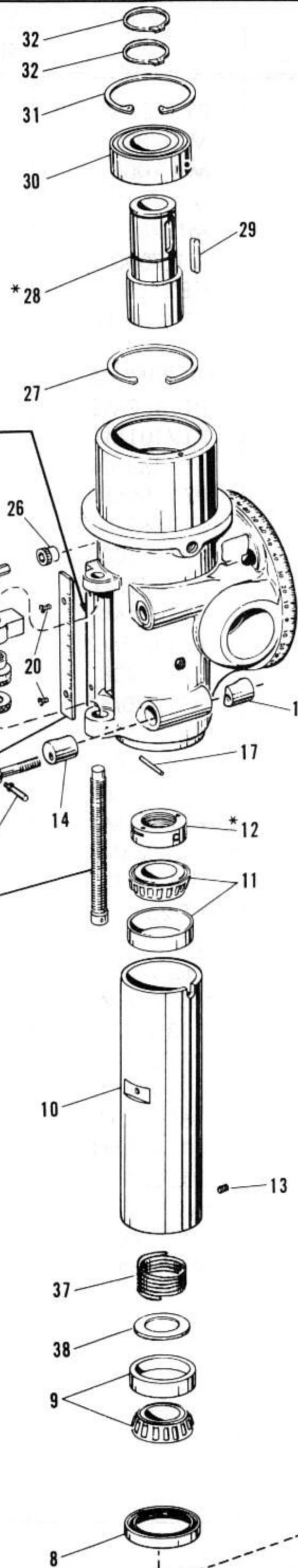


- 22 - With English Threads
- 33 - With Metric Threads
- 21 - With English Threads
- 34 - With Metric Threads
- * 19 - With English Graduations
- * 35 - With Metric Graduations
- * 18 - With English Threads
- * 36 - With Metric Threads

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

Continued On Reverse Side.

ITEM NO.	PART NAME	PART NO.	NO. REQ.	PRICE EACH
1	Spanner Wrench	PT7139M1	1	
3	Collet, 3/8" Hole	MIL7006	1	
	Collet, 1/2" Hole	MIL7008	1	
	Collet, 5/8" Hole	MIL7010	1	
	Collet, 3/4" Hole	MIL7012	1	
4	Collet Chuck	PT7152M1	1	
5	Hex. Wrench - 5/16"	CE2385	1	
6	Set Screw	121 x 112	2	
7	# 30 M. M. Taper Spindle (6-8-9)	*AS7057 M1	1	
8	Oil Seal, Gar. #1474	PT7162M1	1	
9	Timken Taper Roller Bearing (Cone #13685, Cup #13621)	PT7101M1	1	
10	Quill	PT7063M3	1	
11	Timken Taper Roller Bearing (Cone #1680, Cup #1620)	PT7100M1	1	
12	Adjusting Nut (13)	*AS7062 M1	1	
13	Cap Screw	110 x 10	1	
14	Quill Lock Clamp	PT7075M1	1	
15	Lock Screw Handle	PT7074M2	1	
16	Quill Lock Clamp Screw (15)	*AS7073M2	1	
17	Taper Pin	168 x 208	1	
18	Quill Stop Screw (17)	*AS7070 M1	1	
19	Quill Feed Depth Scale (20)	*AS7059M 1	1	
20	Machine Screw	104 x 206	1	
21	Quill Stop Lock Nut	PT7072M1	1	
22	Quill Stop	PT7071M1	1	
23	Quill Stop And Key (24)	*AS 7064M1	1	
24	Cap Screw	114 x 113	1	
25	Hex. Wrench	CE2390	1	
26	Allenut	187 x 101	4	
27	Tru-Arc Ring	165 x 302	1	
28	Spindle Driving Sleeve (29)	*AS7065M1	1	
29	Key	163 x 32	1	
30	Double Row Bearing N. D. 55509	PT7099M1	1	
31	Tru-Arc Ring	165 x 401	1	
32	Tru-Arc Ring	165 x 102	1	
33	Quill Stop - Metric	PT7199M1	1	
34	Quill Stop Lock Nut - Metric	PT7200M1	1	
35	Quill Fd. Depth Scale (20) Met.	*AS7197M1	1	
36	Quill Stop Scr. (17) Metric	*AS7198M1	1	



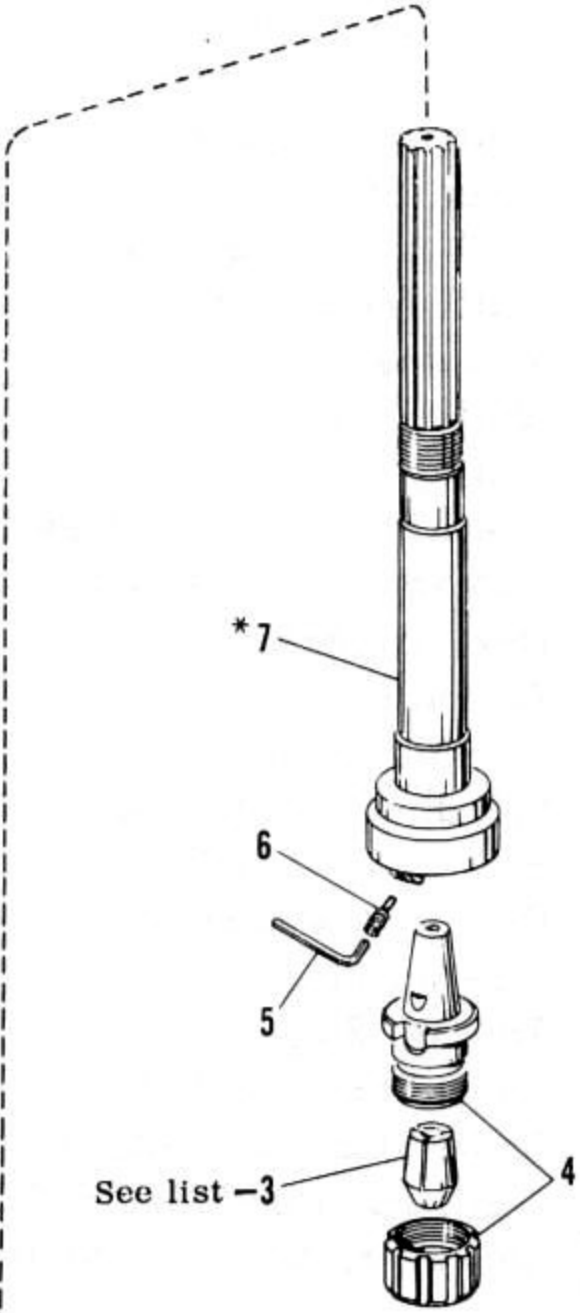
NOTE: Unit code number stamped here.

- 22 - With English Threads
- 33 - With Metric Threads
- 21 - With English Threads
- 34 - With Metric Threads
- * 19 - With English Graduations
- * 35 - With Metric Graduations
- * 18 - With English Threads
- * 36 - With Metric Threads

HEAD - Showing The Spindle

MHM101 - English, Power Feed
 MHM102 - English, Hand Feed
 MHM101M - Metric, Power Feed
 MHM102M - Metric, Hand Feed

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.



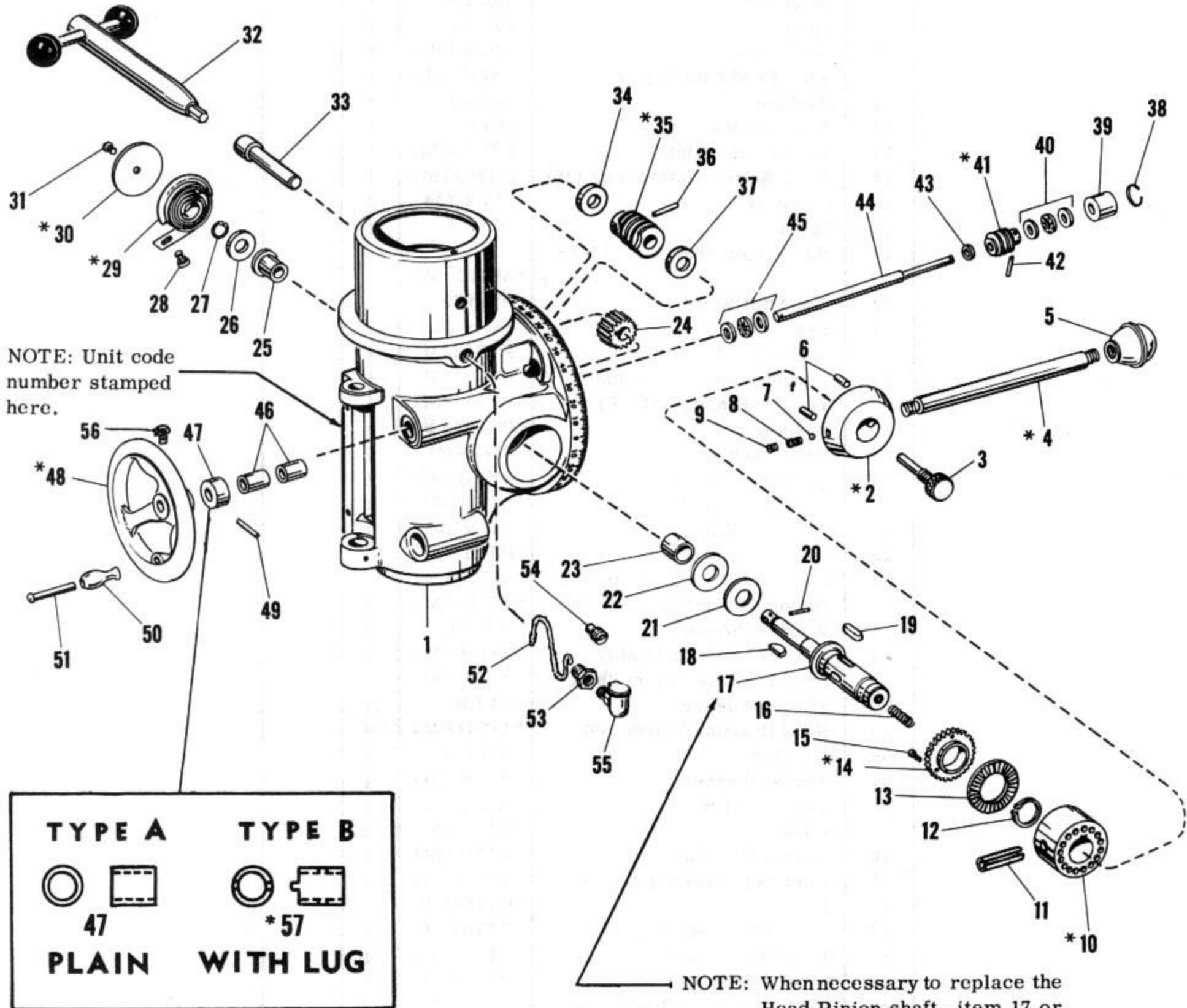
See list -3

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Spanner Wrench	PT7139M1	1
3	Collet, 3/8" Hole	MIL7006	1
	Collet, 1/2" Hole	MIL7008	1
	Collet, 5/8" Hole	MIL7010	1
	Collet, 3/4" Hole	MIL7012	1
4	Collet Chuck	MIL7000	1
5	Hex. Wrench	CE2385	1
6	Set Screw	PT7318M1	2
7	# 30 M.M. Taper Spindle (6-8-9)	*AS 7057M2	1
8	Oil Seal	PT7162M2	1
9	Timken Taper Roller Bearing	PT7101M1	1
10	Quill	PT7063M4	1
11	Timken Taper Roller Bearing	PT7100M1	1
12	Adjusting Nut	PT7062M2	1
13	Set Screw 8-32 x 3/16	120 x 1003	1
14	Quill Lock Clamp	PT7075M1	1
15	Lock Screw Handle	PT7074M2	1
16	Quill Lock Clamp Screw (15)	*AS 7073M2	1
17	Taper Pin	168 x 208	1
18	Quill Stop Screw (17)	*AS 7070M1	1
19	Quill Feed Depth Scale (20)	*AS 7059M1	1
20	Machine Screw	104 x 206	1
21	Quill Stop Lock Nut	PT7072M1	1
22	Quill Stop	PT7071M1	1
23	Quill Stop And Key (24)	*AS 7064M1	1
24	Cap Screw 5/16-24 x 3/4	114 x 113	1
25	Hex. Wrench	CE 2390	1
26	Allenut	187 x 101	4
27	Tru-Arc Ring	165 x 302	1
28	Spindle Driving Sleeve (29)	*AS 7065M1	1
29	Key 1/4 x 1-1/2	163 x 32	1
30	Double Row Bearing	PT7099M1	1
31	Tru-Arc Ring	165 x 401	1
32	Tru-Arc Ring	165 x 102	2
33	Quill Stop - Metric	PT7199M1	1
34	Quill Stop Nut - Metric	PT7200M1	1
35	Quill Fd. Depth Scale (20) Met.	*AS 7197M1	1
36	Quill Stop Scr. (17) Metric	*AS 7198M1	1
37	Spring	PT7292M1	1
38	Spindle Ring	PT7293M1	1

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

**Head
MHM 100-English
MHM 100 M-Metric**



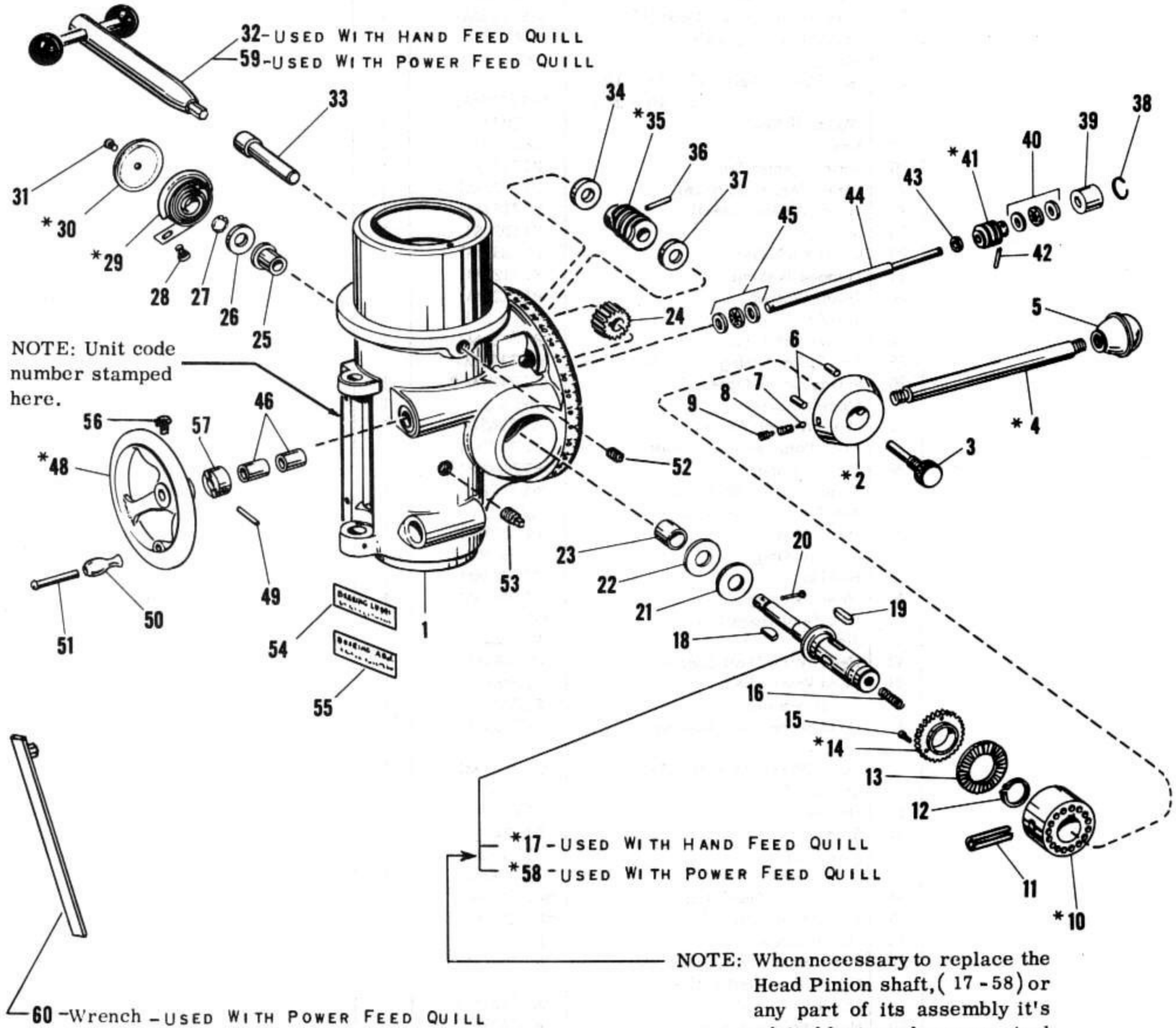
*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.

Continued On Reverse Side.

