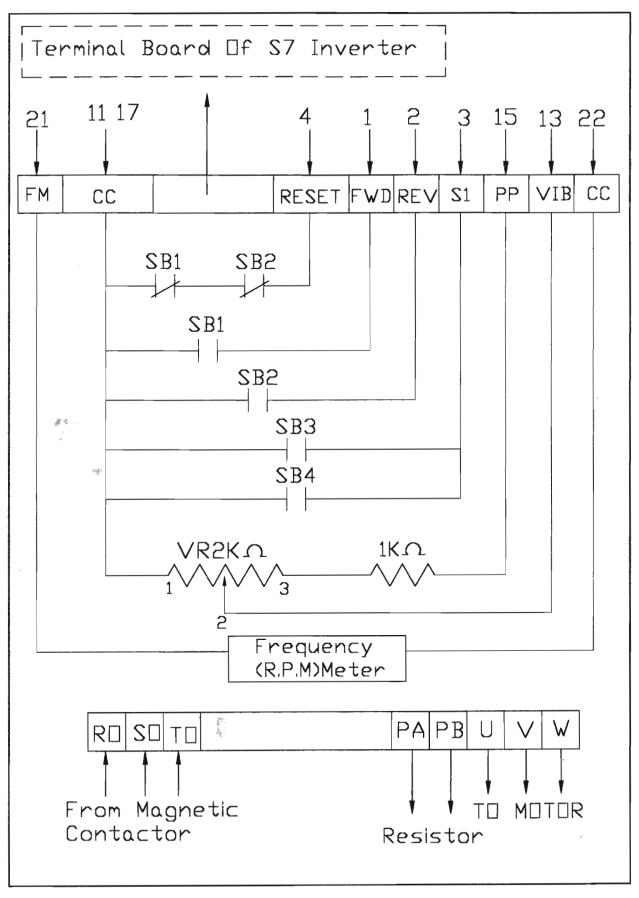
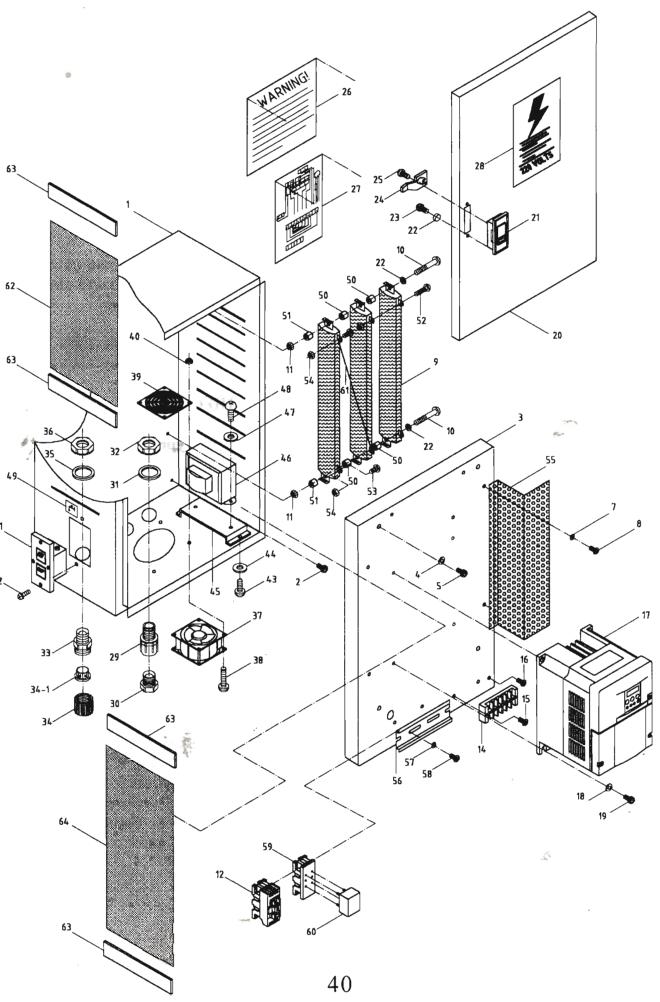


TOSHIBA



The Circuit diagram

E-mill ELECTRIC COMPONENTS -1350 watts



ELECTRIC COMPONENTS—1350 watts

ITEM NO.	PART NO.	FACTORY NO.	DESCRIPTION	Q'TY
1	9600-1		Main Electric Cabinet-1350W	1
2	9601	M6x12	Socket HD Cap Screw	4
3	9602-1		Inverter Locating Plate-1350W	1
4	9603		Washer	4
5	9601	M6x12	Socket HD Cap Screw	4
7	9606		Washer	2
8	9607	M4x10	Round HD Cap Screw	2
9	9506-6	ZRQ450W8 J	DC Bus Resistor-Toshiba-8 ohms	3
	9506- 7	ZRQ450W15 J	DC Bus Resistor-Toshiba-15 ohm	s 3
10	9609-1	M4x70	Round HD Socket Screw	2
11	9610-1		Hex Nut	2
12	9507-2	CN16	5HP Magnetic Contactor-230V	1
	9507-3	CN16	5HP Magnetic Contactor-460V	1
14	9508		Connection Terminal	1
15	9607	M4x10	Round HD Cap Screw	2
16	9607	M4x10	G -Round HD Cap Screw	1
17 🕣	9509	G5	3HP Vector Type Inverter-230V	1
-	9509-1	G5	3HP Vector Type Inverter-460V	1
	9509-2	G5	5HP Vector Type Inverter-230V	1
	9509-3	G5	5HP Vector Type Inverter-460V	1
	9509-4	S7	5HP Toshiba Inverter-230V	1
	9509-5	S7	5HP Toshiba Inverter-460V	1
18	9617	×.	Washer	4
.19	9618	M5x12	Cup HD Cap Screw	4
20	9619-1		Main Cabinet Cover	1
21	9620		Cabinet Lock	1
22	9621		Lock Spacer	2
23	9622	5/32x3/8	Round HD Cap Screw	2
24	9623		Extending Locking Piece	1
25	9624	5/32x1/4	Round HD Cap Screw	2
26	9625		Warning Sign	1
27	9626		Electric Diagram	1
28	9627	Z.	Electric Warning Label	1
29	9628		Nylon Cable Connector-body	1
30	9629		Nylon Cable Connector	
			-Lower cap	1
31	9630		Nylon Cable Connector-spacer	1

ELECTRIC COMPONENTS-1350 watts

ITEM NO.	PART NO.	FACTORY NO.	DESCRIPTION	Q'TY
32	963 1		Nylon Cable Connector-cap	1
33	9654		Nylon Cable Connector-body	1
34	9655		Nylon Cable Connector	
			-Lower cap	1
34-1	9656		Cable Sleeve	1
35	9630		Nylon Cable Connector-spacer	1
36	9631		Nylon Cable Connector-cap	1
37	9510-2		Cooling Fan-110V	1
38	9633	M4x55	Round HD Cap Screw	4
39	9634- 1		Fan Filter	1
40	9635		Nut	4
41	9511		Coolant On/Off Switch	1
42	9607	M4x10	Round HD Cap Screw	2
43	9638	M5x12	Round HD Cap Screw	2
44	9639		Hex Nut	2
45	9640		Transformer Locating Bracket	1
- 46	9512		Transformer-Single Phase-230V	/ 1
	9512-1		Transformer-Single Phase-460V	/ 1
47	9641		Spring Washer	2
48	9638	M5x12	Round HD Cap Screw	2
49	9643		Coolant Indicator Sign	1
50	9644		Aluminum Sleeve-Large	4
51	9645		Aluminum Sleeve-Small	2
52	9646	M5x35	Brass Round HD Cap Screw	1
53	9647	M5x8	Brass Round HD Cap Screw-S	4
54	9648		Brass Hex Nut	7
55	9649		Resistor Cover	1
56	9650		Component Rail	1
57	9641		Spring Washer	2
58	9642	M4x8	Round HD Cap Screw	2
59	9513		Relay Socket Seat (Option)	1
60	9514		Relay (Option)	1
61	9515		Resistor Connecting Wire	1
62	9651		Filter Net-Small	1
63	9652		Net Cover	4
64	9653		Filter Net-Large	1

Mechanical Parts List

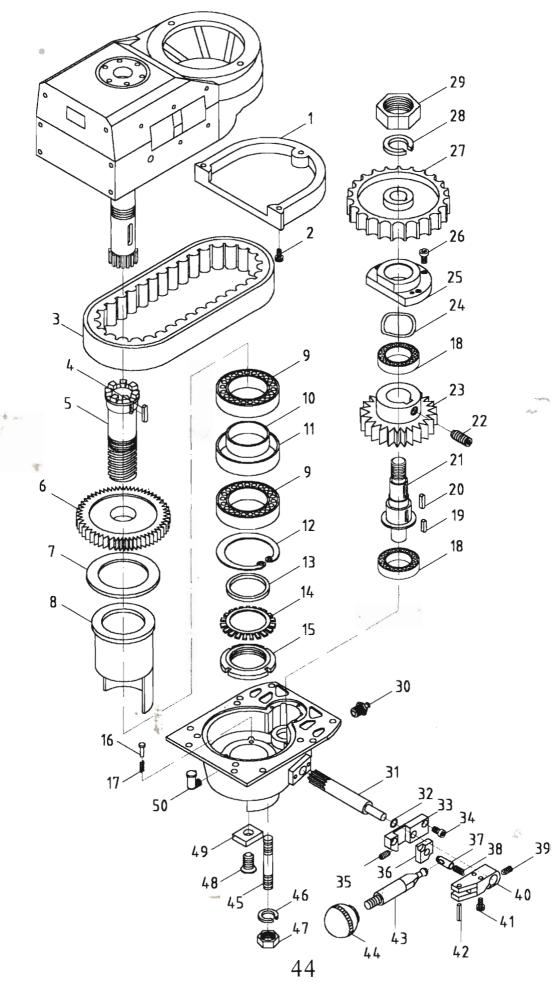
To order parts, please have the following information ready:

- 1. Year of production
- 2. Model and serial number
- 3. Item number and description

Sec. 18

4. Quantity

5HP E-mill HEAD TOP HOUSING



5HP E-mill HEAD TOP HOUSING

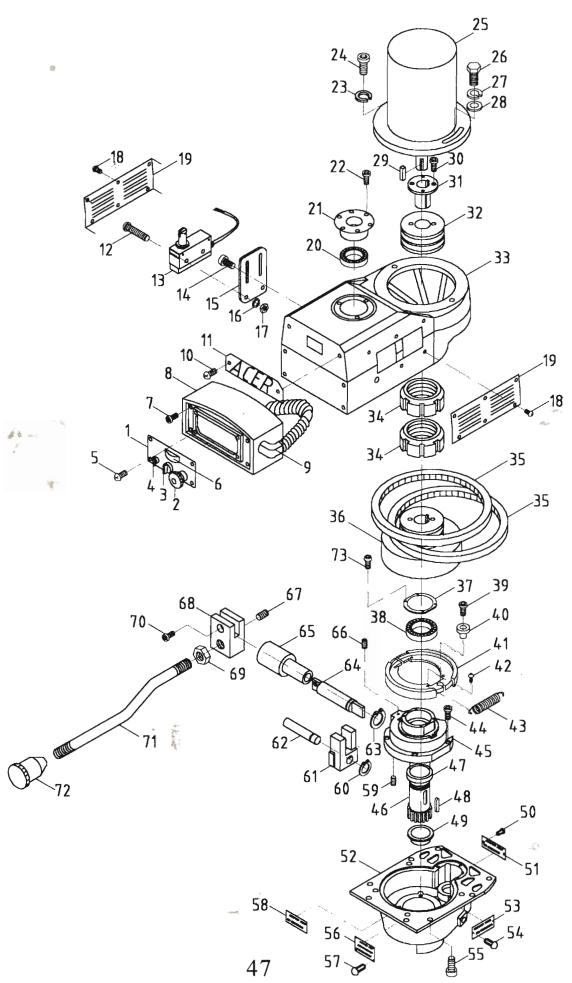
ITEM NO.	PARTS NO	FACTORY NO.	DESCRIPTION	Q'TY
1	8054	VS11	Motor Pulley Cover	1
2	8055	VS12	Socket HD Cap Screw	3
3	5E7036	FVS63	Timing Belt	1
4	5E7081	FVS72	Key	1
5	5E7039	FVS73	Splined Gear Hub	1
6	5E7040	FVS74	Spindle Bull Gear	1
7	5E7057-2	FVS100	Bull Gear Washer	1
8	5E7048	FVS75	Ball Bearing Gear Sleeve	1
9	5E7041	FVS77	Bearing—6910VV	2
10	5E7043	FVS78	Bull Gear Bearing Space	r 1
11	5E7057	FVS79	Bearing Sleeve Spacer	1
12	5E7042	FVS80	Snap Ring	1
13	5E7039-1	FVS	Gear Hub Spacer	1
14	5E7058	FVS73-1	Wave Spring Washer	1
15	5E7056	FVS81	Bearing Lock Nut	1
16	7055-1	VS102	T-Tip Pin	.3
. 17	7055	VS84	Compression Spring	3
18	7079	VS65	Ball Bearing-6203ZZ	2
19	7078	VS69	Key	1
20	7078	VS69	Key	1
21	7080	VS67	Bull Gear Pinion Counter	r
			Shaft	1
22	7077	VS03	Socket Set Screw	1
23	7083	VS66	Bull Gear Pinion	1
24	7082	VS64-1	Wave Spring Washer	1
25	7084	VS64	Bull Gear Pinion Bearing	
			Сар	1
26	7085	VS12	Socket HD Cap Screw	3
27	5E7086	FVS62	Timing Belt Pulley	1
28	5E7087-1	FVS	Spring Washer	1
29	7087	VS61	Jam Nut	1
30	8063-3	VS82-4	Grease Nibble	1
31	5E7059	FVS87	Bull Gear Shrift Pinion	
			Shaft	1
32	5E7059-1	VS	Wave Spring Washer	- 1
33	7060	VS89	Hi-Low Detent Plate	1
34	7068	VS12	Socket HD Cap Screw	2
35	7064	VS	Socket Set Screw	1
36	7065	VS89-1	Adjustable Plate	1

