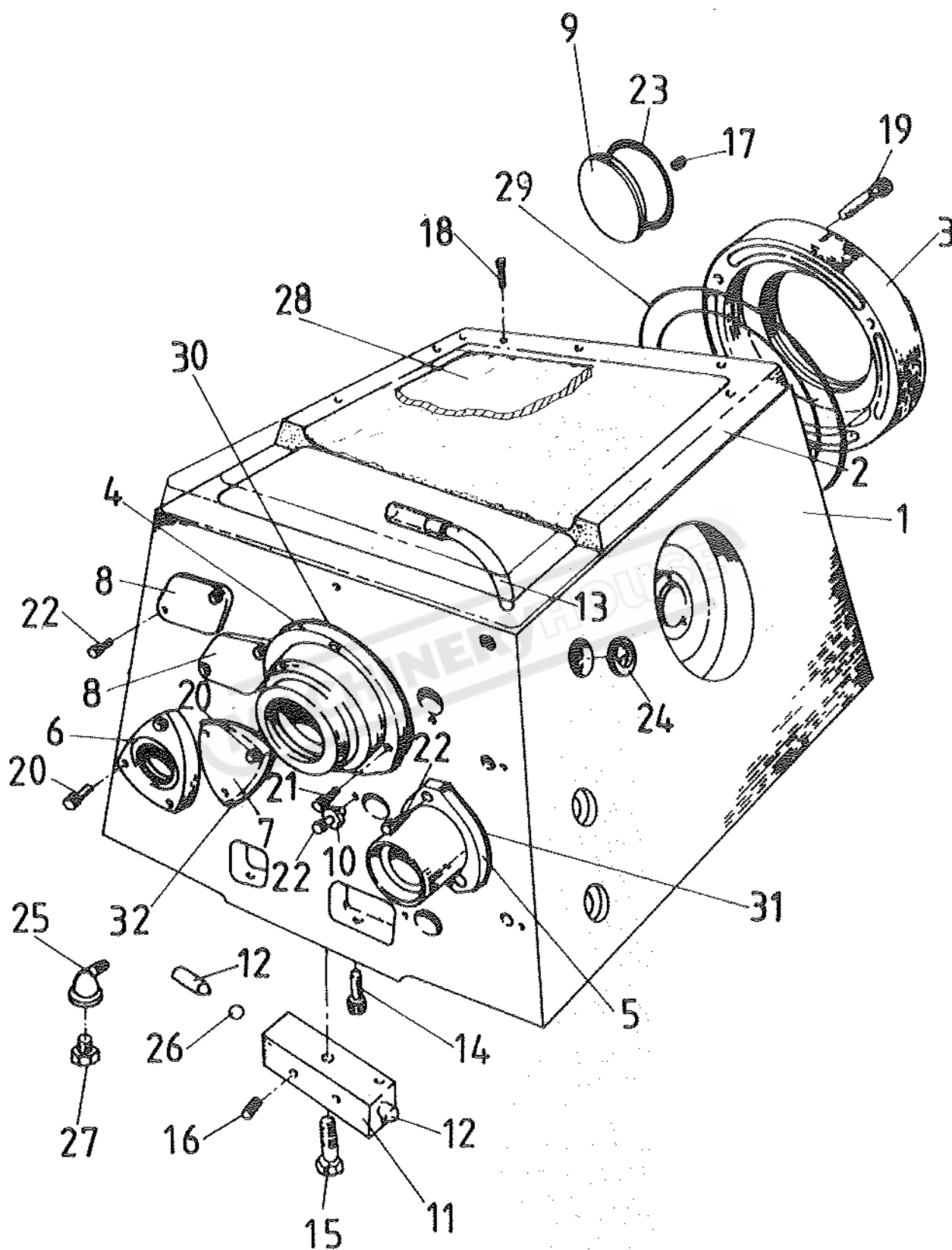
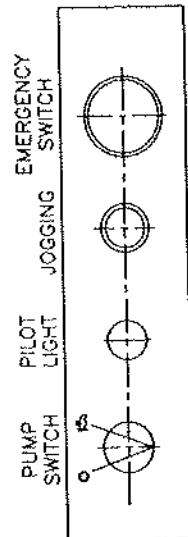
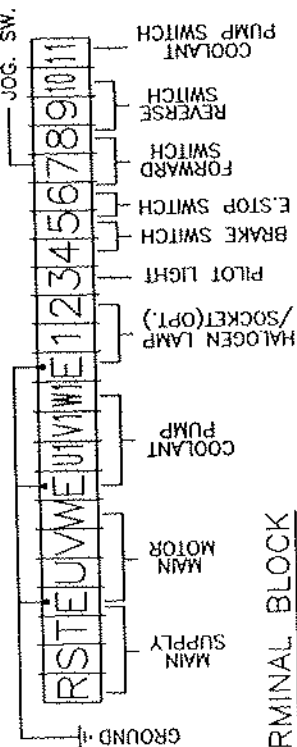


HEADSTOCK : CASTING





SWITCH BOARD

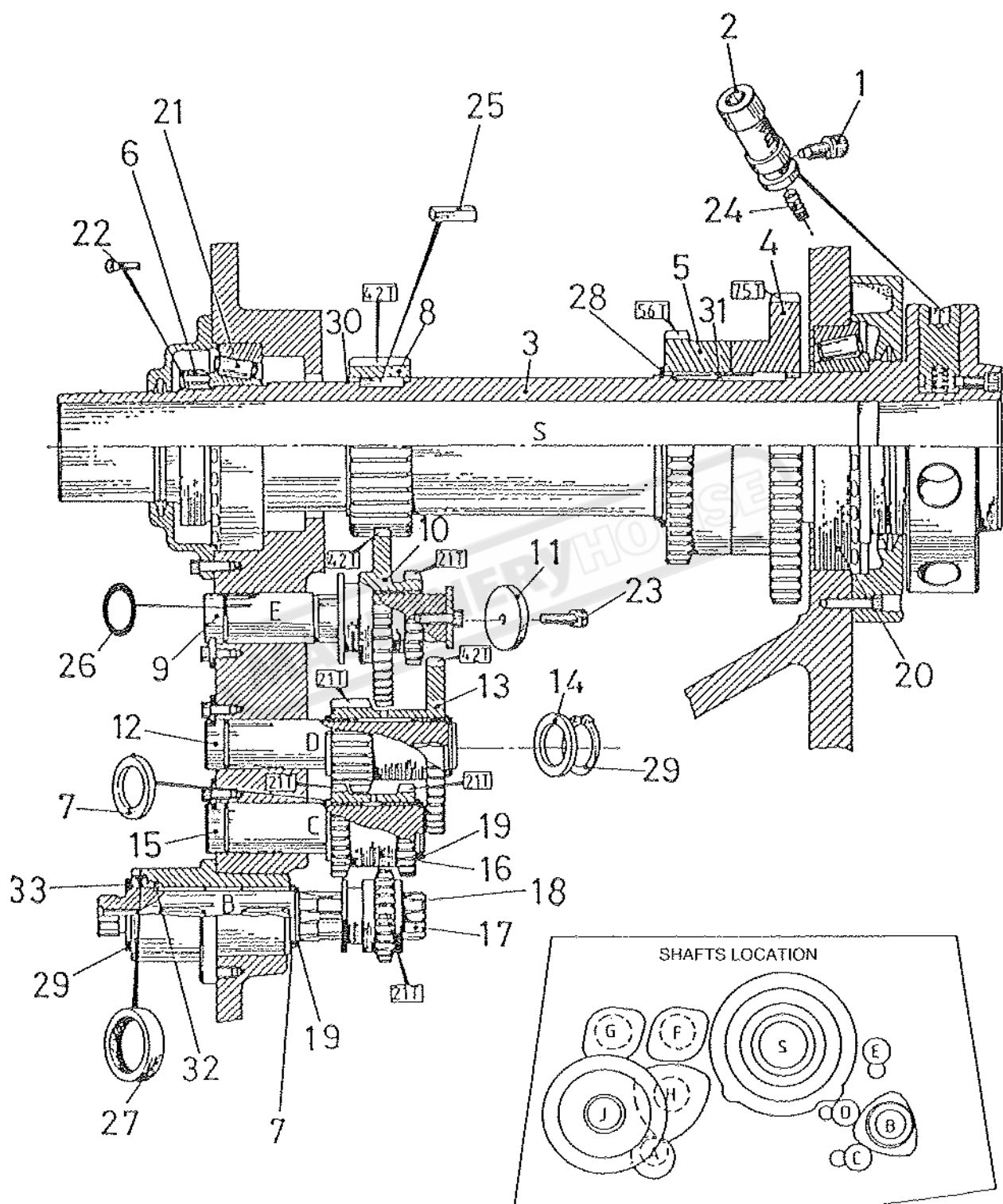


TERMINAL BLOCK

DATE	MODEL CHAMPION
DATE 901010	DWG NO. NON CLUTCH

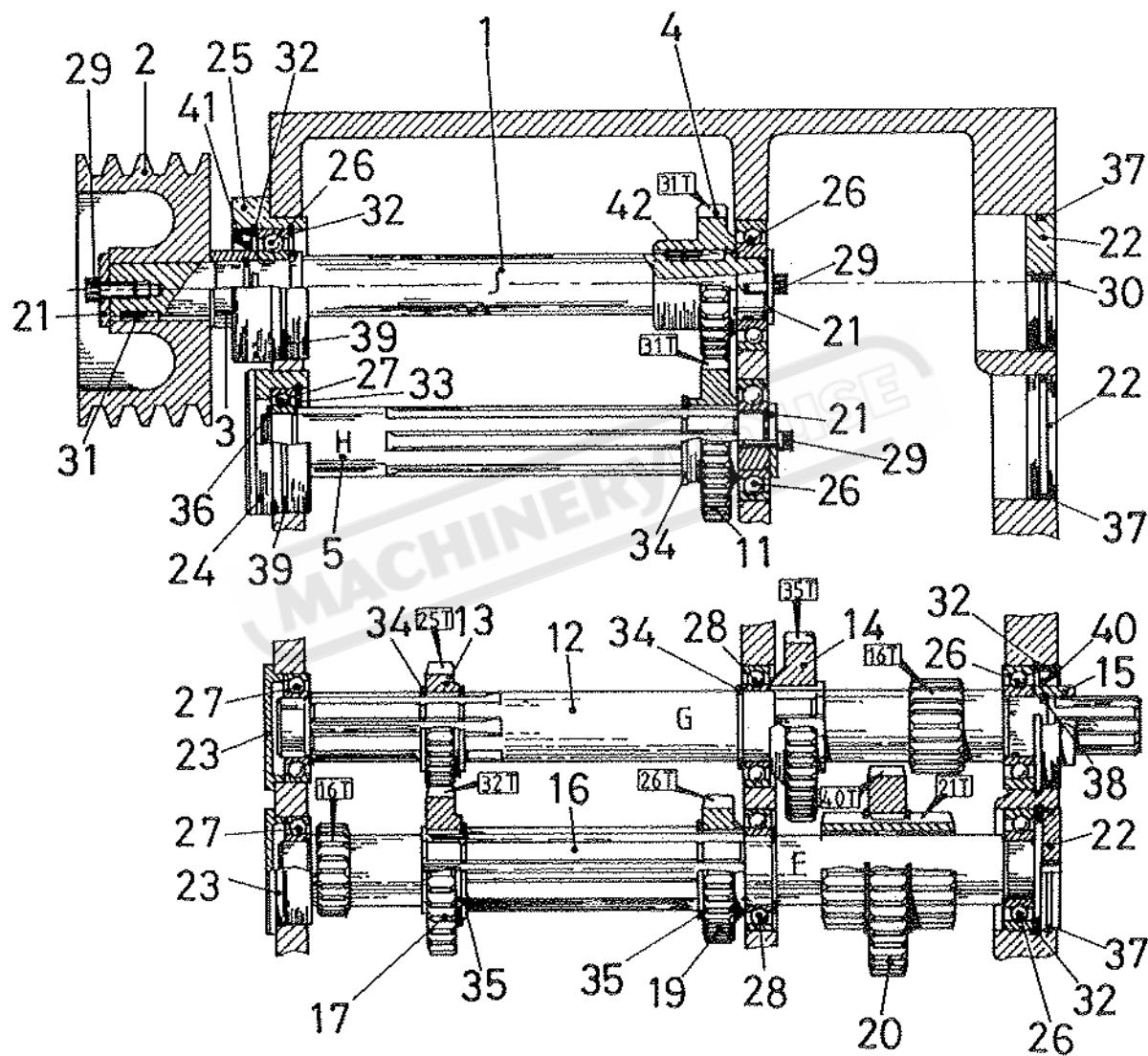
NO.	PART No.	Description	Quantity
1.	C-1001	Headstock Casting	1
2.	C-1002	Headstock Cover	1
3.	C-1003	Front Bearing Cover	1
4.	C-1004	Rear Bearing Cover	1
5.	C-1005	Flanged Bearing	1
6.	C-1006	Bearing Housing	1
7.	C-1007	Cover	1
8.	C-1008	Cover	2
9.	C-1009	Bore Plugs	3
10.	R-1030	Washers	5
11.	C-1011	Set-over Pad	1
12.	C-1012	Pins	2
13.	C-1154	Pipe	1
14.	A-1241	Socket Head Cap Screw (M12 x 35L)	4
15.	A-1424	Hexagon Head Bolt (M10 x 35L)	2
16.	A-1113	Socket Headless Set Screw (M12 x 20L)	2
17.	A-1108	Socket Headless Set Screw (M10 x 10L)	3
18.	A-1209	Socket Head Cap Screw (M6 x 45L)	8
19.	A-1207	Socket Head Cap Screw (M6 x 35L)	3
20.	A-1205	Socket Head Cap Screw (M6 x 25L)	6
21.	A-1204	Socket Head Cap Screw (M6 x 20L)	3
22.	A-1202	Socket Head Cap Screw (M6 x 12L)	11
23.	A-6024	O-Ring (G55)	3
24.	A-9502	Oil Sight	1
25.	A-1127	Elbow	1
26.	A-9205	Ball	2
27.	A-1121	Plug	1
28.	C-1002-1	Foam Plate	1
29.	C-1003-1	Gasket	1
30.	C-1004-1	Gasket	1
31.	C-1005-1	Gasket	1
32.	C-1007-1	Gasket	1

HEADSTOCK : SPINDLE & GEARS



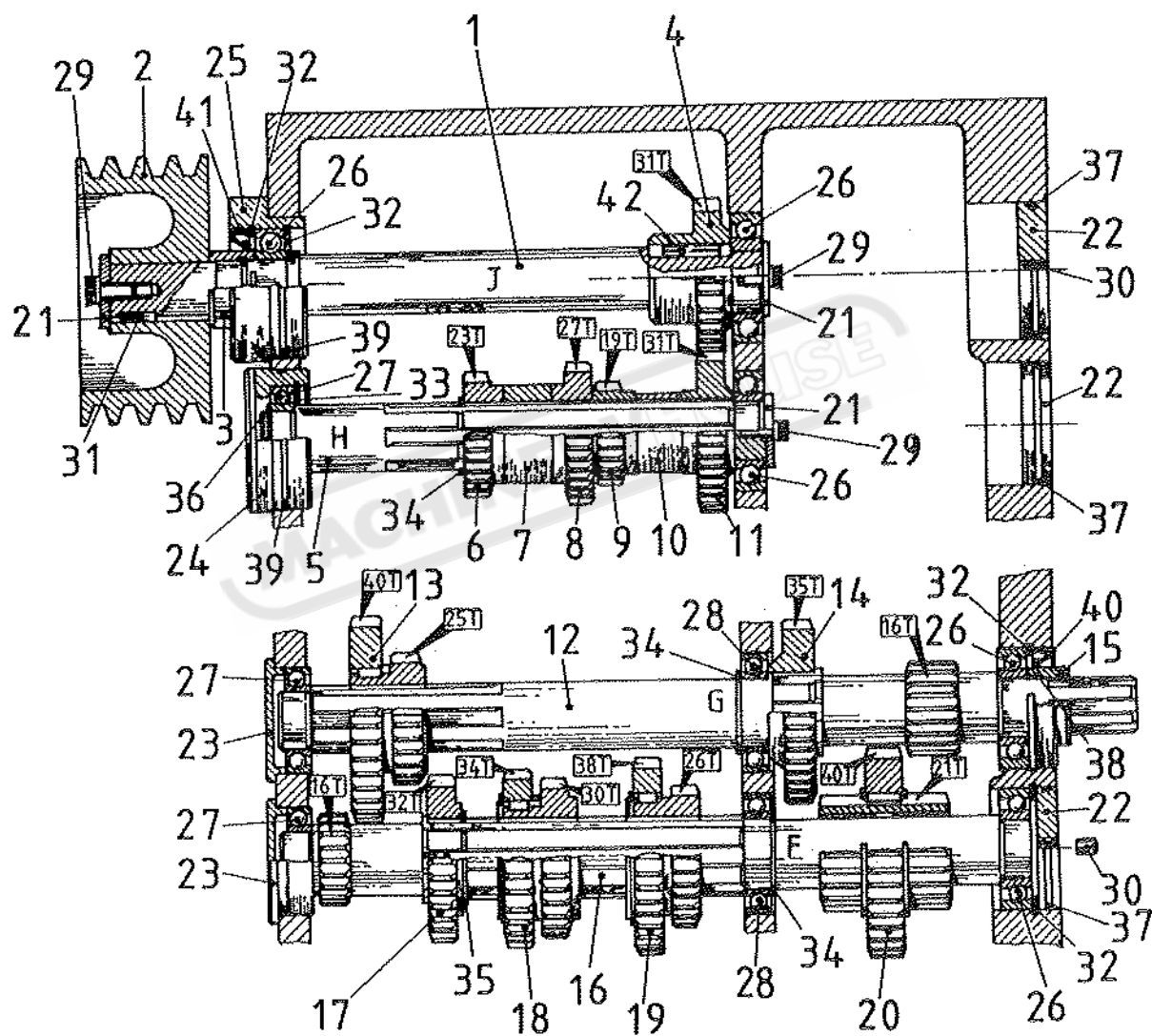
NO.	PART No.	Description	Quantity
1.	C-1016	Cam Screw	6
2.	C-1018	Cams	6
3.	C-1019	Main Spindle (S)	1
4.	C-1020	Spindle Gear (75T)	1
5.	C-1021	Spindle Gear (56T)	1
6.	C-1022	Nut	1
7.	C-1031	Collars	3
8.	C-1024	Gear (42T)	1
9.	C-1026	Shaft (E)	1
10.	C-1027	Sliding Gear (21T/42T)	1
11.	C-1028	Washer	1
12.	C-1029	Shaft (D)	1
13.	C-1030	Double Gear (21T/42T)	1
14.	T-3029	Collar	1
15.	C-1032	Shaft (C)	1
16.	C-1033	Double Gear (21T/21T)	1
17.	C-1035	Shaft (B)	1
18.	C-1036	Gear (21T)	1
19.	A-3312	Circlip (S30)	2
20.	A-2020	Front Bearing (#32218)	1
21.	A-2019	Rear Bearing (#32215)	1
22.	A-1203	Socket Head Cap Screw (M6 x 16L)	2
23.	A-1204	Socket Head Cap Screw (M6 x 20L)	1
24.	A-8401	Cam Spring	6
25.	A-7224	Key (6 x 6 x 25)	1
26.	A-6013	O-Ring (P25.5)	3
27.	A-5018	Oil Seal (50.35.8)	1
28.	A-3323	Circlip (S85)	1
29.	A-3309	Circlip (S25)	2
30.	A-3321	Circlip (S80)	1
31.	A-7225	Key (10 x 8 x75)	1
32.	A-6012	O-Ring (P24)	1
33.	C-1035-1	Collar	1

HEADSTOCK : DRIVEN SHAFT & GEARS. (VARISPEED)