ITEM NO.	PART NAME	PART NO.	NO. REQ.	PRICE EACH
1	Head	WRITE FOR INFORMATION		
2	Quill Feed Clutch (6-7-8-9)	*AS7067M1	1	
3	Feed Knob	PT7137M1	1	
4	Handle (5)	*AS7066 M1	1	
5	Knob	PT4048DP1	1	
6	Dowel	153 x 3	2	
7	Steel Ball	172 x 8	1	
8	Spring	162 x 27	1	
9	Set Screw	120 x 1004	1	
10	Fine Feed Clutch (11)	*AS7135 M1	1	
11	Roll Pin	159 x 7	1	
12	Tru-Arc Ring	165 x 1	1	
13	Worm Gear Clutch	PT7136 M1	1	
14	Head Worm Clutch Gear (15)	*AS7023 M1	1	
15	Cap Screw	114 x 714	3	
16	Spring	162 x 7	1	
17	Hd. Pinion Shaft (12-16-18 19-20-27)	*AS7129 M1	1	
18	Woodruff Key	PT2079	1	
19	Key	163 x 31	1	
20	Spring Center Pin	PT7122M1	1	
21	Thrust Washer (Bronze)	PT7127M1	1	
22	Thrust Washer (Steel)	PT7124M1	1	
23	Bushing	PT5024 S1	1	
24	Quill Rack Gear	PT7357M1	1	
25	Flanged Bushing	PT7125M1	1	
26	Thrust Washer	PT7123M1	1	
27	Tru-Arc Ring	165 x 201	1	
28	Spring Catch Pin	PT7121M1	1	
29	Flat Spiral Spring (20-28)	*AS7132 M1	1	
30	Spring Cover Plate (31)	*AS7131 M1	1	
31	Machine Screw	105 x 6	1	
32	Hex. Wrench Assembly	AS7165 M1	1	
33	Head Rotation Worm Shaft	PT7077M1	1	
34	Thrust Washer	PT7080M1	1	
35	Head Rotation Worm (36)	*AS7078 M1	1	
36	Roll Pin	159 x 3	1	
37	Thrust Washer	PT7079M1	1	
38	Tru-Arc Ring	165 x 501	1	
39	Bushing	PT7133M1	1	
40	Thrust Bearing	PT7090M1	1	
41	Fine Feed Worm (42)	*AS7083 M1	1	
42	Pin	PT1844-1	1	
43	Head Worm Shaft Spacer	PT7091M1	1	
44	Head Worm Shaft	PT7086M1	1	
45	Thrust Bearing	PT7089M1	1	
46	Head Worm Shaft Bushing	PT7088M1	2	
47	Head Worm Shaft Collar	PT7087M1	1	
48	Hand Wheel (49-50-51)	*AS7068 M2	1	
49	Straight Pin	PT1837-1	1	
50	Handle	PT1491	1	
51	Stud	PT1241	1	
52	Wire Cored Cotton Wicking	256 x 15	1	
53	Pipe Bushing	152 x 160	1	
54	Oil Drip Tube	PT7056M1	1	
55	Gits Oil Cup	PT2678RH1	1	
56	Thumb Screw	PT1857	1	
57	Head Worm Shaft Collar (49)	*AS7087M2	1	

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

HEAD	
MHM101	- English, Power Feed
MHM102	- English, Hand Feed
MHM101M	- Metric, Power Feed
MHM102M	- Metric, Hand Feed



*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

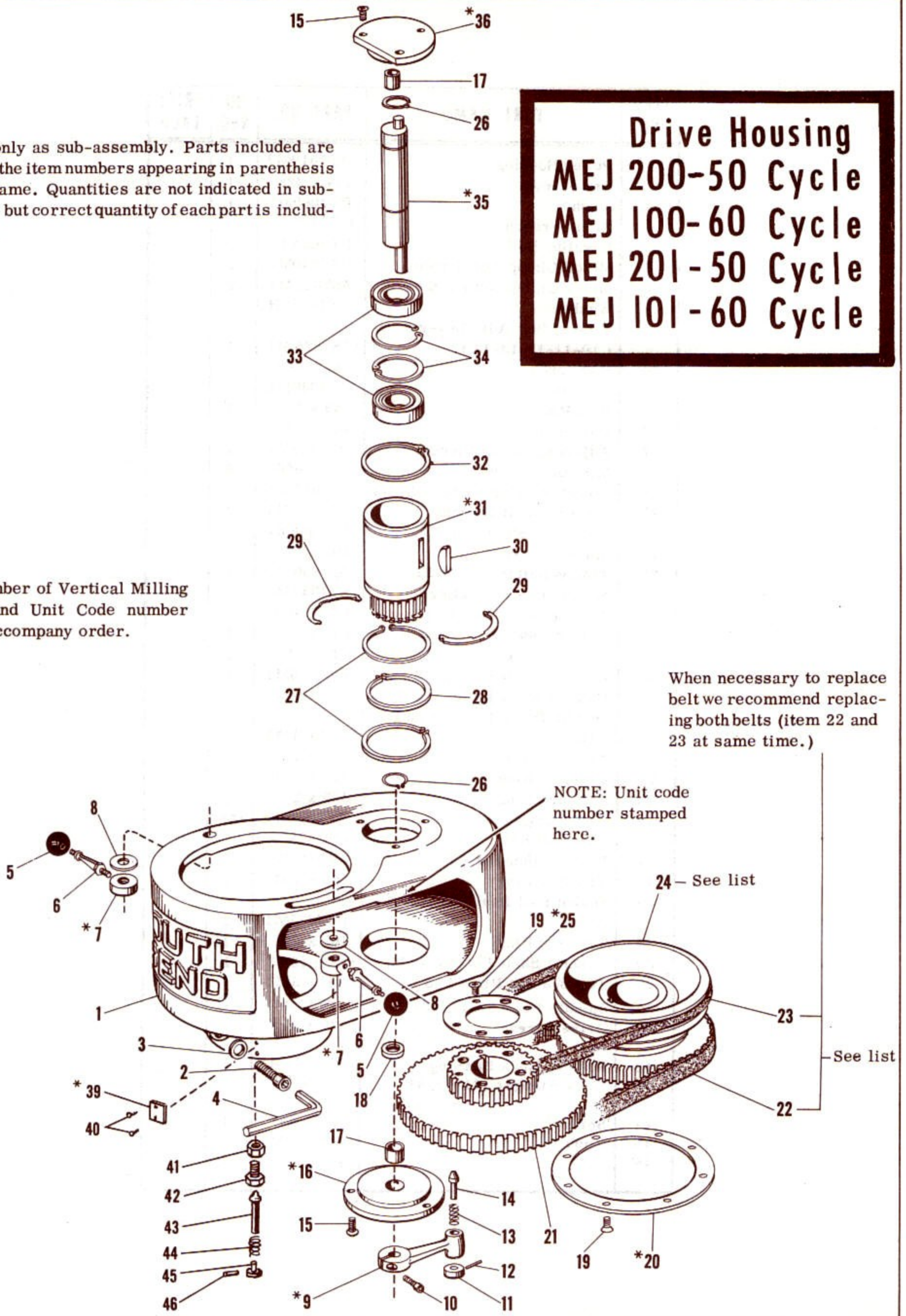
ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Head	PT7037M2	1
2	Quill Feed Clutch (6-7-8-9)	*AS7067M1	1
3	Feed Knob	PT7137M1	1
4	Handle (5)	*AS7066M1	1
5	Knob	PT4048DP1	1
6	Dowel	153 x 3	2
7	Detent Pin	PT7289M1	1
8	Spring	162 x 27	1
9	Detent Screw	PT7290M1	1
10	Fine Feed Clutch (11)	*AS7135M1	1
11	Roll Pin	159 x 7	1
12	Tru-Arc Ring	165 x 1	1
13	Worm Gear Clutch	PT7136M1	1
14	Head Worm Clutch Gear (15)	*AS7023M1	1
15	Cap Screw 6-32x3/8	114 x 714	3
16	Spring	162 x 7	1
17	Hd. Pinion Shaft (12 - 16 - 18 19 - 20 - 27)	*AS7129M2	1
18	Woodruff Key	PT2077	1
19	Key	163 x 31	1
20	Spring Center Pin	PT7122M1	1
21	Thrust Washer (Bronze)	PT7127M1	1
22	Thrust Washer (Steel)	PT7124M1	1
23	Bushing	PT5024S1	1
24	Quill Rack Gear	PT7357M1	1
25	Flanged Bushing	PT7125M1	1
26	Thrust Washer	PT7123M1	1
27	Tru-Arc Ring	165 x 201	1
28	Spring Catch Pin	PT7121M1	1
29	Flat Spiral Spring (20 - 28)	*AS7132M1	1
30	Spring Cover Plate (31)	*AS7131M2	1
31	Machine Screw	105 x 6	1
32	Hex. Wrench Assembly	AS7165M1	1
33	Head Rotation Worm Shaft	PT7077M1	1
34	Thrust Washer	PT7080M1	1
35	Head Rotation Worm (36)	*AS7078M1	1
36	Roll Pin 3/16 rd. x 13/16	159 x 3	1
37	Thrust Washer	PT7079M1	1
38	Tru-Arc Ring	165 x 501	1
39	Bushing	PT7133M1	1
40	Thrust Bearing	PT7090M1	1
41	Fine Feed Worm (42)	*AS7083M1	1
42	Pin	PT1844-1	1
43	Head Worm Shaft Spacer	PT7091M1	1
44	Head Worm Shaft	PT7086M1	1
45	Thrust Bearing	PT7089M1	1
46	Head Worm Shaft Bushing	PT7088M1	2
47			
48	Hand Wheel (49 - 50 - 51)	*AS7068M2	1
49	Straight Pin	PT1837 - 1	1
50	Handle	PT1491	1
51	Stud	PT1241	1
52	Pipe Plug	152 x 62	1
53	Oiler Plug	PA7294M1	1
54	Lubrication Plate (61)	*AS7296M1	1
55	Instruction Plate (61)	*AS7295M1	1
56	Thumb Screw	PT1857	1
57	Head Worm Shaft Collar (49)	*AS7087M2	1
58	Hd. Pinion Shaft (12 - 16 - 18 - 19 - 20 - 27)	*AS7129M2	1
59	Hex. Wrench Assembly	AS7409M1	1
60	Wrench Assembly	AS7400M1	1
61	Screw	132 x 2	4

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.

Drive Housing
MEJ 200-50 Cycle
MEJ 100-60 Cycle
MEJ 201-50 Cycle
MEJ 101-60 Cycle

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

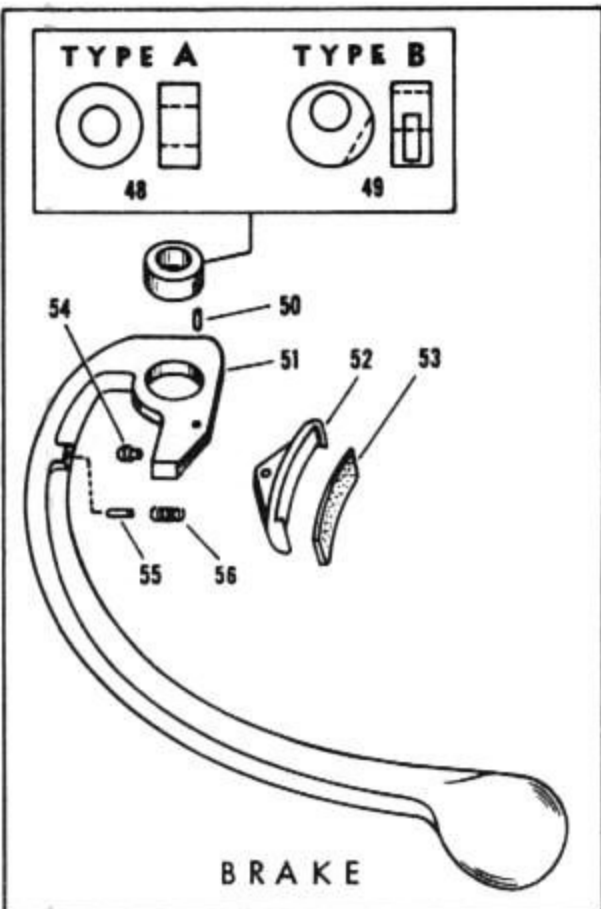
When necessary to replace belt we recommend replacing both belts (item 22 and 23 at same time.)



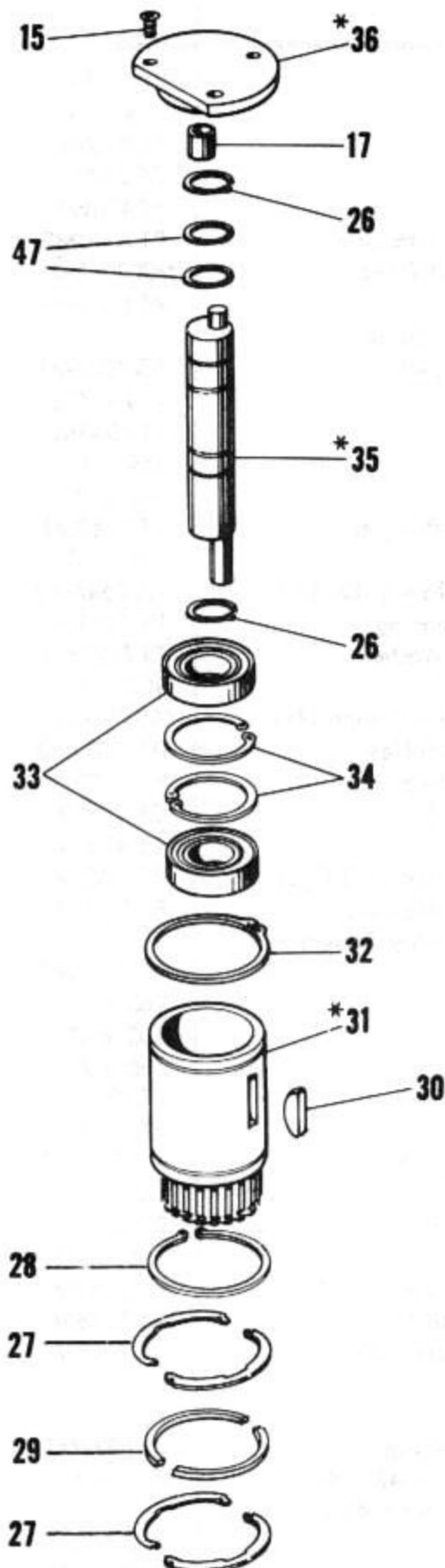
NOTE: Unit code number stamped here.

Continued On Reverse Side.

ITEM NO.	PART NAME	PART NO.	NO. REQ.	PRICE EACH
1	Pulley Housing	PT7019M2	1	
2	Cap Screw	114 x 228	1	
3	Washer	PT7060M1	1	
4	Allen Wrench	CE2389	1	
5	Bakelite Ball	PT406NT1	2	
6	Motor Clamp Nut Handle	PT7040M2	2	
7	Motor Clamp Nut (5-6)	*AS7042 M1	2	
8	Washer	PT1675FH1	2	
9	Timing Belt Adj. Lever (10-11-12-13-14)	*AS7026 M1	1	
10	Cap Screw	114 x 608	1	
11	Knurled Knob	PT7049M1	1	
12	Roll Pin	159 x 1	1	
13	Coil Spring	162 x 35	1	
14	Adjusting Lever Plunger	PT7048M1	1	
15	Machine Screw	105 x 608	6	
16	Lower Bearing Plate (15-17)	*AS7047 M1	1	
17	Counter Shaft Bearing	PT7054M1	2	
18	Eccentric Shaft Washer	PT7058M1	1	
19	Machine Screw	103 x 6	12	
20	Timing Belt Pulley Flange (19)	*AS7050 M1	1	
21	Spindle Driving Pulley	AS7035M2	1	
22	Timing Belt (Rubber)	PT7170-1	1	
23	V-Belt (60 Cy.)	CE4L320	1	
	V-Belt (50 Cy.)	CE4L310	1	
24	Counter Shaft Pulley (60 Cy.)	PT7025M1	1	
	Counter Shaft Pulley (50 Cy.)	PT7169M1	1	
25	Spindle Drive Pulley Flange (19)	*AS7053 M1	1	
26	Tru-Arc Ring	165 x 1	2	
27	Tru-Arc Ring	165 x 601	1	
28	Tru-Arc Ring	165 x 2	1	
29	Belt Flange	PT7055M1	1pr.	
30	Woodruff Key	PT2078	1	
31	Bearing Housing (30)	*AS7044M1	1	
32	Tru-Arc Ring	165 x 103	1	
33	Sealed Ball Bearing, N. D. 99505	PT7061M1	2	
34	Tru-Arc Ring	165 x 301	2	
35	Counter Shaft Eccentric(26)	*AS7045M1	1	
36	Top Bearing Plate (15)	*AS7046M1	1	
39	Spindle Lock Plate (40)	*AS7323M1	1	
40	Drive Screw	130 x 3	2	
41	Nut	139 x 35	1	
42	Spindle Lock Bushing	PT7321M1	1	
43	Lock Plunger (41-42-44 -45-46)	*AS7320M1	1	
44	Spring	162 x 35	1	
45	Knob	PT7322M1	1	
46	Pin	160 x 27	1	