5HP E-mill HEAD TOP HOUSING

ITEM NO.	PARTS NO). FACTORY NO.	DESCRIPTION	Q'TY
37	7066	VS90	Hi-Low Detent Plunger	1
38	7067	VS91	Spring	1
39	5E7071-1	VS	Socket Set Screw	1
40	7071	VS92	Hi-Low Pinion Block	1
41	7072-1	VS92-1	Socket HD Cap Screw	2
42	7072	VS88	Spring Pin	1
43	7070	VS94	Hi-Low Shift Crank	1
44	7069	B24	Bakelite Ball	1
45	5E7063	FVS85	Stud	3
46	5E7062	FVS85-1	Spring Washer	3
47	5E7061	FVS85-2	Hex Nut	3
48	5E7049-1	FVS83-1	Flat HD Cap Screw	2
49	5E7049-2	FVS83-2	Brass Locating Plate	2
50	7054	VS82-1	Oil Cup	1

1.1.1

5HP E-mill HEAD BACK GEAR



5HP E-mill HEAD BACK GEAR

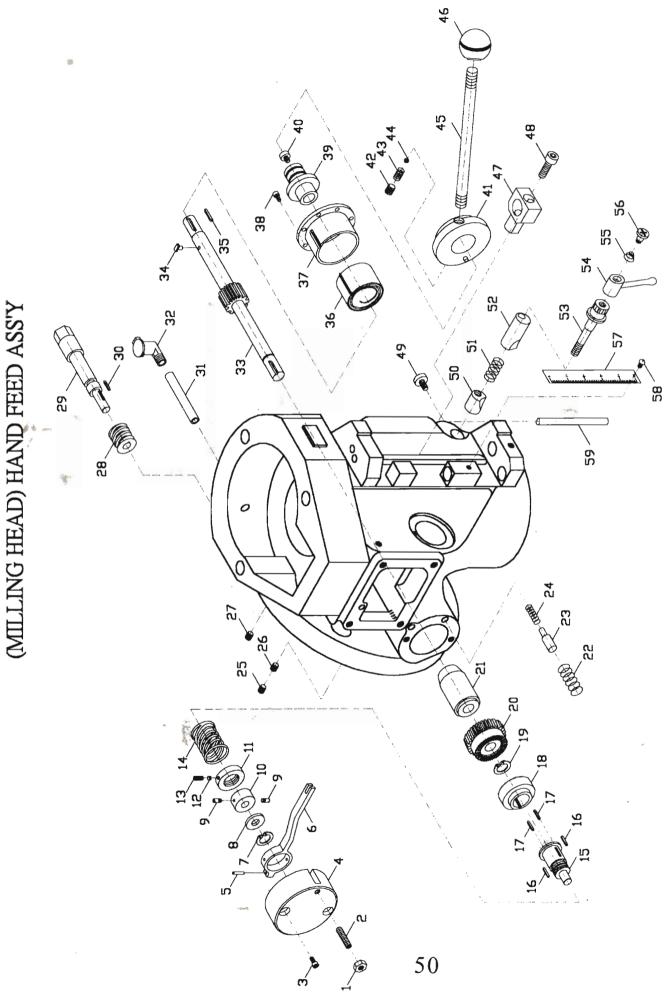
ITEM NO.	PARTS NO.	FACTORY NO.	DESCRIPTION	Q'TY
1	5EH7023-1	FVS16-5	Chrome Face Plate	1
2	9500	VS	Emergency Switch	1
3	950 1	VS	F/R Switch	1
4	9502	VS	Variable Resistor	1
5	7022-1	VS17-1	Round Socket Cap Screw	
6	5E9503	VS	RPM Meter	1
7	H7025	VS17	Socket HD Cap Screw	4
8	H7005-1	VS16-6	Speed Changer Housing	1
9	9504	VS	Control Wire Cable	1
10	H8010-3	VS1-6	Round Socket Cap Screw	2
11	H8010-1	VS1-4	ACER Name Plate	1
12	7022-2	VS	Round Socket Cap Screw	2
13	9505	VS	Limit Switch w/Cable	1
14	7022-5	VS	Socket HD Cap Screw	2
15	H8010-2	VS1-5	Limit Switch Bracket Pla	te 1
16	7022-3	VS	Spring Washer	2
17	7022-4	VS	Hex Nut	2
18	H7088-1	VS101-1	Round Cap Wooden Scre	w 12
19	H7088	VS101	Ventilator	2
20	5E8004	FVS15	Ball Bearing6209ZZ	1
21	5E7013	FVS13	Top Bearing Cap	1
22	8001	VS14	Socket HD Cap Screw	3
23	8009-3	VS	Wave Lock Washer	1
24	8009	VS	Socket HD Cap Screw	1
25	5E8008-1	VS	5 HP Spindle Motor	1
26	8009	VS	Socket HD Cap Screw	1
27	8009-3	VS	Wave Lock Washer	1
28	8009-2	VS	Washer	1
29	8039-1	VS06-1	Key	1
30	8040-3	VS02-3	Hex HD Screw	2
3 1	8040-2	VS02-2	V-Belt Pulley Sleeve	1
32	5E8040-1	FVS02-1	3V Belt Pulley	1
33	5E8010	FVS01	Belt Housing	1
34	5E8034-1	FVS70-2	Spindle Hub Lock Nut	2
35	5E8027-1	FVS04-1	3V Belt	2
36	5E8028-1	FVS45-1	Stationary Driven Pulley	1
37	5EH8053-3	FVS50-3	Brake Shoe Lock Plate	1
38	5E8023	FVS43	Ball Bearing-6013VV	1
39	8035	VS14	Round Socket Cap Screw	1

5HP E-mill HEAD BACK GEAR

ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION Q'TY

40	8036	VS48	Brake Shoe Pivot Sleeve	1
41	5E8032	FVS47	Brake Shoe Assembly	1
42	8032-1	VS47-1	Round Cap Screw	4
43	8031	VS47-1 VS49	Brake Spring	2
44	H8064	VS51	Socket HD Cap Screw	4
45	5EH8053-2	FVS50-2	Belt Housing Base	1
46	5E8034-5	FVS70-1	Spindle Pulley Hub	1
4 7	5E8033	FVS98	Spindle Pulley Spacer	1
48	5E8049-1	FVS71-1	Key	1
49	5E7038	FVS105	Timing Pulley Clutch	I
47	3E/0 3 0	r v 5105	Sleeve	1
50	8059	VS	Drive Screw	2
50 51	8063-2	VS01-1	Grease Add Name Plate	1
51 52	5EH8063	FVS82	Gear Housing	1
53	8058	VS82-2	Hi-Low Range Name Plate	-
54	8059	VS02-2 VS	Drive Screw	2
55	8055	VS12	Socket HD Cap Screw	8
56	8061	VS12 VS82-1	Quill Feed Name Plate	1
57	8059	VSU2-1 VS	Drive Screw	4
58	H8063-1	VS82-3	Oil Add Name Plate	1
59	H8077	VS99	Socket Set Screw	1
60	8066	VS60	Snap Ring	1
61	8067	VS59	Brake Operating Finger	2
62	8068	VS58	Brake Finger Pivot Stud	1
63	8066-1	VS60-1	Snap Ring	1
64	H8074	VS53	Brake Lock Shaft	1
65	H8073	VS52	Sleeve for Brake Lock	
	110070	1502	Sheeve for brake Lock Shaft	1
66	H8077	VS99	Socket Set Screw	1
67	8072	VS54-1	Socket Set Screw	1
68	8070-2	VS54	Brake Handle Block	1
69	8070-1	VS56-1	Hex Nut	1
70	8071-1	VS55-1	Socket HD Cap Screw	1
71	5E8070	FVS56	Brake Lock Handle	1
72	8069	VS57	Bakelite Ball Handle	1
73	5EH8053-4		Round Socket Cap Screw	4
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Note: To order parts for milling head, basic machine and table assembly, please search the main manual for the right part number.



ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION

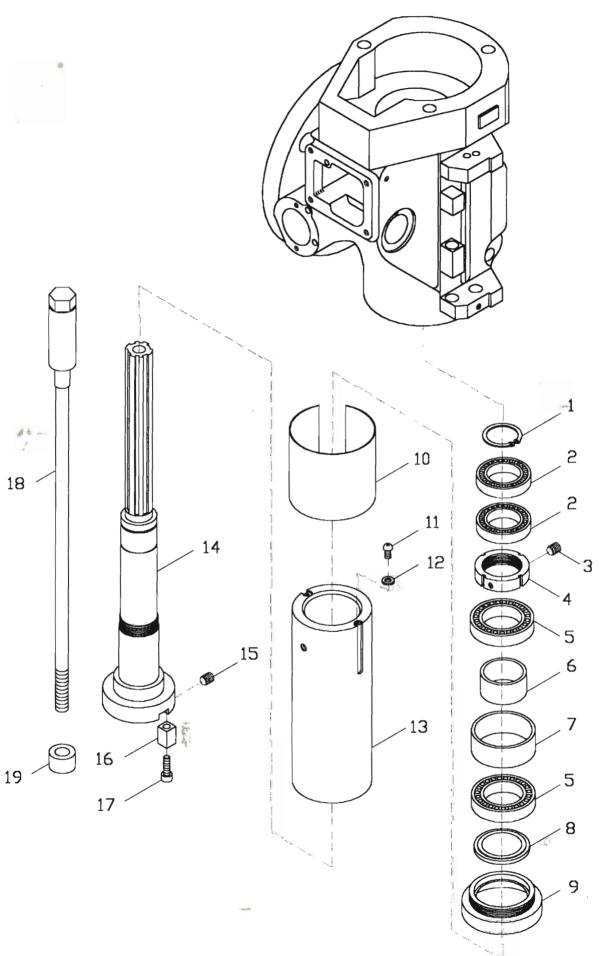
Q'TY

1	5K-6208	M6	Hex Nut	1
2	5K-6207	M6x16	Socket Set Screw	1
3	5K-6206	M5x35	Socket HD Cap Screw	2
4	5K-6205	B99	Clutch Arm Cover	1
5	5K-6204	5x20	Roll Pin	1
6	5K-6203	FB96	Overload Clutch Trip Lever	1
7	5K-6195-1	C10	Snap Ring	1
8	5K-6201	B97	Overload Clutch Washer	1
9	5K-6202	B74	Clutch Ring Pin	2
10	5K-6200	B75	Clutch Ring	1
11	5K-6198	B78	Overload Clutch Lock nut	1
12	5K-6199-1		Brass Plug	1
13	5K-6199	M6x6	Socket Set Screw	1
14	5K-6197	FB79	Safety Clutch Spring	1
15	5K-6195	FB81	Overload Clutch Sleeve	1
16	5K-6196	5x20	Key	2
17	5K-6196	5x25	Key	2
18	5K-6194	FB80	Overload Clutch	1
19	5K-6188-1	C16	Snap Ring	1
20	5K-6187+88	FB92+93	Overload Clutch Worm Gear	
			and Ring	1
21	5K-6186	FB90+91	Quill Pinion Shaft Bushing	1
22	5K-6192	B88-1	Compression Spring	1
23	5K-6193	B89	Overload Clutch Lever Spring	
			Plunger	1
24	5K-6191	FB88	Compression Spring	1
25	5K-6246-1	M6x6	Socket Set Screw	1
26	5K-6246	M6x16	Lock Screw	1
27	5K-5042		Set Screw Plunger	1
28	5K-5039	B186	Worm Gear	1
29	5K-5040	FB189	ADJ Worm Shaft	1

ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION Q'TY

30	5K-5041	4x20	Key	1
31	5K-6133-1		Bronze Tubing	1
32	5K-6133	,	Oil Cup	1
33	5K-6172	FB166	Quill Pinion Shaft	1
34	5K-6172-1	B168	Cap Tip- T shape	1
35	5K-6184	3x20	Key	1
36	5K-6181	FB178	Clock Spring	1
37	5K-6180	FB177	Spring Cover	1
38	5K-6180-1	M5x12	Socket HD Cap Screw	2
39	5K-6182	B176	Pinion Shaft Hub Sleeve	1
40	5K-6183	B172	Pinion Shaft Hub Screw	1
41	5K-6178	B175	Rack Feed Handle Hub	1
42	5K-6177	M8x6	Socket Set Screw	1
43	5K-6175		Compression Spring	1
44	5K-6176		Steel Ball	1
45	5K-6174	B190	Pinion Shaft Hub Handle	1
46	5K-6173	B191	Black Plastic Ball	1
47	5K-6105	FB164	Quill Stop Knob	1
48	5K-6106	3/8x5/8x24T	Socket HD Cap Screw	1
49	5K-6253	B154	Cap Screw	1
50	5K-6116B	B148	Quill Lock Sleeve Tapped	1
51	5K-6116-1	B152-1	Compression Spring	1
52	5K-6116A	FB153	Quill Lock Sleeve	1
53	5K-6117	FB152	Quill Lock Bolt	1
54	5K-6119	FB149	Lock Handle	1
55	5K-6117-1		Spring	1
56	5K-6117-2		Spring Screw	1
57	5K-6243	B159	Micrometer Scale	1
58	5K-6244	M4x8	Round HD Cap Screw	2
59	5K-6251	B147	Set Bar	1

(MILLING HEAD) SPINDLE ASS'Y

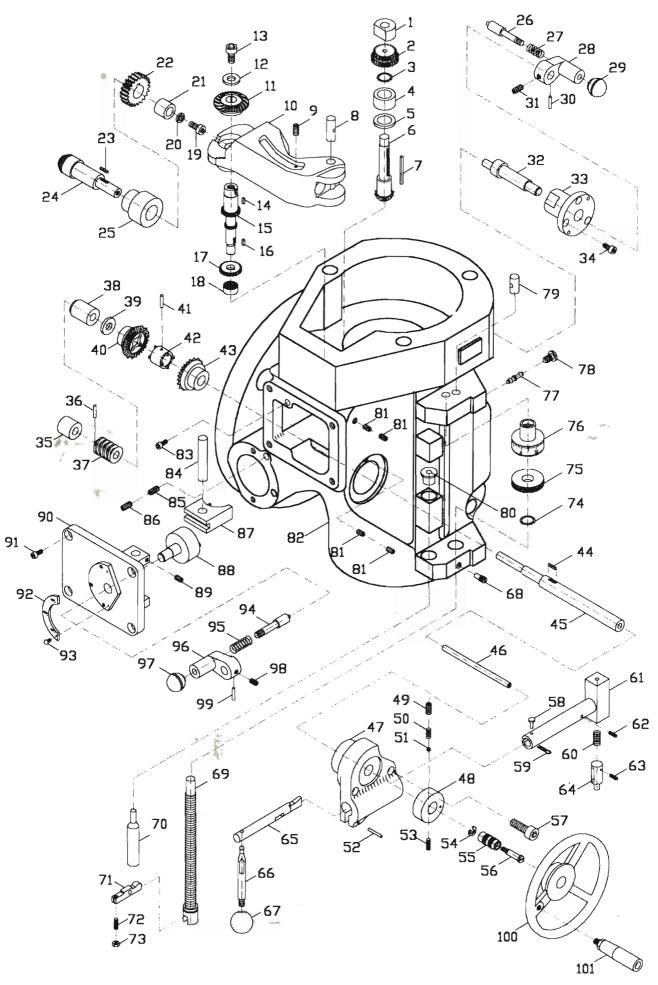


5HP (MILLING HEAD) SPINDLE ASS'Y

ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION

Q'TY

1	5K-6090	C40	Snap Ring	1
2	5K-6092		Ball Bearing- 6008LLB	2
3	5K-6094-1	M8x6	Socket Set Screw	2
4	5K-6094	FB129	Lock Nut	1
5	5K-6093		Ball Bearing- 7010	2
6	5K-6096	FB137	Bearing Spacer- Small	1
7	5K-6095	FB136	Bearing Spacer- Large	1
8	5K-6097	FB134	Spindle Dirt Shield	1
9	5K-6098	FB133	Nose Piece	1
10	5K-6086	FB128	Quill Skirt	1
11	5K-6088-1	M5x8	Felt Washer Screw	2
12	5K-6088-2	M5	Washer	2
13	5K-6085	FB142	Quill	1
14	5K-6084	FB127	Spindle #40	1
15	5K-6085-1	M5x8	Socket Set Screw	1
16	5K-6099	FB127-1	Keeper Key	2
17	5K-6100	M8x25	Socket HD Cap Screw	2
18	5K-8014		Drawbar	1
19	5K-8020		Drawbar Washer	1



ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION

Q'TY

	1	5K-6157	B27	Cluster Gear Shaft Upper	
				Bearing	1
	2	5K-6153	FB28	Cluster Gear Assembly	1
	3	5K-6158	C16	Snap Ring	1
	4	5K-6156	FB33	Bevel Gear Bearing	1
	5	5K-6159	FB34	Bevel Gear Thrust Spacer	1
	6	5K-6151	FB31+35	Cluster Gear Shaft	1
	7	5K-6160	M3x35	Cluster Gear Key	1
	8	5K-6122	B16	Feed Engage Pin	1
	9	5K-6123	M6x6	Socket Set Screw	1
n (10	5K-6121	FB17	Worm Gear Cradle	1
	11	5K-6148	FB15	Feed Reverse Bevel Gear	1
	12	5K-6149	FB13, 3/8"	Washer	1
	13	5K-6150	3/8x1/4	Socket HD Cap Screw	1
	14	5K-6147	3x8	Key	1
	15	5K-6143	FB36	Feed Driving Gear Shaft	1
	16	5K-6145	3x10	Key	1
	17	5K-6144	FB40	Feed Drive Gear	1
	18	5K-6252	BA66	Needle Bearing	1
	19	5K-6124	M6x12	Socket HD Cap Screw	1
	20	5K-6140	M6	Washer	1
	21	5K-6136-1		Worm Gear Bushing	1
	22	5K-6134		Feed Drive Worm Gear	1
	23	5K-613 5	3x12	Key	1
	24	5K-6139		Feed Bevel Pinion	1
	25	5K-6136+37		Worm Gear Cradle Bushing	1
	26	5K-6169	B2 0	Gear Shift Plunger	1
	27	5K-6170	B21	Compression Spring	1
	28	5K-6168	B23	Shift Crank	1
	29	5K-6131	B24	Black Plastic Ball	1
	30	5K-6128	3x20	Spring Pin	1

ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION

Q'TY

31	5K-6168-1	M5x5	Socket Set Screw	1
32	5K-6126	B18	Worm Gear Cradle Throw-out	1
33	5K-6125	B19	Shift Sleeve	1
34	5K-6132	M5x12	Socket HD Cap Screw	3
35	5K-6227	B42	Bushing	1
36	5K-6226	3x10	Spring Pin	1
37	5K-6225	B43	Worm	1
38	5K-6224	FB44	Feed Worm Shaft Bushing	1
39	5K-6223	B47	Feed Worm Shaft Thrust	
			Washer	1
40	5K-6220	B48+49	Feed Reverse Bevel Gear	1
41	5K-6217	3x20	Spring Pin	1
42	5K-6222	B50	Feed Reverse Clutch	1
43	5K-6220	B48+49	Feed Reverse Bevel Gear	1
44	5K-6230	3x15	Key	1
45	5K-6209	FB57	Feed Worm Shaft	1
46	5K-6216	FB55	Reverse Clutch Rod	1
47	5K-6231	FB106	Feed Trip Bracket	1
48	5K-6218	B113	Handwheel Clutch	1
49	5K-6219-1	M8x6	Socket Set Screw	1
50	5K-6219-2	B115	Compression Spring	1
51	5K-6255	B114	Steel Ball	1
52	5K-6231-1	5x20	Dowel Pin	1
53	5K-6219	M6x6	Socket Set Screw	1
54	5K-6215	B112, E5	Snap Ring	1
55	5K-6213	B111	Reverse Knob	1
56	5K-6214	B 110	Feed Reverse Knob Stud	1
57	5K-6232	M6x25	Socket HD Cap Screw	2
58	5K-6236-1		Dowel Pin	1
59	5K-6241-1	#2	Y Pin	1
60	5K-6242	B120	Compression Spring	1

ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION Q'TY

61	5K-6236	FB118	Cam Rod Sleeve Assembly	1
62	5K-6237	3x16	Spring Pin	1
63	5K-6241	3x12	Spring Pin	1
64	5K-6240	B121	Trip Plunger	1
65	5K-6239	FB103	Cam Rod	1
66	5K-6234	FB104	Trip Handle	1
67	5K-6131	B24	Black Plastic Ball	1
68	5K-6112		Trip Lever Pin	1
69	5K-6104	B164	Quill Stop Micro-Screw	1
70	5K-6118	B124	Feed Trip Plunger	1
71	5K-6111	B145	Feed Trip Lever	1
72	5K-6113	B146, M4x20	Socket Set Screw	1
73	5K-6113-1	M4	Hex Nut	1
74	5K-6115	C16	Snap Ring	1
75	5K-6108	B161	Quill Micro-Stop Nut	1
76	5K-6107	B162	Micrometer Nut	1
77	5K-6110	B183	Reverse Trip Ball Lever	1
78	5K-6114	B185	Reverse Trip Ball Lever Screw	1
79	5K-6109	B184	Feed Reverse Trip Plunger	1
80	5K-6118-1	B123	Trip Plunger Bushing	1
81	5K-6246	M6x8	Socket Set Screw	4
82	5K-6101	FB192	Quill Housing	1
83	5K-6101-1	M6x30	Socket HD Cap Screw	1
84	5K-6163	B6 0	Feed Shift Rod	1
85	5K-6228	M6x12	Mock-It Lock Screw	1
86	5K-6228-1	M6x8	Socket Set Screw	1
87	5K-6162	B63	Feed Gear Shift Fork	1
88	5K-6166	FB64	Cluster Gear Shift Crank	1
89	5K-6164	M5x5	Socket Set Screw	1
90	5K-6161	FB66	Cluster Gear Cover	1
91	5K-6165	M5x12	Socket HD Cap Screw	4