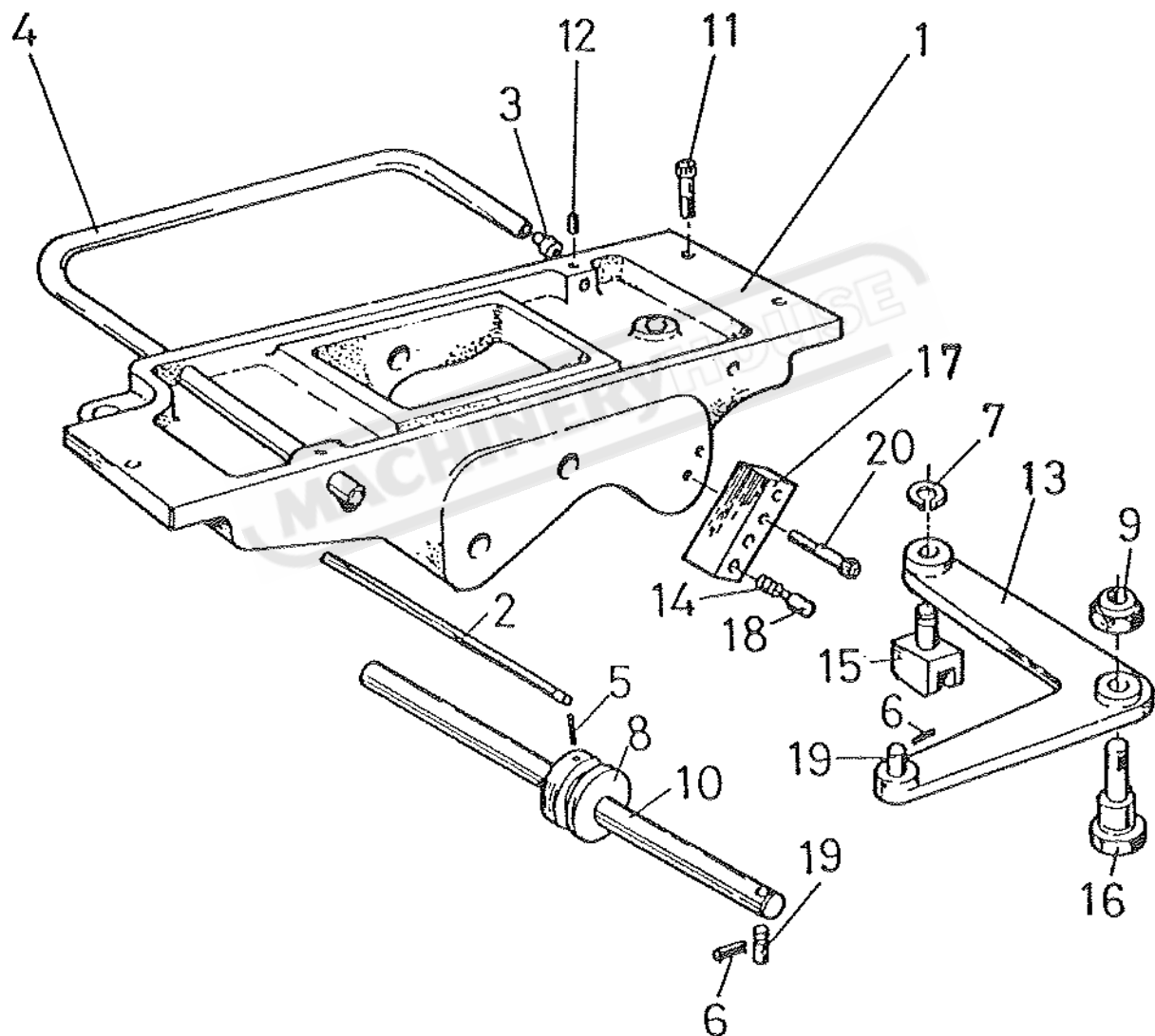
NO.	PART No.	Description	Quantity
1.	C-1038	Shaft (J)	1
2.	C-1040	Pulley	1
3.	C-1041	Spacer	1
4.	C-1042	Gear (31T)	1
5.	C-1043	Shaft (H)	1
11.	C-1050	Gear (31T)	1
12.	C-1052	Shaft (G)	1
13.	C-1053-1	Gear (25T)	1
14.	C-1054	Gear (35T)	1
15.	C-1055	Collar	1
16.	C-1056	Shaft (F)	1
17.	C-1057	Gear (32T)	1
19.	C-1059-1	Gear (26T)	1
20.	C-1060	Compound Gear (21T/40T/21T)	1
21.	C-1028	Washer	3
22.	C-1009	Plug	3
23.	C-1008	Cover	2
24.	C-1007	Cover	1
25.	C-1006	Cover	1
26.	A-2036	Bearing (#6206)	5
27.	A-2029	Bearing (#6006)	3
28.	A-2030	Bearing (#6007)	2
29.	A-1204	Socket Head Cap Screw (M6 x 20L)	3
30.	A-1108	Socket Headless Set Screw (M10 x 10L)	3
31.	A-7226	Key (7 x 7 x 50)	1
32.	A-3206	Circlip (R62)	4
33.	A-3205	Circlip (R55)	1
34.	A-3200	Circlip (R35)	3
35.	A-3316	Circlip (S42)	2
36.	A-3312	Circlip (S30)	1
37.	A-6024	O-Ring (G55)	3
38.	A-6014	O-Ring (P28)	1
39.	A-6028	O-Ring (AN6230/9)	2
40.	A-5020	Oil Seal (TC40.62.10)	1
41.	A-5019	Oil Seal (TC40.62.8)	1
42.	A-7227	Key (10 x 8 x35)	1

HEADSTOCK : DRIVEN SHAFT & GEARS. (NON-CLUTCH)

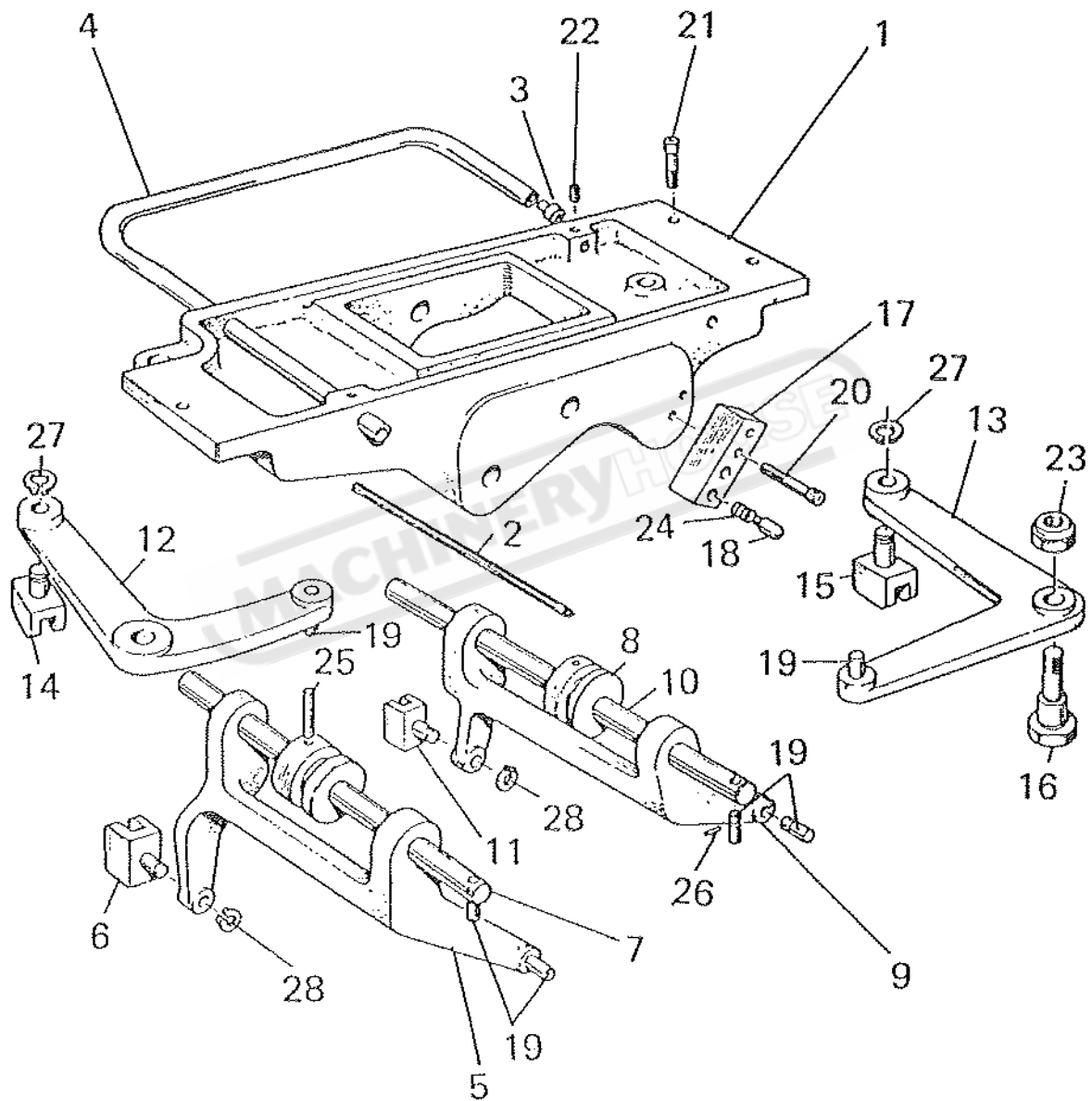


NO.	PART No.	Description	Quantity
1.	C-1038	Shaft (J)	1
2.	C-1040	Pulley	1
3.	C-1041	Spacer	1
4.	C-1042	Gear (31T)	1
5.	C-1043	Shaft (H)	1
6.	C-1045	Gear (23T)	1
7.	C-1046	Spacer	1
8.	C-1047	Gear (27T)	1
9.	C-1048	Gear (19T)	1
10.	C-1049	Spacer	1
11.	C-1050	Gear (31T)	1
12.	C-1052	Shaft (G)	1
13.	C-1053	Double Gear (40T/25T)	1
14.	C-1054	Gear (35T)	1
15.	C-1055	Collar	1
16.	C-1056	Shaft (F)	1
17.	C-1057	Gear (32T)	1
18.	C-1058	Double Gear (34T/30T)	1
19.	C-1059	Double Gear (38T/26T)	1
20.	C-1060	Compound Gear (21T/40T/21T)	1
21.	C-1028	Washer	3
22.	C-1009	Plug	3
23.	C-1008	Cover	2
24.	C-1007	Cover	1
25.	C-1006	Cover	1
26.	A-2036	Bearing (#6206)	5
27.	A-2029	Bearing (#6006)	3
28.	A-2030	Bearing (#6007)	2
29.	A-1204	Socket Head Cap Screw (M6 x 20L)	3
30.	A-1108	Socket Headless Set Screw (M10 x 10L)	3
31.	A-7226	Key (7 x 7 x 50)	1
32.	A-3206	Circlip (R62)	4
33.	A-3205	Circlip (R55)	1
34.	A-3200	Circlip (R35)	3
35.	A-3316	Circlip (S42)	1
36.	A-3312	Circlip (S30)	1
37.	A-6024	O-Ring (G55)	3
38.	A-6014	O-Ring (P28)	1
39.	A-6028	O-Ring (AN6203/9)	2
40.	A-5020	Oil Seal (TC40.62.10)	1
41.	A-5019	Oil Seal (TC40.62.8)	1
42.	A-7227	Key (10 x 8 x 35)	1

NO.	PART No.	Description	Quantity
1.	C-1201	Clutch Shaft (J)	1
2.	C-1040	Pulley	1
3.	C-1212	Spacer	1
4.	C-1203	Gear (31T)	1
5.	C-1271	Shaft (H)	1
6.	C-1045	Gear (23T)	1
7.	C-1046	Spacer	2
8.	C-1047	Gear (27T)	1
9.	C-1048	Gear (19T)	1
10.	C-1049	Spacer	1
11.	C-1050	Gear (31T)	1
12.	C-1052	Shaft (G)	1
13.	C-1053	Double Gear (40T/25T)	1
14.	C-1054	Gear (35T)	1
15.	C-1055	Collar	1
16.	C-1056	Shaft (F)	1
17.	C-1057	Gear (32T)	1
18.	C-1058	Double Gear (34T/30T)	1
19.	C-1059	Double Gear (38T/26T)	1
20.	C-1060	Compound Gear (21T/40T/21T)	1
21.	C-1028	Washer	2
22.	C-1009	Plug	2
23.	C-1008	Cover	2
24.	C-1007	Cover	1
25.	C-1212	Cover	1
26.	A-2036	Bearing (#6206)	3
27.	A-2029	Bearing (#6006)	3
28.	A-2030	Bearing (#6007)	2
29.	A-1204	Socket Head Cap Screw (M6 x 20L)	3
30.	A-1108	Socket Headless Set Screw (M10 x 10L)	2
31.	A-7226	Key (7 x 7 x 50)	1
32.	A-3206	Circlip (R62)	4
33.	A-3205	Circlip (R55)	1
34.	A-3200	Circlip (R35)	2
35.	A-3316	Circlip (S42)	1
36.	A-3312	Circlip (S30)	1
37.	A-6024	O-Ring (G55)	3
38.	A-6014	O-Ring (P28)	1
39.	A-6028	O-Ring (AN6203/9)	2
40.	A-5020	Oil Seal (TC40.62.10)	1
41.	A-5019	Oil Seal (TC40.62.3)	1
42.	C-1221	Shaft (A)	1
43.	A-1202	Socket Head Cap Screw (M6 x 12L)	1
44.	A-1106	Socket Headless Set Screw (M8 x 8L)	1
45.	A-1612	Socket Head Cap Screw (M6 x 16L)	6
46.	A-8410	Spring	8
47.	C-1218	Pegs	4
48.	C-1217	Pads	4
49.	A-7246	Key (8 x 8 x 125)	1
50.	C-1205	Gear (31T)	1
51.	C-1204	Gear (22T)	1
52.	A-6013	O-Ring (P25.5)	1
53.	R-1030	Washer	1
54.	C-1202	Gear (31T)	1
55.	C-1207	Washer	2
56.	C-1221-1	Washer	1
57.	C-1222	Washer	1
58.	A-2109	Needle Bearing (TLA 25.32.16)	1
59.	A-2110	Needle Bearing (TLA 2220)	2
60.	A-2047	Bearing (#6008)	1
61.	C-1219	Brake Housing	1
62.	C-1216	Brake Disc	1
63.	C-1215	Brake Shaft	1
64.	C-1209	Washer	1
65.	A-3328	Circlip (S40)	1
66.	A-2002	Bearing (NTB 3047 + As 3047)	1
67.	A-2048	Bearing (#5206)	1
68.	C-1388C	Circlip	1
69.	C-1418C	Hubs	2
70.	C-1399C	Operating Collar	1
71.	C-1382C	Bearing Assembly	6
72.	C-1407C	Track Rings	2
73.	C-1494C	Thrust Washers	2
74.	C-1488	Springs	2
75.	C-1430C	Adjusting Nuts	2
76.	C-1450C	Lock Plates	2
77.	C-1462C	Locking Plates	2
78.	C-1447C	Outer Plates	10
79.	C-1444C	Inner Plates	12
80.	C-1410C	End Flanges	2
81.	A-2115	Needle Bearing (TLA3020)	1

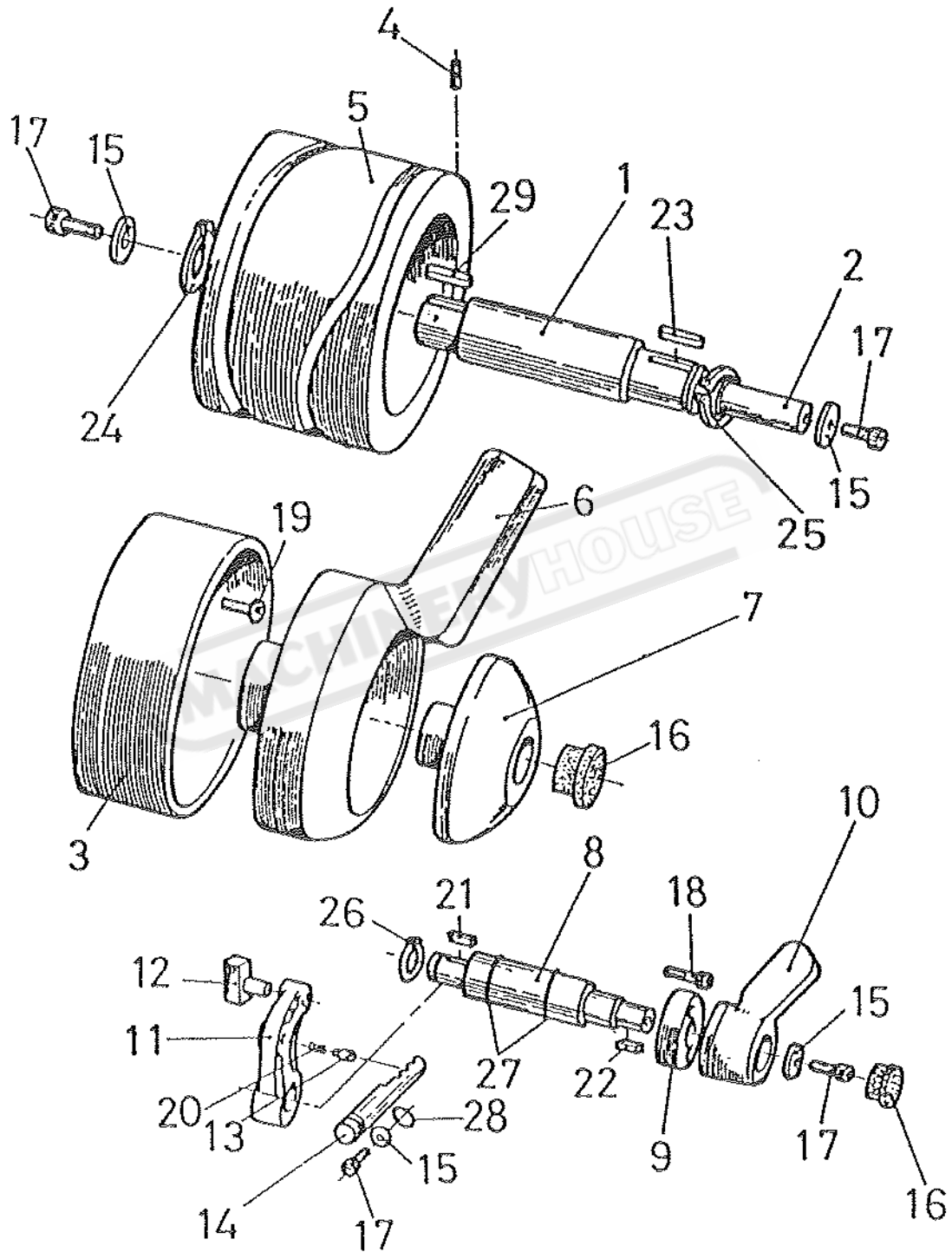
HEADSTOCK : CONTROL FRAME ASSEMBLY (VARISPEED)

NO.	PART No.	Description	Quantity
1.	C-1061	Lever Frame	1
2.	C-1062	Rod	1
3.	C-1063	Peg	1
4.	C-1064	Lubrication Pipe	1
5.	A-4003	Pin ($\phi 4$ x 36L)	1
6.	A-4000	Pin ($\phi 3$ x 10L)	2
7.	A-3102	Circlip (E8)	1
8.	C-1068	Collar Assembly	1
9.	A-1703	Nut (M12 x 1.75)	1
10.	C-1070	Rod	1
11.	A-1203	Socket Head Cap Screw (M6 x 16L)	3
12.	A-1100	Socket Head Cap Screw (M6 x 6L)	2
13.	C-1073	Lever	1
14.	A-8402	Spring	1
15.	C-1074-2	Shift Fork	1
16.	C-1075	Bolt	1
17.	C-1076	Bracket	1
18.	C-1077	Plunger	1
19.	C-1156	Pin	2
20.	A-1205	Socket Head Cap Screw (M6 x 25L)	2

HEADSTOCK : CONTROL FRAME ASSEMBLY

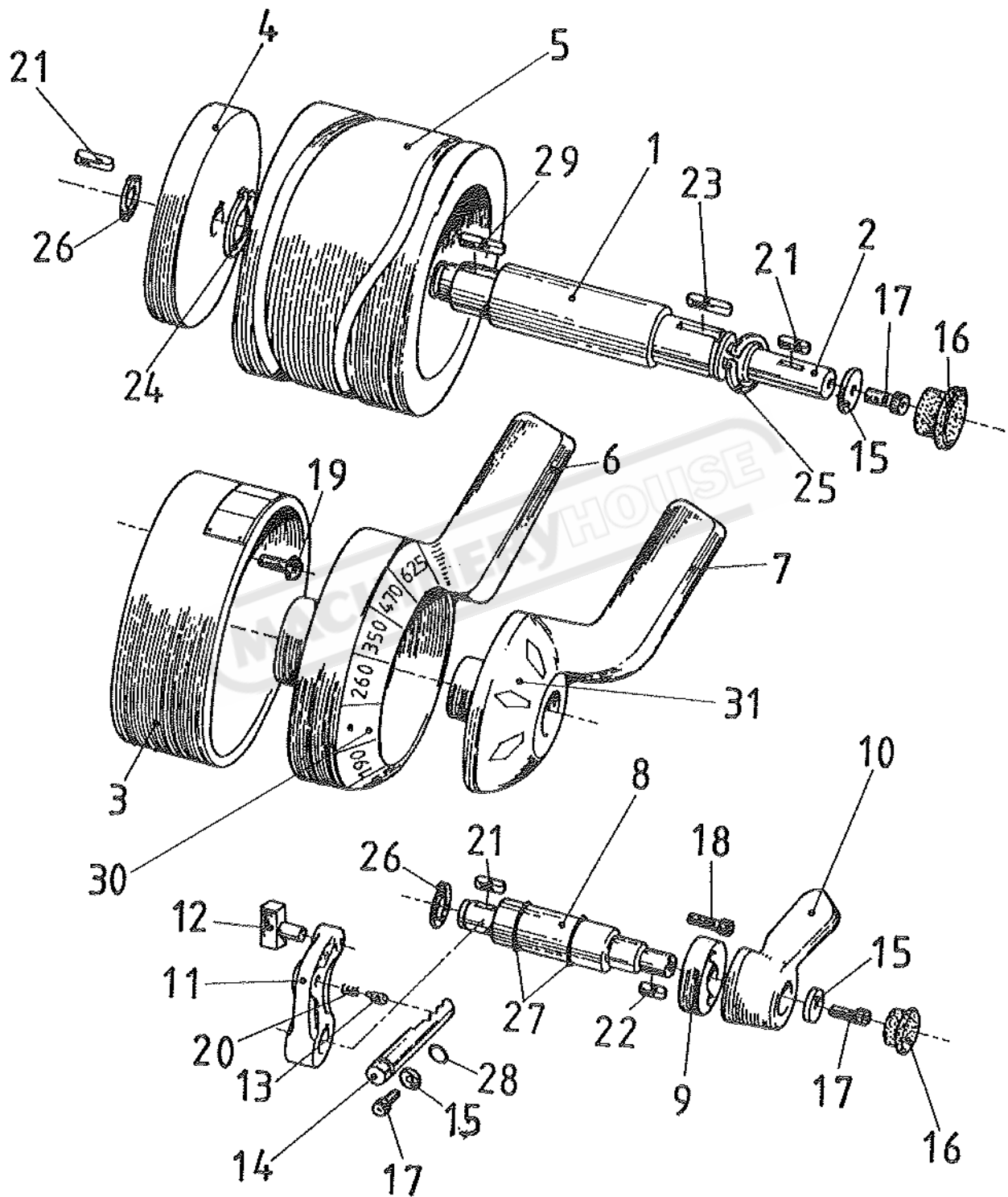
NO.	PART No.	Description	Quantity
1.	C-1061	Lever Frame	1
2.	C-1062	Rod	2
3.	C-1063	Peg	1
4.	C-1064	Lubrication Pipe	1
5.	C-1065	Lever Bracket Assembly	1
6.	C-1066	Shift Fork	1
7.	C-1067	Rod Assembly	1
8.	C-1068	Collar Assembly	2
9.	C-1069	Lever Bracket Assembly	1
10.	C-1070	Rod	1
11.	C-1066	Shift Fork	1
12.	C-1072	Lever	1
13.	C-1073	Lever	1
14.	C-1074-1	Shift Fork	1
15.	C-1074-2	Shift Fork	1
16.	C-1075	Bolt	2
17.	C-1076	Bracket	1
18.	C-1077	Plunger	2
19.	C-1156	Pin	6
20.	A-1205	Socket Head Cap Screw (M6 x 25L)	2
21.	A-1203	Socket Head Cap Screw (M6 x 16L)	3
22.	A-1100	Socket Headless Set Screw (M6 x 6L)	2
23.	A-1703	Nut (M12 x 1.75)	2
24.	A-8402	Spring	2
25.	A-4003	Pin (ϕ 4 x 36)	2
26.	A-4000	Pin (ϕ 3 x 10)	2
27.	A-3102	Circlip (E8)	2
28.	A-3103	Circlip (E10)	2