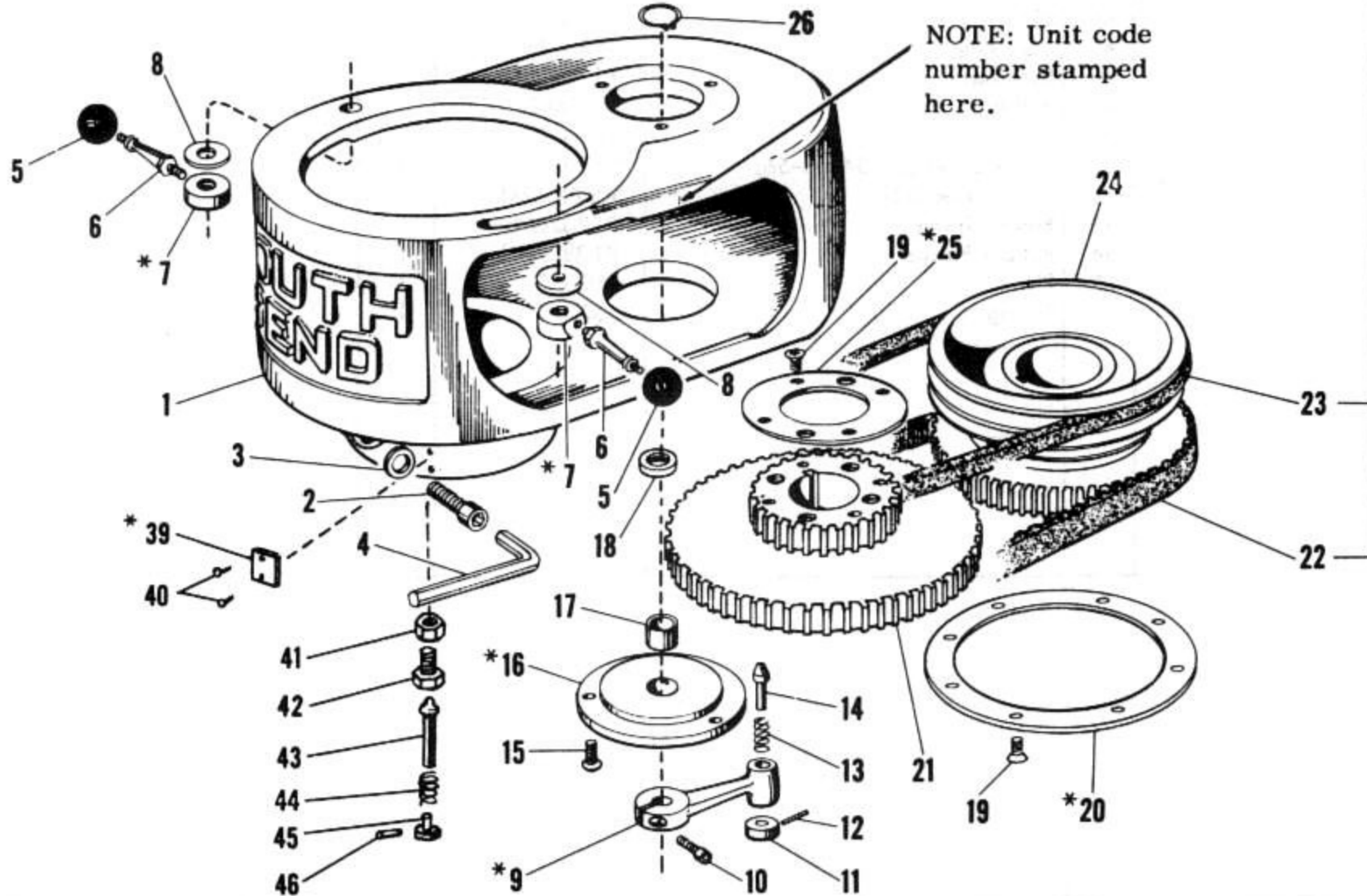
Drive Housing
MEJ 200-50 Cycle
MEJ 100-60 Cycle
MEJ 201-50 Cycle
MEJ 101-60 Cycle



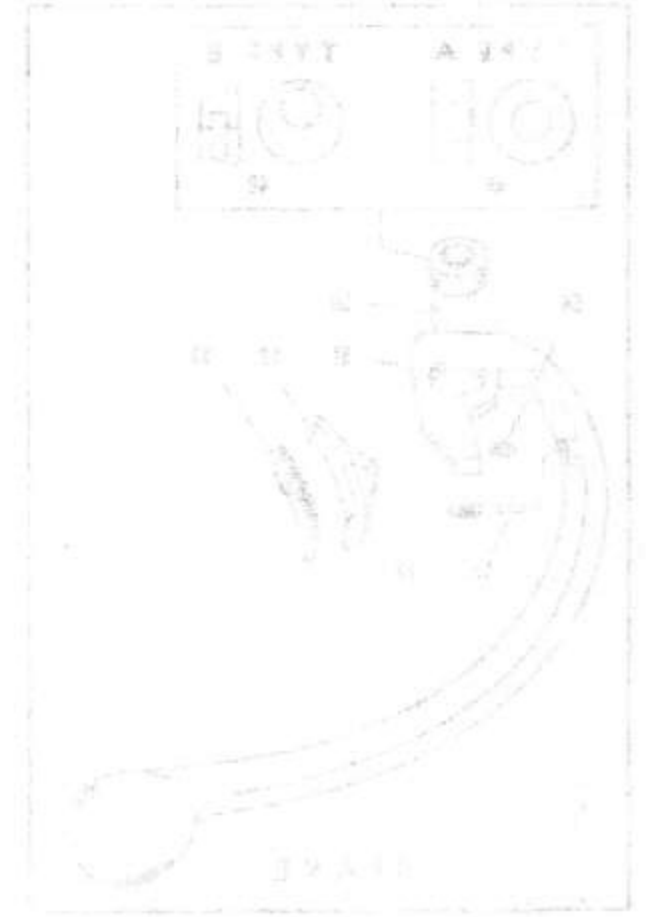
*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

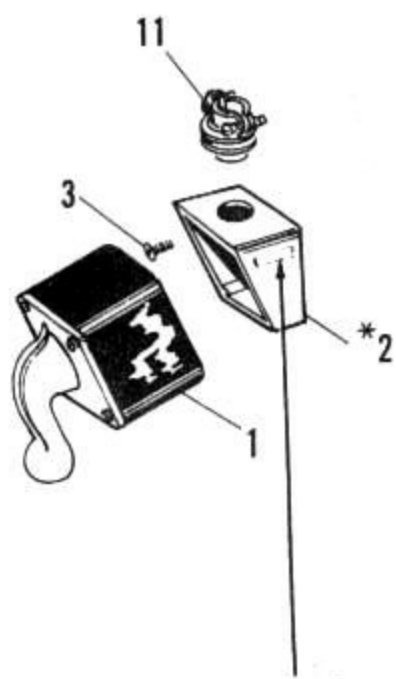
When necessary to replace belt we recommend replacing both belts (item 22 and 23 at same time.)



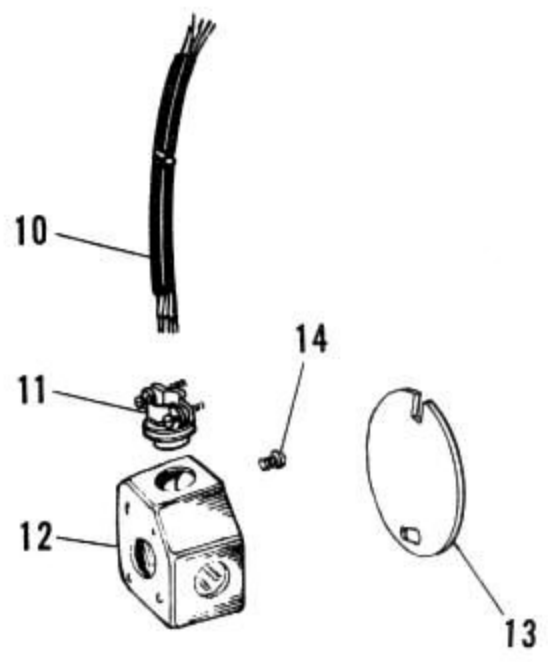
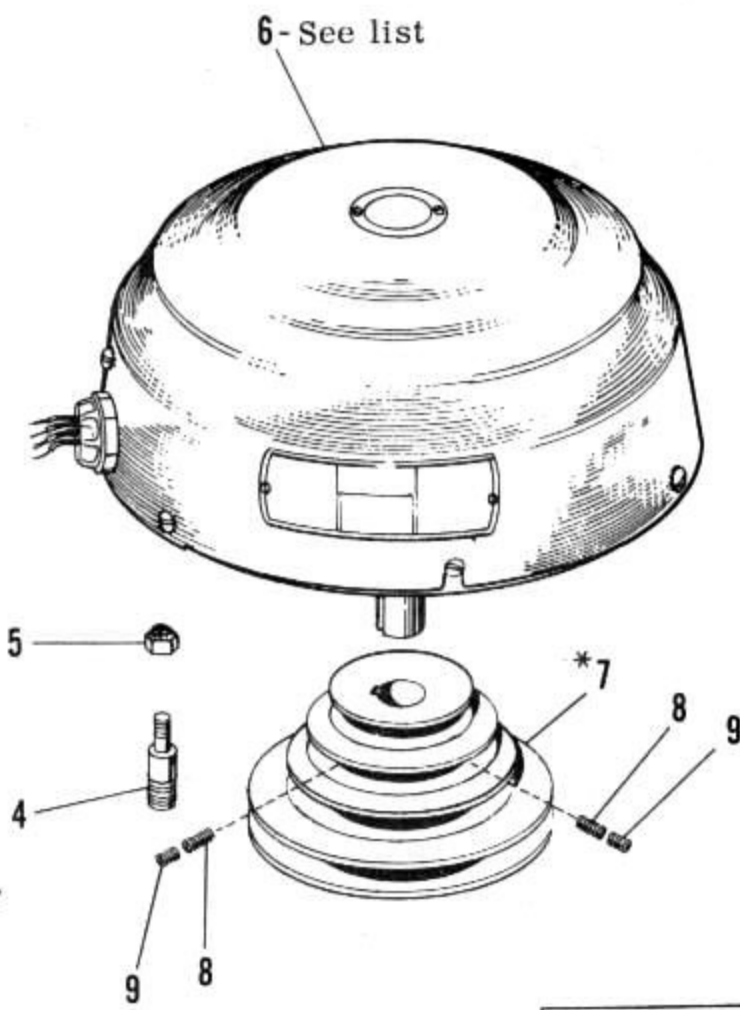
ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Pulley Housing	PT7019M2	1
2	Cap Screw	114 x 228	1
3	Washer	PT7060M1	1
4	Allen Wrench	CE 2389	1
5	Bakelite Ball	PT 406NT1	2
6	Motor Clamp Nut Handle	PT7040M2	2
7	Motor Clamp Nut (5-6)	*AS 7042M1	2
8	Washer	PT 1675FH1	2
9	Timing Belt Adj. Lever (10-11-12-13-14)	*AS 7026M1	1
10	Cap Screw	114 x 712	1
11	Knurled Knob	PT7049M1	1
12	Roll Pin	159 x 1	1
13	Coil Spring	162 x 35	1
14	Adjusting Lever Plunger	PT7048M1	1
15	Machine Screw	105 x 608	6
16	Lower Bearing Plate (15-17)	*AS 7047M2	1
17	Counter Shaft Bearing	PT7054M1	2
18	Eccentric Shaft Washer	PT7123M1	1
19	Machine Screw	103 x 6	12
20	Timing Belt Pulley Flange (19)	*AS 7050M1	1
21	Spindle Driving Pulley	AS 7035M2	1
22	Timing Belt (Rubber)	PT7170-1	1
23	V-Belt (60 Cy.)	CE 4L320	1
	V-Belt (50 Cy.)	CE 4L310	1
24	Counter Shaft Pulley (60 Cy.)	PT7025M1	1
	Counter Shaft Pulley (50 Cy.)	PT7169M1	1
25	Spindle Drive Pulley Flange (19)	*AS 7053M1	1
26	Tru-Arc Ring	165 x 1	2
27	Tru-Arc Ring	165 x 601	2
28	Tru-Arc Ring	165 x 2	1
29	Belt Flange	PT7055M1	1 pr.
30	Woodruff Key	PT 2078	1
31	Bearing Housing (30)	*AS 7044M1	1
32	Tru-Arc Ring	165 x 103	1
33	Sealed Ball Bearing	PT7061M1	2
34	Tru-Arc Ring	165 x 301	2
35	Counter Shaft Eccentric (26)	*AS 7045M1	1
36	Top Bearing Plate (15)	*AS 7046M1	1
39	Spindle Lock Plate (40)	*AS 7323M1	1
40	Drive Screw	130 x 3	2
41	Nut	139 x 35	1
42	Spindle Lock Bushing	PT7321M1	1
43	Lock Plunger (41 - 42 - 44 -45 - 46)	*AS 7320M1	1
44	Spring	162 x 35	1
45	Knob	PT7322M1	1
46	Pin	160 x 27	1
47	"O" Ring	193 x 16	2
48	Bushing	PT7328M1	1
49	Bushing	1136MC-B	1
50	Pin	159 x 2	1
51	Brake Lever (50-54-55-56)	*AS7330M1	1
52	Brake Shoe (53)	*AS 7325M1	1
53	Brake Lining	PT7326M1	1
54	Rubber Bumper	PT 387NK1	1
55	Pin	159 x 3	1
56	Spring	162 x 7	1



**MOTOR
MCM 100 F**



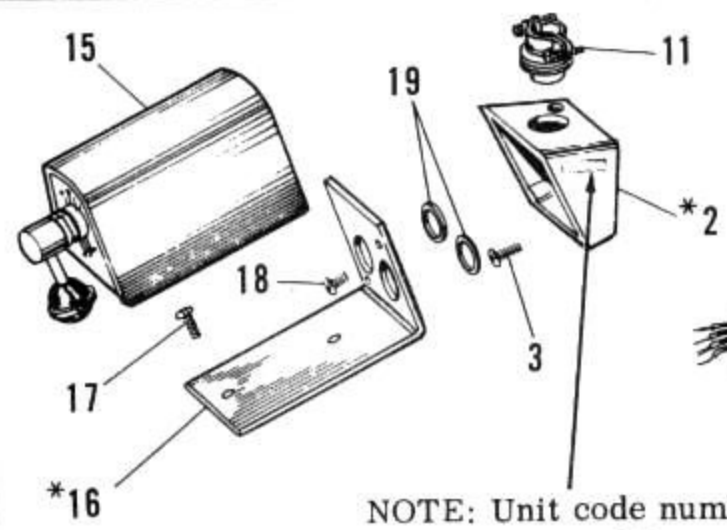
NOTE: Unit code number stamped here.



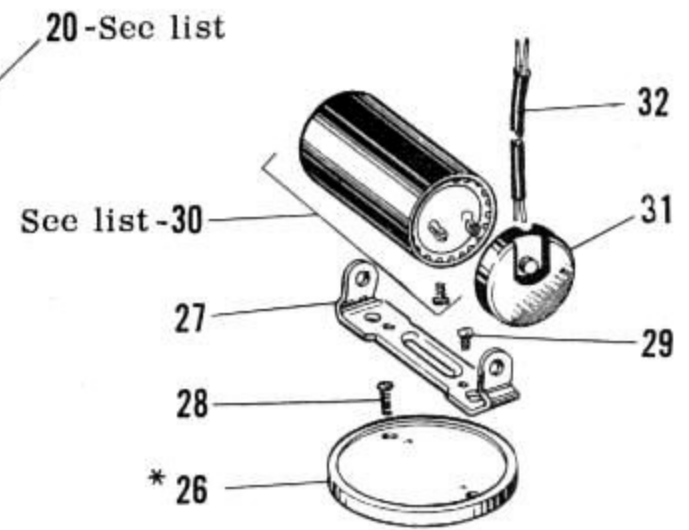
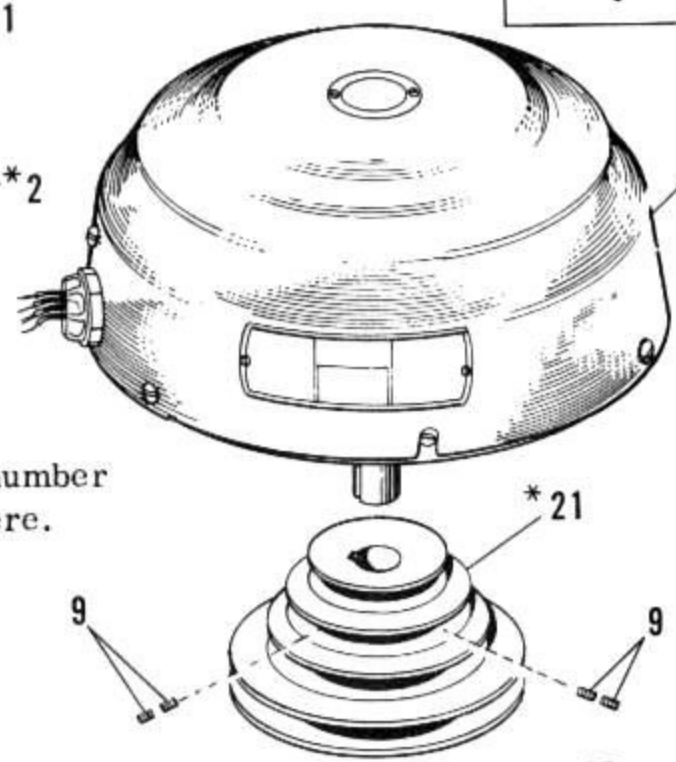
3 PHASE

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.



NOTE: Unit code number stamped here.