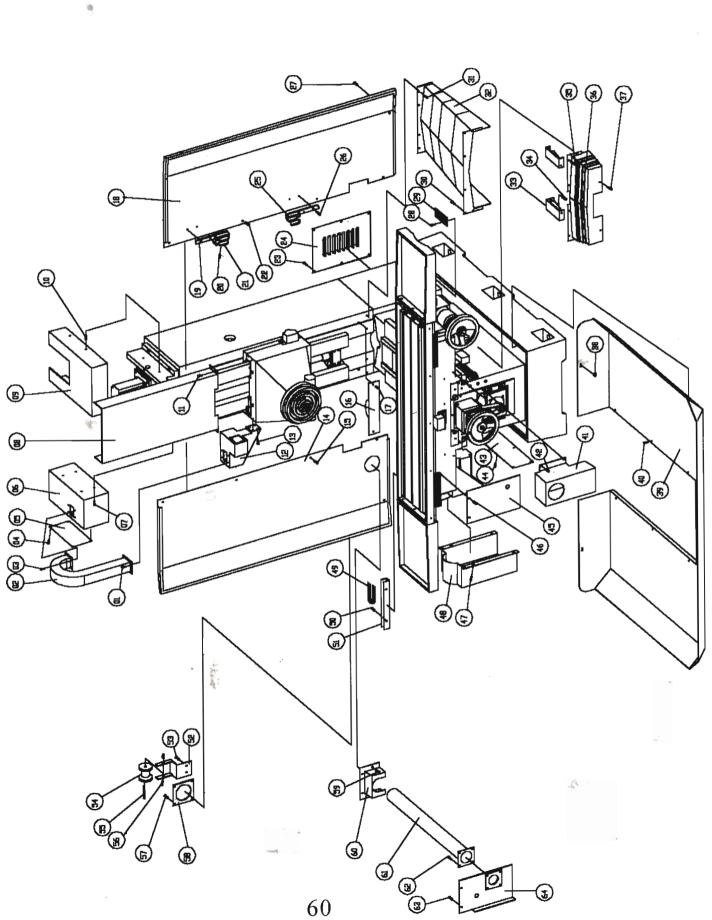
ITEM NO. PARTS NO. FACTORY NO. DESCRIPTION Q'TY

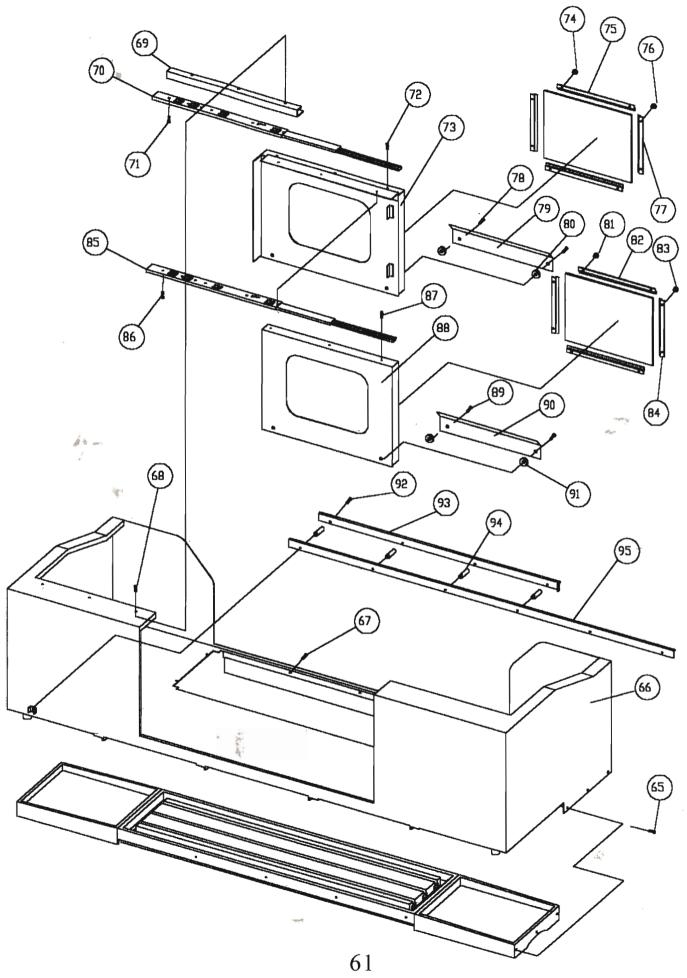
92	5K-6165-1	VS66-1	Feed Rate Plate	1
93	5K-6165-2		Drive Screw	2
94	5K-6169	B20	Gear Shift Plunger	1
95	5K-6170	B2 1	Compression Spring	1
96	5K-6168	B23	Shift Crank	1
97	5K-6171	B24	Black Plastic Ball	1
98	5K-6168-1	M5x5	Socket Set Screw	1
99	5K-6167	3x20	Spring Pin	1
100	5K-6210	B125	Handwheel	1
101	5K-6210-1	B126	Handle	1

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E-1350B BED TYPE MILL – SHEET METAL SECTION





E-1350B BED TYPE MILL – SHEET METAL SECTION

ITEM NO.	PART NO.	DESCRIPTION	QT'Y
1			
1.	MBMMLS62	Round Head Socket Cap Screw	4
2.	MBT21	Cable Protector Housing	1
3.	MBMMLS62	Round Head Socket Cap Screw	4
4.	MBMMLS63	Round Head Socket Cap Screw	4
5.	MB2VDBG48	Connector Cover	1
6.	MB2VFBG180	Connector Box	1
7.	MBMMLS17	Socket Head Cap Screw	4
8.	MB2VFBG17	Upper Housing Cover	1
9.	MB2VBG13	Column Top Cover	1
10.	MBMMLS63	Socket Head Cap Screw	4
11.	MBMMLS63	Socket Head Cap Screw	4
12.	MB2VDBG18	Head Housing Connector Box	1
13.	MBMMLS17	Socket Head Cap Screw	4
14.	MB2VDBG14	Left Column Side Guard	1
15.	MBMMLS63	Round Head Socket Cap Screw	4
16.	MB2VDBG16	Lower Column Cover	1
17.	MBMMLS63	Round Head Socket Cap Screw	2
18.	MB2VDBG15	Right Column Side Guard	1
19.	MB19BG63	Limit Block Seat	1
20.	MBMMLS60	Round Head Socket Cap Screw	2
21.	MB19BG168	Limit Block	2
22.	MBMMLS63	Round Head Socket Cap Screw	4
23.	MBMMLS63	Round Head Socket Cap Screw	6
24.	MB2VDBG144	Column Back Cover	1
25.	MB19BG63	Limit Block Seat	1
26.	MBMMLS62	Round Head Socket Cap Screw	1
27.	MBMMLS10	Socket Head Cap Screw	2
28.	MBMMLS63	Round Head Socket Cap Screw	4
29.	MB2VDBG03	Base Filter Cover	1
30.	MBMMLS63	Round Head Socket Cap Screw	6
31.	MBMMLS63	Round Head Socket Cap Screw	. 4
32.	MB2VFBG186-B	Back Metal Way Cover	1
		5	

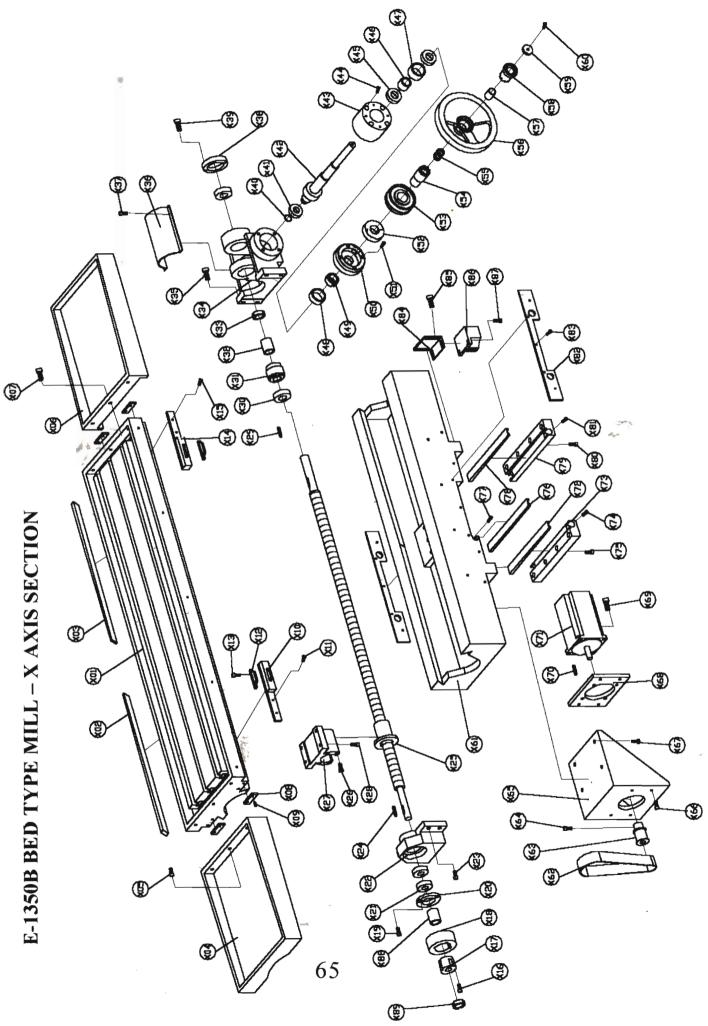
ITEM NO. PART NO. DESCRIPTION QT'Y

33.	MB2VDBG185	Way Cover Bracket	1 set
34.	MBMMLS63	Round Head Socket Cap Screw	4
35.	MBMMLS63	Round Head Socket Cap Screw	6
36.	MB2VDBG186-F	Front Metal Way Cover	1
37.	MBMMLS63	Round Head Socket Cap Screw	2
38.	MBLM16	Hex Nut	2
39.	MB2VDBG87	Coolant Chip Pan	1
40.	MBMMLS63	Round Head Socket Cap Screw	6
41.	MB2VFBG90	Y Axis Motor Cover	1
42.	MBMMLS63	Round Head Socket Cap Screw	4
43.	MB2CDBG04	Left Base Cover Plate	1
44.	MBMMLS63	Round Head Socket Cap Screw	6
45.	MB2VFBG91	Saddle Front Cover Plate	1
46.	MBMMLS63	Round Head Socket Cap Screw	2
47.	MBMMLS63	Round Head Socket Cap Screw	6
48 .	MB2VDBG89	X Axis Motor Cover	1
49 .	MBT17	Oil Tube Followable Housing	1
50.	MBMMLS63	Round Head Socket Cap Screw	2
51.	MB2VDBG99	Followable Housing Guide	1
52.	MB2VDBG75	Pulley Guide Supporting Bracket	1
53.	MBMMLS63	Round Head Socket Cap Screw	2
54.	MB2VDC78	Pulley	1
55.	MB2VDC79	Pulley Center Bar	1
56.	MBMMLS07	Socket Head Cap Screw	2
57.	MBMMLS63	Round Head Socket Cap Screw	4
58.	MB2VDBG78	Rear Cable-Pipe Cover	1
59 .	MBMMLS63	Round Head Socket Cap Screw	4
60.	MB2VFBG79	Upper Cable-Pipe Cover	1
61.	MB2VDBG74	Cable-Pipe	1
62.	MBMMLS64	Round Head Socket Cap Screw	4
63.	MBMMLS63	Round Head Socket Cap Screw	2
64.	MB2VDBG92	Rear Saddle Cable-Pipe Conn. Plate	1
65.	MBMMLS64	Round Head Socket Cap Screw	6
66.	MB2VFBG20	Table Splash Guard	1

ITEM NO.	PART NO.	DESCRIPTION	QT'Y
67.	MBMMLS64	Round Head Socket Cap Screw	10
68.	MBMMLS64	Round Head Socket Cap Screw	3
69.	MB2VFG39	Left/Upper Door Guide Way	1
70.	MBT45	Door Rail	1
71.	MBMMLS59	Round Head Socket Cap Screw	3
72.	MBMMLS59	Round Head Socket Cap Screw	3
73.	MB2VDBG34	Left Moving Door	1
74.	MBLM15	Hex Nut	4
75.	MB2VDBG37	Glass Locating Plate-long	4
76.	MBLM15	Hex Nut	4
77.	MB2VDBG38	Glass Locating Plate-short	4
78.	MBMMLS64	Round Head Socket Cap Screw	2
79 .	MB2VDBG97-L	Slideway Rail	1
80.	MBPL09	Ball Bearing -6200ZZ	2
81.	MBLM15	Hex Nut	4
82.	MB2VDBG37	Glass Locating Plate-long	4
83	MBLM15	Hex Nut	4
84.	MB2VDBG38	Glass Locating Plate-short	4
85.	MBT45	Door Rail	1
86.	MBMMLS59	Round Head Socket Cap Screw	3
87.	MBMMLS59	Round Head Socket Cap Screw	3
88.	MB2VDBG35	Right Moving Door	1
89.	MBMMLS64	Round Head Socket Cap Screw	2
90.	MB2VDBG97	Slideway Rail	1
91.	MBPL09	Ball Bearing-6200ZZ	2
92.	MBMMLS15	Socket Head Cap Screw	4
93.	MB2VDBG41	Front Moving Door Slideway	1
94.	MB2VFBG62	Rail Spacer	4
95.	MB2VDBG42	Rear Moving Door Slideway	1

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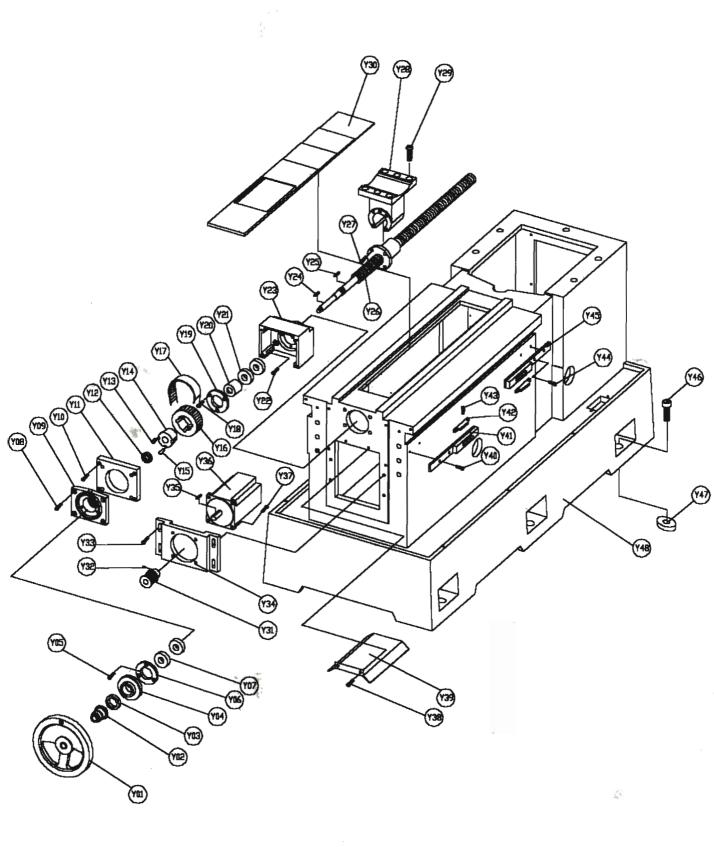
E-1350B BED TYPE MILL – X AXIS SECTION DESCRIPTION ITEM NO. PART NO. QT'Y MB2VDB04-2 Table 1. 1 2. MB2VDC100 Left Table Gib 1 3. MB2VDC101 Right Table Gib 1 4. MB2VDC46-2 Left Table End Cover 1 5. 3 MBMMLS21 Socket Head Cap Screw 6. MB2VDC46-2 **Right Table End Cover** 1 7. MBMMLS21 Socket Head Cap Screw 3 8. 9. 1 1 12 1 14 1: 1 1 18 19 2