HEADSTOCK : CONTROLS (VARISPEED)



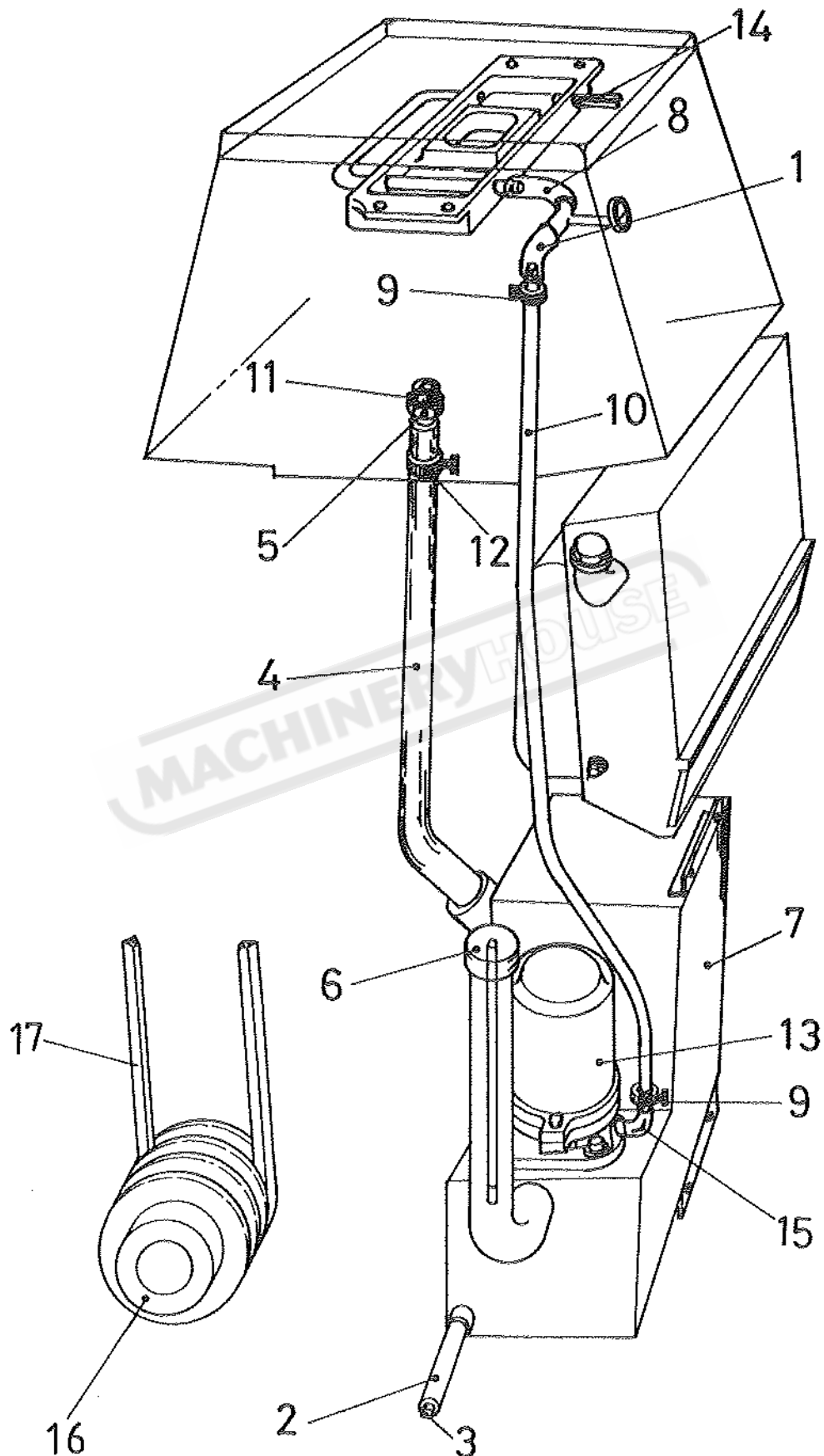
NO.	PART No.	Description	Quantity
1.	C-1078	Cam Shaft	1
2.	C-1079-1	Shaft	1
3.	C-1080	Selector Housing Assembly	1
4.	A-1104	Socket Headless Set Screw (M6 x 20L)	2
5.	C-1082	Drum Cam	1
6.	C-1083	Range Selector	1
7.	C-1084-2	Speed Selector	1
8.	C-1085	Shafts	2
9.	C-1086	Collars	2
10.	C-1087	Handles	2
11.	C-1089	Shift Levers	2
12.	C-1090	Shift Pads	2
13.	C-1091	Detents	2
14.	C-1092	Detents Bars	2
15.	R-1030	Washers	3
16.	C-2075	Plugs	3
17.	A-1202	Socket Head Cap Screw (M6 x 12L)	5
18.	A-1203	Socket Head Cap Screw (M6 x 16L)	4
19.	A-1606	Cross Recessed Head Screw (M5 x 6L)	3
20.	A-8403	Spring	2
21.	A-7202	Key (4 x 4 x 15)	2
22.	A-7201	Key (4 x 4 x 10)	2
23.	A-7208	Key (5 x 5 x 30)	2
24.	A-3308	Circlip (S24)	1
25.	A-3310	Circlip (S28)	1
26.	A-3302	Circlip (S16)	2
27.	A-6007	O-Ring (P18)	4
28.	A-6004	O-Ring (P12)	2
29.	A-7207	Key (5 x 5 x 25)	1

HEADSTOCK : CONTROLS



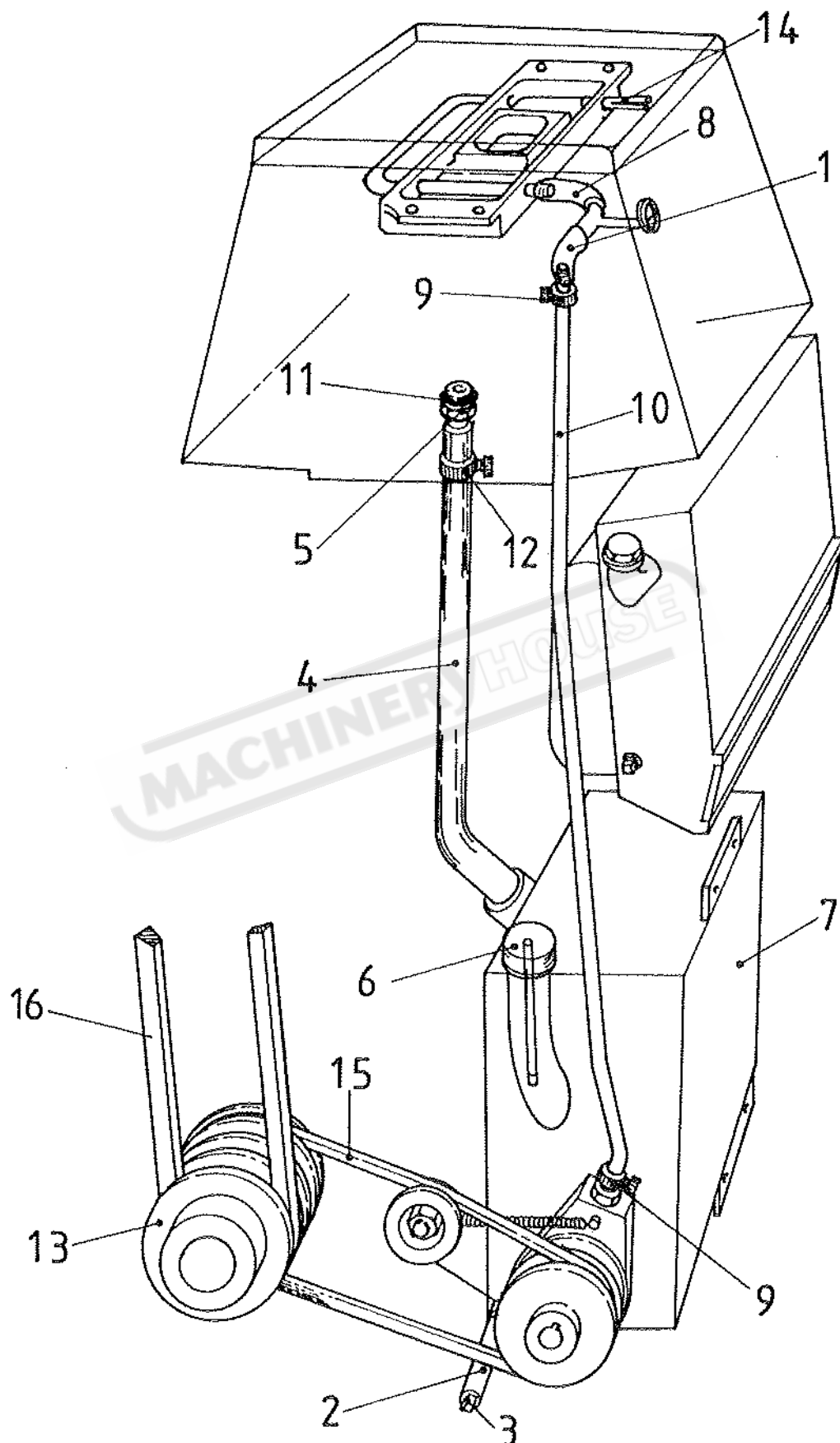
NO.	PART No.	Description	Quantity
1.	C-1078	Cam Shaft	1
2.	C-1079	Shaft	1
3.	C-1080	Selector Housing Assembly	1
4.	C-1081	Plate Cam	1
5.	C-1082	Drum Cam	1
6.	C-1083	Range Selector	1
7.	C-1084	Speed Selector	1
8.	C-1085	Shaft	2
9.	C-1086	Collar	2
10.	C-1087	Handles	2
11.	C-1089	Shift Levers	2
12.	C-1090	Shift Pads	2
13.	C-1091	Detents	2
14.	C-1092	Detents Bars	2
15.	R-1030	Washers	5
16.	C-2075	Plugs	3
17.	A-1202	Socket Head Cap Screw (M6 x 12L)	5
18.	A-1203	Socket Head Cap Screw (M6 x 16L)	4
19.	A-1606	Cross Recessed Head Screw (M5 x 6L)	3
20.	A-8403	Spring	2
21.	A-7202	Key (4 x 4 x 15)	4
22.	A-7201	Key (4 x 4 x 10)	2
23.	A-7208	Key (5 x 5 x 30)	1
24.	A-3310	Circlip (S28)	1
25.	A-3308	Circlip (S24)	1
26.	A-3302	Circlip (S16)	2
27.	A-6007	O-Ring (P18)	4
28.	A-6004	O-Ring (P12)	2
29.	A-7207	Key (5 x 5 x 25)	1
30.	NC-06	Speed Chart	1
31.	NC-08	Arrow Plate	1

HEADSTOCK : LUBRICATION (VARISPEED)



NO.	PART No.	Description	Quantity
1.	C-1093	Connector	1
2.	C-1098	Drain Pipe	1
3.	C-1098-2	Plug	1
4.	C-1099	Return Hose	1
5.	C-1101	Adaptor	1
6.	C-1102	Dipstick Cap	1
7.	C-1105-1	Oil Tank	1
8.	A-4114	Connecting Pipe	1
9.	A-4111	Clamp	2
10.	A-4113	Inlet Hose	1
11.	A-6013	O-Ring (P25)	1
12.	A-4110	Clamp	1
13.	A-4102	Pump	1
14.	A-4115	Hoses	2
15.	A-4101	Elbow	1
16.	C-7028-6	Motor Pulley	1
17.	A-0109	Vee Belt A-72"	4

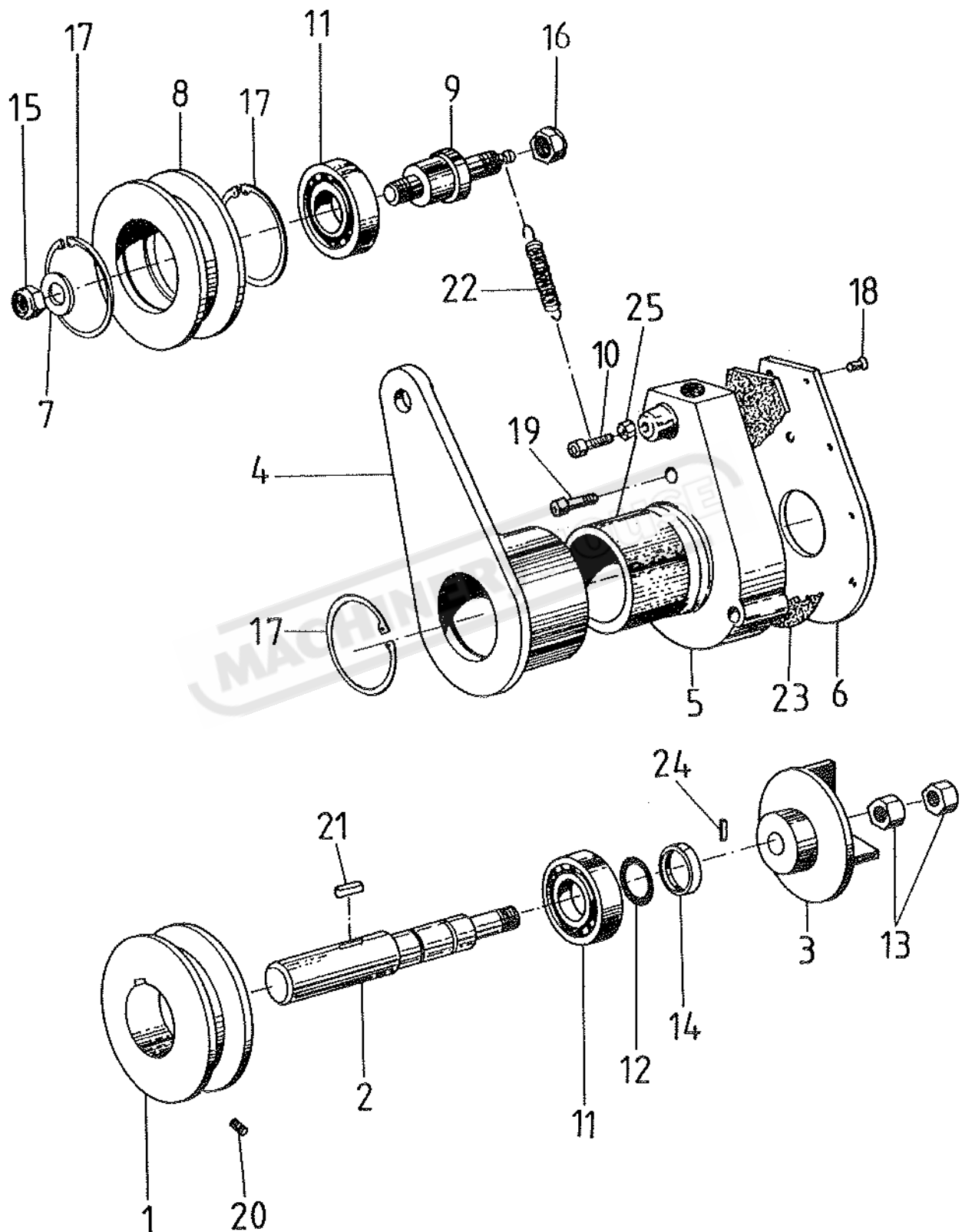
MACHINERYHOUSE

HEADSTOCK : LUBRICATION

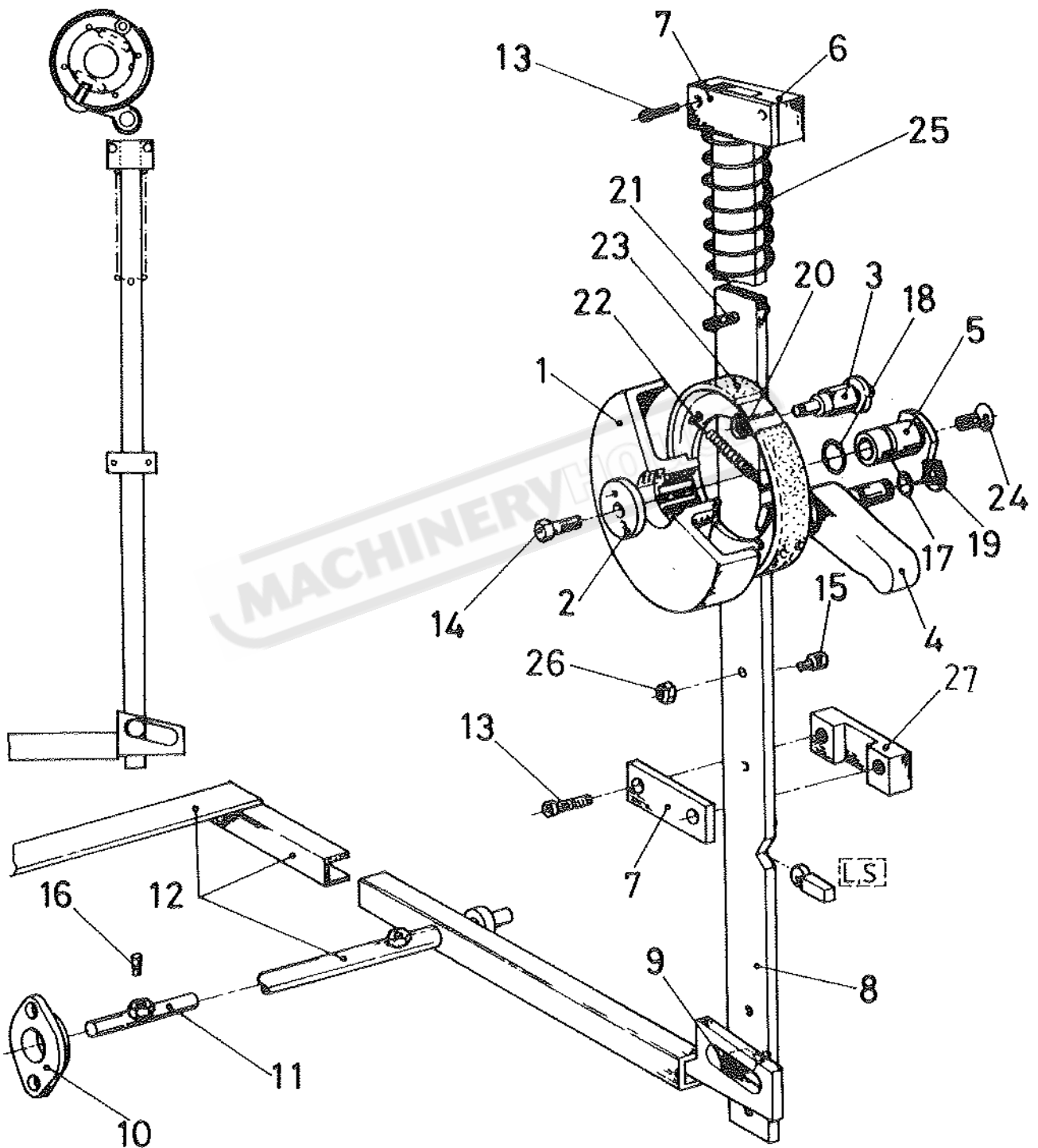
NO.	PART No.	Description	Quantity
1.	C-1093	Connector	1
2.	C-1098	Drain Pipe	1
3.	C-1098-2	Plug	1
4.	C-1099	Return Hose	1
5.	C-1101	Adaptor	1
6.	C-1102	Dipstick Cap	1
7.	C-1105	Oil Tank	1
8.	A-4114	Connecting Pipe	2
9.	A-4111	Clamp	1
10.	A-4113	Inlet Hose	1
11.	A-6013	O-Ring (P25)	1
12.	A-4110	Clamp	1
13.	C7028-3	Motor Pulley (60Hz)	1
	C7028-6	Motor Pulley (50Hz)	1
14.	A-4115	Hoses	2
15.	A-0123	Vee Belt (60Hz) A-33"	1
	A-0124	Vee Belt (50Hz) A-34"	1
16.	A-0109	Vee Belt (50Hz) A-72"	1
	A-0110	Vee Belt (60Hz) A-73"	1