**MOTOR
MCM 200 A**

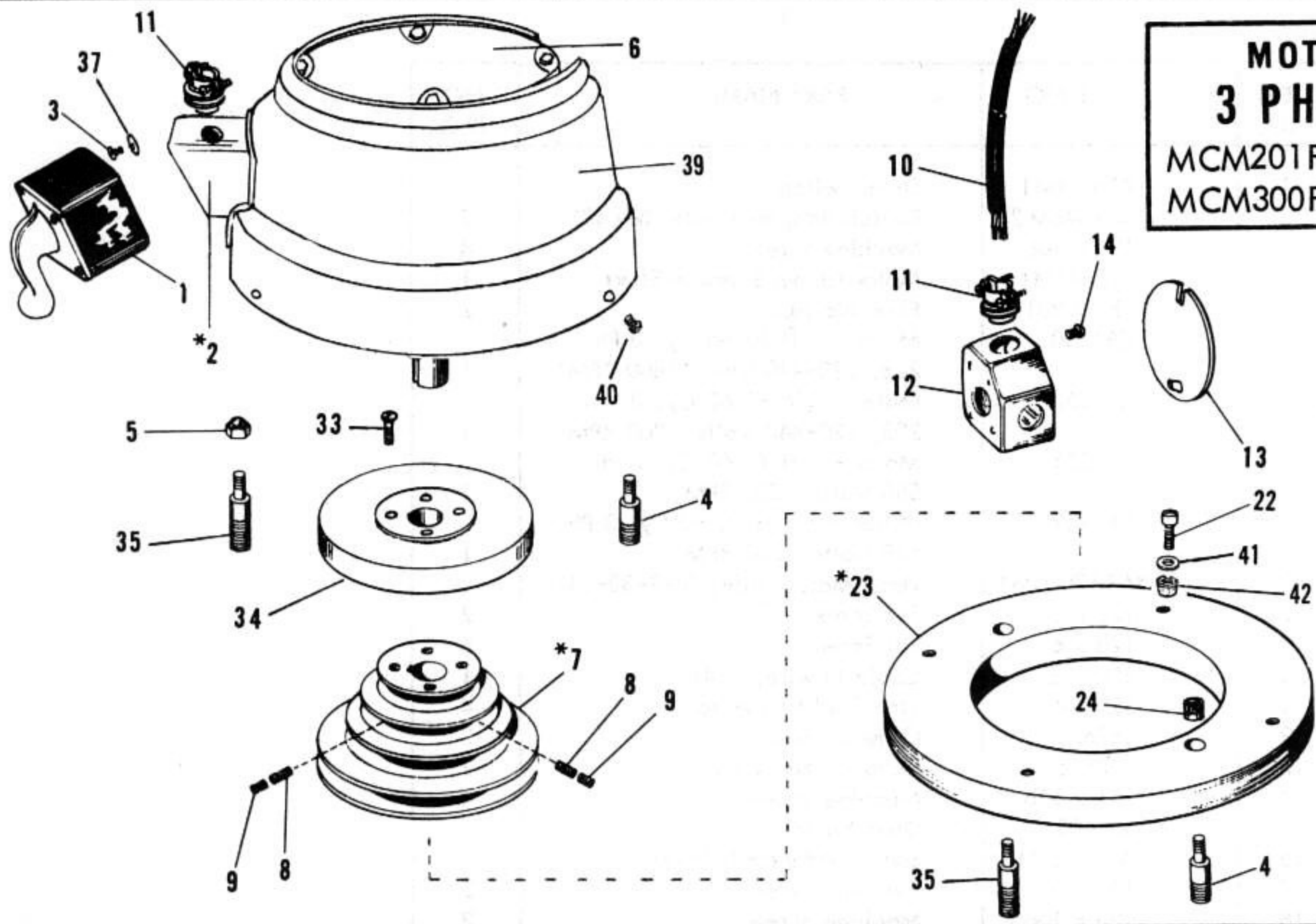
1 PHASE

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

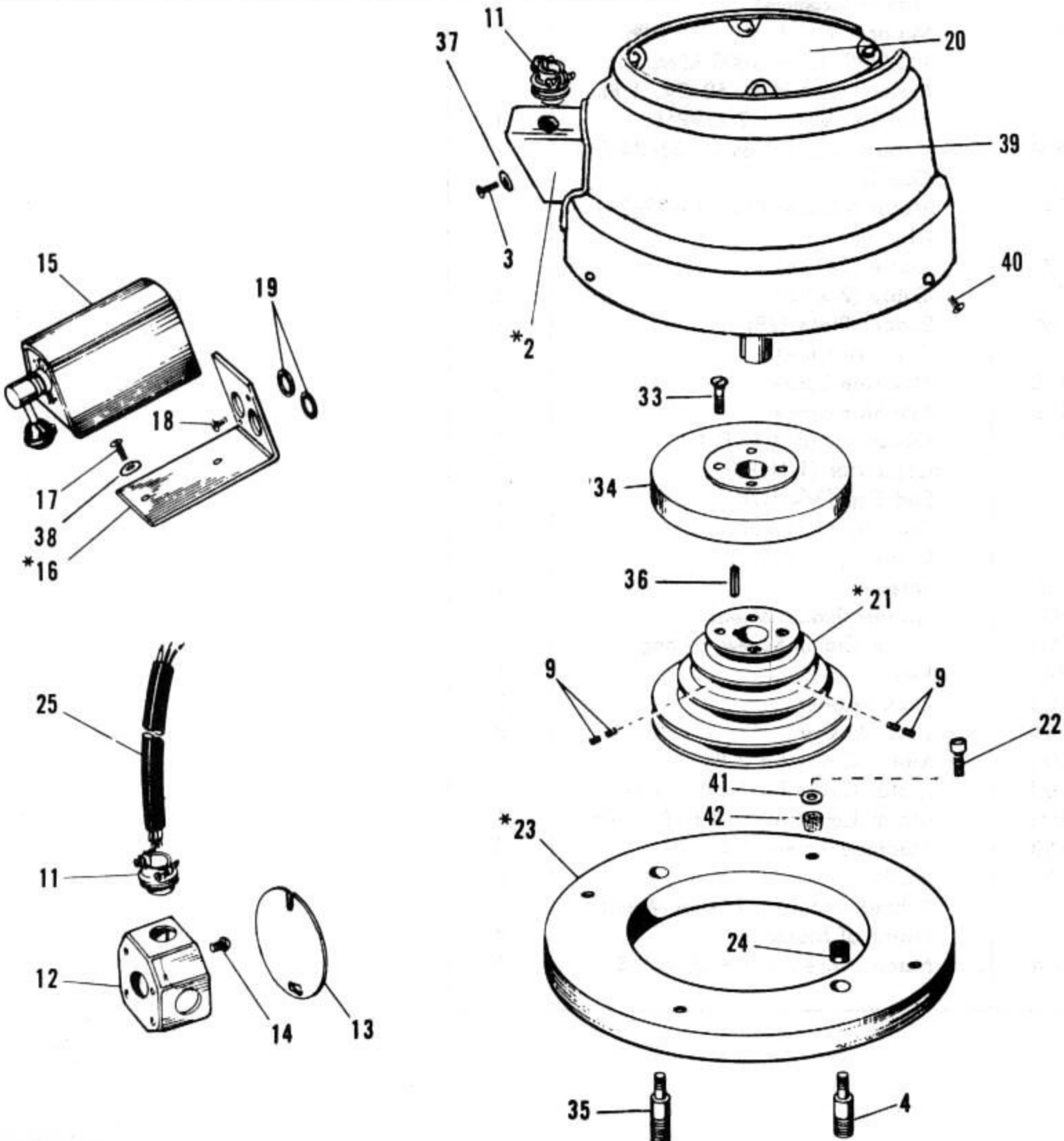
Continued On Reverse Side.

ITEM NO.	PART NAME	PART NO.	NO. REQ.	PRICE EACH
1	Drum Switch	PT7051M1	1	\$11.00
2	Switch Adapter Outlet Box (3)	*AS7043 M1	2	2.00
3	Machine Screw	101 x 106	4	.05
4	Motor Clamp Screw	PT7041M1	4	.45
5	Flex-Ioc Nut	187 x 201	2	.15
6	Motor - 1 H.P. 60 Cy. 208, 220-440 Volts	PT7052M1-A	1	83.50
	Motor - 3/4 H.P. 60 Cy. 208, 220-440 Volts	PT7052M1-B	1	99.50
	Motor - 1 H.P. 50/60 Cy. 550 Volts	PT7052M1-C	1	83.50
	Motor - 3/4 H.P. 50/60 Cy. 550 Volts	PT7052M1-D	1	99.50
7	Head Motor Pulley (8-9)	*AS7024 M1	1	17.10
8	Set Screw	120 x 8	2	.20
9	Set Screw	120 x 6	6	.15
10	Cable (4 wire, #14)	250 x 3	1	.80ft.
11	Str. Cord Connector	SE7100	4	.25
12	Octagon Box	SE7615	2	.65
13	Octagon Box Cover	SE7616	2	.20
14	Machine Screw	101 x 606	4	.05
15	Drum Switch	SE4605	1	13.00
16	Switch Adapter (17-18)	*AS7166 M1	1	3.30
17	Machine Screw	101 x 303	2	.05
18	Machine Screw	103 x 106	2	.05
19	Rubber Grommet	PT1113	2	.05
20	Motor - 1 H.P. 60 Cy. 115/230 Volts	PT7168M1-A	1	101.00
	Motor - 3/4 H.P. 60 Cy. 115/230 Volts	PT7168M1-B	1	133.00
21	Head Motor Pulley (9)	*AS7096M1	1	16.70
22	Cap Screw	114 x 216	4	.45
23	Motor Adapter Plate (4-22-24)	*AS7097 M1	1	12.10
24	Allenut	187 x 103	2	.50
25	Cable (3 wire # 12)	250 x 13	1	.90ft.
26	Spacer Plate (28)	*AS7167 M1	1	3.40
27	Capacitor Brkt.	SE8002	1	.60
28	Machine Screw	101 x 108	2	.05
29	Machine Screw	103 x 106	2	.05
30	Capacitor (3/4 H.P.)	SE8000	1	3.00
	Capacitor (1 H.P.)	SE8001	1	4.50
31	End Cap (3/4 H.P.)	SE8003	1	.60
	End Cap (1 H.P.)	SE8004	1	.75
32	Cable (2 wire # 16)	250 x 7	1	.20ft.

PRICES NET. F.O.B. SOUTH BEND, IND. (SUBJECT TO CHANGE WITHOUT NOTICE)



MOTOR
3 PHASE
 MCM201F-1 H.P.
 MCM300F-3/4 H.P.

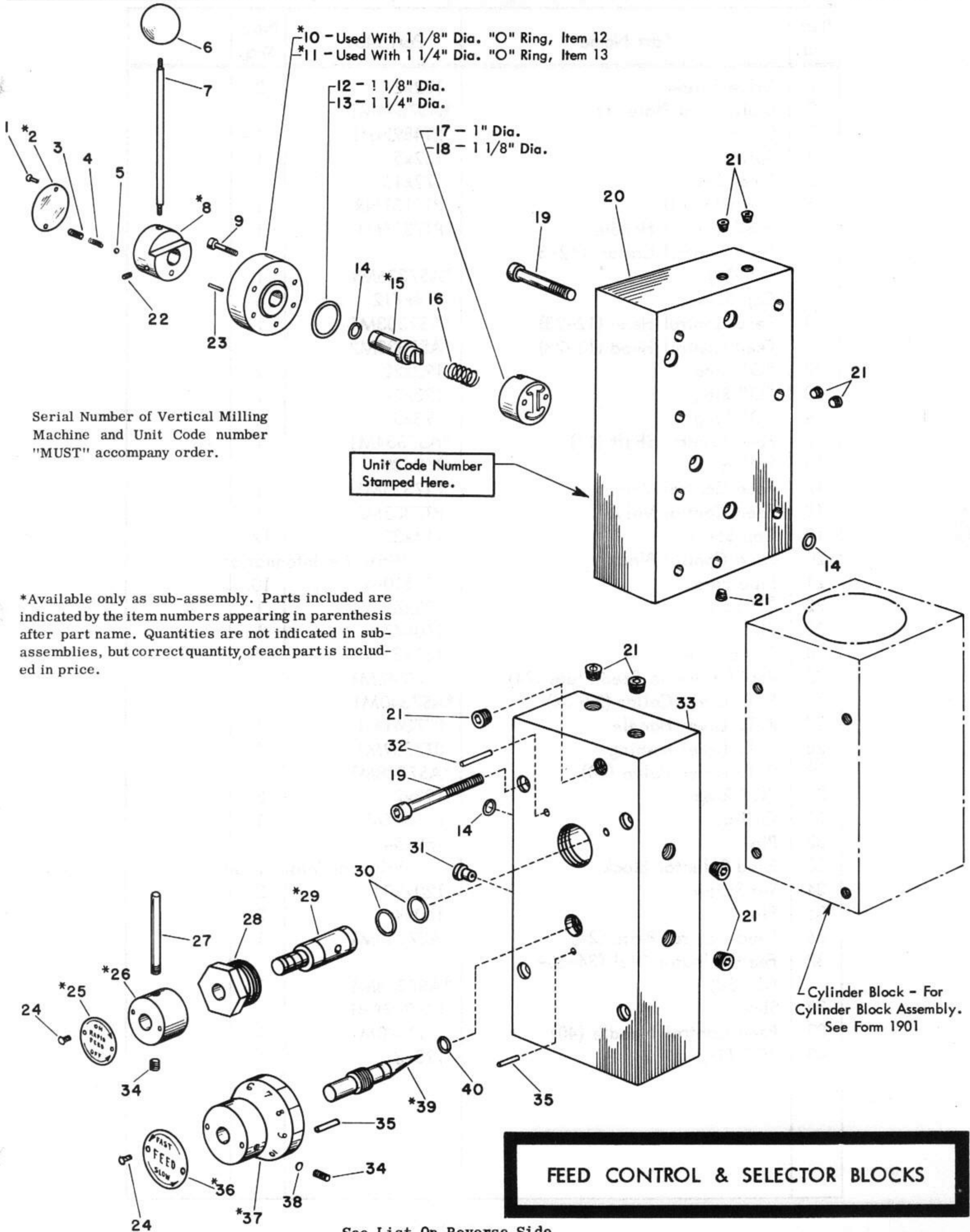


MOTOR
1 PHASE
 MCM202A-1 H.P.
 MCM201A-3/4 H.P.

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

*AVAILABLE ONLY AS SUB-ASSEMBLY. PARTS INCLUDED ARE INDICATED BY THE ITEM NUMBERS APPEARING IN PARENTHESIS AFTER PART NAME.

ITEM NO.	PART NO.	PART NAME	NO. REQ.
1	PT7051M1	Drum Switch	1
2	*AS7043M2	Switch Adapter Outlet Box (3)	2
3	101 x 106	Machine Screw	4
4	PT7041M1	Motor Clamp Screw - Short	1
5	187 x 201	Flex-loc Nut	2
6	CE1250	Motor - 1 H.P. 60 Cy. 3 Ph. 208, 220-440 Volts 1800 RPM	1
	CE1257	Motor - 3/4 HP 60 Cy. 3 Ph. 208, 220-440 Volts 1200 RPM	1
	CE1255	Motor - 1 H.P. 60 Cy. 3 Ph. 550 Volts 1800 RPM	1
	CE1259	Motor - 3/4 H.P. 60 Cy. 3 Ph. 550 Volts 1200 RPM	1
7	*ASA7024M1	Head Motor Pulley (8-9-33-34)	1
8	120 x 8	Set Screw	2
9	120 x 6	Set Screw	6
10	250 x 3	Cable (4 wire, #14)	1
11	SE7100	Str. Cord Connector	4
12	SE7615	Octagon Box	2
13	SE7616	Octagon Box Cover	2
14	101 x 606	Machine Screw	4
15	SE4605	Drum Switch	1
16	*AS7166M1	Switch Adapter (17-18)	1
17	101 x 303	Machine Screw	2
18	103 x 106	Machine Screw	2
19	PT1113	Rubber Grommet	2
20	CE1253	Motor - 1 H.P. 60 Cy. 1 Ph. 115/230 Volts 1800 RPM	1
	CE1258	Motor - 3/4 H.P. 60 Cy. 1 Ph. 115/230 Volts 1200 RPM	1
21	*ASA7096M1	Head Motor Pulley (9-33-34-36)	1
22	114 x 216	Cap Screw	4
23	*AS7097M1	Motor Adapter Plate (4-22-24)	1
24	187 x 103	Allenut	2
25	250 x 13	Cable (3 wire)	1
	250 x 7	Cable (2 wire)	1
26	*AS7167M1	Spacer Plate (28)	1
27	SE8002	Capacitor Brkt.	1
28	101 x 108	Machine Screw	2
29	103 x 106	Machine Screw	2
30	SE8000	Capacitor (3/4 H.P.)	1
	SE8001	Capacitor (1 H.P.)	1
31	SE8003	End Cap (3/4 H.P.)	1
	SE8004	End Cap (1 H.P.)	1
32	250 x 7	Cable (2 wire #16)	1
33	103 x 112	Screw	4
34	PT7329M1	Spindle Brake Wheel	1
35	PT7327M1	Motor Clamp Screw - Long	1
36	163 x 32	Key	1
37	183 x 103	Lock Washer	2
38	182 x 104	Lock Washer	2
39	PT7346M1	Motor Cover for 3 Ph.	1
	PT7347M1	Motor Cover for 1 H.P. 1 Ph.	1
	PT7348M1	Motor Cover for 3/4 H.P. 1 Ph.	1
40	101 x 608	Machine Screw 1/4 - 20	3
41	161 x 18	Washer	4
42	PT1110	Rubber Grommet Fits in Mount Frame of Motor	4
43	103 x 614	Mach. Screw 1/4 - 20 x 7/8	1



Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

Unit Code Number Stamped Here.