			-
8.	MBT25	Table Way Wiper	4
9.	MBMMLS62	Round Head Socket Cap Screw	8
10.	MBT10-3	Limit Block Travel Rail	1
11.	MBMMLS07	Socket Head Cap Screw	2
12.	MBT09	Limit Block-Short	1
13.	MBT08	Limit Block-Long	~ 1
[•] 14.	MBT10-2	Limit Block Travel Rail	2
15.	MBMMLS07	Socket Head Cap Screw	2
16 . ²	MBMMLS64	Round Head Socket Cap Screw	3
17.	MBPDLT02	Pulley Sleeve	1
18.	MBPDL16	Leadscrew Pulley	1
19.	MBMMLS07	Socket Head Cap Screw	3
20.	MB2VDC22-1	Bearing Retainer	1
21.	MBPL06	Ball Bearing -7204BEDB	1 set
22.	MB2VDC09-1	X Axis Bearing Seat	1
23.	MBMMLS30	Socket Head Cap Screw	4
24.	MBT28	Key	1
25.	MB2VC01-in	X Axis Ball screw	1
26.	MBMMLS21	Socket Head Cap Screw	4
27.	MB2VDC06	X Axis Ball Screw Base	1
28.	MBMMLS22	Socket Head Cap Screw	4
29.	MBT29	Key	1
30.	MBPL19	Ball Bearing -6205ZZ	2
31.	MB2VDC94	X Axis Worm Gear	1
32.	MB2VDC24-1	X Axis Outer Spacer	1
		-	

ITEM NO.	PART NO.	DESCRIPTION	QT'Y
33.	MBLM04	Ball Screw Lock Nut	1
34.	MB2VDC15	X Axis Transmission Bracket	1
35.	MBMMLS32	Socket Head Cap Screw	4
36.	MB2VDBG05	Bracket Cover	1
37.	MBMMLS61	Round Head Socket Cap Screw	4
38.	MB2VDC22-2	X Axis Bearing Cover	1
39.	MBMMLS03	Socket Head Cap Screw	4
40.	MBCKS20	Snap Ring	1
41.	MBPL10	Ball Bearing6004ZZ	1
42.	MB2VDC85	X Axis Transmission Shaft	1
43.	MB2VDC86	X Axis Bearing Base	1
44.	MBMMLS25	Socket Head Cap Screw	4
45.	MBPL11	Ball Bearing6005ZZ	2
46.	MB2VDC23-1	Shaft Inner Spacer	1
47.	MB2VDC24-2	Shaft Outer Spacer	. 1
48 .	MB2VDC30-3	Handwheel Sleeve	1
49 .	MBLM05	Lock Nut	1
50.	MB2VDC91-IN	Dial Holder	1
51.	MBMMLS04	Socket Head Cap Screw	4
52.	MB2VDC89	Bearing Lock Nut	1
53.	MB2VDC92-IN	Dial	1
54.	MB2VDC87	Shaft Side Clutch	1
55.	MBT15	Compression Spring	1
56.	MB2VC90	X Axis Handwheel	1
57.	MBPL20	Linear Bearing	1
58.	MB2VDC88	Handwheel Clutch	1
59.	MB2VDC102	Washer	1
60.	MBMMLS07	Socket Head Cap Screw	1
61.	MB2VDB03-1	Saddle	1
62.	MBHTD-8M04	Timing Belt	1
63.	MBPDL17	Motor Pulley	1
64.	MBMMLS05	Socket Head Cap Screw	1
65.	MB2VDC103	X Axis Motor Base	· 1
66.	MBMMLS32	Socket Head Cap Screw	4

ITEM NO	. PART NO.	DESCRIPTION Q	Υ Υ
67.	MBMMLS30	Socket Head Cap Screw	4
68.	MB2VDC37-3	X Axis Motor Plate	1
69.	MBMLS20	Socket Head Cap Screw	4
70.	MBT27	Key	1
71.	MBMD07	Servo Motor	1
72.	MB2VDC33	Left/Lower Gib	1
73.	MB2VDC31	Left/Lower Gib Plate	1
74.	MBMMLS46	Socket Head Cap Screw	4
75.	MBINLS01	Gib Screw	1
76.	MB2VDC33	Center Gib	1
77.	MBINS01	Gib Screw	1
78.	MB2VDC33	Right/Lower Gib	1
79.	MB2VDC32	Right/Lower Gib Plate	1
80.	MBMMLS46	Socket Head Cap Screw	4
81.	MBINLS01	Gib Screw	· 1
82.	MBCT05	Wiper	1
83.	MBMMLS64	Round Head Socket Cap Screw	10
84.	MB2VDBG123	Y Axis Limit Switch Locating Plate	e 1
85.	MBMMLS08	Socket Head Cap Screw	2
86.	MBD02	Limit Switch	1
87.	MBLS10	Socket Head Cap Screw	2
88.	MB2VDC30-2	Spacer	1
89 .	MBLM01	Lock Nut	1

E-1350B BED TYPE MILL – Y AXIS SECTION



E-1350B BED TYPE MILL – Y AXIS SECTION ITEM NO. PART NO. DESCRIPTION

ITEM NO.	PART NO.	DESCRIPTION	QT'Y
1.	MB2VDC90	Y Axis Handwheel	1
2.	MB2VDC98	Dial Holder	1
3.	MB2VDC99	Dial Holder Lock Nut	1
4.	MB2VDC97	Dial	1
5.	MBMMLS02	Socket Head Cap Screw	3
6.	MB2VDC22-1	Bearing Retainer	1
7.	MBPL21	Ball Bearing	2
8.	MBMMLS31	Socket Head Cap Screw	4
9.	MB2VDC10	Y Axis Bearing Seat	1
10.	MBMMLS11	Socket Head Cap Screw	4
11.	MB2VDC96	Handwheel Locating Plate	1
12.	MBMMLS73	Set Screw	2
13.	MBPDLT02	Pulley Sleeve	. 1
14.	MBT33	Pin	1
15.	MBPDL16	Pulley	1
16.	MBHTD-8M04	Timing Belt	1
17.	MBLM01	Lock Nut	1
18.	MBMMLS02	Socket Head Cap Screw	3
19.	MB2VDC22-1	Bearing Retainer	1
20.	MB2VDC30-2	Spacer	1
21.	MBPL06	Ball Bearing	2
22.	MBMMLS31	Socket Head Cap Screw	4
23.	MB2VDC16	Y Axis Transmission Box	1
24.	MBT26	Key	1
25.	MBT28	Key	1
26.	MB2VDC02-in	Y Axis Ball Screw	1
27.	MBMMLS21	Socket Head Cap Screw	4
28.	MB2VDC07	Y Axis Ball Screw Bracket	1
29.	MBMMLS21	Socket Head Cap Screw	6
30.	MB2VDBG01	Y Axis Way Cover Plate	1
31.	MBPDL17	Motor Pulley	. 1
32.	MBMMLS71	Set Screw	1

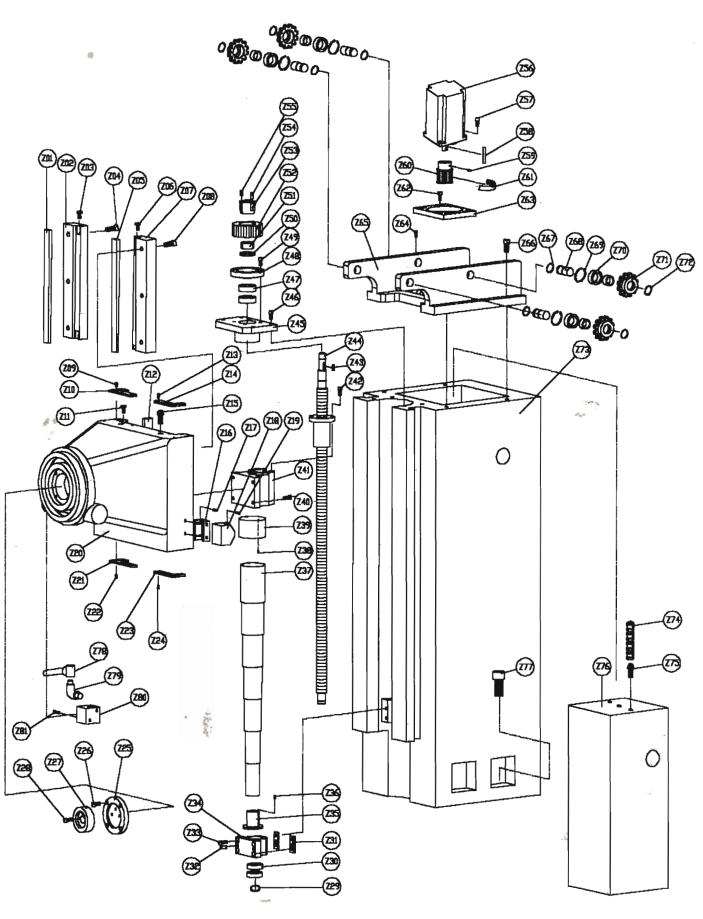
ITEM NO. PART NO

DESCRIPTION

QT'Y

33.	MBMMLS21	Socket Head Cap Screw	4
34.	MB2VDC38-3	Y Axis Motor Plate	1
35.	MBT27	Key	1
36.	MBMD07	Servo Motor	1
37.	MBMMLS21	Socket Head Cap Screw	4
38.	MBMMLS64	Round Head Socket Cap Screw	2
39.	MB2CDBG160	Y Axis Covering Plate	1
40.	MBMMLS06	Socket Head Cap Screw	2
41.	MBT08	Travel Limit Block (Long)	1
42.	MBT11	Travel Limit Rail	1
43.	MBMMLS06	Socket Head Cap Screw	2
44.	MBT09	Travel Limit Block (Short)	2
45.	MBT12	Travel Limit Rail	1
46.	MB2VDC76	Leveling Screw	6
47.	MB2VDC77	Leveling Pad	6
° 48.	MB2VDB01	Machine Base	1

E-1350B BED TYPE MILL – Z AXIS SECTION



E-1350B BED TYPE MILL – Z AXIS SECTION

ITEM NO.	PART NO.	DESCRIPTION (Υ Υ
1.	MB2VDC43	Left Gib	1
2.	MB2VDC41	Left Gib Plate	1
3.	MBINLS04	Gib Screw	2
4.	MBMMLS38	Socket Head Cap Screw	3
5.	MB2VDC43	Right Gib	1
6.	MBINLS04	Gib Screw	2
7.	MB2VDC42	Rigt Gib Plate	1
8.	MBMMLS38	Socket Head Cap Screw	3
9.	MBMMLS64	Round Head Socket Cap Screw	3
10.	MBCT02	Wiper	1
11.	MBINLS04	Gib Screw	2
12.	MB2VDC45	Middle Gib	1
13.	MBMMLS64	Round Head Socket Cap Screw	3
14.	MBCT01	Wiper	1
15.	MB2VDC65	Balancing Block Screw	2
16.	MB2VDBG125	Z Axis Limit Switch Locating Block	x 1
17.	MBMMLS06	Socket Head Cap Screw	2
18.	MBD02	Limit Switch	1
19.	MBMMLS08	Socket Head Cap Screw	2
20.	MB2VDB06-2	Head Housing	1
21.	MBCT04	Wiper	1
22.	MBMMLS64	Round Head Socket Cap Screw	3
23.	MBCT03	Wiper	1
24.	MBMMLS64	Round Head Socket Cap Screw	3
25.	MB2VDC62	Worm Gear Seat	1
26.	MBMMLS08	Socket Head Cap Screw	4
27.	MB2VDC63	Worm Gear	1
28.	MBMMLS18	Socket Head Cap Screw	2
29.	MBCKS25	Snap Ring	1
30.	MBPL11	Ball Bearing	2
31.	MBC77-2	Spacer	2
32.	MBT31	Roll Pin	2

ITEM NO. PART NO.