MACHINERYHOUSE

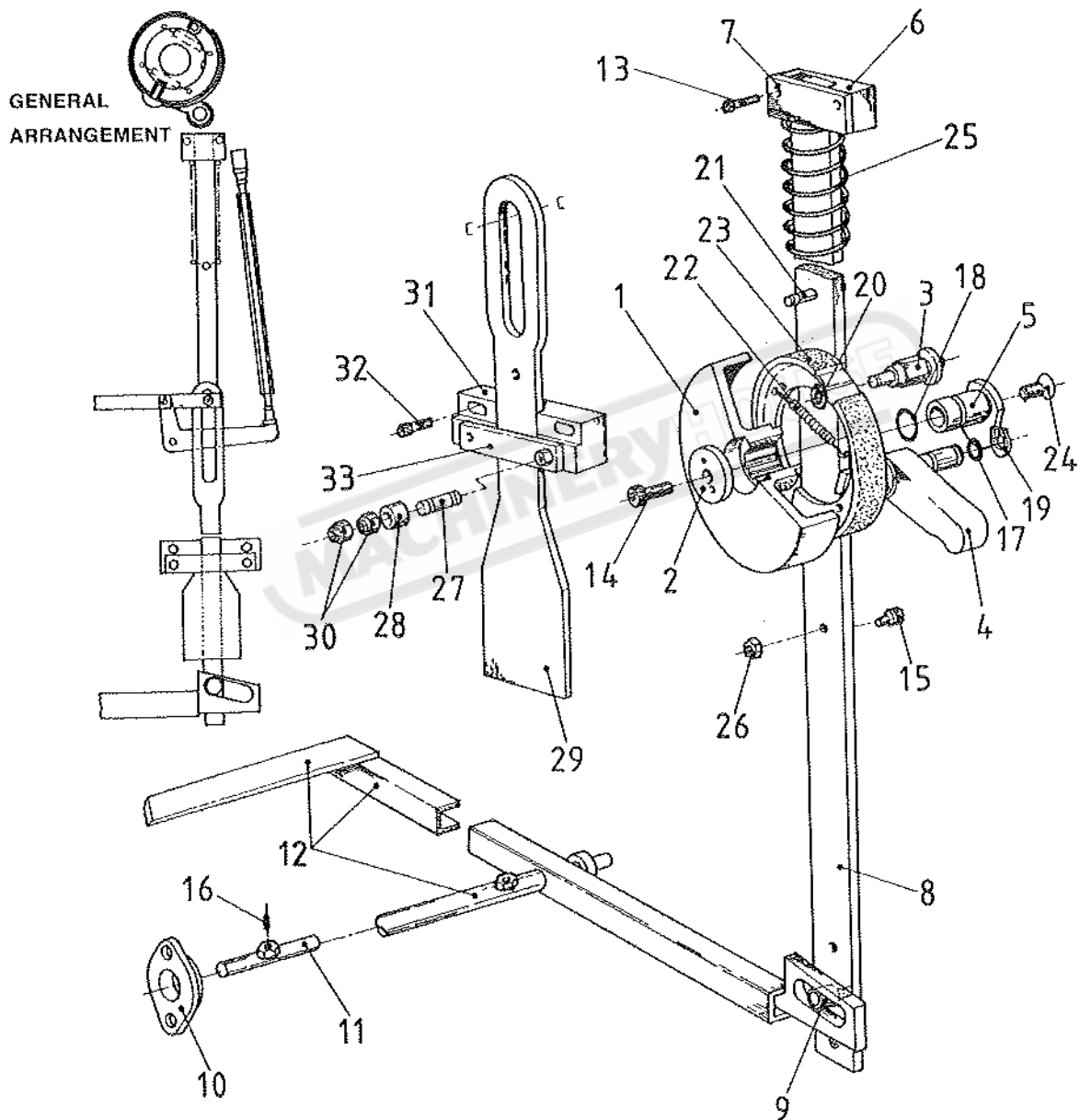
HEADSTOCK : PUMP ASSY



NO.	PART No.	Description	Quantity
1.	C-1106	Pulley	1
2.	C-1107	Shaft	1
3.	C-1109	Impeller	1
4.	C-1110	Plate	1
5.	C-1111	Housing	1
6.	C-1112	Backplate	1
7.	C-1113	Washer	1
8.	C-1114	Pulley	1
9.	C-1115	Shaft	1
10.	A-1517	Socket Head Cap Screw (M6 x 25)	1
11.	A-2037	Bearing #6301ZZ	2
12.	A-6001	O-Ring (P9)	1
13.	A-1707	Nut (5/16")	2
14.	A-5013	Oil Seal (TC 12 x 25 x 7)	1
15.	A-1701	Nut (M8)	1
16.	A-1708	Nut (3/8")	1
17.	A-3201	Circlip (R37)	3
18.	A-1608	Cross Recessed Head Screw (M5 x 15)	7
19.	A-1208	Socket Head Cap Screw (M6 x 40)	3
20.	A-1100	Socket Headless Set Screw (M6 x 6)	1
21.	A-7207	Key (5 x 5 x 25)	1
22.	A-8404	Spring	1
23.	A-9815	Gasket	1
24.	A-4006	Pin (φ3 x 10)	1
25.	A-1700	Nut (M6)	1

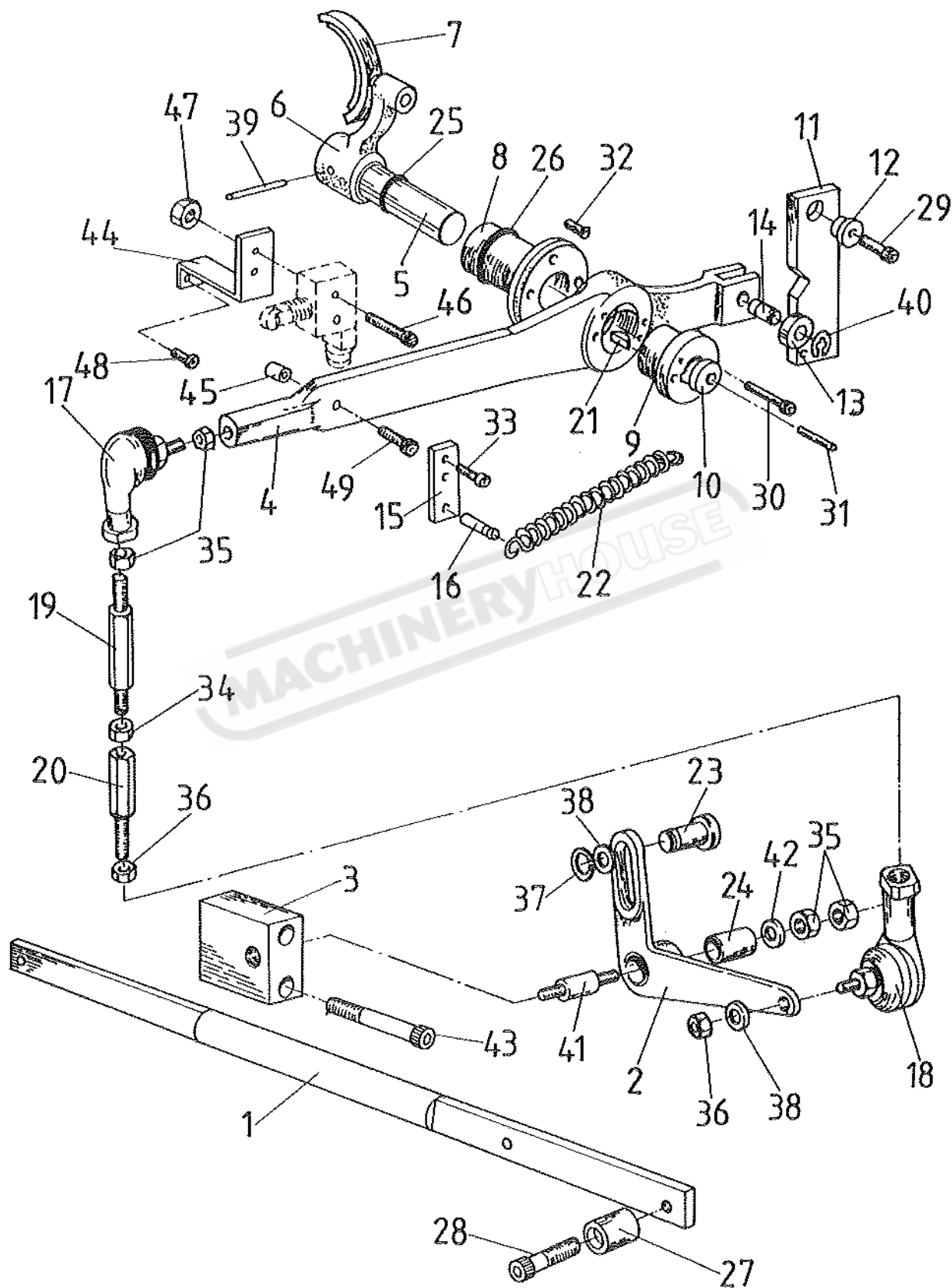
BRAKE : MECHANISM (NON-CLUTCH & VARISPEED)

NO.	PART No.	Description	Quantity
1.	C-1117-1	Drum	1
2.	C-1117-2	Collar	1
3.	C-1118	Stud	1
4.	C-1119	Catch Assembly	1
5.	C-1120	Bush	1
6.	C-1122	Guide Blocks	1
7.	C-1123	Strap Plate	2
8.	C-1124	Operation Bar	1
9.	C-1125	Pivot	1
10.	C-7009	Flanges	2
11.	C-7010	Connect Shafts	2
12.	C-7011	Pedal	1
13.	A-1205	Socket Head Cap Screw (M6 x 25L)	4
14.	A-1213	Socket Head Cap Screw (M8 x 20L)	1
15.	A-1214	Socket Head Cap Screw (M8 x 25L)	1
16.	A-1104	Socket Headless Cap Screw (M6 x 20L)	2
17.	A-6002	O-Ring (P10A)	1
18.	A-6006	O-Ring (P16)	1
19.	A-3300	Circlip (S14)	1
20.	A-3102	Circlip (E8)	1
21.	A-4009	Pin (φ5 x 40)	1
22.	A-8516	Spring	2
23.	A-9801	Brake Shoes Assembly	1
24.	A-1509	Flat Head Cap Screw (M5 x 10L)	1
25.	A-8423	Spring	1
26.	A-1701	Nut (M8)	1
27.	C-1122-2	Guide Blocks	1

BRAKE : MECHANISM (CLUTCH)

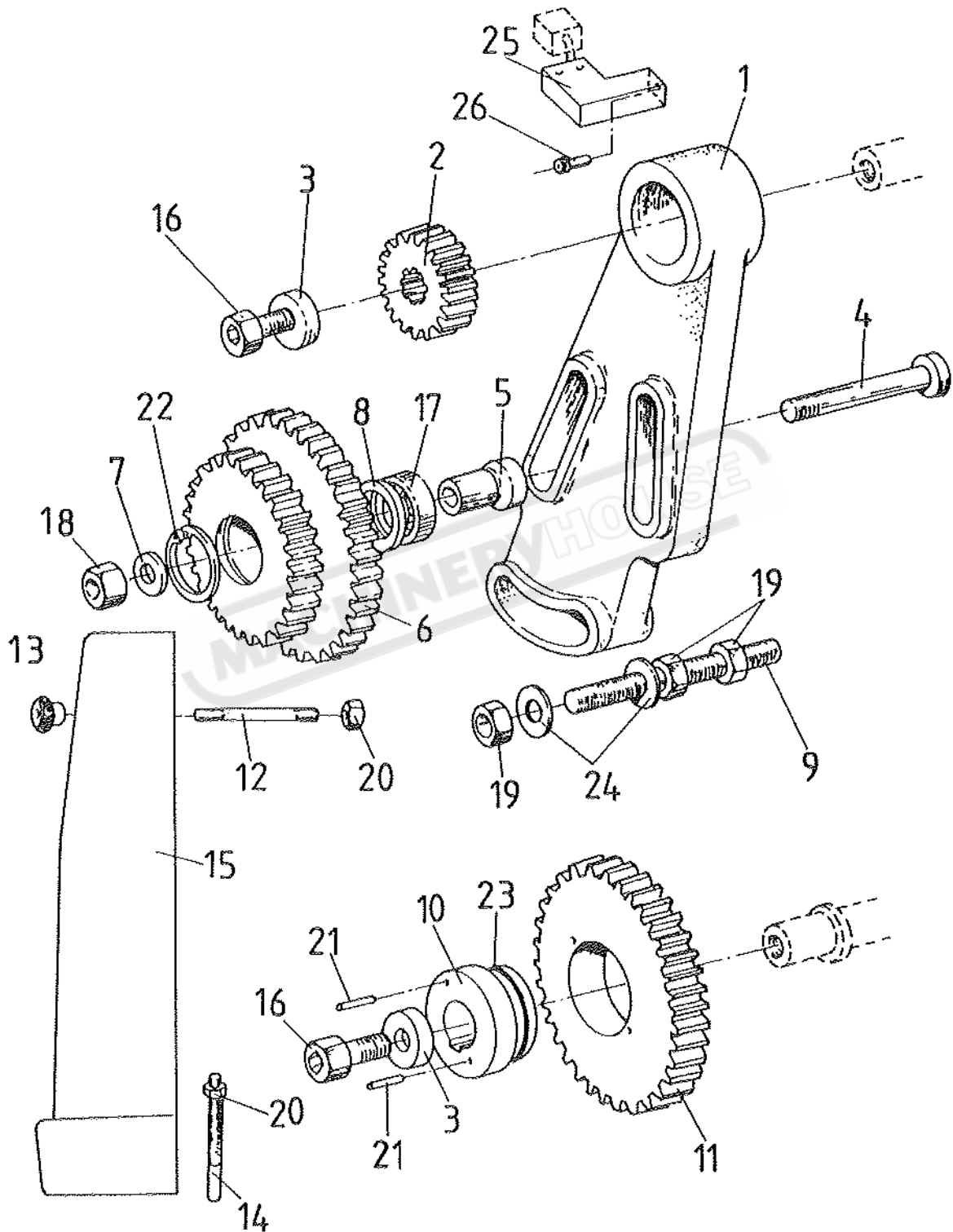
NO.	PART No.	Description	Quantity
1.	C-1117-1	Drum	1
2.	C-1117-2	Collar	1
3.	C-1118	Stud	1
4.	C-1119	Catch Assembly	1
5.	C-1120	Bush	1
6.	C-1122-1	Guide Block	1
7.	C-1123	Strap Plate	1
8.	C-1124	Operation Bar	1
9.	C-1125	Pivot	1
10.	C-7009	Flanges	2
11.	C-7010	Connect Shaft	2
12.	C-7011	Pedal	1
13.	A-1205	Socket Head Cap Screw (M6 x 25L)	2
14.	A-1213	Socket Head Cap Screw (M8 x 20L)	1
15.	A-1214	Socket Head Cap Screw (M8 x 25L)	1
16.	A-1104	Socket Headless Set Screw (M6 x 20L)	2
17.	A-6002	O-Ring (P10A)	1
18.	A-6006	O-Ring (P16)	1
19.	A-3300	Circlip (S14)	1
20.	A-3102	Circlip (E8)	1
21.	A-4009	Pin (ϕ 5 x 40)	1
22.	A-8516	Spring	2
23.	A-9801	Brake Shoes Assembly	1
24.	A-1509	Flat Head Cap Screw (M5 x 10L)	1
25.	A-8423	Spring	1
26.	A-1701	Nut (M8)	1
27.	C-1246	Pivot	2
28.	C-1245	Bush	2
29.	C-1230	Operating Guider	1
30.	A-1702	Nut (M10)	4
31.	C-1255	Guide Block	1
32.	A-1205	Socket Head Cap Screw (M6 x 25L)	2
33.	C-1256	Strap Plate	1

CLUTCH LINKAGE



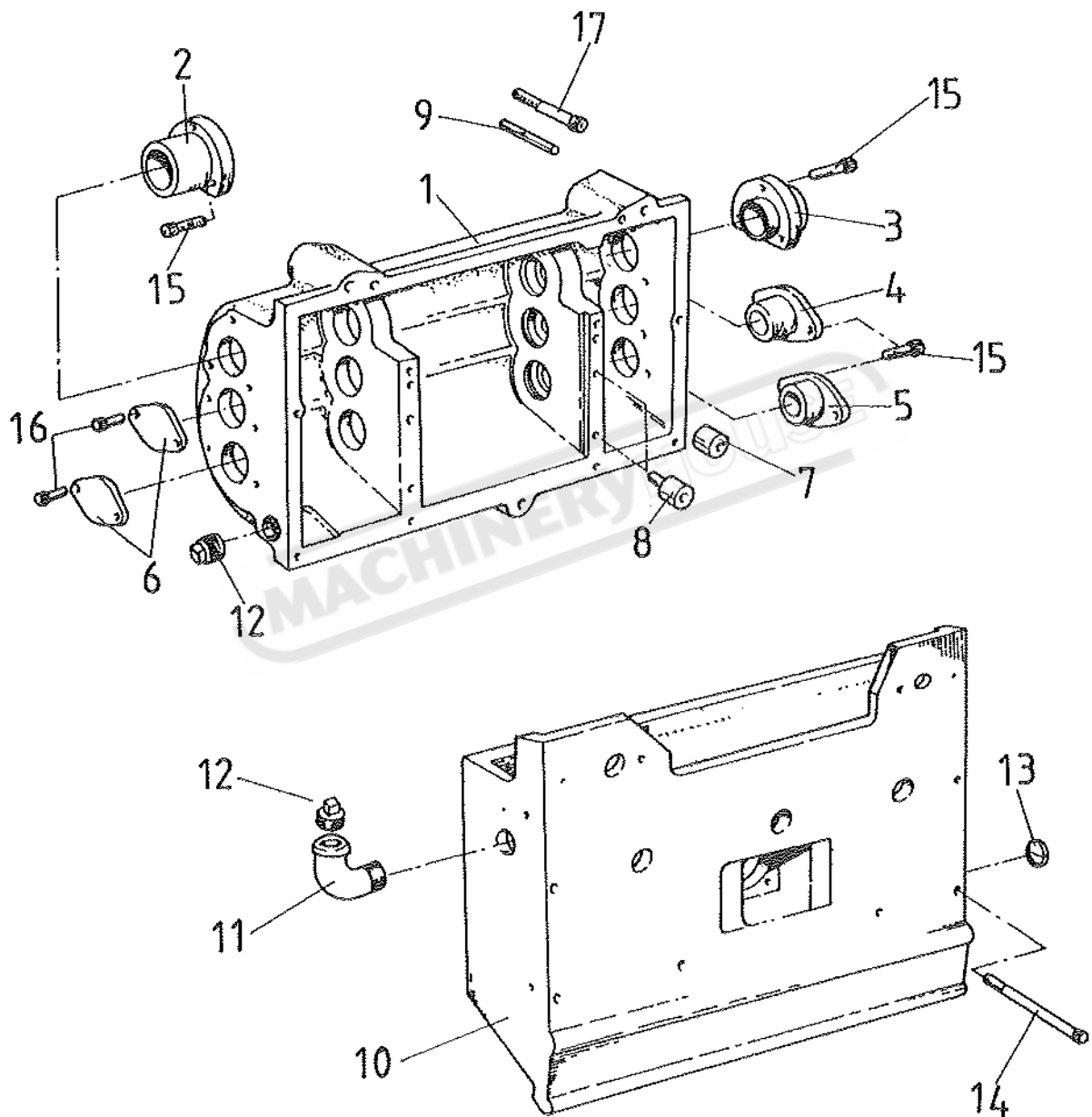
NO.	PART No.	Description	Quantity
1.	C-1249	Operating Bar	1
2.	C-1244	Lever	1
3.	C-1242	Bracket	1
4.	C-1230	Operating Lever	1
5.	C-1227	Shift Shaft	1
6.	C-1226	Shift Lever	1
7.	C-1228	Shift Fork	1
8.	C-1229	Sleeve	1
9.	C-1231	Bush	1
10.	C-3015	Washer	1
11.	C-1235	Pivot Plate	1
12.	C-1236	Bush	1
13.	C-1233	Roller	1
14.	C-1234	Roller Pin	1
15.	C-1238	Plate	1
16.	C-1239	Pin	1
17.	A-9901	Universal Jointer	1
18.	A-9900	Universal Jointer	1
19.	C-1240	Adjusting Rod	1
20.	C-1241	Adjusting Rod	1
21.	A-4021	Key	1
22.	C-1237	Spring	1
23.	C-1247	Shaft	1
24.	C-1245	Bush	1
25.	A-6005	O-Ring (P14)	1
26.	A-6010	O-Ring (P22A)	1
27.	C-1125	Bush	1
28.	A-1214	Socket Head Cap Screw (M8 x 25L)	1
29.	A-1203	Socket Head Cap Screw (M6 x 16L)	1
30.	A-1608	Flat Head Cap Screw (M5 x 16L)	4
31.	A-4005	Pin	1
32.	A-1607	Flat Head Cap Screw (M5 x 12L)	2
33.	A-1203	Socket Head Cap Screw (M6 x 16L)	2
34.	A-1725	Nut (M8-L)	1
35.	A-1702	Nut (M10)	4
36.	A-1701	Nut (M8)	2
37.	A-3100	Circlip (E6)	1
38.	A-1902	Washer	2
39.	A-4008	Pin	2
40.	A-3101	Circlip (E7)	2
41.	C-1246	Pivot	1
42.	A-1908	Washer	1
43.	A-1217	Socket Head Cap Screw (M8 x 45L)	2
44.	C-1273	Switch Plate	1
45.	R-4018	Collar	1
46.	A-1622	Flat Head Driver Screw (M4 x 30L)	2
47.	A-1729	Nut (M4)	2
48.	A-1202	Socket Head Cap Screw (M6 x 12L)	2
49.	A-1204	Socket Head Cap Screw (M6 x 20L)	1