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.

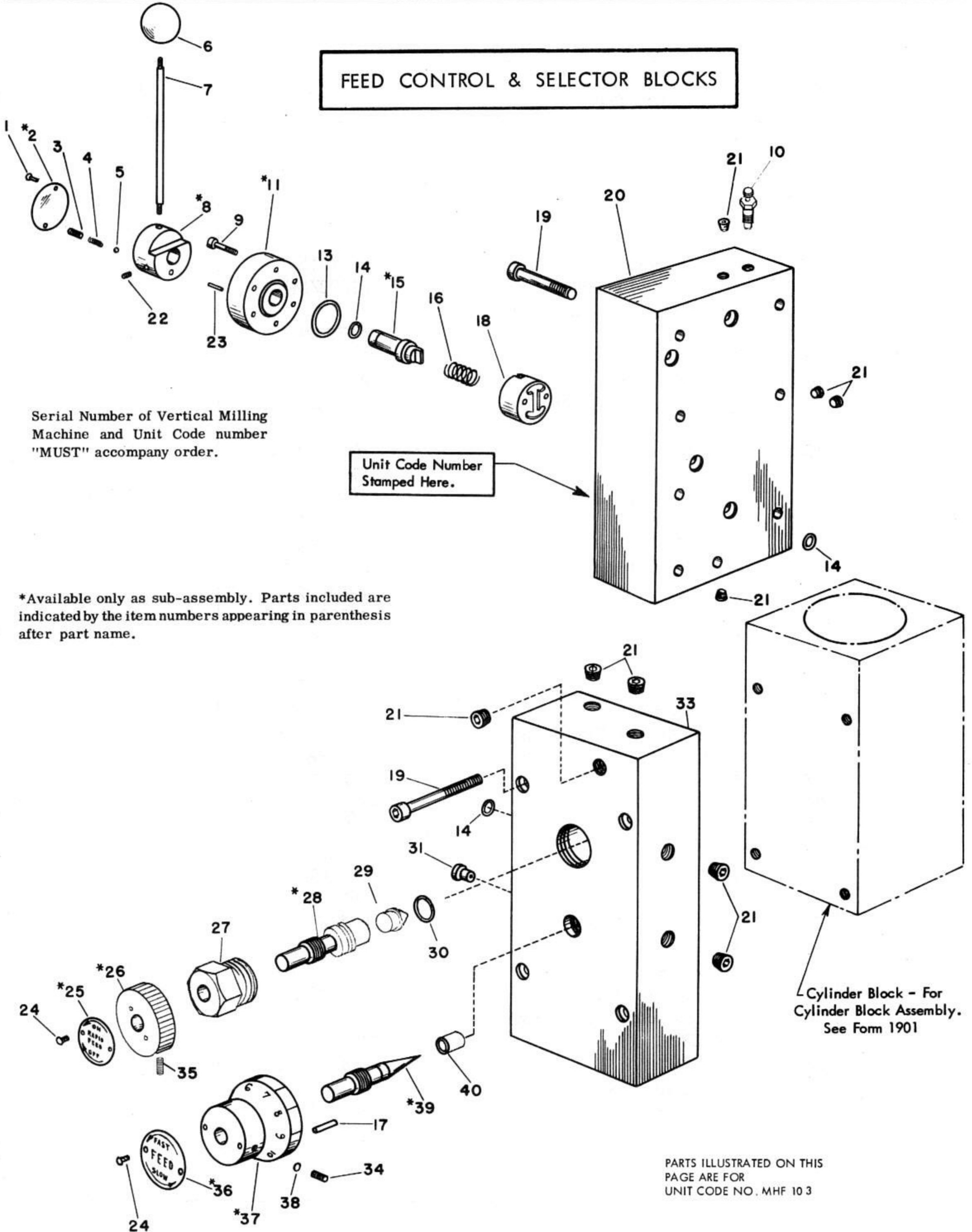
Cylinder Block - For Cylinder Block Assembly. See Form 1901

FEED CONTROL & SELECTOR BLOCKS

See List On Reverse Side

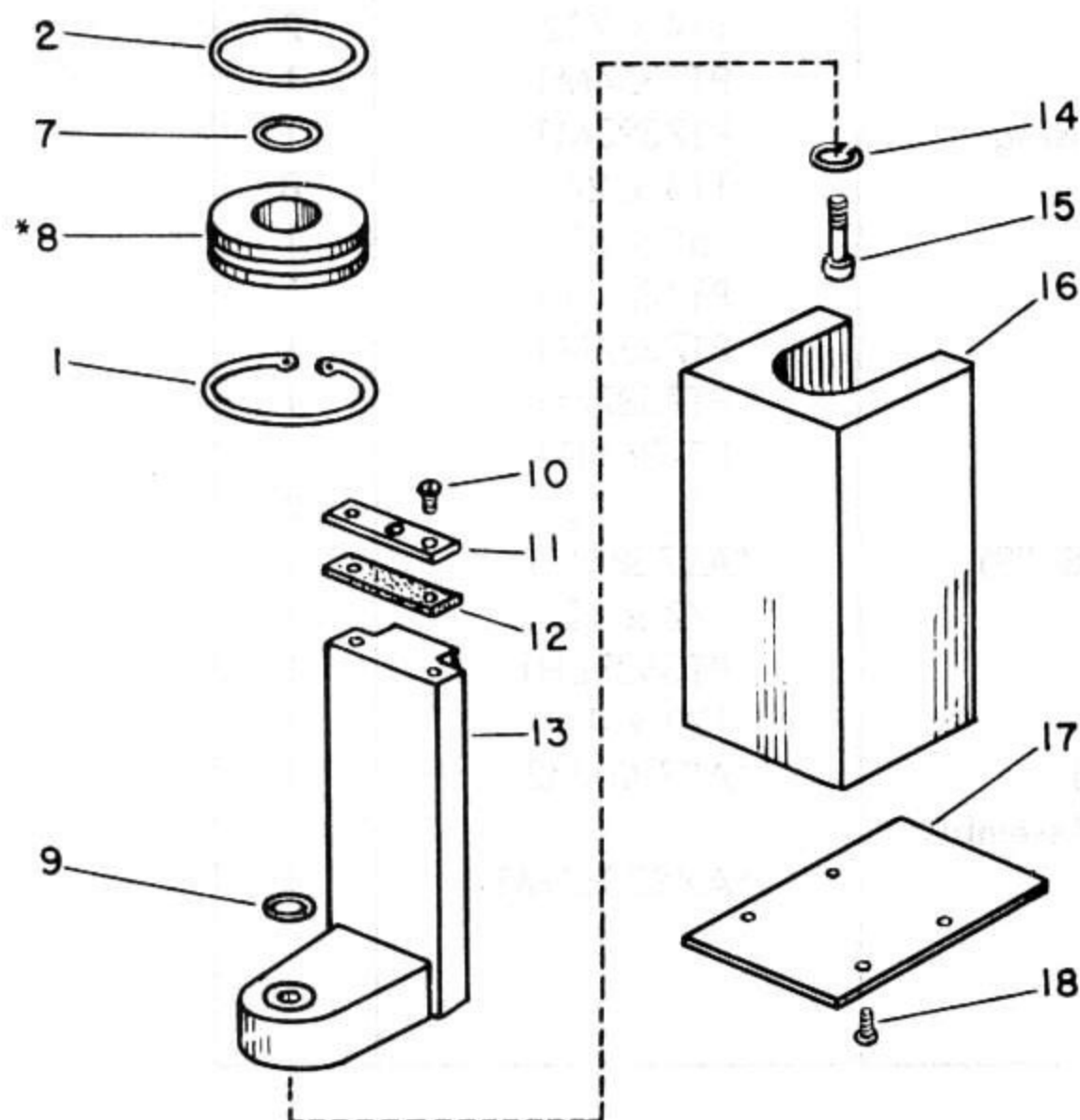
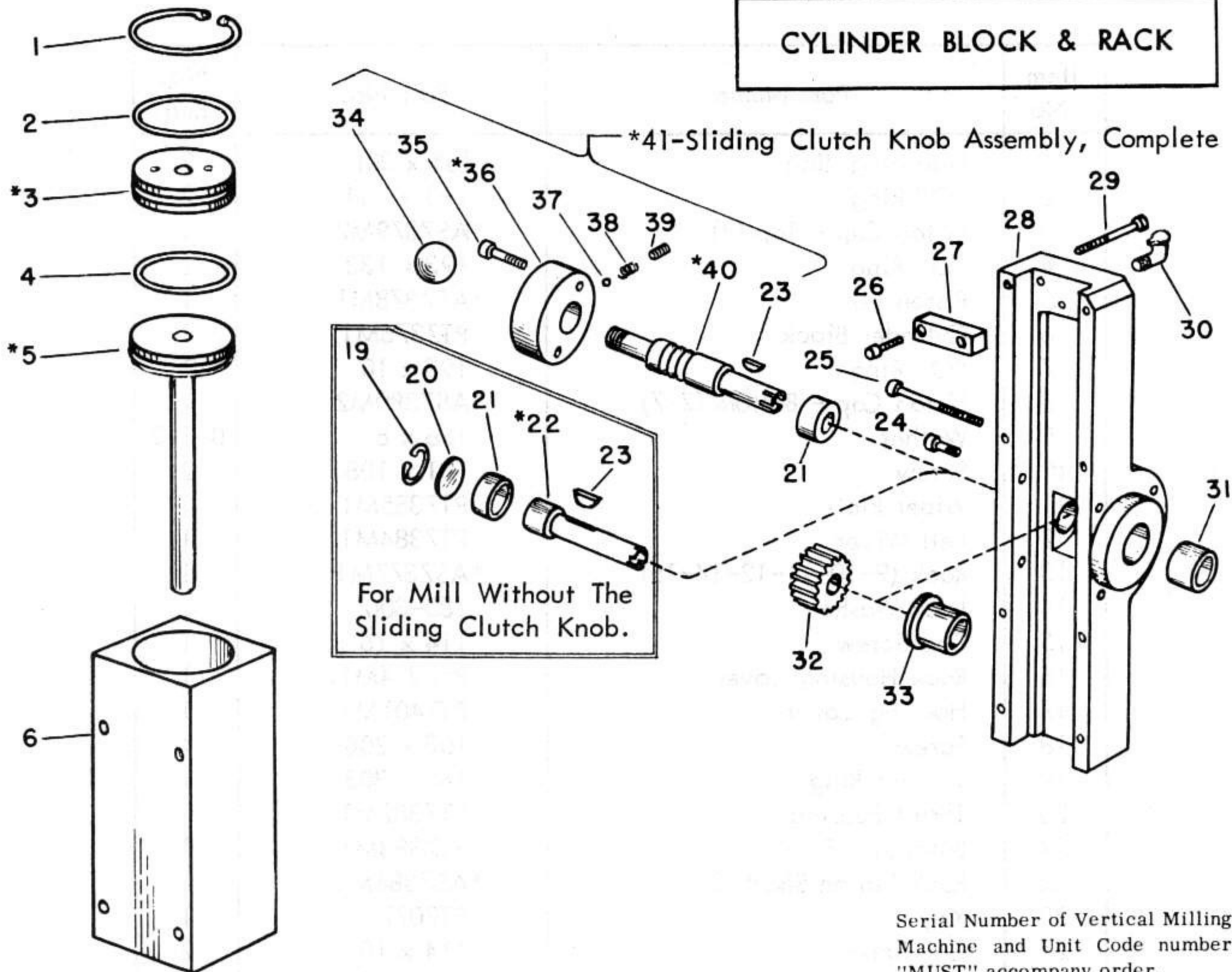
Item No.	Part Name	Part No.	No. Req.
1	Drive Screw	132x2	2
2	Quill Feed Plate (1)	*AS7344M1	1
3	Screw	PT489NH1	1
4	Spring	162x5	1
5	Steel Ball	172x16	1
6	Bakelite Ball	PT3131NR1	1
7	Feed Control Handle	PT7337M1	1
8	Feed Control Collar (*2-3 4-5-22)	*AS7336M1	1
9	Cap Screw	114x712	6
10	Feed Control Head (12-23)	*AS7333M1	1
11	Feed Control Head (13-23)	*AS7333M2	1
12	"O" Ring	193x22	1
13	"O" Ring	193x24	1
14	"O" Ring	193x5	6
15	Feed Control Shaft (14)	*AS7334M1	1
16	Spring	162x30	1
17	Feed Control Valve	PT7335M1	1
18	Feed Control Valve	PT7335M2	1
19	Cap Screw	114x32	12
20	Feed Control Block	Write for Information	
21	Pipe Plug	PT1510-1	10
22	Set Screw	120x6	1
23	Pin	160x47	1
24	Drive Screw	130x3	4
25	Rapid Traverse Feed Plate (24)	*AS7342M1	1
26	R.T. Lever Collar (27-34)	*AS7340M1	1
27	R.T. Lever Handle	PT7341M1	1
28	R.T. Lever Bushing	PT7339M1	1
29	R.T. Lever Valve (30)	*AS7338M1	1
30	"O" Ring	193x7	2
31	Orifice	PT7345M1	1
32	Pin	160x54	2
33	Feed Selector Block	Write for Information	
34	Set Screw	120x904	2
35	Pin	160x4	2
36	Feed Control Plate (24)	*AS7343M1	1
37	Feed Selector Dial (34-35- *36-38)	*AS7368M1	1
38	Shoe	PT4809RH1	1
39	Feed Control Needle (40)	*AS7370M1	1
40	"O" Ring	193x3	1

FEED CONTROL & SELECTOR BLOCKS



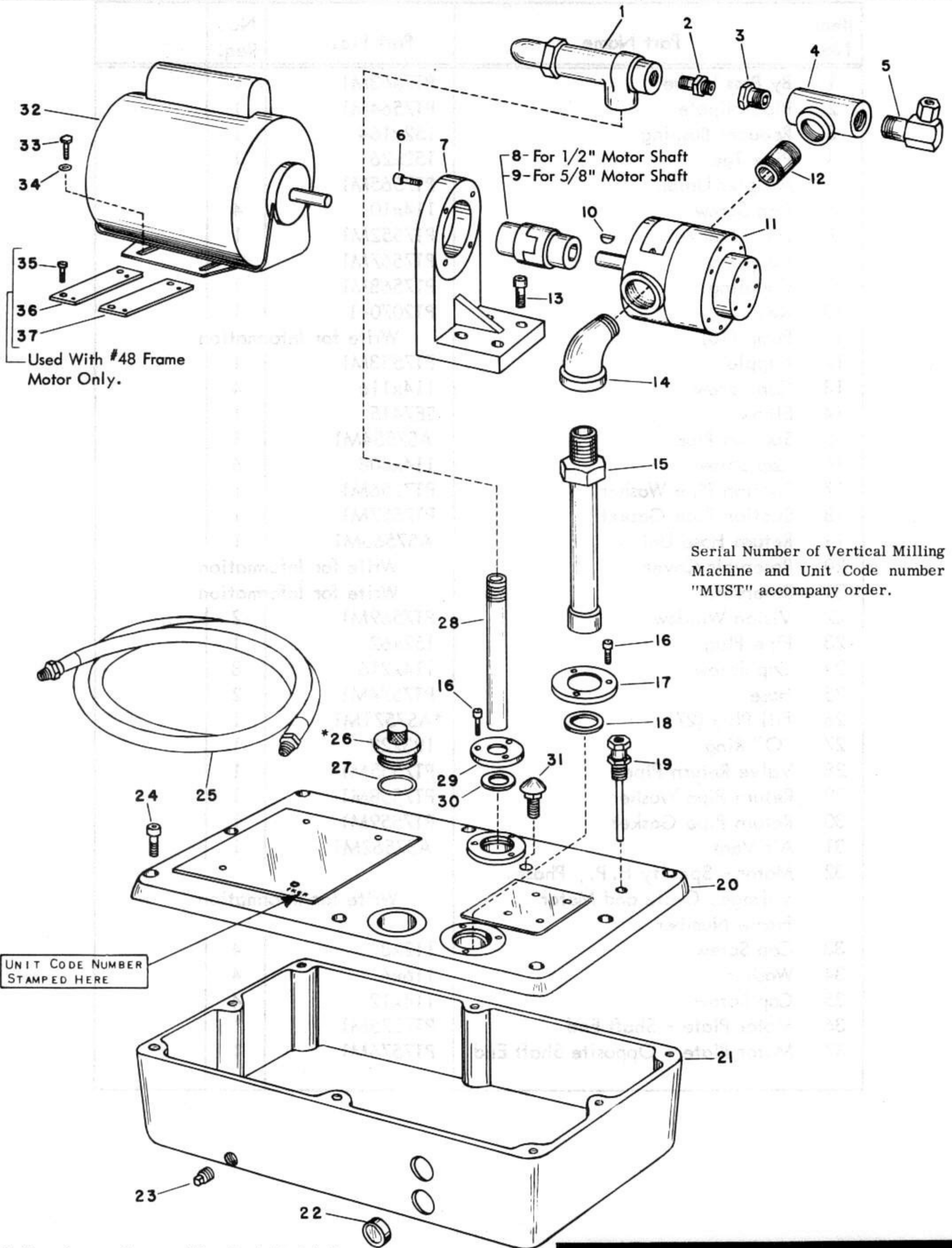
Item No.	Part Name	Part No.	No. Req.
1	Drive Screw	132 x 2	2
2	Quill Feed Plate (1)	*AS7344M1	1
3	Screw	PT489NH1	1
4	Spring	162 x 5	1
5	Steel Ball	172 x 16	1
6	Bakelite Ball	PT3131NR1	1
7	Feed Control Handle	PT7337M1	1
8	Feed Control Collar (*2-3 4-5-22)	*AS7336M1	1
9	Cap Screw	114 x 712	6
10	Bleeder Valve	PA7395M1	1
11	Feed Control Head (13-23)	*AS7333M2	1
12			
13	"O" Ring	193 x 24	1
14	"O" Ring	193 x 5	6
15	Feed Control Shaft (14)	*AS7334M1	1
16	Spring	162 x 30	1
17	Pin	160 x 54	1
18	Feed Control Valve	PT7335M2	1
19	Cap Screw	114 x 32	12
20	Feed Control Block	PT7332M2	1
21	Pipe Plug	PT1510-1	10
22	Set Screw	120 x 6	1
23	Pin	160 x 47	1
24	Drive Screw	132 x 100	4
25	Rapid Traverse Feed Plate (24)	*AS7342M2	1
26	Knob (34)	*AS7356M1	1
27	Bushing	PT7339M2	1
28	Valve (29-30)	*AS7338M2	1
29	Cone Point	PT7355M1	1
30	"O" Ring	193 x 7	2
31	Orifice	PT7345M1	1
32	Pin	160 x 54	2
33	Feed Selector Block	PT7331M3	1
34	Set Screw	120 x 904	2
35	Set Screw	120 x 906	2
36	Feed Control Plate (24)	*AS7343M1	1
37	Feed Selector Dial (34-35- *36-38)	*AS7368M1	1
38	Shoe	PT4809RH1	1
39	Feed Control Needle (40)	*AS7370M1	1
40	Valve Seat	PT7317M1	1