DESCRIPTION

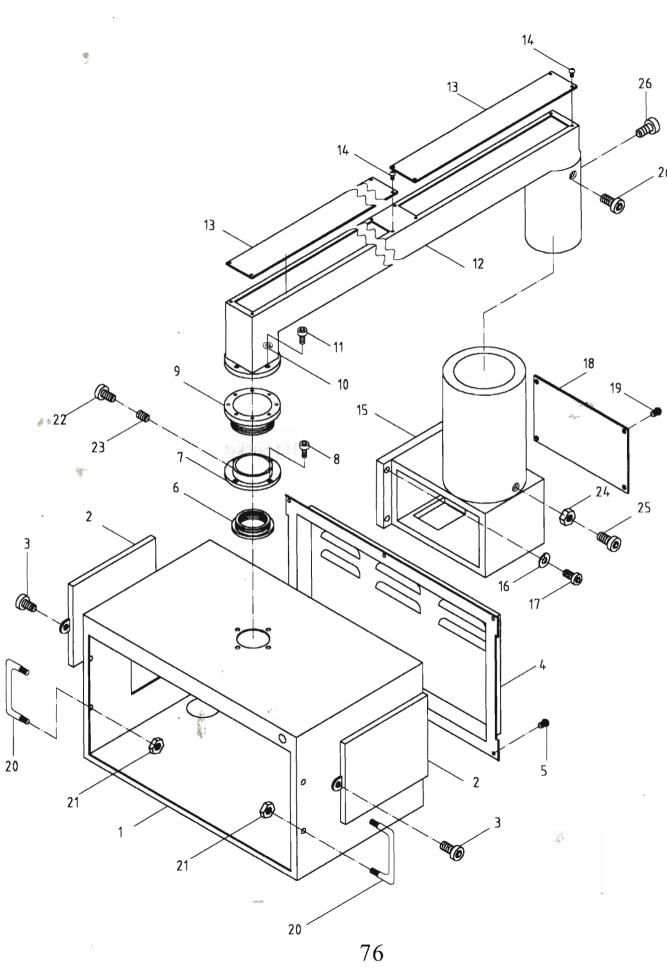
QT'Y

33.	MBMMLS19	Socket Head Cap Screw	4
34.	MB2VDC14	Z Axis Ball Screw Bracket	1
35.	MB2VDC39	Ball Screw Lower Cover End	1
36.	MBMMLS02	Socket Head Cap Screw	2
37.	MBT40	Ball Screw Cover	1
38.	MBMMLS02	Socket Head Cap Screw	2
39.	MB2VDC38	Ball Screw Upper Cover End	1
40.	MBMMLS31	Socket Head Cap Screw	6
41.	MB2VDC08	Ball Screw Nut Bracket	1
42.	MBMMLS21	Socket Head Cap Screw	4
43.	MBT28	Key	1
44.	MB2VDC03-in	Z Axis Ball Screw	1
45.	MB2VDC11	Z Axis Ball Bearing Seat	1
46.	MBMMLS30	Socket Head Cap Screw	4
47.	MBPL05	Ball Bearing	2
48.	MB2VDC22-3	Bearing Retainer	1
49 .	MBMMLS18	Socket Head Cap Screw	4
50.	MB2VDC30-1	Spacer	1
51.	MBLM05	Lock Nut	1
52.	MBPDL16	Pulley	1
53.	MBPDLT02	Pulley Sleeve	1
54.	MBT33	Roll Pin	1
55.	MBMMLS73	Set Screw	2
56.	MBMD07	Servo Motor	1
57.	MBMMLS21	Socket Head Cap Screw	1
58.	MBT27	Key	1
59.	MBMMLS71	Set Screw	1
60.	MBPDL17	Motor Pulley	1
61.	MBHTD-8M06	Timing Belt	1
62.	MBMMLS30	Socket Head Cap Screw	4
63.	MB2VDC39-3	Z Axis Motor Plate	1
64.	MBMMLS72	Set Screw	4
65.	MB2CDB08	Chain Roller Seat	1
66.	MBMMLS31	Socket Head Cap Screw	4

ITEM NO. PART NO. DESCRIPTION QT'Y

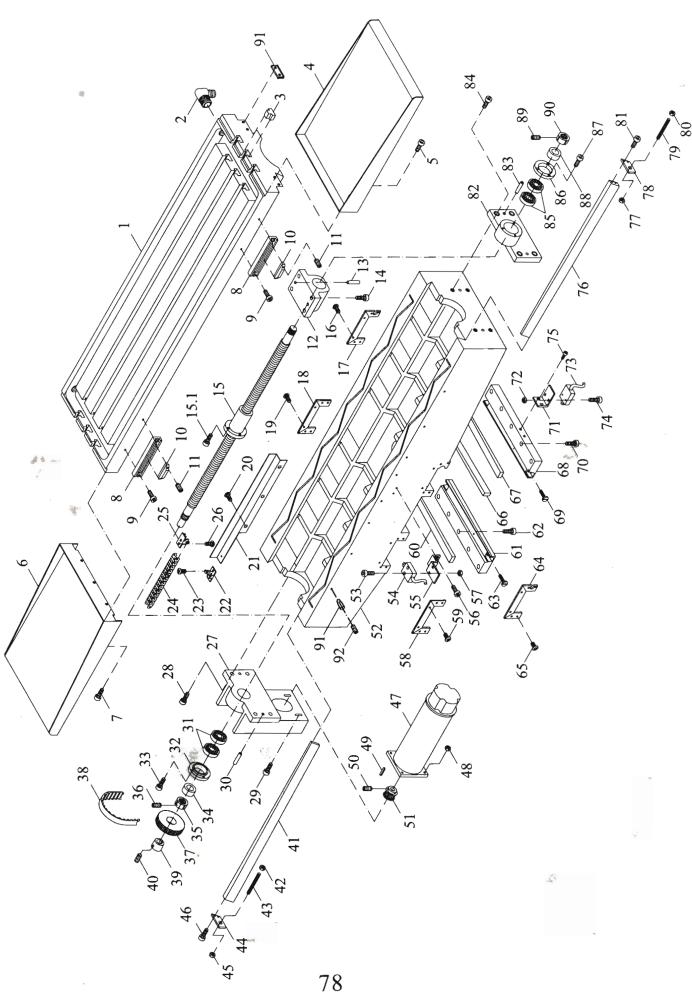
67.	MBCKS25	Snap Ring	4
68 .	MB2VDC66	Chain Roller Shaft	4
69.	MBCKR42	Snap Ring	4
70.	MBPL15	Linear Bearing	4
71.	MB2VDC67	Chain Gear	4
72.	MBCKS25	Snap Ring	4
73.	MB2VDB02	Column	1
74.	MBT35	Chain	4
75.	MB2VDC65	Balancing Block Screw	2
76.	MB2VDBG07	Balancing Block	1
77.	MBMMLS56	Socket Head Cap Screw	5
78.	MBWF17	Valve	1
79.	MBWF15	90 Degree Elbow Fitting	1
80.	MB2VDC93	Coolant Distributor Base	1
81.	MBMMLS	Socket Head Cap Screw	2
đ. 1			

CONTROL BOX & ITS ARM ASSEMBLY



E-1350B BED TYPE MILL – CONTROL BOX SECTION

ITEM NO.	PART NO.	DESCRIPTION	<u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u>
1.	MBVCB01A	Control Box	1
2.	MBVCB10A	Side Door	2
3.	MBMML	Socket Head Cap Screw (M6x12)	2
4.	MBVCB11A	Back Cover	1
5.	MBMMLS	Round Head (+) Screw (M6x10)	6
6.	MBVCB12A	Box Ring Cover	1
7.	MBVCB02A	Box Ring Adaptor	1
8.	MBMML	Socket Head Cap Screw (M6x20)	4
9.	MBVCB03A	Control Arm Ring Adaptor	1
10.	MBWSH6	Spring Washer	4
11.	MBMML	Socket Head Cap Screw (M6x20)	4
12.	MBVCB05A	Control Arm	1
* 13.	MBVCB04A	Arm Cover	2
14.	MBMMLS	Round Hd Socket Cap Screw (M5x	8) 8
15.	MBVCB06A	Connector Box	1
16.	MBWSH10	Spring Washer	4
17.	MBMML	Socket Head Cap Screw (M10x30)	4
18.	MBVBC09A	Connector Box Cover	1
19.	MBMMLS	Round Hd Socket Cap Screw (M5x)	8) 4
20.	MBVCB13A	Control Box Handle	2
21.	MBNUT	Hex Nut(M10)	4
22.	MBMML	Socket Head Cap Screw (M8x25)	1
23.	MBMMLS	Set Screw (M8x6)	1
24.	MBNUT	Hex Nut (M6)	1
25.	MBMML	Socket Head Cap Screw (M6x25)	1
26.	MBMML	Socket Head Cap Screw (M6x25)	2

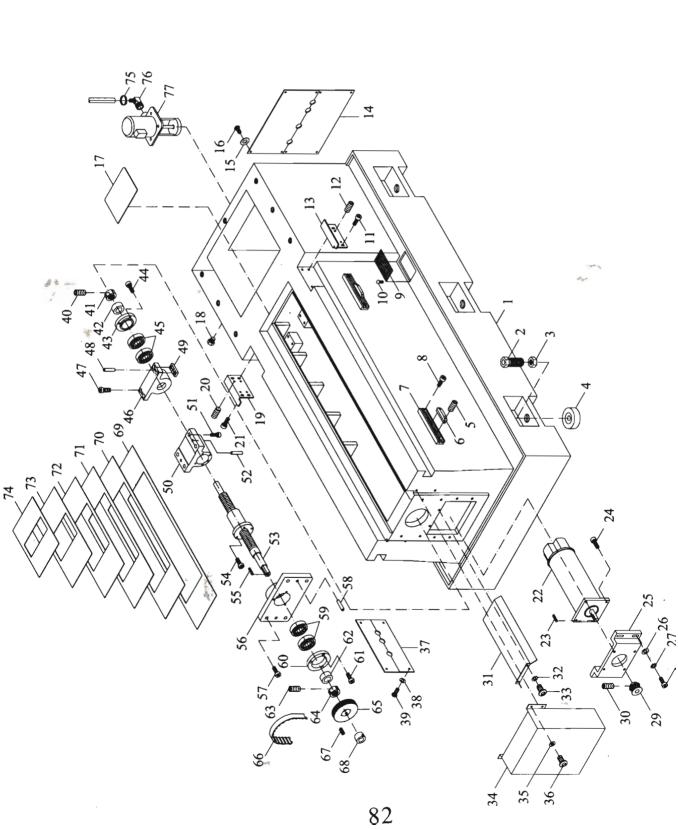


ITEM NO	. PART NO.	DESCRIPTION	QT'Y
1	MBTSX-001	Table	x
2	MB1"PT*1E	90 Degree Coolant Hose Connector	2
3	MBTSX-002	Rubber Plug	6
4	MBSMS-001	Right Table End Cover	1
5	MBSHS0816	Socket Head Cap Screw	3
6	MBSMS-002	Left Table End Cover	1
7	MBSHS0816	Socket Head Cap Screw	3
8	MBCP-001	Limit block Travel Rail	2
9	MBSHS0616	Socket Head Cap Screw	4
10	MBCP-002	Limit block	4
11	MBCP-003	Special Set Screw	8
12	MBTSX-003	Ball Screw Nut Seat (X. Y.)	1
13	MBTP4#	Taper Pin	2
14	MBSHS1225	Socket Head Cap Screw	4
15 ^{**}	MBTSX-004	X Axis Ball Screw W/Nut	1
15.1	MBSHS0612	Socket Head Cap Screw	5
16	MBRHS0510	Round Head Socket Cap Screw	6
17	MBTSX-005	Saddle Way Wiper	1
18	MBTSX-006	Saddle Way Wiper	1
19	MBRHS0510	Round Head Socket Cap Screw	6
20	MBRHS0608	Round Head Socket Cap Screw	3
21	MBSMS-003	Guide Rail	1
22	MBSQ604- U	Flange	1
23	MBRHS0406	Round Head Socket Cap Screw	2
24	MBSQ604-R20	Cable Protector Housing	1
25	MBSQ604-L	Flange	1
26	MBRHS0406	Round Head Socket Cap Screw	2
27	MBTSX-006	X Axis Servo Motor Bracket	1
28	MBSHS1225	Socket Head Cap Screw	4
29	MBSHS0630	Socket Head Cap Screw	4
30	MBTP4#	Taper Pin	2
31	MBBST2562	Ball Bearing	2
32	MBTSX-007	Bearing Retainer	1