SWING FRAME : END GEARS & COVER



NO.	PART No.	Description	Quantity
1.	C-1126	Swing Frame	1
2.	C-1127	(Inches) Gear (24T)	1
	C-1147	(Metric) Gear (28T)	1
3.	C-1128	Collar	2
4.	C-1129	Gear Shaft	1
5.	C-1130	Gear Collar	1
6.	C-1131	(Inches) Idler Gear (44T/56T)	1
	C-1149	(Metric) Idler Gear (54T/55T)	1
7.	C-1132	Washer	1
8.	C-1133	Spacer	1
9.	C-1134	Stud	1
10.	C-1135	Bush	1
11.	C-1136	(Inches) Gear (57T)	1
	C-1148	(Metric) Gear (64T)	1
12.	C-1137	Stud	1
13.	C-1138	Knurl Nut	1
14.	C-1139	Stud	2
15.	C-1140	End Cover	1
16.	A-1223	Socket Head Cap Screw	2
17.	A-2026	Bearing (#6004)	2
18.	A-1703	Nut (M12)	1
19.	A-1714	Nut	3
20.	A-1701	Nut (M8)	3
21.	A-4017	Pin	2
22.	A-3203	Circlip (R42)	2
23.	A-3314	Circlip (S35)	1
24.	C-1128	Washer	2
25.	C-8039	(VS only) Bracket for Sensor	1
26.	A-1202	(VS only) Socket Head Cap Screw (M6 x 12L)	1

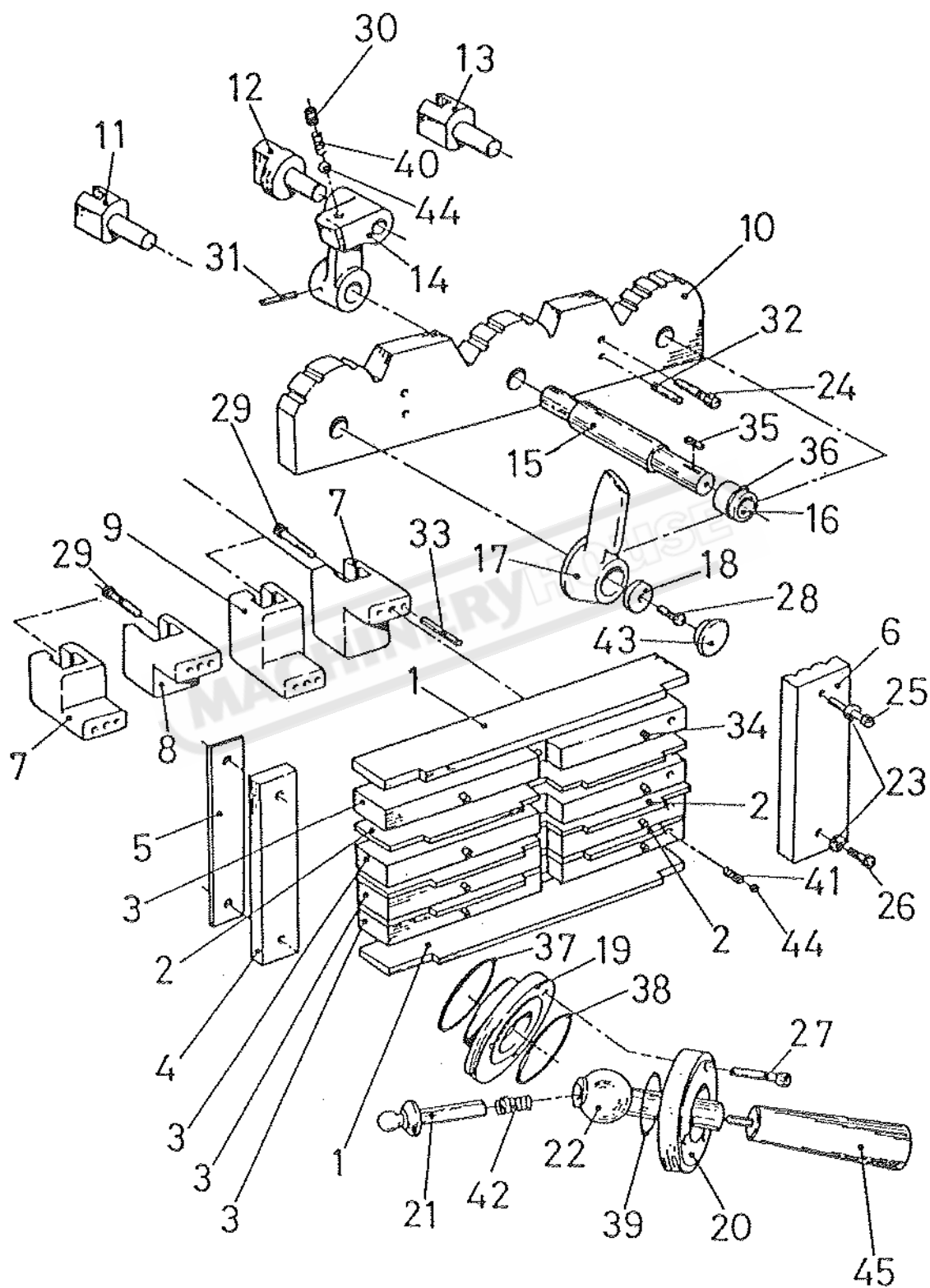
GEARBOX : CASTINGS



NO.	PART No.	Description	Quantity
1.	C-2001	Feed Gearbox Casting	1
2.	C-2002	Flanged Bearing	1
3.	C-2003	Flanged Bearing	1
4.	C-2004	Flanged Bearing	1
5.	C-2005	Flanged Bearing	1
6.	C-2006	Cover	2
7.	C-2007	Top Spacer	2
8.	C-2008	Bottom Spacer	2
9.	C-2009	Dowel	2
10.	C-2010	Front Cover	1
11.	A-1127	Elbow	1
12.	A-1126	Plug	2
13.	A-9501	Oil Sight	1
14.	A-1236	Socket Head Cap Screw (M6 x 90L)	6
15.	A-1203	Socket Head Cap Screw (M6 x 16L)	10
16.	A-1204	Socket Head Cap Screw (M6 x 20L)	4
17.	A-1242	Socket Head Cap Screw (M10 x 60L)	3

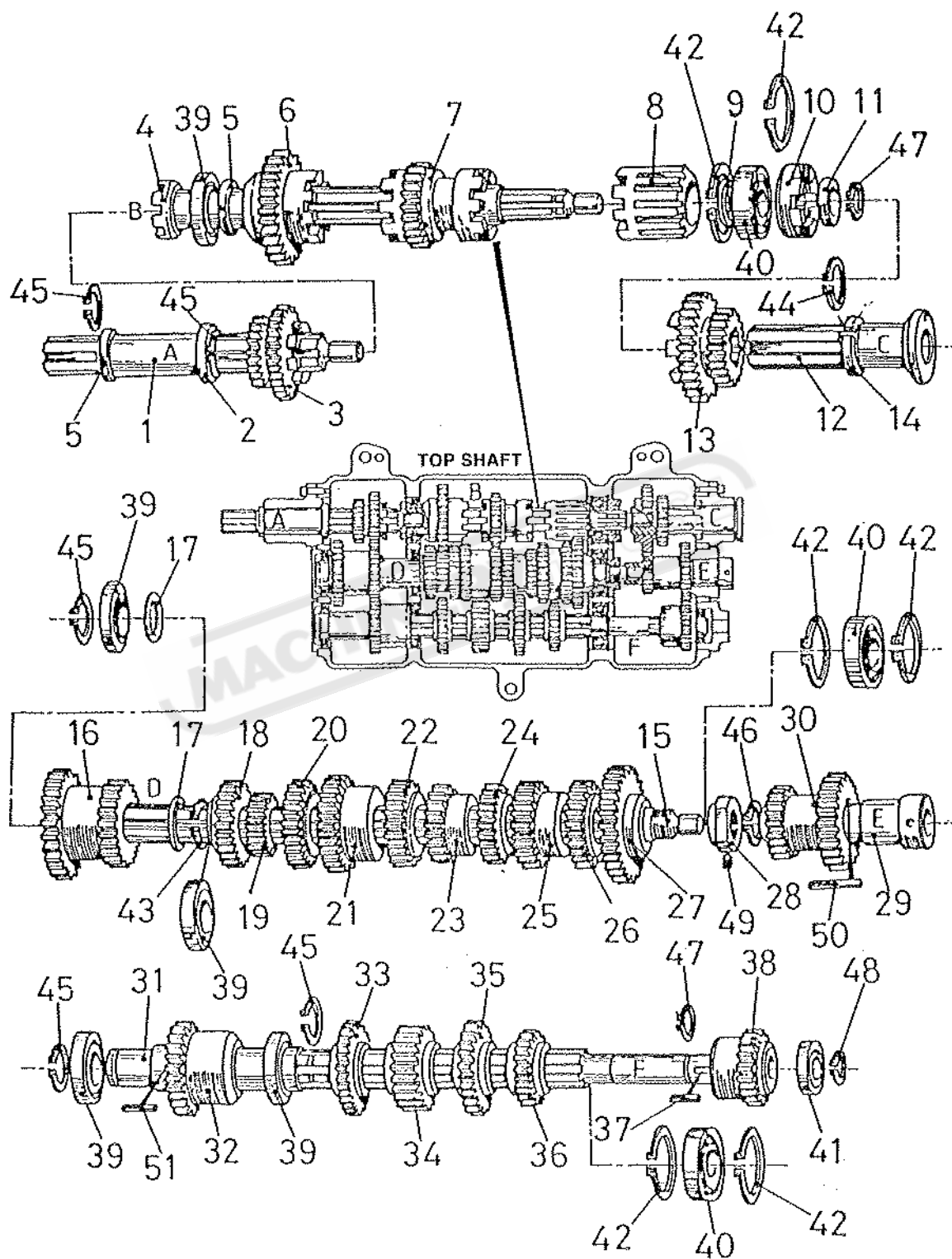
MACHINERYHOUSE

GEARBOX : CONTROLS



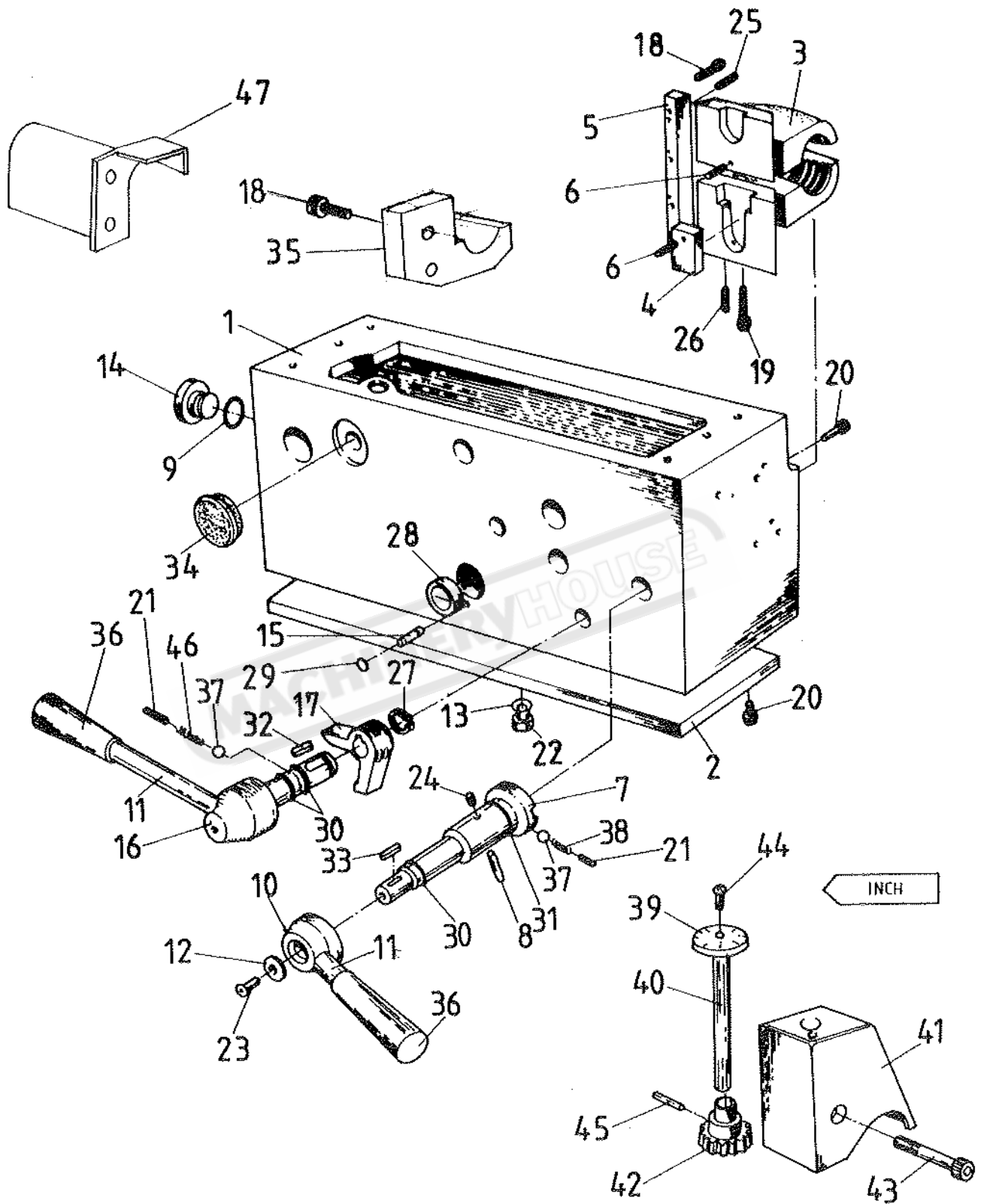
NO.	PART No.	Description	Quantity
1.	C-2013	Top & Bottom Plate	2
2.	C-2014	Dividing Plate	3
3.	C-2015	Guide Plate	4
4.	C-2016	Bar Setter	1
5.	C-2017	Spacer	2
6.	C-2018	Detent Plate	1
7.	C-2019	Fork	2
8.	C-2020	Fork	1
9.	C-2021	Fork	1
10.	C-2022	Selector Bar	1
11.	C-2023	Select Fork (Left)	1
12.	C-2024	Select Fork (Mid.)	1
13.	C-2025	Select Fork (Right)	1
14.	C-2026	Select Lever	3
15.	C-2028	Handle Shaft	3
16.	C-2029	Bush	3
17.	C-1087	Handle	3
18.	R-1030	Washer	3
19.	C-2032	Seating	1
20.	C-2033	Cover	1
21.	C-2034	Selector	1
22.	C-2035	Selector Lever	1
23.	A-1801	Washer	2
24.	A-1205	Socket Head Cap Screw (M6 x 25L)	2
25.	A-1207	Socket Head Cap Screw (M6 x 35L)	2
26.	A-1203	Socket Head Cap Screw (M6 x 15L)	2
27.	A-1206	Socket Head Cap Screw (M6 x 30L)	3
28.	A-1202	Socket Head Cap Screw (M6 x 10L)	3
29.	A-1234	Socket Head Cap Screw (M5 x 10L)	4
30.	A-1106	Socket Headless Set Screw (M8 x 8L)	3
31.	A-4203	Pin	3
32.	A-4005	Pin	2
33.	A-4000	Pin	8
34.	A-4004	Pin	8
35.	A-7201	Key (4 x 4 x 10)	3
36.	A-6005	O-Ring (P15)	3
37.	A-6018	O-Ring (P38)	1
38.	A-6017	O-Ring (P36)	1
39.	A-6015	O-Ring (P29)	1
40.	A-8405	Spring	3
41.	A-8406	Spring	4
42.	A-8407	Spring	1
43.	C-2075	Plug	3
44.	A-9202	Ball	7
45.	A-9107	Handle	1

GEARBOX : GEARS



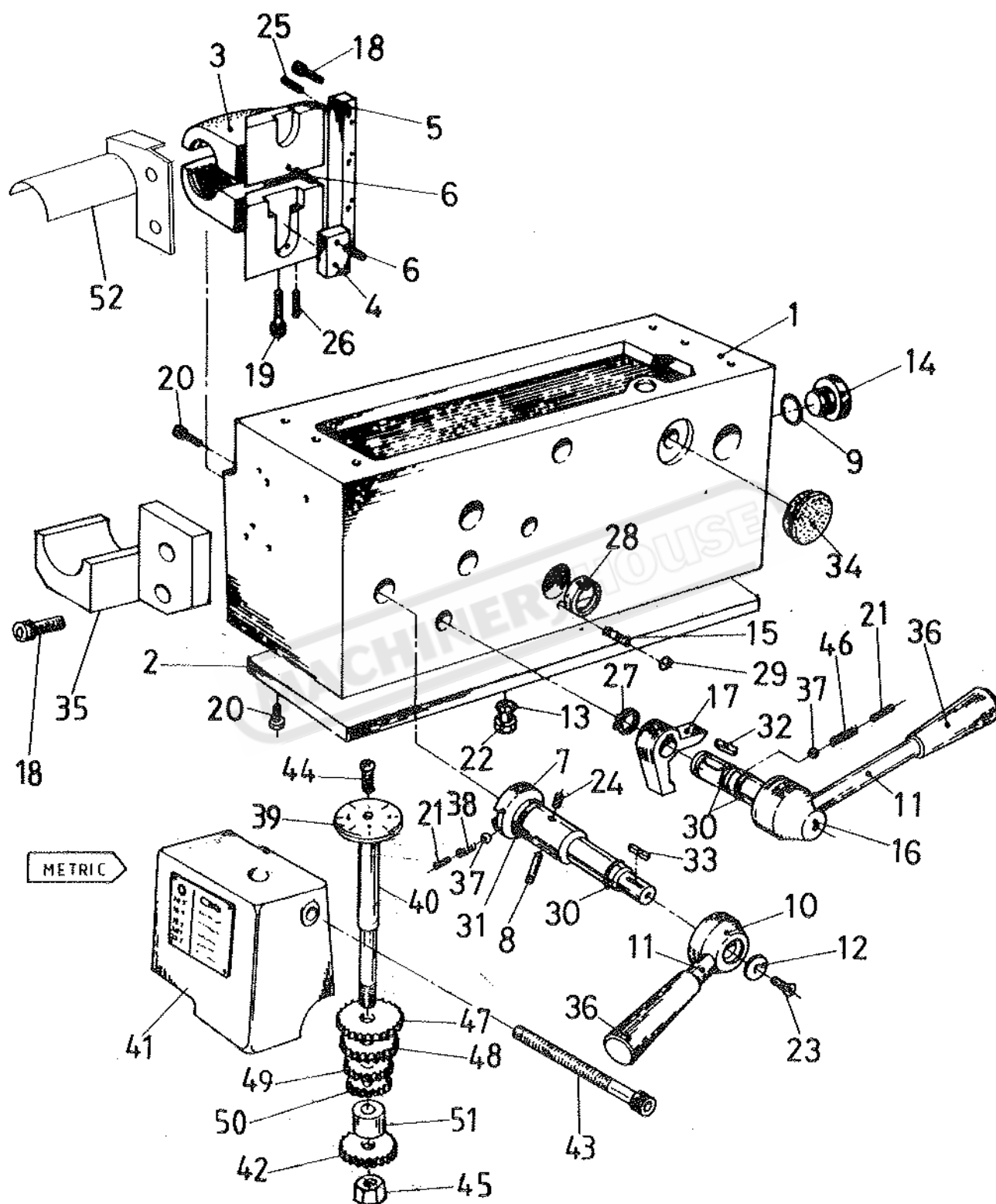
NO.	PART No.	Description	Quantity
1.	C-2037	Shaft (A)	1
2.	C-2038	Collar	1
3.	C-2039	Gear (19T/19T)	1
4.	C-2040	Shaft (B)	1
5.	C-2041	Collar	2
6.	C-2042	Gear (32T)	1
7.	C-2043	Gear (23T)	1
8.	C-2044	Gear (16T)	1
9.	C-2045	Spacer	1
10.	C-2046	Clutch	1
11.	C-2047	Collar	1
12.	C-2048	Shaft	1
13.	C-2049	Gear (35T/25T)	1
14.	C-2050	Collar	1
15.	C-2051	Shaft (D)	1
16.	C-2052	Gear (30T/20T)	1
17.	C-2053	Collar	2
18.	C-2054	Gear (22T)	1
19.	C-2055	Gear (16T)	1
20.	C-2056	Gear (20T)	1
21.	C-2057	Gear (24T)	1
22.	C-2058	Gear (23T)	1
23.	C-2059	Gear (27T)	1
24.	C-2060	Gear (24T)	1
25.	C-2061	Gear (28T)	1
26.	C-2062	Gear (26T)	1
27.	C-2063	Gear (32T)	1
28.	C-2064	Nut	1
29.	C-2065	Shaft (E)	1
30.	C-2066	Gear (18T/45T)	1
31.	C-2067	Shaft (F)	1
32.	C-2068	Gear (22T)	1
33.	C-2069	Gear (22T)	1
34.	C-2070	Gear (22T)	1
35.	C-2071	Gear (33T)	1
36.	C-2072	Gear (22T)	1
37.	A-7207	Key (5 x 5 x 25)	1
38.	C-2074	Gear (36T)	1
39.	A-2004	Bearing #16005	5
40.	A-2034	Bearing #6204	3
41.	A-2003	Bearing #16003	1
42.	A-3204	Circlip (R47)	6
43.	A-3312	Circlip (S30)	1
44.	A-3310	Circlip (S28)	1
45.	A-3309	Circlip (S25)	5
46.	A-3307	Circlip (S22)	1
47.	A-3306	Circlip (S20)	2
48.	A-3303	Circlip (S17)	1
49.	A-1100	Socket Headless Set Screw (M6 x 6L)	1
50.	A-7210	Key (5 x 5 x 40)	1
51.	A-7215	Key (6 x 6 x 30)	1