CYLINDER BLOCK & RACK



*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Item No.	Part Name	Part No.	No. Req.
1	Retaining Ring	165 x 301	2
2	"O" Ring	193 x 134	2
3	Piston Cap - Top (2)	*AS7379M2	1
4	"O" Ring	193 x 133	1
5	Piston (4)	*AS7378M1	1
6	Cylinder Block	PT7376M1	1
7	"O" Ring	193 x 10	1
8	Piston Cap - Bottom (2-7)	*AS7380M2	1
9	Washer	166 x 6	0-1-2
10	Screw	101 x 108	2
11	Wiper Plate	PT7385M1	1
12	Felt Wiper	PT7384M1	1
13	Rack (9-10-11-12-14-15)	*AS7377M1	1
14	Lock Washer	180-300	1
15	Cap Screw	114 x 16	1
16	Rack Housing Cover	PT7394M1	1
17	Housing Cover	PT7401M1	1
18	Screw	103 x 208	4
19	Tru-arc Ring	165 x 303	1
20	Thrust Bearing	PT7382M1	1
21	Bushing - Front	PT7383M1	1
22	Rack Pinion Shaft (23)	*AS7386M1	1
23	Key	PT2077	1
24	Cap Screw	114 x 10	2
25	Cap Screw	114 x 44	2
26	Cap Screw	114 x 712	2
27	Rack Cover Block	PT7354M1	1
28	Rack Pinion Shaft Housing	PT7393M1	1
29	Cap Screw	114 x 24	8
30	Oiler	155 x 53	1
31	Bushing - Rear	PT7388M1	1
32	Quill Rack Gear	PT7357M1	1
33	Flange Bushing	PT7387M1	1
34	Bakelite Ball	PT406NT1	1
35	Cap Screw	114 x 16	2
36	Retaining Plate (37-38-39)	*AS7381M1	1
37	Steel Ball	172 x 12	1
38	Spring	PT3639LH1	1
39	Set Screw	120 x 4	1
40	Rack Pinion Shaft (23)	*AS7386M2	1
41	Sliding Clutch Knob Assembly (34-35-*36-*40)	*AXS7381M1	1



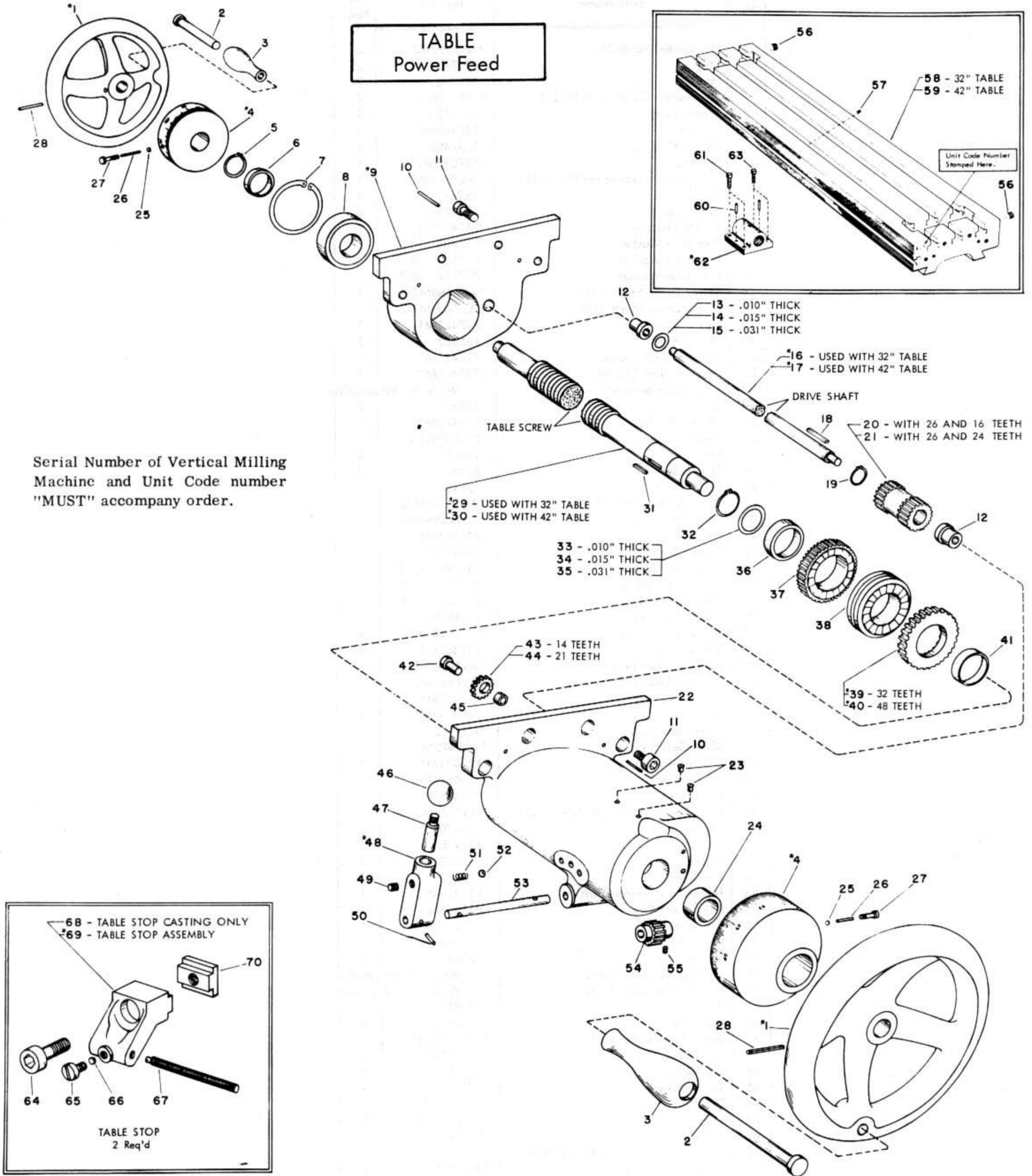
*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name. Quantities are not indicated in sub-assemblies, but correct quantity of each part is included in price.

See List On Reverse Side

HYDRAULIC PUMP & RESERVOIR

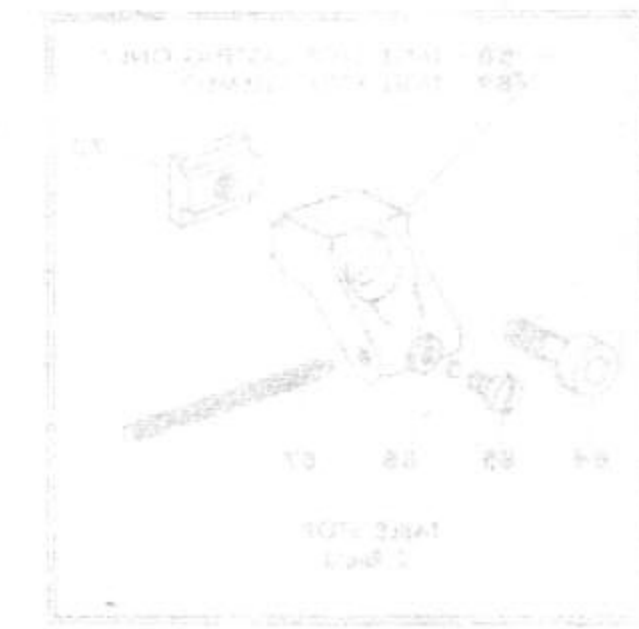
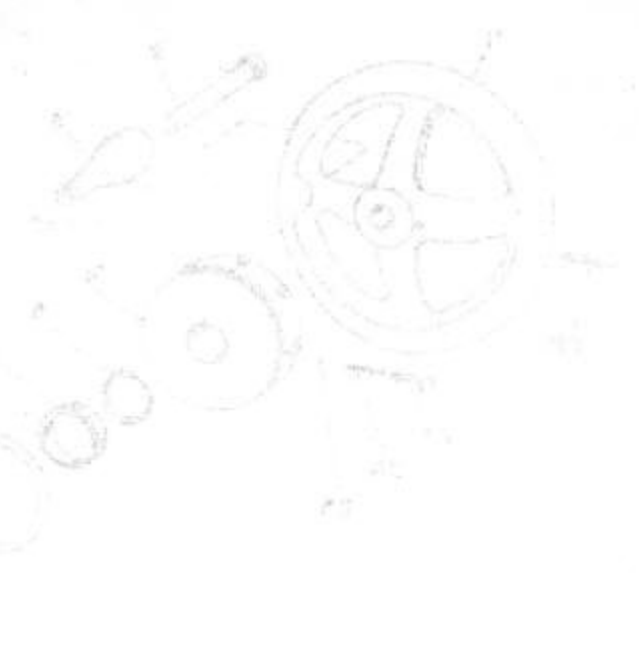
Item No.	Part Name	Part No.	No. Req.
1	By Pass Valve	PT7563M1	1
2	Pipe Nipple	PT7564M1	1
3	Reducer Bushing	152x164	1
4	Pipe Tee	152x26	1
5	Adapter Union	PT7565M1	1
6	Cap Screw	114x10	4
7	Pump Bracket	PT7552M1	1
8	Coupling	PT7567M1	1
9	Coupling	PT7568M1	1
10	Key	PT2070-1	1
11	Pump (10)	Write for Information	
12	Nipple	PT7553M1	1
13	Cap Screw	114x116	4
14	Elbow	SE7415	1
15	Suction Pipe	AS7554M1	1
16	Cap Screw	114x608	6
17	Suction Pipe Washer	PT7556M1	1
18	Suction Pipe Gasket	PT7557M1	1
19	Return Hose Union	AS7566M1	1
20	Reservoir Cover	Write for Information	
21	Reservoir	Write for Information	
22	Vision Window	PT7569M1	2
23	Pipe Plug	152x62	1
24	Cap Screw	114x216	8
25	Hose	PT7574M1	2
26	Fill Plug (27)	*AS7571M1	1
27	"O" Ring	193x22	1
28	Valve Return Pipe	PT7555M1	1
29	Return Pipe Washer	PT7558M1	1
30	Return Pipe Gasket	PT7559M1	1
31	Air Vent	AS7562M1	1
32	Motor - Specify H.P., Phase, Voltage, Cycle and Motor Frame Number	Write for Information	
33	Cap Screw	112x8	4
34	Washer	116x6	4
35	Cap Screw	114x12	4
36	Motor Plate - Shaft End	PT7575M1	1
37	Motor Plate - Opposite Shaft End	PT7576M1	1

HYDRAULIC PUMP & RESERVOIR

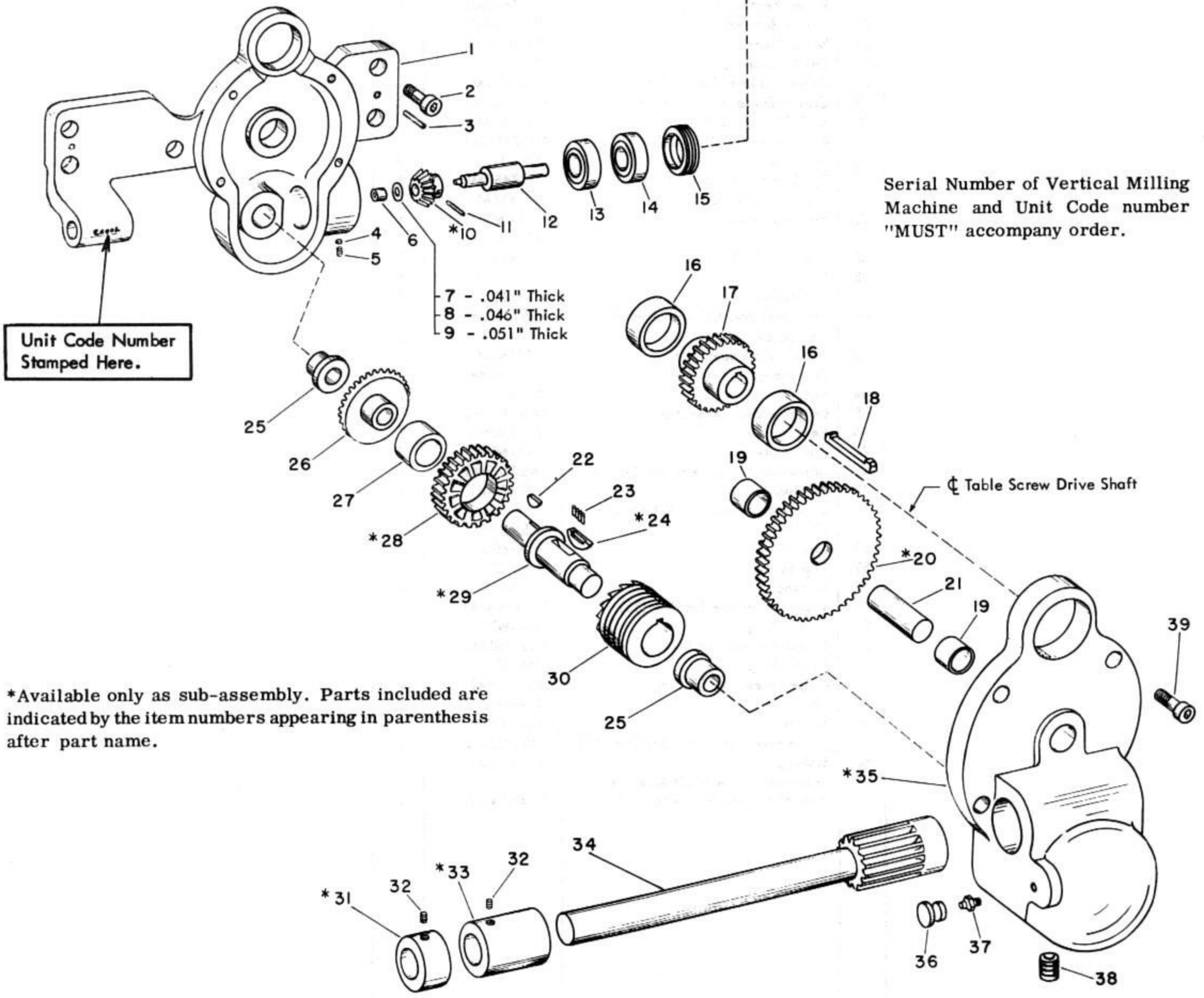
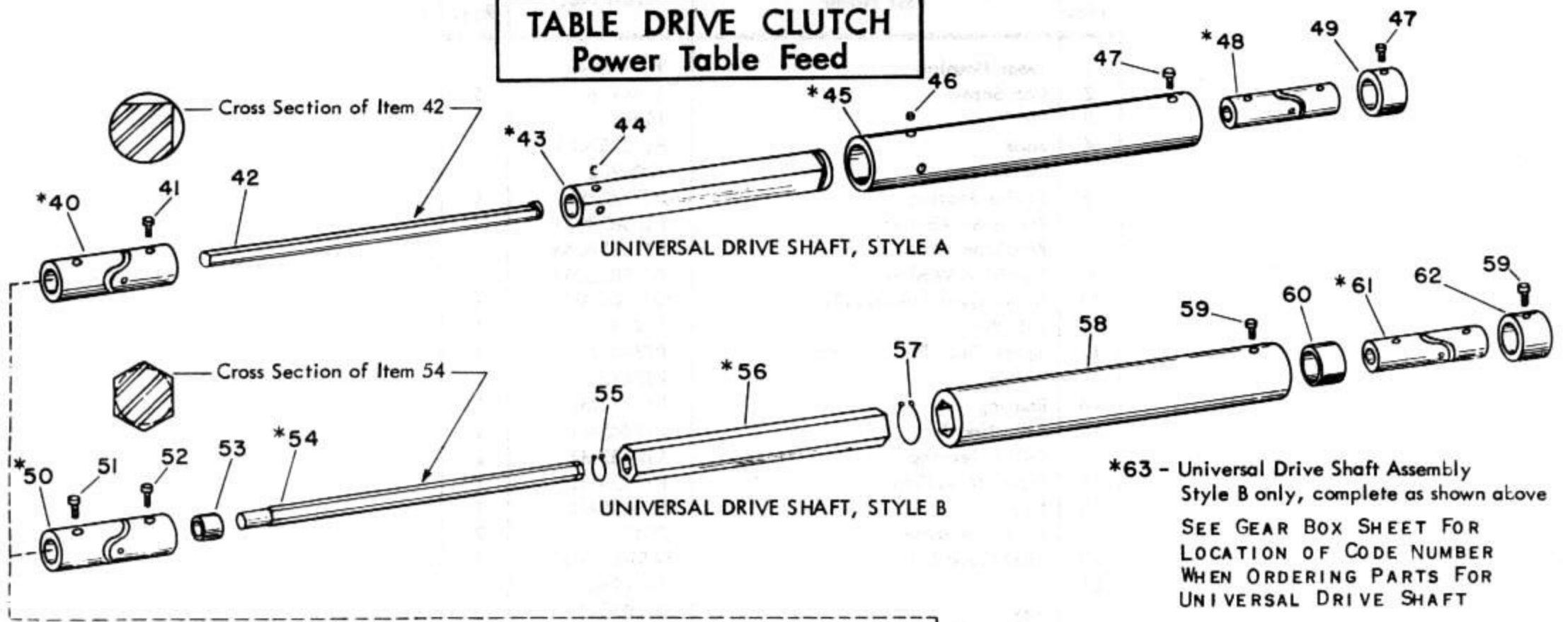