ITEM NO.	PART NO.	DESCRIPTION	
33	MBSHS0615	Socket Head Cap Screw	3
34	MBCP4217	Spacer	1
35	MBYSF-M25*1.5P	Lock Nut	1
36	MBSS0604	Set Screw	3
37	MBPDL16	Ball Screw Pulley	1
38	MBTB5M550	Timing Belt	1
39	MBPDLT02	Pulley Sleeve	1
40	MBSS1/4-20*1/2	Set Screw	2
41	MBTSX-008	Left Table Gib	1
42	MBNUTM10	Hex. Nut	1
43	MBTSX-009	Stud	1
44	MBTSX-010	Gib Detent Plate	1
45	MBNUTM10	Hex. Nut	2
46	MBSHS0612	Socket Head Cap Screw	2
47	MBMD07	Servo Motor	1
48	MBNUTM06	Hex. Nut	4
49	MBKEY0530	Key	1
50	MBSSW5/16	Set Screw	3
51	MBPDL17	Motor Pulley	1
52	MBTSX-011	Saddle	1
53	MBSHS0630	Socket Head Cap Screw	2
54	MBTZ-3310	Travel Limit Switch	1
55	MBTSX-012	Travel Limit Switch Bracket	1
56	MBSHS0612	Socket Head Cap Screw	2
57	MBNUTM05	Hex Nut	2
58	MBTSX-013	Saddle Way Wiper	1
59	MBRHS0510	Round Head Socket Cap Screw	6
60	MBTSX-021	Left Lower Adj-Gib	1
61	MBTSX-014	Left Gib Plate	1
62	MBSHS1240	Socket Head Cap Screw	5
63	MB-3028	Gib Adj-Screw	2
64	MBTSX-015	Saddle Way Wiper	1

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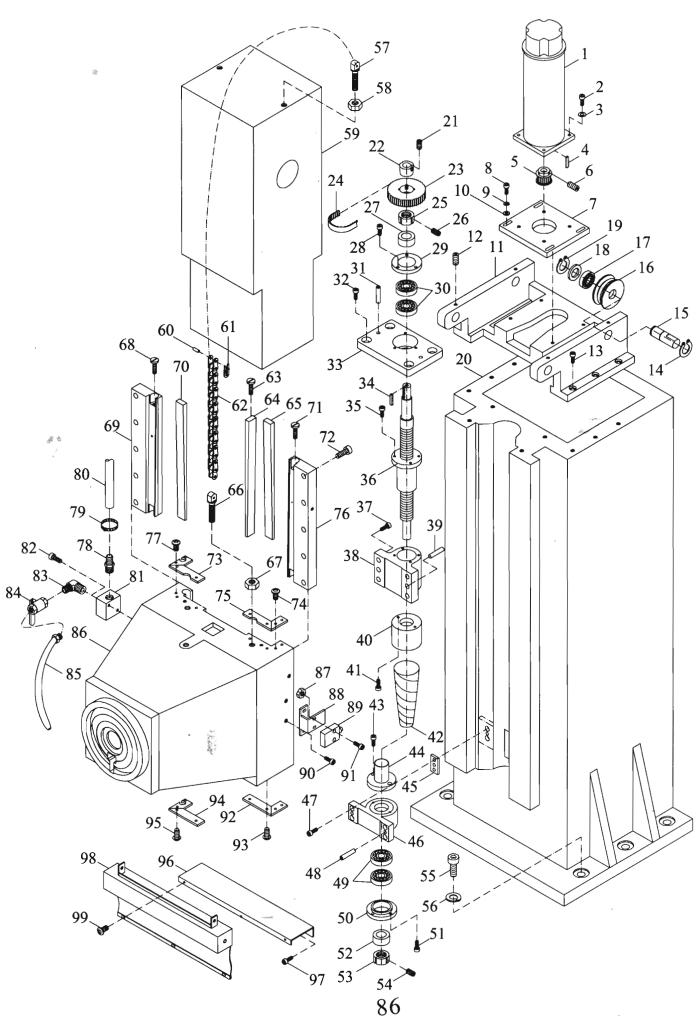
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ITEM NO). PART NO.	DESCRIPTION	QT'Y
1	MBBY-001	Machine Base	1
2	MBBY-002	Leveing Screw	6
3	MBBY-003	Nut	6
4	MBBY-004	Leveing Pad	6
5	MBCP-003	Special Set Screw	4
6	MBCP-002	Limit block	2
0 7	MBCP-002	Limit block Travel Rail	2
8	MBSHS0616	Socket Head Cap Screw	4
9	MBSMS-004	Filter	2
9 10	MBRD-001	Round HD Drive Screw	8
10	MBSHS0612	Socket Head Cap Screw	4
11	MBSI0012 MBSS0610	Set Screw	4
12	MBSMS-005	Way Cover Bracket	1
13 14	MBSMS-006	Base Back Cover	· 1
14 15 * *	MBWM08	Washer	8
15 16	MBSHS0610	Socket Head Cap Screw	8
10 17	MBSMS-007	Y Axis Way Cover Plate	1
_			1
18	MB1/2PT MBSMS-008	Plug Way Cavar Brackat	1
19 20		Way Cover Bracket Set Screw	1
20 21	MBSS0610		4
21	MBSHS0612	Socket Head Cap Screw Servo Motor	
22	MBMD07		1
23	MBKEY0530	Key	1
24	MBSHS0625	Socket Head Cap Screw	4
25	MBBY-004	Y Axis Motor Plate	1
26	MBWM08	Washer	4
27	MBSWM08	Spring Washer	4
28	MBSHS0825	Socket Head Cap Screw	4
29	MBPDL17	Motor Pulley	1
30	MBSSW5/16	Set Screw	3
31	MBSMS-009	Y Axis Motor Upper Cover Plate	1
32	MBWM06	Washer	2

	E-1454B BED TYP	PE MILL - Y AXIS SECTION	
ITEM NO.	PART NO.	DESCRIPTION	
33	MBSHS0610	Round Head Socket Cap Screw	2
34	MBSMS-010	Base Front Cover	1
35	MBWM06	Washer	4
36	MBSHS0610	Round Head Socket Cap Screw	4
37	MBSMS-011	Left Cover	1
38	MBWM06	Washer	6
39	MBSHS0610	Round Head Socket Cap Screw	6
40	MBSS0604	Set Screw	3
41	MBYSF-M25*1.5P	Nut	1
42	MBXYZ4217	Spacer	1
43	MBXYZ7842	Bearing Retainer	1
44	MBSHS0615	Socket Head Cap Screw	3
45	MBTVP7205B	Ball Bearing	2
46	MBBY-005	Y Axis Ball Screw Bracket	1
47	MBSHS0825	Socket Head Cap Screw	4
48	MBTP4#	Taper Pin	2
49	MBCZ-015	Spacer Plate	2
50	MBTSX-003	Ball Screw Nut Seat	1
51	MBSHS1225	Socket Head Cap Screw	4
52	MBTP4#	Taper Pin	2
53	MBBY-006	Y Axis Ball Screw W/Nut	1
54	MBSHS0612	Socket Head Cap Screw	5
55	MBKEY0620	Key	1
56	MBCZ-009	Bearing Seat	1
57	MBSHS1235	Socket Head Cap Screw	4
58	MBTP4#	Taper Pin	2
59	MBBST2562	Ball Bearing	2
60	MBTSX-007	Bearing Retainer	1
61	MBSHS0612	Socket Head Cap Screw	3
62	MBXYZ4217	Spacer	1
63	MBSS0604	Set Screw	3
64	MBTB5M550	Timing Belt	1

ITEM I	NO. PART NO.	DESCRIPTION	QT'Y
65	MBPDL16	Ball Screw Pulley	1
66	MBTB5M550	Timing Belt	1
67	MBSS1/4-20*1/2	Set Screw	2
68	MBPDLT02	Pulley Sleeve	1
69	MBSMS-012	Y Axis Way Cover Plate	1
70	MBSMS-013	Y Axis Way Cover Plate	1
71	MBSMS-014	Y Axis Way Cover Plate	1
72	MBSMS-015	Y Axis Way Cover Plate	1
73	MBSMS-016	Y Axis Way Cover Plate	1
74	MBSMS-017	Y Axis Way Cover Plate	1
75	MBHC1/2	Hose Clamp	1
76	MB1/2PT1/2PE	Coolant Hose Connector	1
77	MB1/8HP*2P	Coolant Pump	1



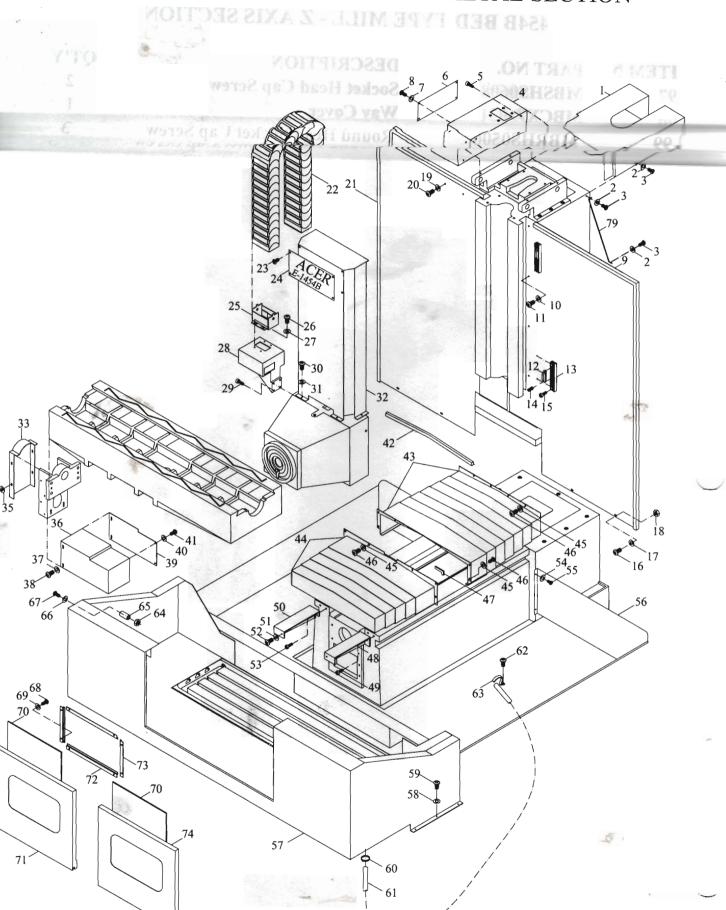
ITEM NO	. PART NO.	DESCRIPTION	QT'Y
1	MBMD07	Servo Motor	1
2	MBSHS0625	Socket Head Cap Screw	4
3	MBWM06	Washer	4
4	MBKEY0530	Key	1
5	MBPDL17	Motor Pulley	1
6	MBSSW5/16	Set Screw	3
7	MBCZ-001	Z Axis Motor Plate	1
8	MBSHS0830	Socket Head Cap Screw	4
9	MBSWM08	Spring Washer	4
10	MBWM08	Washer	4
11	MBCZ-002	Chain Roller Seat	1
12	MBSS0806	Set Screw	8
13	MBSHS0825	Socket Head Cap Screw	6
14	MBSR25	Snap Ring	4
15 ,	MBCZ-003	Chain Roller Shaft	4
16	MBCZ-004	Chain Wheel	4
17	MBNA4905	Ball Bearing -Needle Bearing	4
18	MBCZ-005	Spacer	4
19	MBSR25	Snap Ring	4
20	MBCZ-006	Column	1
21	MBSS1/4*1/2	Set Screw	2
22	MBPDLT02	Pulley Sleeve	1
23	MBPDL16	Ball Screw Pulley	1
24	MBTB5M550	Timing Belt	1
25	MBYSF-M25*1.5P	Lock Nut	1
26	MBSS0604	Set Screw	3
27	MBCZ-007	Spacer	1
28	MBSHS0615	Socket Head Cap Screw	3
29	MBCZ-008	Bearing Retainer	1
30	MBBST2562	Ball Bearing	2
31	MBTP4#	Taper Pin	2
32	MBSHS1235	Socket Head Cap Screw	4