APRON : LEFT-HAND



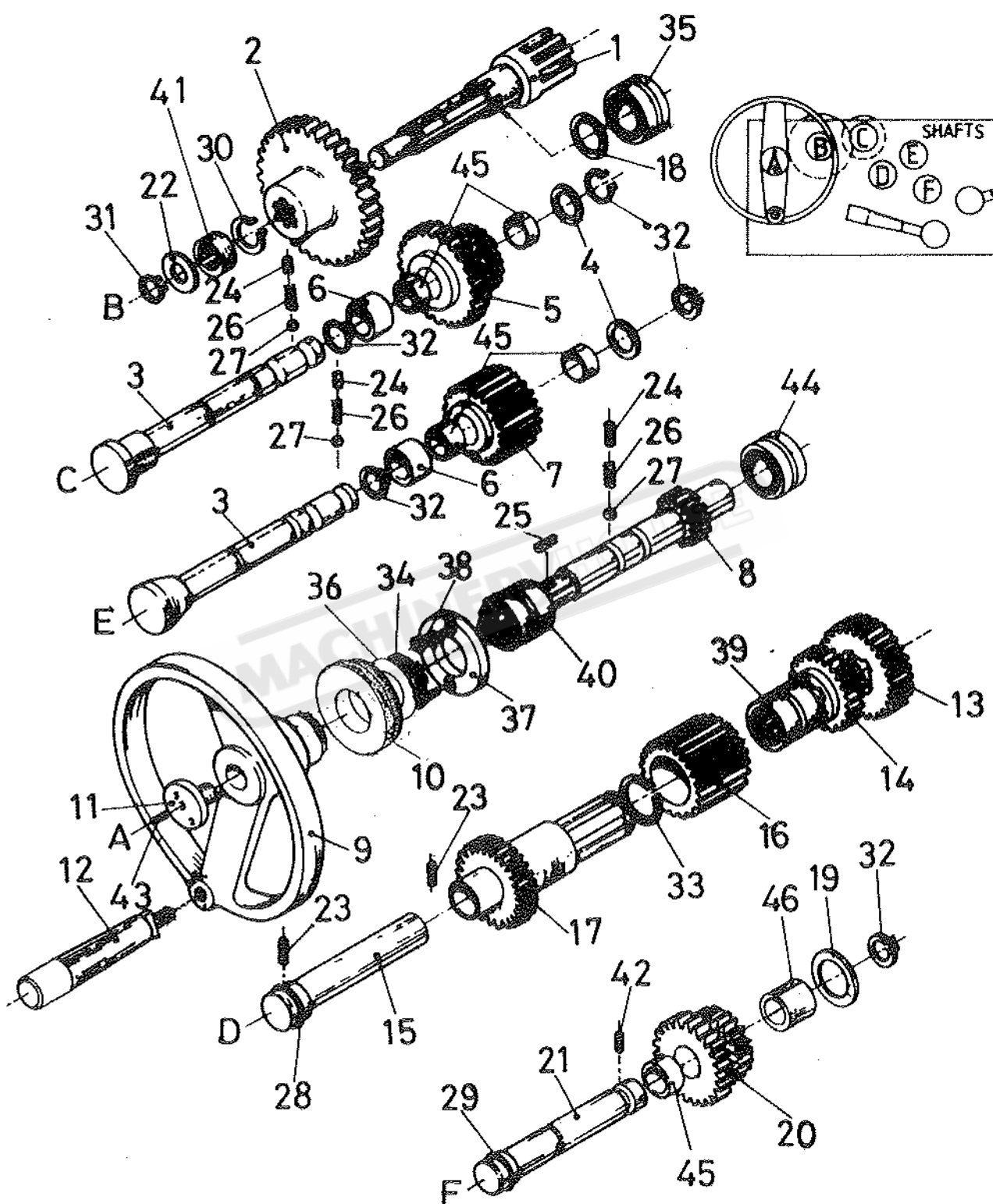
NO.	PART No.	Description	Quantity
1.	C-3001-2	Apron Casting, L.H.	1
2.	C-3002-2	Bottom Plate, L.H.	1
3.	C-3003-2	Inch Halfnut, L.H.	1
4.	C-3004	Guide Plate	1
5.	C-3005	Gib	1
6.	C-3008	Stud	2
7.	C-3010	Camshaft, L.H.	1
8.	A-1132	Socket Headless Set Screw (M10 x 40L)	1
9.	A-6008	O-Ring (P20)	1
10.	C-3013	Handle Boss	1
11.	C-3014	Handle	2
12.	C-3015	Washer	1
13.	A-6004	O-Ring (P12)	1
14.	C-3017	Plug	1
15.	C-3018	Pin	1
16.	C-3019	Lever Assembly	1
17.	C-3020	Latch	1
18.	A-1204	Socket Head Cap Screw (M6 x 20L)	5
19.	A-1208	Socket Head Cap Screw (M6 x 40L)	1
20.	A-1203	Socket Head Cap Screw (M6 x 16L)	11
21.	A-1106	Socket Headless Set Screw (M8 x 8L)	1
22.	A-1426	Hexagon Bolt (M12 x 16L)	1
23.	A-1612	Socket Flat Head Screw (M6X10L)	1
24.	A-1108	Socket Headless Set Screw (M10 x 10L)	1
25.	A-1101	Socket Headless Set Screw (M6 x 10L)	3
26.	A-1105	Socket Headless Set Screw (M6 x 30L)	1
27.	A-3304	Circlip (S18)	1
28.	A-9501	Oil Sight	1
29.	A-6000	O-Ring (P7)	1
30.	A-6007	O-Ring (P18)	3
31.	A-6012	O-Ring (P24)	1
32.	A-7205	Key (5 x 5 x 15)	1
33.	A-7228	Key (4 x 4 x 20)	1
34.	A-4505	Plug	1
35.	C-3006	Bracket	1
36.	A-9107	Handle	2
37.	A-9202	Ball	1
38.	A-8405	Spring	1
39.	NC-34	Dial (Inch)	1
40.	C-3072	Axle	1
41.	C-3075	Indicator Case	1
42.	C-3076	Dial Gear	1
43.	A-1218	Socket Head Cap Screw (M8 x 55L)	1
44.	A-1513	Cross Round Head Screw (M4 x 6L)	1
45.	A-4001	Pin	1
46.	A-8406	Spring	1
47.	C-3016	Cover	1

APRON : RIGHT-HAND



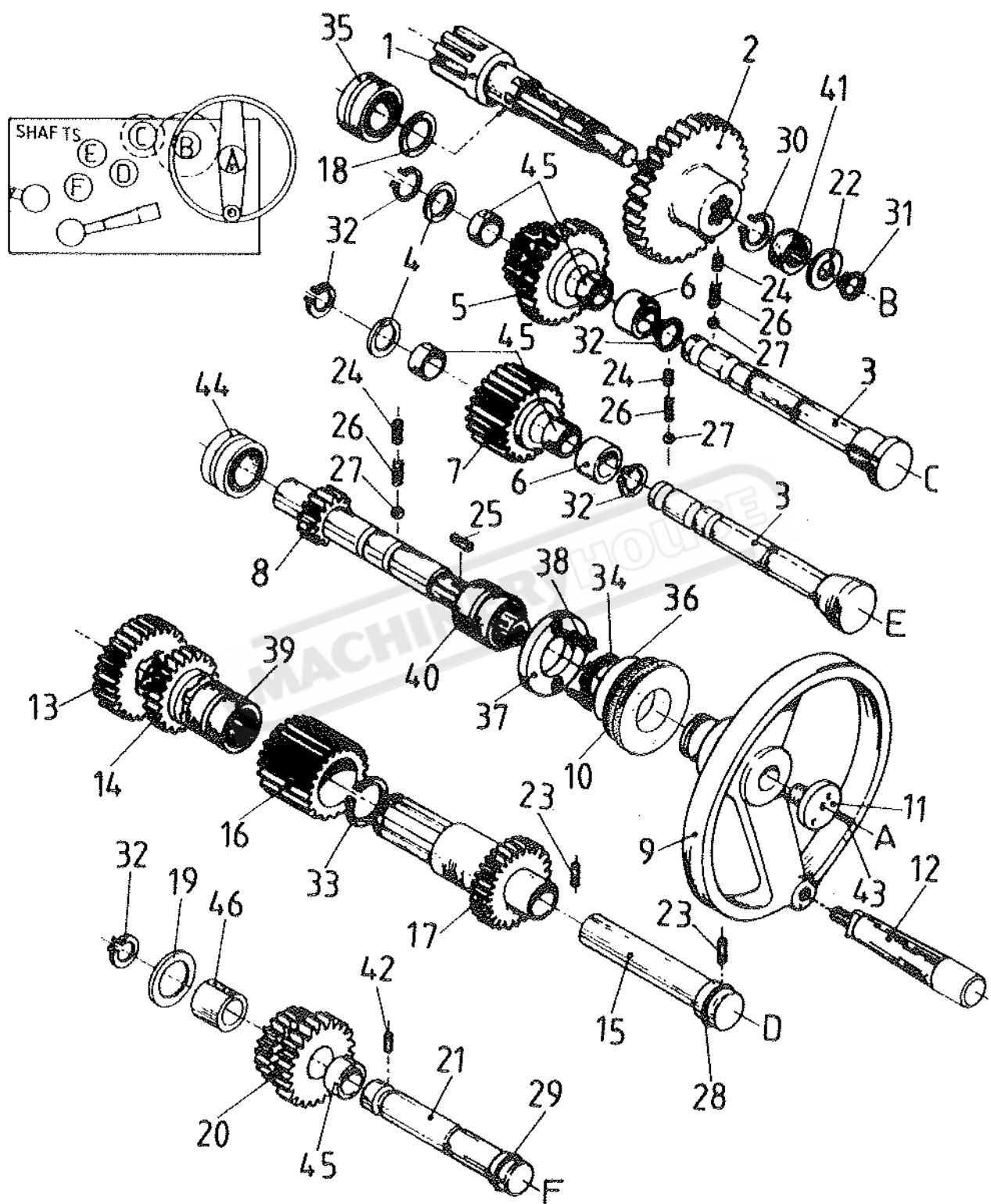
NO.	PART No.	Description	Quantity
1.	C-3001-1	Apron Casting, R.H.	1
2.	C-3002-1	Bottom Plate, R.H.	1
3.	C-3003-1	Metric Halfnut, R.H.	1
4.	C-3004	Guide Plate	1
5.	C-3005	Gib	1
6.	C-3008	Stud	2
7.	C-3010-1	Camshaft, R.H.	1
8.	A-1132	Socket Headless Set Screw (M10 x 40L)	1
9.	A-6008	O-Ring (P20)	1
10.	C-3013	Handle Boss	1
11.	C-3014	Handle	2
12.	C-3015	Washer	1
13.	A-6004	O-Ring (P12)	1
14.	C-3017	Plug	1
15.	C-3018	Pin	1
16.	C-3019	Lever Assembly	1
17.	C-3020	Latch	1
18.	A-1204	Socket Head Cap Screw (M6 x 20L)	5
19.	A-1208	Socket Head Cap Screw (M6 x 40L)	1
20.	A-1203	Socket Head Cap Screw (M6 x 16L)	11
21.	A-1106	Socket Headless Set Screw (M8 x 8L)	2
22.	A-1426	Hexagon Bolt (M12 x 16L)	1
23.	A-1612	Socket Flat Head Screw (M6 x 10L)	1
24.	A-1108	Socket Headless Set Screw (M10 x 10L)	1
25.	A-1101	Socket Headless Set Screw (M6 x 10L)	3
26.	A-1105	Socket Headless Set Screw (M6 x 30L)	1
27.	A-3304	Circlip (S18)	1
28.	A-9501	Oil Sight	1
29.	A-6000	O-Ring (P7)	1
30.	A-6007	O-Ring (P18)	3
31.	A-6012	O-Ring (P24)	1
32.	A-7205	Key (5 x 5 x 15)	1
33.	A-7228	Key (4 x 4 x 20)	1
34.	A-4505	Plug	1
35.	C-3006	Bracket	1
36.	A-9107	Handle	2
37.	A-9202	Ball	2
38.	A-8405	Spring	1
39.	NC-59	Dial (Metric)	1
40.	C-3079	Axle	1
41.	C-3078	Indicator Case	1
42.	C-3080	Gear (14T)	1
43.	A-1256	Socket Head Cap Screw (M8 x 85L)	1
44.	A-1513	Cross Round Head Screw (M4 x 6L)	1
45.	A-1708	Nut (3/8")	1
46.	A-8406	Spring	1
47.	C-3084	Gear (22T)	1
48.	C-3083	Gear (20T)	1
49.	C-3082	Gear (18T)	1
50.	C-3081	Gear (13T)	1
51.	C-3085	Collar	1
52.	C-3016	Cover	1

APRON CONTROLS : LEFT-HAND



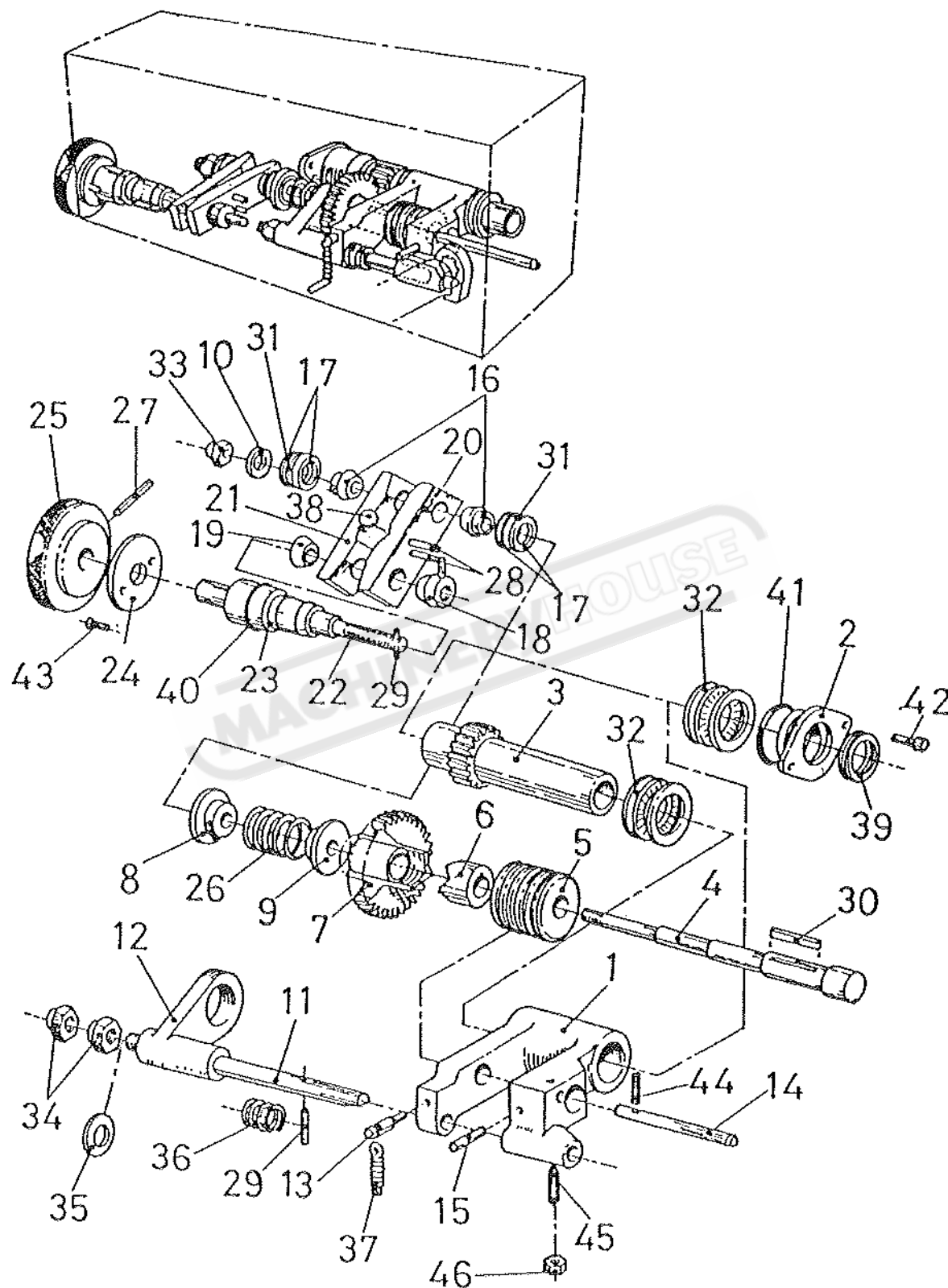
NO.	PART No.	Description	Quantity
1.	C-3021	Rack Pinion (B)	1
2.	C-3022	Gear (56T)	1
3.	C-3023	Shaft (C.E.)	2
4.	C-3024	Washer	2
5.	C-3025	Gear (15/33T)	1
6.	C-3026	Collar	2
7.	C-3028	Gear (24T)	1
8.	C-3029	Shaft (A)	1
9.	C-3030	Handwheel	1
10.	C-3093-1	Dial (Inches)	1
11.	C-3032	Plug	1
12.	C-3034	Handle	1
13.	C-3035	Gear (27T)	1
14.	C-3036	Gear (24T)	1
15.	C-3037	Shaft (D)	1
16.	C-3038	Pinion Gear	1
17.	C-3039	Pinion Shaft	1
19.	C-3041	Washer	1
20.	C-3042	Gear (24T/26T)	1
21.	C-3043	Shaft (F)	1
22.	C-3012	Washer	1
23.	A-1101	Socket Headless Set Screw (M6 x 10L)	2
24.	A-1106	Socket Headless Set Screw (M8 x 8L)	3
25.	A-7206	Key (5 x 5 x 20)	1
26.	A-8405	Spring	3
27.	A-9202	Ball	3
28.	A-6009	O-Ring (P21)	1
29.	A-6007	O-Ring (P18)	1
30.	A-3307	Circlip (S22)	1
31.	A-3302	Circlip (S16)	1
32.	A-3304	Circlip (S18)	5
33.	A-3310	Circlip (S28)	1
34.	A-3313	Circlip (S32)	1
35.	A-2076	Bearing(NA6922)	1
36.	A-1912	Wave Washer(BWW6204)	1
37.	C-3094	Collar	1
38.	A-1610	Recessed Flat Head Screw (M6 x 12L)	2
39.	A-2107	Needle Bearing (TAF 30.40.30)	1
40.	A-2108	Needle Bearing (TAF 25.33.16)	1
41.	A-2066	Bearing (BA105)	1
42.	A-1100	Socket Headless Set Screw (M6 X 6)	1
43.	A-1105	Socket Headless Set Screw (M6 X 30)	1
44.	A-2068	Bearing (NA6905)	1
45.	A-2116	Bearing (70B-1815)	5
46.	A-2118	Bearing (70B-1810)	1