*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Item No.	Part Name	Part No.	No. Req.
1	Handwheel (2-3-28)	*AS7092M2	2
2	Stud	PT1246	2
3	Handle	PT1496	2
4	Graduated Collar (25-26-27)	*AS7018M1	2
5	Truarc Ring	165x101	1
6	Spacer	PT7102M1	1
7	Truarc Ring	165x402	1
8	Bearing	PT7098M1	1
9	L. H. Table Bracket (8-10-11-12)	*AS7028M2	1
10	Pin	153x1	4
11	Cap Screw	114x216	8
12	Oilite Bearing	PT7470M1	2
13	Precision Washer	PT7584 1010	
14	Precision Washer	PT7584 1015	
15	Precision Washer	PT7584 1031	
16	Screw Drive Shaft (18)	*AS7460M132	1
17	Screw Drive Shaft (18)	*AS7460M142	1
18	Key	PT7462M1	1
19	Truarc Ring	165x62	1
20	Drive Pinion Cluster	PT7461M1	1
21	Drive Pinion Cluster	PT7461M2	1
22	R. H. Table Bracket	Write for Information	
23	Oiler	155x17	2
24	Oilite Bearing	PT7478M1	1
25	Shoe	PT1080NK1	2
26	Pin	160x25	2
27	Thumb Screw	PT1857	2
28	Roll Pin	159x5	2
29	Table Screw (5-6-31-32)	*AS7459M132	1
30	Table Screw (5-6-31-32)	*AS7459M142	1
31	Key	PT7464M1	1
32	Truarc Ring	165x100	1
33	Precision Washer	PT7592 2210	
34	Precision Washer	PT7592 2215	
35	Precision Washer	PT7592 2231	
36	Oilite Bearing	PT687FH1	1
37	Screw Feed Gear (36)	*AS7463M1	1
38	Screw Feed Clutch	PT7465M1	1
39	Reverse Gear (41)	*AS7466M1	1
40	Reverse Gear (41)	*AS7466M2	1
41	Oilite Bearing	PT7467M1	1
42	Stud	PT7469M1	1
43	Idler Gear (45)	*AS7472M1	1
44	Idler Gear (45)	*AS7472M2	1
45	Oilite Bearing	PT7471M1	1
46	Bakelite Ball	PT406NT1	1
47	Lever Stem	PT7476M1	1
48	Shift Lever (46-47-49-50-51-52)	*AS7475M2	1
49	Set Screw	126x706	1
50	Roll Pin	159x3	1
51	Spring	162x62	1
52	Steel Ball	172x20	1
53	Feed Shaft Pinion Shaft	PT7474M2	1
54	Feed Shaft Pinion	PT7473M1	1
55	Set Screw	121x1008	1
56	Pipe Plug	152x63	2
57	Set Screw	120x4	1
58	Milling Machine Table	Write for Information	
59	Milling Machine Table	Write for Information	
60	Pin	PT1833-1	2
61	Cap Screw	114x214	2
62	Table Nut (60-61-63)	*AS7022M1	1
63	Cap Screw	112x224	2
64	Cap Screw	114x216	2
65	Thumb Screw	PT1857	2
66	Shoe	PT1078NK1	2
67	Stop Screw	PT1224NH1	2
68	Table Stop	PT7477M1	2
69	Table Stop Assembly (64-65-66-67-70)	*AS7477M1	2
70	Tee Slot Nut	PT7120M1	2



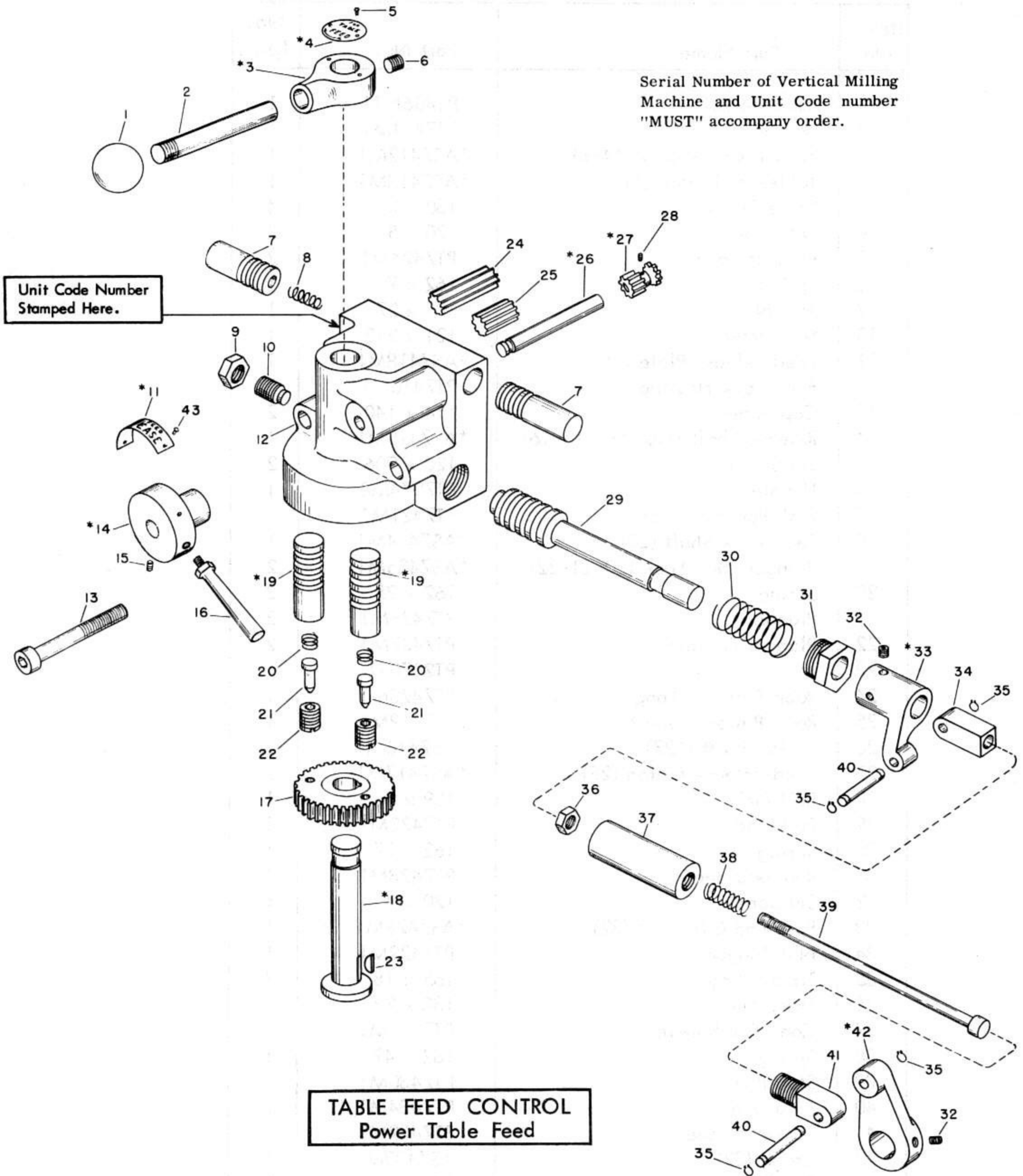
**TABLE DRIVE CLUTCH
Power Table Feed**



Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Item No.	Part Name	Part No.	No. Req.
1	Gear Housing	PT7435M1	1
2	Cap Screw	114x216	5
3	Pin	153x1	2
4	Shoe	PT1078NK1	1
5	Set Screw	120x903	1
6	Oilite Bearing	PT7440M1	1
7	Precision Washer	PT75828041	
8	Precision Washer	PT75828046	
9	Precision Washer	PT75828051	
10	Bevel Gear Pinion (11)	*AS7442M1	1
11	Roll Pin	159x9	1
12	Bevel Gear Pinion Shaft	PT7441M1	1
13	Bearing	PT7443M1	1
14	Bearing	PT7444M1	1
15	Adjusting Nut	PT7445M1	1
16	Oilite Bearing	PT7437M1	2
17	Screw D.S. Gear	PT7454M1	1
18	Key	PT7455M1	1
19	Bronze Bearing	PT4764T1	2
20	Idler Gear (21)	*AS7453M1	1
21	Pin	160x266	1
22	Key	PT2070-1	1
23	Roller - Price per set of 4	AS7451M1	1 set
24	Roller Feather Key (23)	*AS7450M1	1
25	Oilite Bearing	PT7439M1	2
26	Bevel Gear	PT7447M1	1
27	Oilite Bearing	PT7448M1	1
28	Driven Clutch Gear (27)	*AS7449M1	1
29	Clutch Drive Shaft (22-24)	*AS7446M1	1
30	R. G. Driver Clutch	PT7452M1	1
31	Pinion Shaft Collar (32)	*AS7458M1	1
32	Set Screw	120x4	2
33	Pin. Shaft Ext. Collar (32)	*AS7457M1	1
34	Clutch Pinion Shaft	PT7456M1	1
35	Housing Cover	PT7436M1	1
36	Lubricap	PT7187	1
37	Alemite Fitting	190x1641	1
38	Pipe Plug	PT1510-1	1
39	Cap Screw	114x12	4
40	Universal Joint, Clutch End (41)	*AS7479M1	1
41	Cap Screw	114x608	2
42	Small Telescope Section	PT7484M1	1
43	Telescope Section (44)	*AS7483M1	1
44	Key	PT7481M1	2
45	Large Telescope Section (46)	*AS7482M1	1
46	Key	PT7480M1	2
47	Cap Screw	114x605	2
48	Universal Joint, Gear Box End (47)	*AS7485M1	1
49	Bushing	PT7486M1	1
50	Universal Joint, Clutch End (51-52-53)	*AS7479M2	1
51	Cap Screw	114x608	1
52	Cap Screw	114x708	1
53	Bushing	PT7541M1	1
54	Small Telescope Section (55)	*AS7484M2	1
55	Truarc Ring	165x800	1
56	Telescope Section (57)	*AS7483M2	1
57	Truarc Ring	165x801	1
58	Large Telescope Section	PT7482M2	1
59	Cap Screw	114x605	2
60	Bushing	PT7540M1	1
61	Universal Joint, Gear Box End (59)	*AS7485M2	1
62	Bushing	PT7486M1	1
63	Universal Drive Shaft Assembly (*50-*54-*56-58-60-*61-62)	*AXS7484M2	1



Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

Unit Code Number Stamped Here.

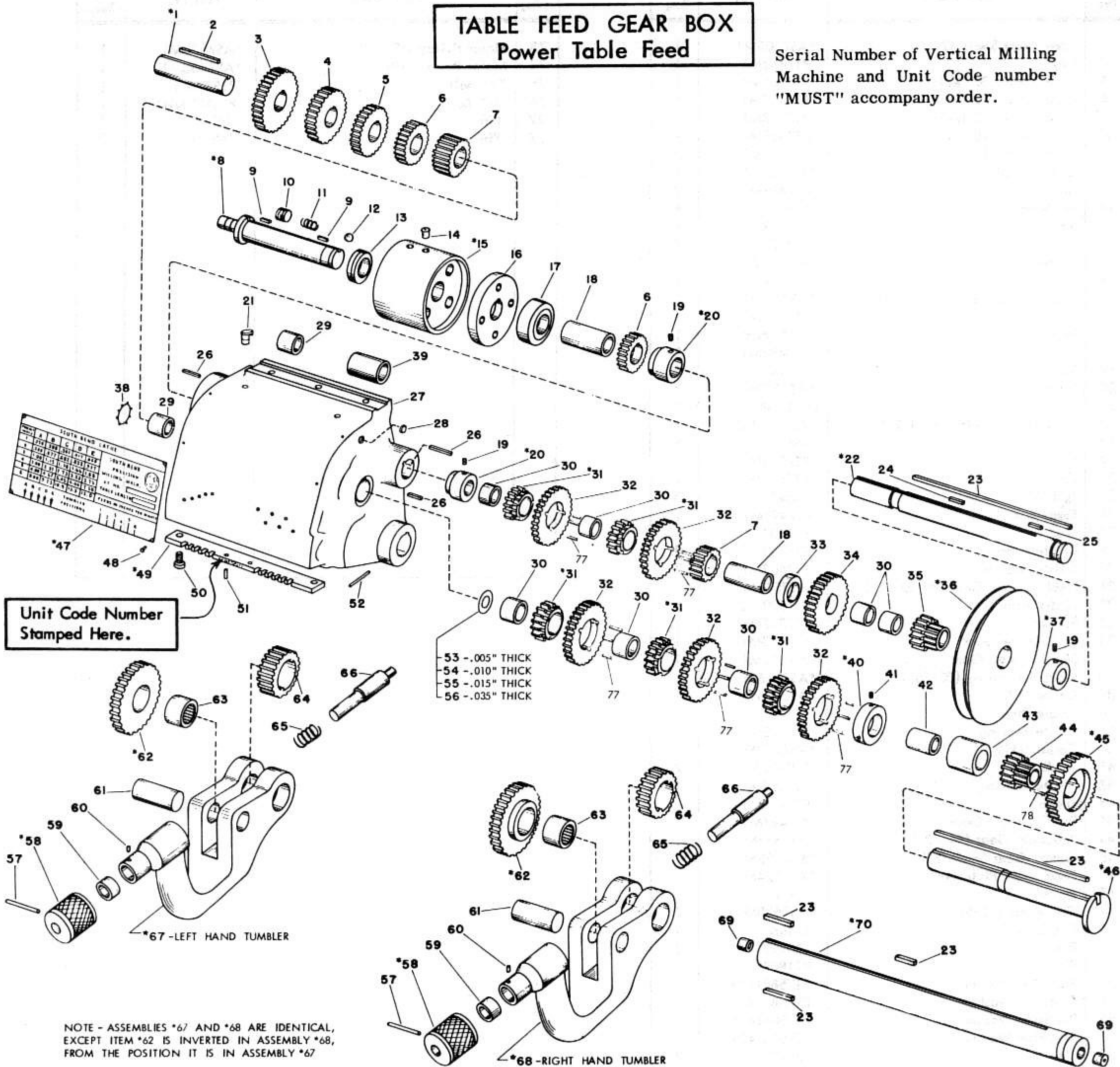
TABLE FEED CONTROL
Power Table Feed

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Item No.	Part Name	Part No.	No. Req.
1	Bakelite Ball	PT406NT1	1
2	Handle	PT7411M1	1
3	Feed Lock Lever (2-*4-6)	*AS7412M1	1
4	Table Feed Plate (5)	*AS7413M1	1
5	Drive Screw	130 x 3	4
6	Set Screw	120 x 5	2
7	Plunger Rack	PT7424M1	2
8	Spring	162 x 7	1
9	Jam Nut	139 x 27	1
10	Set Screw	121 x 212	1
11	Feed Release Plate (5)	*AS7418M1	1
12	Feed Lock Housing	PT7410M1	1
13	Cap Screw	114 x 140	2
14	Release Shaft Hub (*11-15-16)	*AS7415M1	1
15	Set Screw	120 x 906	2
16	Handle	PT7074M2	1
17	Push Rod Pin. Gear	PT7421M1	1
18	Feed Lock Shaft (23)	*AS7414M1	1
19	Plunger Rack Lock (20-21-22)	*AS7425M1	2
20	Spring	162 x 25	2
21	Plunger	PT7426M1	2
22	Plunger Retainer	PT7427M1	2
23	Key	PT2070-1	1
24	Rack Pinion - Long	PT7420M1	1
25	Rack Pinion - Short	PT7419M1	1
26	Pinion Shaft (*27)	*AS7416M1	1
27	Feed Release Pinion (28)	*AS7417M1	1
28	Roll Pin	159 x 8	1
29	Push Rod	PT7422M1	1
30	Spring	162 x 37	1
31	Rod Retainer	PT7423M1	1
32	Set Screw	120 x 4	4
33	Push Rod Off - Set (32)	*AS7428M1	1
34	Nut Tongue	PT7429M1	1
35	Truarc Ring	165 x 18	4
36	Hex. Nut	138 x 23	1
37	Con. Rod Sleeve	PT7431M1	1
38	Spring	162 x 49	1
39	Stop Rod	PT7430M1	1
40	Pivot Pin	PT7434M1	2
41	Screw Tongue	PT7432M1	1
42	Crank (32)	*AS7433M1	1
43	Pop Rivet	134 x 4	1

**TABLE FEED GEAR BOX
Power Table Feed**

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.