ITEM NO	. PART NO.	DESCRIPTION	QT'Y
33	MBCZ-009	Bearing Seat	1
34	MBKEY0620	Key	1
35	MBSHS0612	Socket Head Cap Screw	5
36	MBCZ-010	Ball Screw W/Nut	1
37	MBSHS1225	Socket Head Cap Screw	4
38	MBCZ-011	Ball Screw Nut Seat	1
39	MBTP4#	Taper Pin	2
40	MBCZ-012	Ball Screw Upper Cover End	1
41	MBSHS0612	Socket Head Cap Screw	2
42	MBCZ-013	Ball Screw Cover	1
43	MBSHS0612	Socket Head Cap Screw	2
44	MBCZ-014	Ball Screw Lower Cover End	1
45	MBCZ-015	Spacer Plate	2
46	MBCZ-016	Z Axis Ball Screw Bracket	1
47	MBSHS0825	Socket Head Cap Screw	4
48	MBTP4#	Taper Pin	2
49	MBTVP7205B	Ball Bearing	2
50	MBCP7842	Bearing Retainer (X. Y. Z.)	1
51	MBSHS0615	Socket Head Cap Screw	3
52	MBCP4217	Spacer	1
53	MBYSF-M25*1.5P	Lock Nut	1
54	MBSS0604	Set Screw	3
55	MBSHS2080	Socket Head Cap Screw	7
56	MBSWM20	Spring Washer	7
57	MBCZ-017	Balancing Block Screw	2
58	MBNUTM14	Hex Nut	2
59	MBCZ-018	Balancing Block	1
60	MBRP5	Roller Pin	2
61	MBSR5	Snap Ring	2
62	MBC5/8	Chain	2
63	MB-3028	Gib Adj-Screw	2
64	MBCZ-019	Adj-Gib	1

ITEM N	O. PART NO.	DESCRIPTION	QT'Y
65	MBCZ-020	Adj-Gib	1
66	MBCZ-017	Balancing Block Screw	2
67	MBM14P2	Hex. Nut	2
68	MB-3028	Gib Adj-Screw	2
69	MBCZ-021	Left Gib Plate	1
70	MBCZ-020	Adj-Gib	1
71	MB-3028	Gib Adj-Screw	2
72	MBSHS1240	Socket Head Cap Screw	10
73	MBCZ-022	Wiper	1
74	MBRHS0510	Round Head Socket Cap Screw	4
75	MBCZ-023	Wiper	1
76	MBCZ-024	Right Gib Plate	1
77	MBRHS0510	Round Head Socket Cap Screw	4
78	MB1/2PT1/2E	Coolant Hose Connector	. 1
79	MBHC1/2	Hose Clamp	1
80	MBWH1/2	Water Hose	1
81	MBCZ-025	Coolant Distributor Base	1
82	MBSHS0635	Socket Head Cap Screw	2
83	MB1/2PT3/8PT	90 Degree Elbow Fitting	1
84	MBBV3/8PS	Ball Valve	1
85	MBCP3/8PS	Coolant Nozzle	1
86	MBCZ-026	Head Housing	1
87	MBM06	Hex Nut	2
88	MBCZ-027	Travel Limit Bracket	1
89	MBTZ-3310	Travel Limit Switch	1
90	MBSHS0612	Socket Head Cap Screw	2
91	MBSHS0516	Socket Head Cap Screw	2
92	MBCZ-028	Wiper	1
93	MBRHS0510	Round Head Socket Cap Screw	4
94	MBCZ-029	Wiper	1
95	MBRHS0510	Round Head Socket Cap Screw	4
96	MBCZ-030	Bracket	1

ITEM NO	. PART NO.	DESCRIPTION	QT'Y
97	MBSHS0608	Socket Head Cap Screw	2
98	MBCXZ-031	Way Cover	1
99	MBRHS0506	Round Head Socket Cap Screw	3

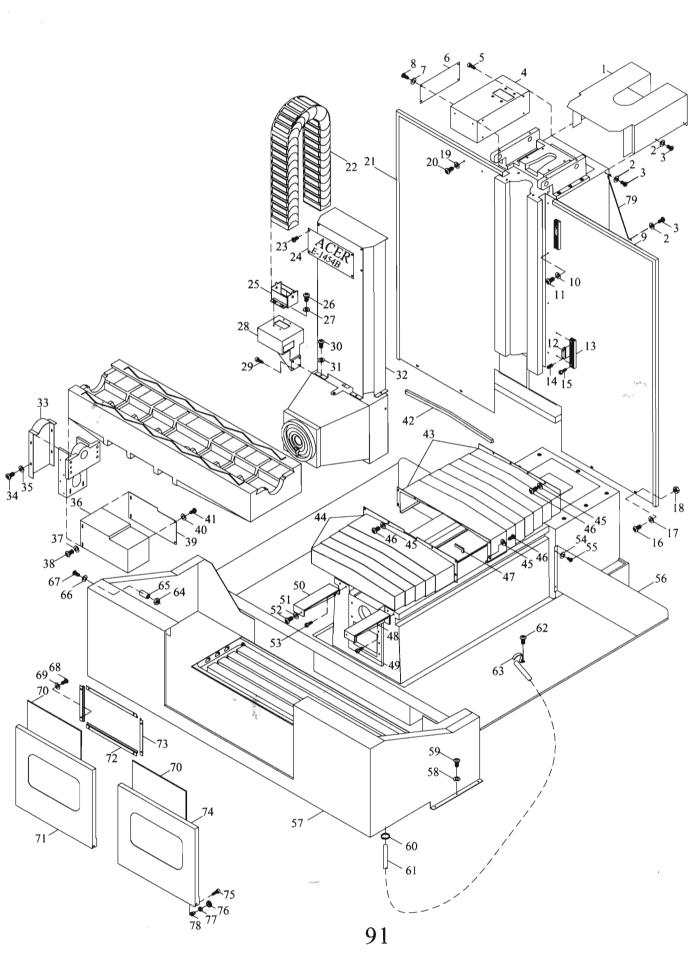
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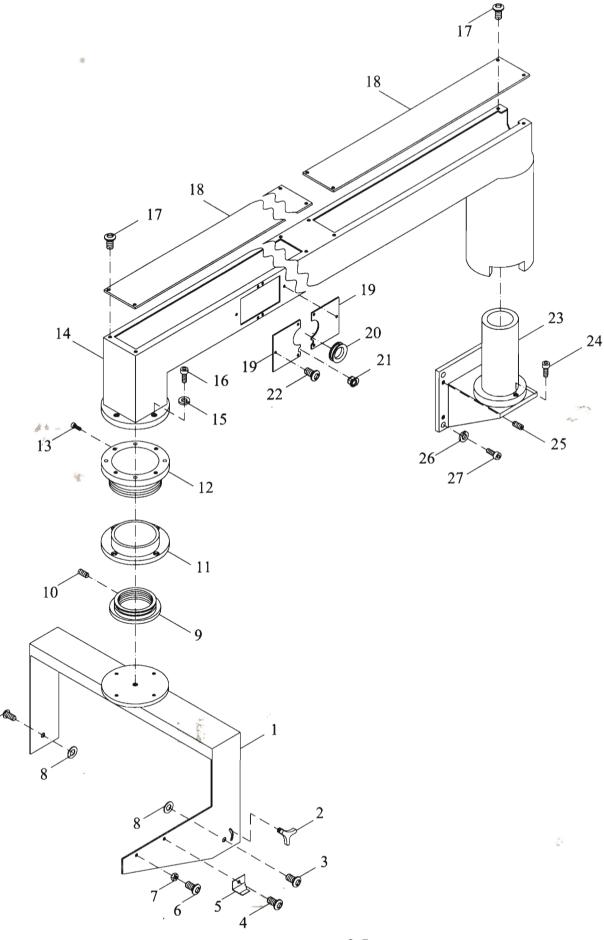
ITEM	NO. PART NO.	DESCRIPTION	QT'Y
1	MBSMS-016	Column Top Cover	1
2	MBWM06	Washer	10
3	MBRHS0608	Round Head Socket Cap Screw	10
4	MBSMS-017	Connector Box	1
5	MBSHS1240	Socket Head Cap Screw	4
6	MBSMS-018	Connector Cover	1
7	MBWM06	Washer	4
8	MBRHS0608	Round Head Socket Cap Screw	4
9	MBSMS-019	Right Column Side Guard	1
10	MBWM06	Washer	6
11	MBRHS0608	Round Head Socket Cap Screw	6
12	MBCP-002	Limit Block	• 4
13	MBCP-001	Limit Block Travel Rail	2
14	MBCP-003	Special Set Screw	4
15	MBSHS1240	Socket Head Cap Screw	4
16	MBRHS0608	Round Head Socket Cap Screw	4
17	MBWM06	Washer	4
18	MBNUTM06	Hex Nut	4
19	MBWM06	Washer	2
20	MBRHS0608	Round Head Socket Cap Screw	2
21	MBSMS-020	Left Column Side Guard	1
22	MBSQ-302	Cable Protector Housing	1
23	MBRHS0608	Round Head Socket Cap Screw	4
24	MBE-1454B	ACER Name Plate	1
25	MBSQ-302B	Cable Protector Housing Bracket	2
26	MBRHS0608	Round Head Socket Cap Screw	8
27	MBWM06	Washer	8
28	MBSMS-021	Head Housing Connector Box	1
29	MBSHS1240	Socket Head Cap Screw	4
30	MBRHS0608	Round Head Socket Cap Screw	4
31	MBWM06	Washer	4
32	MBSMS-022	Upper Housing Cover	1

ITEM NO). PART NO.	DESCRIPTION	
33	MBSMS-023	Motor Bracket Cover	· * 1
34	MBRHS0608	Round Head Socket Cap Screw	4
35	MBWM06	Washer	4
36	MBSMS-024	X Axis Motor Cover	1
37	MBWM06	Washer	2
38	MBRHS0608	Round Head Socket Cap Screw	2
39	MBSMS-025	X Axis Motor Cover Side Plate	1
40	MBWM06	Washer	4
41	MBRHS0608	Round Head Socket Cap Screw	4
42	MBCP004	Wiper	10
43	MBCP005	Back Metal Way Cover	1
44	MBCP006	Front Metal Way Cover	1
45	MBWM06	Washer	16
46	MBRHS0608	Round Head Socket Cap Screw	··· 16
47 👘	MBCP007	Plastic Plate	18
48	MBSMS-026	Right Way Cover Bracket	1
49	MBSHS1240	Socket Head Cap Screw	2
50	MBSMS-027	Left Way Cover Bracket	1
51	MBWM06	Washer	2
52	MBRHS0608	Round Head Socket Cap Screw	2
53	MBSHS1240	Socket Head Cap Screw	2
54	MBWM06	Washer	4
55	MBRHS0608	Round Head Socket Cap Screw	4
56	MBSMS-028	Coolant Chip Pan	1
57	MBSMS-029	Table Splash Guard	1
58	MBWM06	Washer	25
59	MBRHS0608	Round Head Socket Cap Screw	25
60	MBCH1"	Hose Clamp	2
61	MBH1"	Hose	2
62	MBRHS0608	Round Head Socket Cap Screw	2
63	MBCP008	Hose Set Plate	2
64	MBNUTM06	Hex Nut	2

ITEM NO.	PART NO.	DESCRIPTION	QT'Y
65	MBCP009	Rubber	2
66	MBWM06	Washer	2
67	MBRHS0608	Round Head Socket Cap Screw	2
68	MBRHS0608	Round Head Socket Cap Screw	16
69	MBWM06	Washer	16
70	MBCP010	Glass	2
71	MBSMS-030	Left Moving Door	1
72	MBSMS-031	Glass Cocating Plate Long	4
73	MBSMS-032	Glass Cocating Plate Short	4
74	MBSMS-033	Right Moving Door	1
75	MBSHS1240	Socket Head Cap Screw	8
76	MBCP011	Roller Wheel	8
77	MB627	Bearing	8
78	MBCP012	Special Nut	8
79	MBSMS-034	Bracket	1

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CONTROL BOX & ITS ARM ASSEMBLY



E-1	454B BED TYPE M	IILL - CONTROL BOX SECTION	DN
ITEM NO	. PART NO.	DESCRIPTION	QT'Y
1	MBVCB014A	Control Box Fixed Bracket	1
2	MBVCB022A	Lobe Screw	2
3	MBRHSW3/8*1/2	Round Head Socket Cap Screw	2
4	MBRHS0606	Round Head Socket Cap Screw	1
5	MBVCB021A	Bracket	1
6	MBRHS0608	Round Head Socket Cap Screw	1
7	MBNUTM06	Hex Nut	1
8	MBW10	Rubber Washer	2
9	MBVCB12A	Bracket Ring Cover	1
10	MBSS0806	Set Screw	1
11	MBVCB02A	Box Ring Adaptor	1
12	MBVCB03A	Control Arm Ring Adaptor	1
13	MBSHS0825	Socket Head Cap Screw	1
14	MBVCB015A	Control Arm	1
15	MBSWM06	Spring Washer	4
16	MBSHS0620	Socket Head Cap Screw	4
17	MBRSH0506	Round Head Socket Cap Screw	8
18	MBVCB016A	Arm Cover	2
1 9	MBVCB017A	Side Cover	2
20	MBVCB018A	Rubber O-Ring	1
21	MBVCB019A	Cable Set Fixed Seat	1
22	MBRHS0510	Round Head Socket Cap Screw	6
23	MBVCB020A	Connector Bracket	1
24	MBSHSW3/8*1/2	Socket Head Cap Screw	1
25	MBSS0810	Set Screw	4
26	MBSWM10	Spring Washer	4
27	MBSHS1025	Socket Head Cap Screw	4

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