APRON CONTROLS : RIGHT-HAND



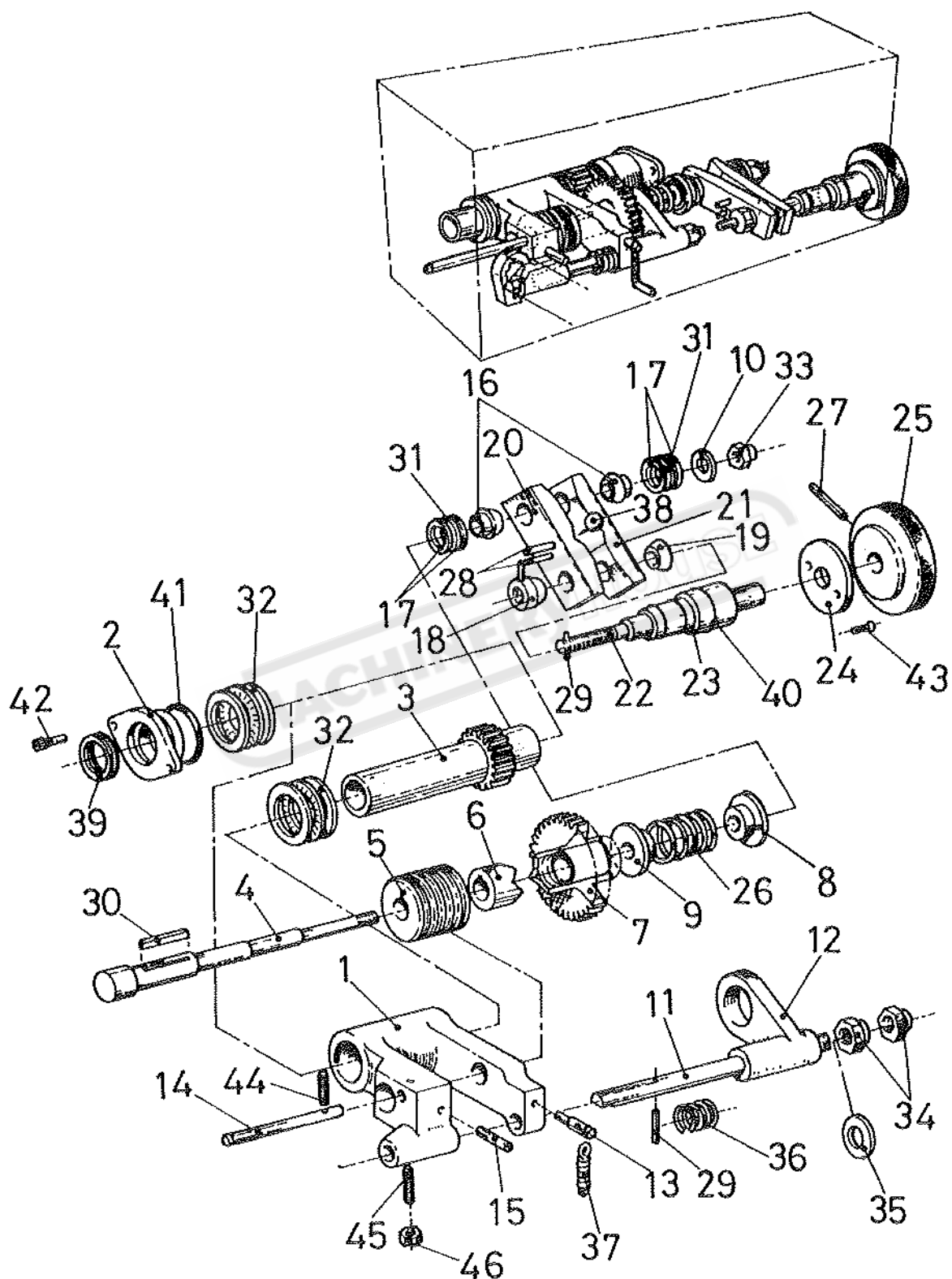
NO.	PART No.	Description	Quantity
1.	C-3021	Rack Pinion (B)	1
2.	C-3022	Gear (56T)	1
3.	C-3023	Shaft (C.E.)	2
4.	C-3024	Washer	2
5.	C-3025	Gear (15T/33T)	1
6.	C-3026	Collar	2
7.	C-3028	Gear (24T)	1
8.	C-3029	Shaft (A)	1
9.	C-3030	Handwheel	1
10.	C-3093	Dial (Metric)	1
11.	C-3032	Plug	1
12.	C-3034	Handle	1
13.	C-3035	Gear (27T)	1
14.	C-3036	Gear (24T)	1
15.	C-3037	Shaft (D)	1
16.	C-3038	Pinion Gear	1
17.	C-3039	Pinion Shaft	1
19.	C-3041	Washer	1
20.	C-3042	Gear (24T/26T)	1
21.	C-3043	Shaft (F)	1
22.	C-3012	Washer	1
23.	A-1101	Socket Headless Set Screw (M6 x 10L)	2
24.	A-1106	Socket Headless Set Screw (M8 x 8L)	3
25.	A-7206	Key (5 x 5 x 20)	1
26.	A-8405	Spring	3
27.	A-9202	Ball	3
28.	A-6009	O-Ring (P21)	1
29.	A-6007	O-Ring (P18)	1
30.	A-3307	Circlip (S22)	1
31.	A-3302	Circlip (S16)	1
32.	A-3304	Circlip (S18)	5
33.	A-3310	Circlip (S28)	1
34.	A-3313	Circlip (S32)	1
35.	A-2076	Bearing (NA6922)	1
36.	A-1912	Wave Washer (BWW6204)	1
37.	C-3094	Collar	1
38.	A-1610	Recessed Flat Head Screw (M6 x 12L)	2
39.	A-2107	Needle Bearing (TAF 30.40.30)	1
40.	A-2108	Needle Bearing (TAF 25.33.16)	1
41.	A-2066	Bearing (BA105)	1
42.	A-1100	Socket Headless Set Screw (M6 X 6)	1
43.	A-1105	Socket Headless Set Screw (M6 X 30)	1
44.	A-2068	Bearing (NA6905)	1
45.	A-2116	Bearing (70B-1815)	5
46.	A-2118	Bearing (70B-1810)	1

APRON : WORMBOX. LEFT-HAND



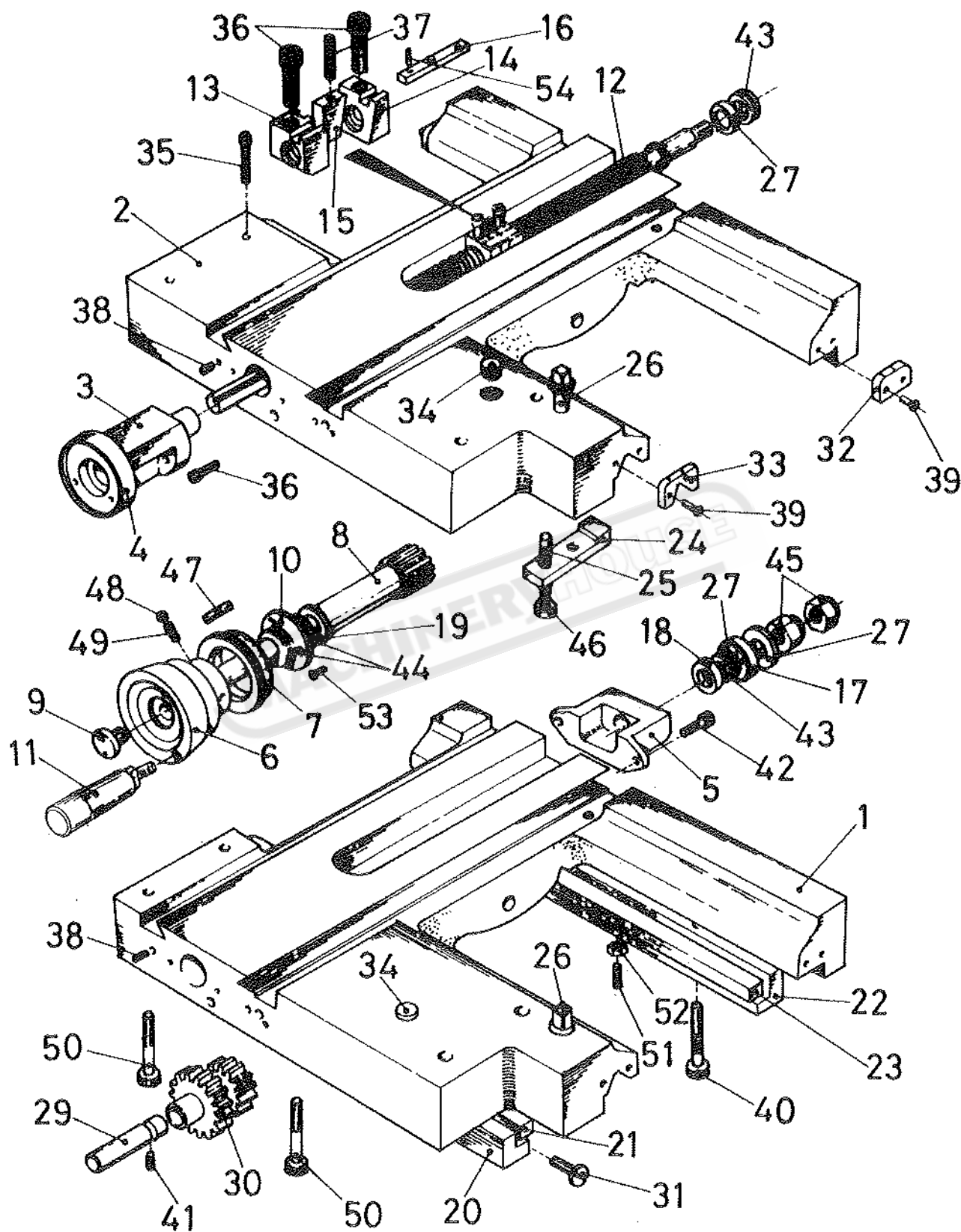
NO.	PART No.	Description	Quantity
1.	C-3044-2	Worm Set, L.H.	1
2.	C-3045	Bush Assembly	2
3.	C-3046	Pinion	1
4.	C-3048	Trip Shaft	1
5.	C-3049	Worm	1
6.	C-3050	Bush	1
7.	C-3051	Clutch Gear Assembly	1
8.	C-3052-1	Collar	1
9.	C-3052-2	Collar	1
10.	C-3053	Washer	1
11.	C-3054	Rod	1
12.	C-3055	Lever	1
13.	C-3056	Stud	1
14.	C-3057	Inter-lock Shaft	1
15.	C-3058	Stud	1
16.	C-3059	Dent	2
17.	C-3060	Washer	4
18.	C-3061	Dent	1
19.	C-3063	Dent	1
20.	C-3064	Plate	1
21.	C-3065	Plate	1
22.	C-3066	Adjusting Shaft	1
23.	C-3067	Coupling Assembly	1
24.	C-3069	Adapting Plate	1
25.	C-3070	Adjusting Knob	1
26.	C-3092	Spring	1
27.	A-4011	Pin	1
28.	A-4005	Pin	3
29.	A-4001	Pin	1
30.	A-7229	Key(5x5x45)	1
31.	A-2000	Bearing #1528 AS	2
32.	A-2002	Bearing #3047 AS	3
33.	A-1719	Nylon Nut	1
34.	A-1709	Nut	2
35.	C-1132	Washer	1
36.	A-8408	Spring	1
37.	A-8409	Spring	1
38.	A-9205	Ball	1
39.	A-5009	Oil Seal	2
40.	A-6009	O-Ring (P21)	1
41.	A-6020	O-Ring (P42)	2
42.	A-1203	Socket Head Cap Screw (M6 x 16L)	4
43.	A-1601	Cross Recessed Head Screw (3/16"x 3/8")	2
44.	A-1100	Socket Headless Set Screw (M6 x 6L)	2
45.	A-1103	Socket Headless Set Screw (M6 x 16L)	1
46.	A-1700	Nut (M6)	1

APRON : WORMBOX. RIGHT-HAND

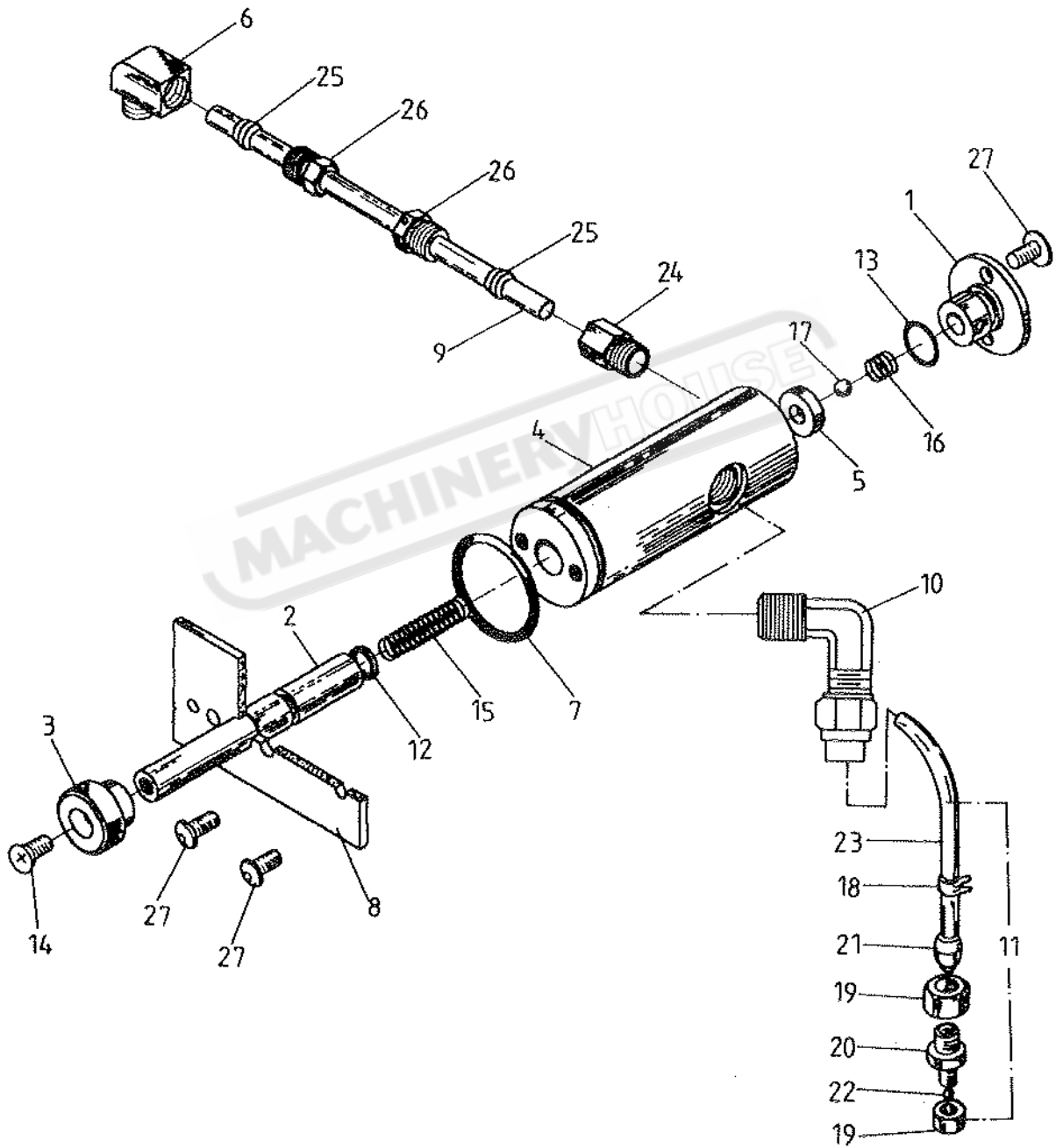


NO.	PART No.	Description	Quantity
1.	C-3044-1	Worm Set, R.H.	1
2.	C-3045	Bush Assembly	2
3.	C-3046	Pinion	1
4.	C-3048	Trip Shaft	1
5.	C-3049	Worm	1
6.	C-3050	Bush	1
7.	C-3051	Clutch Gear Assembly	1
8.	C-3052-1	Collar	1
9.	C-3052-2	Collar	1
10.	C-3053	Washer	1
11.	C-3054	Rod	1
12.	C-3055	Lever	1
13.	C-3056	Stud	1
14.	C-3057	Inter-lock Shaft	1
15.	C-3058	Stud	1
16.	C-3059	Dent	2
17.	C-3060	Washer	4
18.	C-3061	Dent	1
19.	C-3063	Dent	1
20.	C-3064	Plate	1
21.	C-3065	Plate	1
22.	C-3066	Adjusting Shaft	1
23.	C-3067	Coupling Assembly	1
24.	C-3069	Adapting Plate	1
25.	C-3070	Adjusting Knob	1
26.	C-3092	Spring	1
27.	A-4011	Pin	1
28.	A-4005	Pin	3
29.	A-4001	Pin	1
30.	A-7229	Key (5 x 5 x 45)	1
31.	A-2000	Bearing (#1528 AS)	2
32.	A-2002	Bearing (#3047 AS)	3
33.	A-1719	Nylon Nut	1
34.	A-1709	Nut	2
35.	C-1132	Washer	1
36.	A-8408	Spring	1
37.	A-8409	Spring	1
38.	A-9205	Ball	1
39.	A-5009	Oil Seal	2
40.	A-6009	O-Ring (P21)	1
41.	A-6020	O-Ring (P42)	2
42.	A-1203	Socket Head Cap Screw (M6 x 16L)	4
43.	A-1601	Cross Recessed Head Screw (3/16" x 3/8")	2
44.	A-1100	Socket Headless Set Screw (M6 x 6L)	2
45.	A-1103	Socket Headless Set Screw (M6 x 16L)	1
46.	A-1700	Nut (M6)	1