Unit Code Number Stamped Here.

- 53 -.005" THICK
- 54 -.010" THICK
- 55 -.015" THICK
- 56 -.035" THICK

NOTE - ASSEMBLIES *67 AND *68 ARE IDENTICAL, EXCEPT ITEM *62 IS INVERTED IN ASSEMBLY *68, FROM THE POSITION IT IS IN ASSEMBLY *67

- *71 - FOR 60 CYCLE #48 FRAME MOTOR
 - *72 - FOR 50 CYCLE #48 FRAME MOTOR
 - *73 - FOR 60 CYCLE #56 FRAME MOTOR
 - *74 - FOR 50 CYCLE #56 FRAME MOTOR
-
- 75 - FOR USE WITH #48 FRAME MOTOR
 - 76 - FOR USE WITH #56 FRAME MOTOR

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

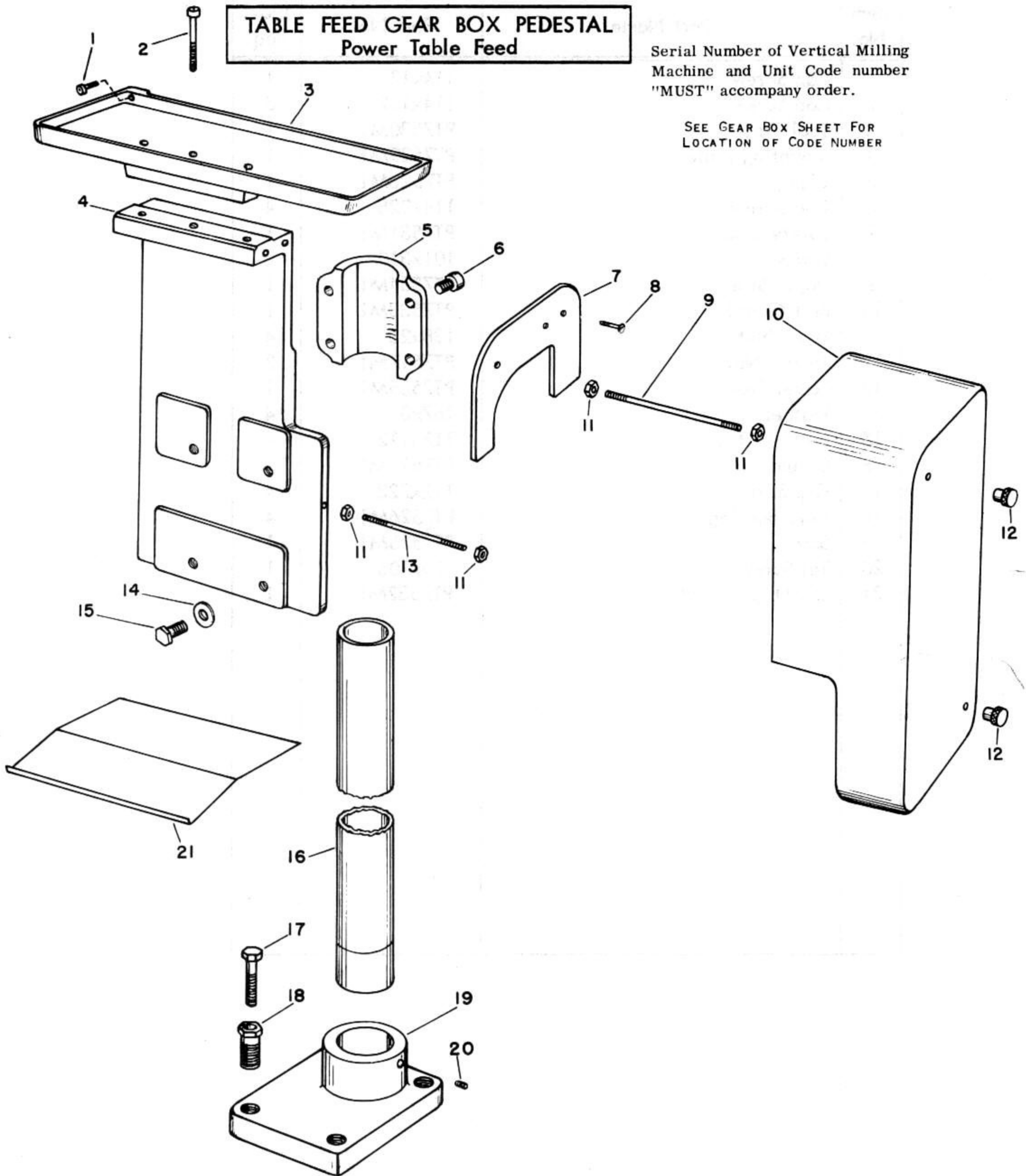
Item No.	Part Name	Part No.	No. Req.	Item No.	Part Name	Part No.	No. Req.
1	Cone Gear Shaft (2)	*AS7503M1	1	73	Motor Pulley (19)	*AS7536M1	1
2	Key	PT7462M1	1	74	Motor Pulley (19)	*AS7538M1	1
3	Cone Gear, 30 Teeth	PT7506M1	1	75	"V" Belt	PT5126-1	1
4	Cone Gear, 26 Teeth	PT7507M1	1	76	"V" Belt	PT5127NH1	1
5	Cone Gear, 22 Teeth	PT7508M1	1	77	Pin	160x1	3
6	Cone Gear, 18 Teeth	PT7509M1	2	78	Pin	160x16	2
7	Cone Gear, 16 Teeth	PT7510M1	2				
8	Output Shaft (9)	*AS7488M1	1				
9	Key	PT7489M1	2				
10	Set Screw	126x757	4				
11	Spring	162x49	4				
12	Steel Ball	172x24	4				
13	Thrust Bearing	AS841T2	1				
14	Oiler	155x14	1				
15	Clutch Housing (10-11-12-14)	*AS7487M1	1				
16	Clutch Driver	PT7490M1	1				
17	Bearing	PT502NH1	1				
18	Oilite Bearing	PT7492M1	2				
19	Set Screw	120x4	5				
20	Collar (19)	*AS7539M	2				
21	Oiler	155x38	2				
22	Main Drive Shaft (23-24-25)	*AS7511M1	1				
23	Felt Wick	256x1	5				
24	Key	PT7518M1	1				
25	Key	PT7514M1	1				
26	Felt Wick	256x3	3				
27	Gear Box	PT7491M1	1				
28	Plug	PT1500	1				
29	Oilite Bearing	PT6760R1	2				
30	Oilite Bearing	PT7502M1	7				
31	Small Comp. Gear (30-32-77)	*AS7501M2	5				
32	Order Item 31	PT7500M2	5				
33	Spacer	PT7512M1	1				
34	M.S. Drive Gear	PT7513M1	1				
35	Small Comp. Gear	PT7515M1	1				
36	Gear Box Pulley (30-35)	*AS7516M1	1				
37	Collar (19)	*AS3454T1	1				
38	Truarc Ring	165x775	1				
39	Oilite Bearing	PT7493M1	1				
40	Collar (41)	*AS7499M1	1				
41	Set Screw	120x903	2				
42	Oilite Bearing	PT7494M1	1				
43	Spacer	PT7498M1	1				
44	Small Comp. Gear	PT7497M1	1				
45	Reducing Gear (44 - 2)	*AS7496M1	1				
46	Comp. Gear Shaft (23)	*AS7495M1	1				
47	Feed Index Plate (48)	*AS7524M1	1				
48	Pop Rivet	134 x 4	4				
49	Guide Bar (50-51)	*AS7523M1	1				
50	Cap Screw	111x6	2				
51	Pin	160x19	2				
52	Pin	PT1807	1				
53	Precision Washer	PT75881405					
54	Precision Washer	PT75881410					
55	Precision Washer	PT75881415					
56	Precision Washer	PT75881431					
57	Pin	160x27	2				
58	Plunger Knob (57-65-66)	*MAS88R2	2				
59	Bushing	PT610NR1	2				
60	Pin	160x42	2				
61	Pin	160x252	2				
62	Tumbler Idler Gear (63)	*AS7519M1	2				
63	Needle Bearing	PT384NK1	2				
64	Tumbler Pinion Gear	PT7520M1	2				
65	Spring	162x50	2				
66	Plunger	PT608NR1	2				
67	Tumbler - Left Hand (*58-59-60-61-*62)	*LAS400NK2	1				
68	Tumbler - Right Hand (*58-59-60-61-*62)	*RAS400NK2	1				
69	Oiler	155x17	2				
70	Tumbler Pin Shaft (23-69)	*AS7521M1	1				
71	Motor Pulley (19)	*AS7522M1	1				
72	Motor Pulley (19)	*AS7537M1	1				

*Available only as sub-assembly. Parts included are indicated by the item number appearing in parentheses after part name.

TABLE FEED GEAR BOX PEDESTAL
Power Table Feed

Serial Number of Vertical Milling Machine and Unit Code number "MUST" accompany order.

SEE GEAR BOX SHEET FOR LOCATION OF CODE NUMBER

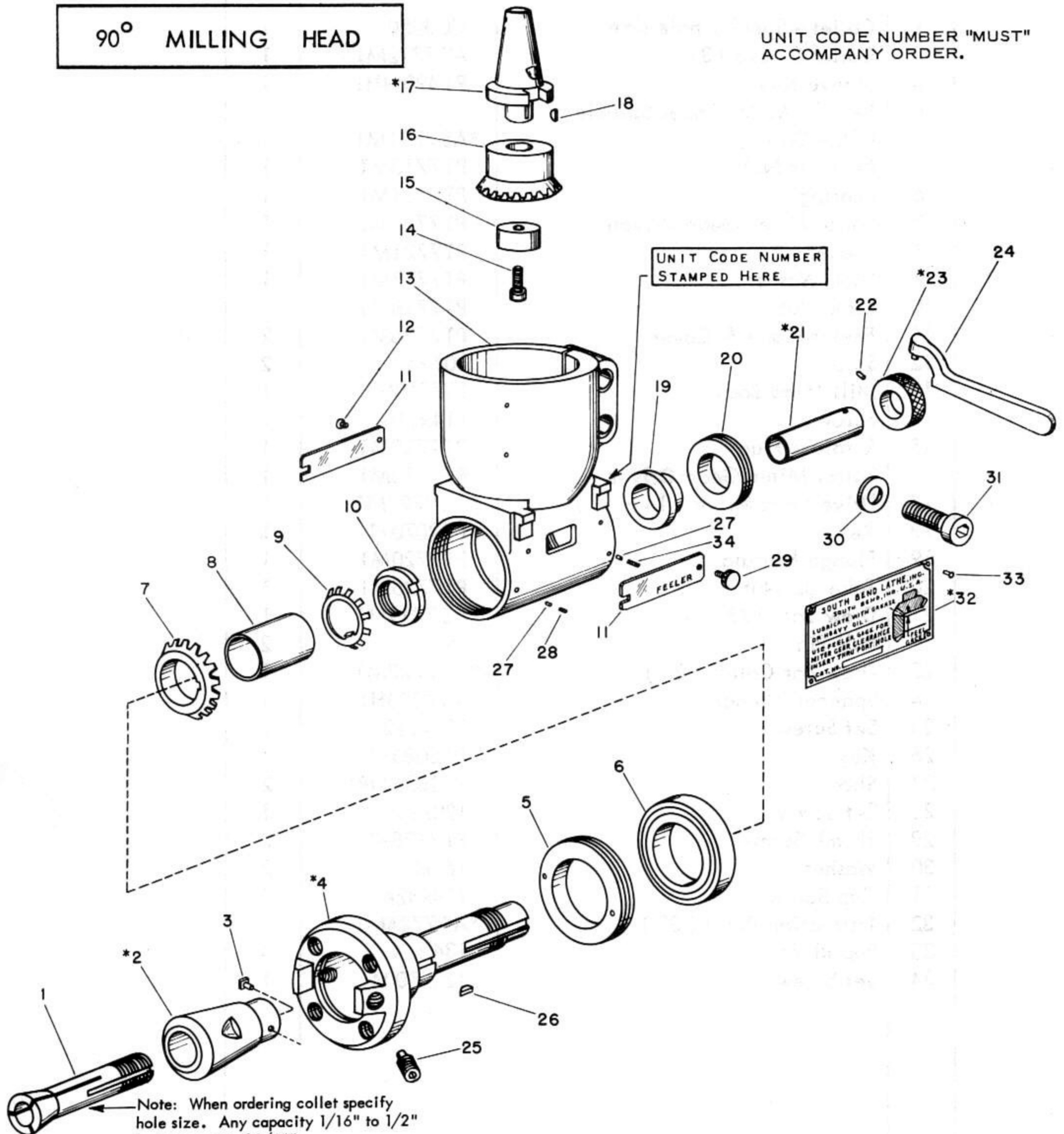


*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

Item No.	Part Name	Part No.	No. Req.
1	Cap Screw	114x12	1
2	Cap Screw	114x132	3
3	Tool Tray	PT7530M1	1
4	Mounting Plate	PT7529M1	1
5	Clamp	PT7528M1	1
6	Cap Screw	114x228	4
7	Safety Guard	PT7531M1	1
8	Screw	101x310	2
9	Upper Stud	PT7534M1	1
10	Belt Guard	PT7533M1	1
11	Hex. Nut	138x23	4
12	Thumb Nut	PT7517M1	2
13	Lower Stud	PT7535M1	1
14	Washer	167x3	4
15	Hex. Nut	112x112	4
16	Column	PT7527M1	1
17	Cap Screw	112x228	4
18	Adj. Bushing	PT7526M1	4
19	Base	PT7525M1	1
20	Set Screw	120x106	1
21	Oil Drip Guard	PT7532M1	1

90° MILLING HEAD

UNIT CODE NUMBER "MUST" ACCOMPANY ORDER.



UNIT CODE NUMBER STAMPED HERE

SOUTH BEND LATHE, INC.
 SOUTH BEND, IND. U.S.A.
 LUBRICATE WITH GARAGE
 OR HEAVY OIL.
 USE FEELER GAGE FOR
 MITH GEAR CLEARANCE
 IN EVERY THRU PORT HOLE
 CAT. NO. _____

Note: When ordering collet specify hole size. Any capacity 1/16" to 1/2" in increments of 1/64". Write for information regarding collets for holding square and hexagonal stock.

*Available only as sub-assembly. Parts included are indicated by the item numbers appearing in parenthesis after part name.

ITEM NO.	PART NAME	PART NO.	NO. REQ.
1	Collet - Specify hole size	CE 3050	1
2	Collet Sleeve (3)	*AS 7712M1	1
3	Sleeve Key	PT 493NH1	1
4	No. 30 M.M. Taper Spindle (25 - 26)	*AS 7711M1	1
5	Retainer Nut	PT 7713M1	1
6	Bearing	PT 7714M1	1
7	Spiral Miter Gear-Driven	PT 7715M1	1
8	Spacer	PT 7721M1	1
9	Lock Washer	PT 7717M1	1
10	Lock Nut	PT 7718M1	1
11	Feeler Gage & Cover	PT 7726M1	2
12	Screw	101x4	2
13	Mill Head Body	PT 7710M1	1
14	Screw	114x114	1
15	Retainer Plug	PT 7722M1	1
16	Spiral Miter Gear-Driver	PT 7716M1	1
17	Drive Gear Arbor (14 - 18)	*AS 7727M1	1
18	Key	PT 2070-1	1
19	Flange Bearing	PT 7720M1	1
20	Take Up Nut	PT 7725M1	1
21	Draw Bar (* 23)	*AS 7719M1	1
22	Roll Pin	159x2	2
23	Draw Bar Collar (22)	*AS 7723M1	1
24	Spanner Wrench	AS 3200H1	1
25	Set Screw	121x112	2
26	Key	PT 2085-1	1
27	Shoe	PT 1076NR1	2
28	Set Screw	120x1002	1
29	Thumb Screw	PT 7728-1	2
30	Washer	161x26	2
31	Cap Screw	114x424	2
32	Instruction Plate (33)	*AS 7724M1	1
33	Pop Rivet	134 x 4	4
34	Set Screw	120x1004	1