SADDLES : ASSEMBLIES

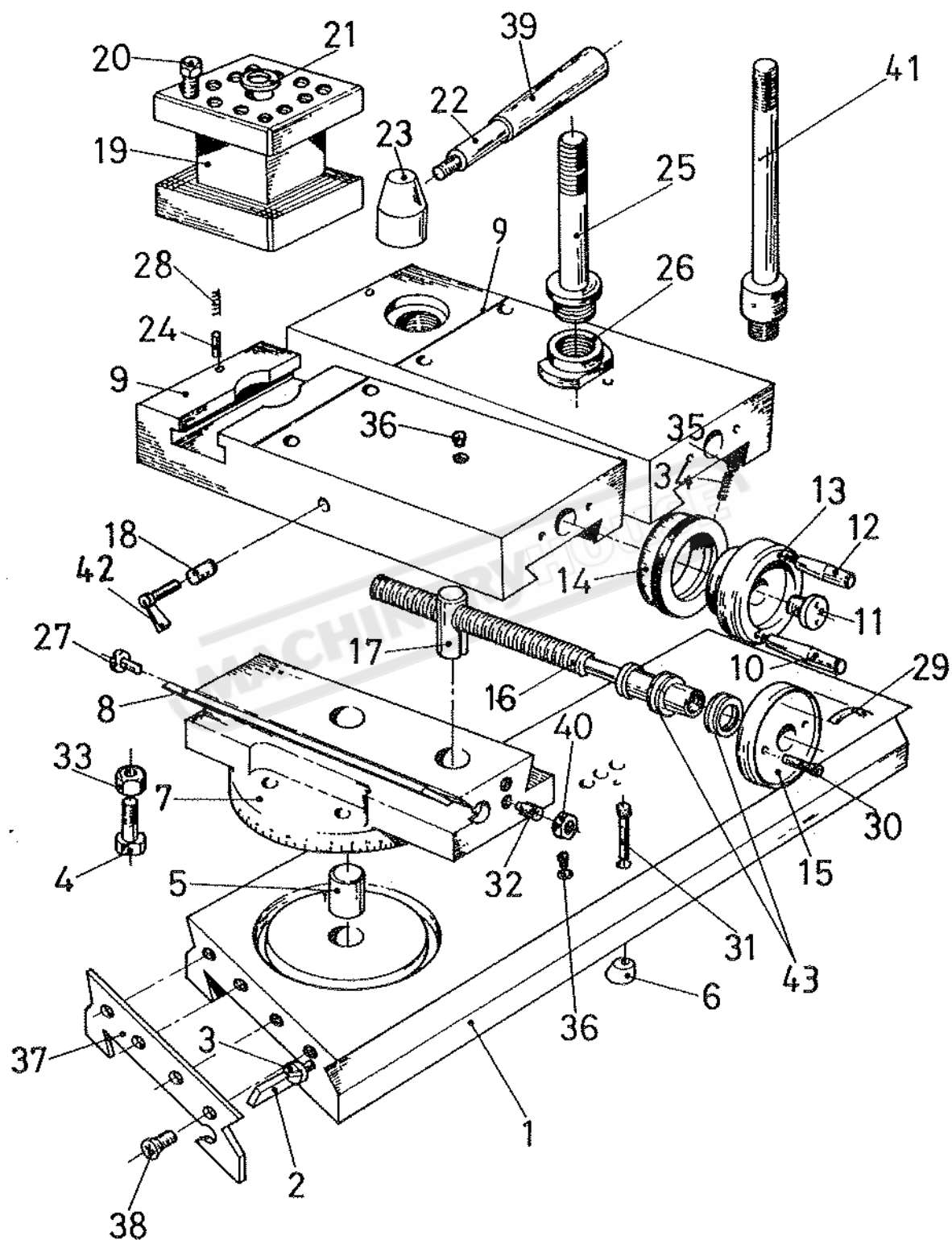


NO.	PART No.	Description	Quantity
1.	C-4001-1	Saddle Casting, R.H.	1
2.	C-4001-2	Saddle Casting, L.H.	1
3.	C-4002	Keep Assembly	1
4.	C-4003	Collar	1
5.	C-4004	Bracket	1
6.	C-4005-2	Handwheel	1
7.	C-4006-1	Index Ring, (Metric)	1
	C-4006-2	Index Ring, (Inches)	1
	C-4006-3	Index Ring, (Dual Dial)	1
8.	C-4007	Pinion	1
9.	C-3032	Plug	1
10.	C-4009	Collar	1
11.	C-4011	Handle	1
12.	C-4012-1	Leadscrew, (Metric)	1
	C-4012-2	Leadscrew, (Inches)	1
13.	C-4013-1	Nut Assembly, (Metric)	1
	C-4013-2	Nut Assembly, (Inches)	1
14.	C-4014-1	Nut Assembly, (Metric)	1
	C-4014-2	Nut Assembly, (Inches)	1
15.	C-4015	Gib	1
16.	C-4016	Guide Plate	1
17.	C-4017	Shield	1
18.	C-4018	Shield	1
19.	C-8033	Spacer	1
20.	C-4020	Strip, (Front)	1
21.	C-4047	Gib, (Front)	1
22.	C-4020-1	Strip, (Rear)	1
23.	C-4021-1	Gib, (Rear)	1
24.	C-4022	Clamp	1
25.	A-1134	Socket Headless Set Screw (M8 x 40L)	1
26.	C-4025	Square Head Bolt	1
27.	C-4026	Washer	3
29.	C-4030	Shaft	1
30.	C-4031	Gear	1
31.	C-4032	Gib Screw	2
32.	C-4033	Flat Wipper	2
33.	C-4034	Vee Wipper	2
34.	A-9503	Plug	1
35.	A-1243	Socket Head Cap Screw (M10 x 65L)	4
36.	A-1213	Socket Head Cap Screw (M8 x 20L)	4
37.	A-1104	Socket Headless Set Screw (M6 x 20L)	1
38.	A-1106	Socket Headless Set Screw (M8 x 8L)	1
39.	A-1605	Cross Recessed Head Screw (M5 x 10L)	8
40.	A-1215	Socket Head Cap Screw (M8 x 30L)	6
41.	A-1100	Socket Headless Set Screw (M6 x 6L)	1
42.	A-1214	Socket Head Cap Screw (M8 x 25L)	2
43.	A-2000	Bearing (#1528)	2
44.	A-2001	Bearing (#AS2035)	2
45.	A-1734	Nut	1
46.	A-1701	Nut	1
47.	A-7202	Key (4 x 4 x 15)	1
48.	A-9202	Ball	2
49.	A-8410	Spring	2
50.	A-1215	Socket Head Cap Screw (M8 x 30L)	2
51.	A-1311	Socket Headless Set Screw (M6 x 25L)	3
52.	A-1700	Nut (M6)	3
53.	A-1509	Round Head Cap Screw (M5 x 10L)	3
54.	A-4023	Pin	1

SADDLE : LUBRICATION

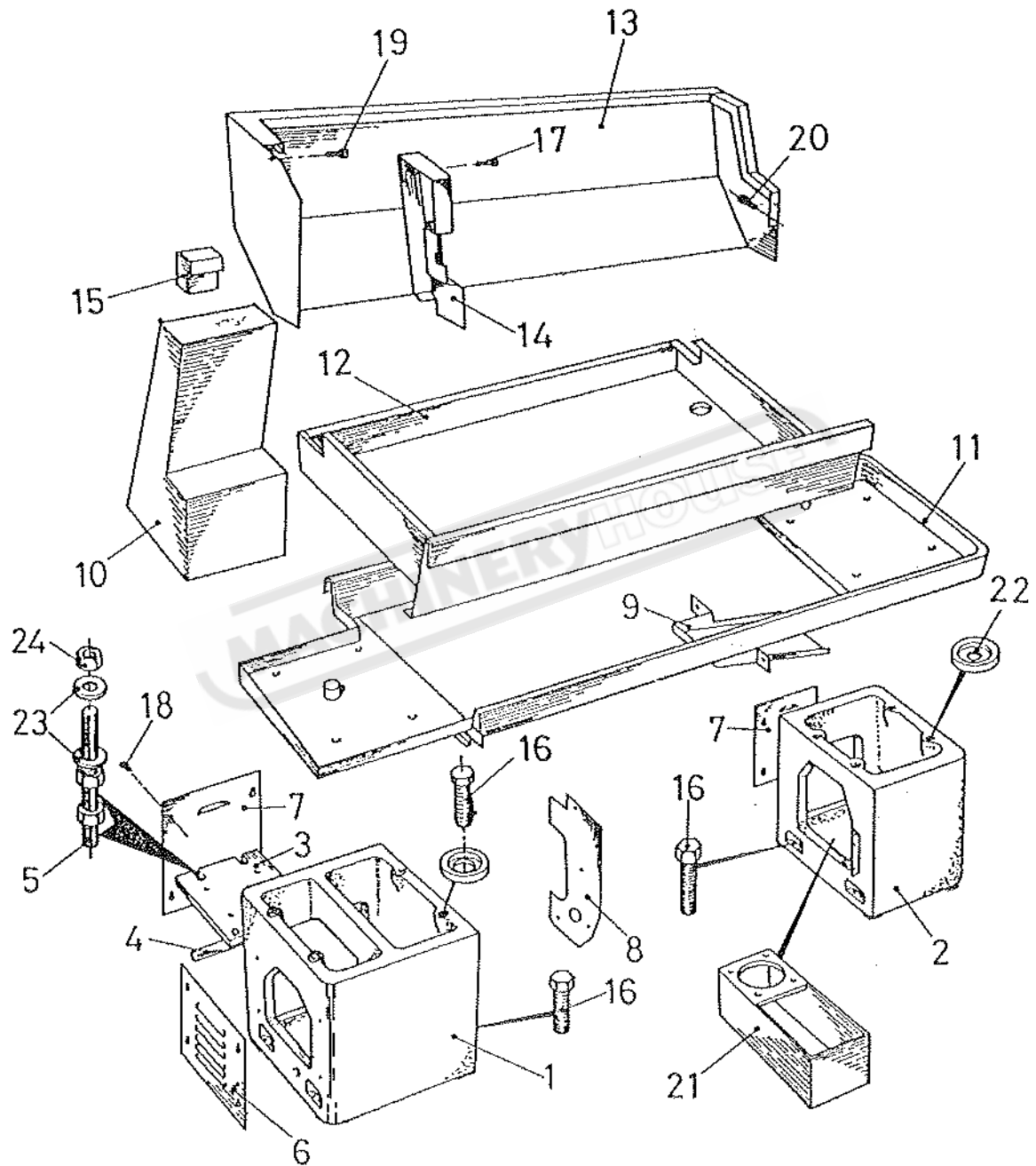
NO.	PART No.	Description	Quantity
1.	C-4036	Cover	1
2.	C-4037	Axle	1
3.	C-4038	Button	1
4.	C-4039	Pump	1
5.	C-4040	Plug	1
6.	A-9619	Joint	1
7.	A-6016	O-Ring	1
8.	NC-31	Name Plate	1
9.	A-9307	Outlet Tube	1
10.	A-9308	Inlet Valve	1
11.	A-9309	Intake Valve Assembly	1
12.	A-6000	O-Ring (P7)	1
13.	A-6002	O-Ring (P10A)	1
14.	A-1509	Cross Recessed Head Screw (M5 x 10)	1
15.	A-8412	Spring	1
16.	A-8413	Spring	1
17.	A-9206	Ball	1
18.	A-9317	Clip	1
19.	A-9311	Nut	2
20.	A-9312	By-pass	1
21.	A-9315	Sleeve	1
22.	A-9205	Ball	1
23.	A-9313	Tube	1
24.	A-9610	Jointer	1
25.	A-9635	Joint Tube	2
26.	A-9634	Nut	2
27.	A-1509	Round Head Cap Screw (M5 x 10)	6

SLIDES : ASSEMBLIES



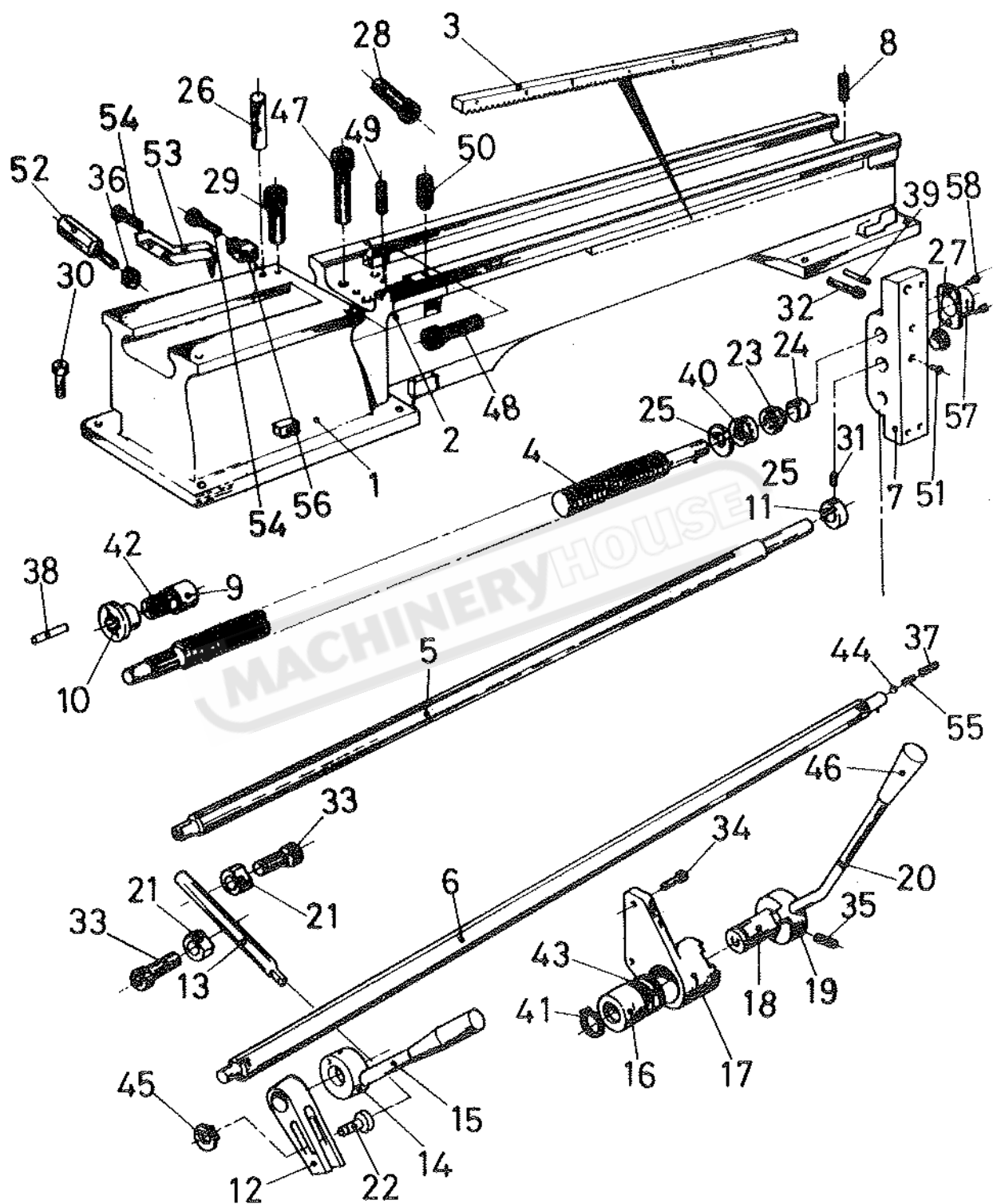
NO.	PART No.	Description	Quantity
1.	C-5001	Cross Slide Assembly	1
2.	C-5002	Gib	1
3.	C-4032	Gib Screw	2
4.	C-5004	Bolts	4
5.	C-5005	Pivot	1
6.	C-5006	Locking Pad	1
7.	C-5007	Swivel Slide	1
8.	C-5008	Gib	1
9.	C-5009-2	Slotted Top Slide	1
	C-5009	Top Slide	1
10.	C-5010-1	Long Handle	1
11.	C-5011	Plug	1
12.	C-5012-1	Short Handle	1
13.	C-5013-2	Handwheel Assembly	1
14.	C-5014-1	Index Ring (Metric)	1
	C-5014-2	Index Ring (Inch)	1
	C-5014-7	Index Ring (Metric/Inch)	1
	C-5014-8	Index Ring (Inch/Metric)	1
15.	C-5015	Keep Assembly	1
16.	C-5017-1	Leadscrew (Metric)	1
	C-5017-2	Leadscrew (Inch)	1
17.	C-5018-1	Nut (Metric)	1
	C-5018-2	Nut (Inch)	1
18.	C-5019	Pad	1
19.	C-5023-2	4 Way Toolpost	1
20.	C-5024-2	Square Head Screws	12
21.	C-5025	Washer	1
22.	C-5026-1	Handle	1
23.	C-5027-1	Handle Boss	1
24.	C-5028	Pin	1
25.	C-9062	Slotted Top Slide Stud	1
26.	C-9063	Slotted Top Slide Clamp Nut	1
27.	C-4032	Gib Screw	2
28.	A-8512	Spring	1
29.	NC-38	Marking Plate (Dual Dial only)	1
30.	A-1204	Socket Head Cap Screw (M6 x 20L)	3
31.	A-1205	Socket Head Cap Screw (M6 x 25L)	1
32.	A-1103	Socket Headless Set Screw (M6 x 15L)	2
33.	A-1708	Nuts	4
34.	A-8411	Spring	2
35.	A-9202	Ball	2
36.	A-9300	Oilers	6
37.	C-5029	Wipper	1
38.	A-1509	Cross Recessed Head Screw (M5 x 10L)	3
39.	A-9107	Handle	1
40.	A-1700	Nut (M6)	2
41.	C-5022	Top Slide Stud	1
42.	A-4516	Handle Set Screw	1
43.	A-2021	Bearing 51103	2

NO.	PART No.	Description	Quantity
1.	C-6001	Tailstock Casting	1
2.	C-6002	Tailstock Base	1
3.	C-6003	Handwheel	1
4.	C-6004	Barrel	1
5.	C-6005-1	Leadscrew(Metric)	1
	C-6005-2	Leadscrew(Inch)	1
6.	C-6006-1	Nut (Metric)	1
	C-6006-2	Nut (Inch)	1
7.	C-6007	Keeper	1
8.	C-6008-1	Index Ring (Metric)	1
	C-6008-2	Index Ring (Inch)	1
9.	C-6009	Washer	1
10.	C-6010	Plug	1
11.	C-3034	Handle	1
14.	A-1208	Socket Head Cap Screw (M6 x 40L)	2
15.	R-1030	Washers	2
16.	C-6015	Clamp Plate	1
17.	A-1437	Hexagon Head Bolt (M16 x 140L)	1
18.	A-5025	Oil Seal (58.72.9)	1
19.	A-1907	Washers	3
20.	C-6019	Clamp Plate	1
21.	C-6022	Pivot Block	1
22.	C-6023	Crank Shaft	1
23.	C-6024	Handle	1
24.	C-6025	Pins	2
25.	C-6029	Handle	1
26.	C-6030	Clamp Bush	1
27.	C-6031	Clamp Bush	1
28.	C-6032	Shaft	1
29.	A-2022	Thrust Bearing #51104	1
30.	A-9202	Ball	2
31.	A-8414	Spring	2
32.	A-9300	Oilers	2
33.	A-1204	Socket Head Cap Screw (M6 x 20L)	5
34.	A-1218	Socket Head Cap Screw (M8 x 55L)	2
35.	A-1720	Nut (M16)	1
36.	A-4005	Pin (φ5 x 20L)	1
37.	A-1130	Socket Headless Set Screw (M5 x 15L)	1
38.	A-1430	Hexagon Head Bolt (M16 x 90L)	1
39.	C-6033	Centre (#4 MT.)	1
40.	A-9107	Handles	1
41.	C-6026	Pins	2
42.	C-6035	Wippers (Vee)	2
43.	C-6036	Wippers (Flat)	2
44.	A-1605	Recessed Flat Head Screw (M5 x 10L)	8
45.	A-1132	Socket Headless Cap Screw (M10 x 40L)	1
46.	A-1702	Nut (M10)	1
47.	A-1105	Socket Headless Cap Screw (M6 x 30L)	1
48.	R-1030	Washer	1
49.	A-1203	Socket Head Cap Screw (M6x16L)	1

CABINET & PANELS

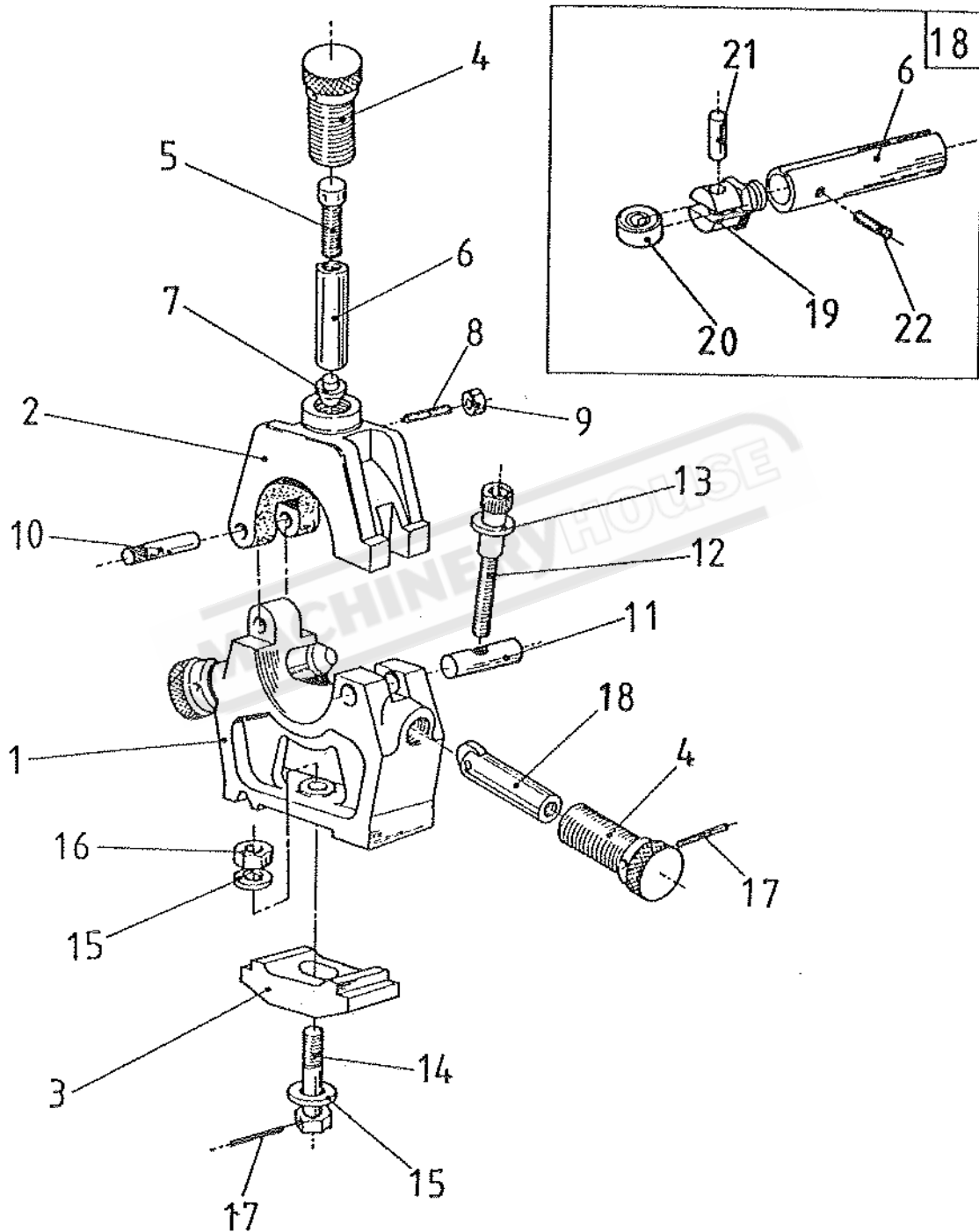
NO.	PART No.	Description	Quantity
1.	C-7001	Plinth, Head-End	1
2.	C-7002	Plinth, Tail-End	1
3.	C-7003	Platform	1
4.	C-7004	Adjusted Rod	1
5.	C-7005	Adjusted Screw	2
6.	T-7037	Motor Cover	1
7.	C-7008	Rear Cover	2
8.	C-7013	Gearbox Guard	1
9.	C-7014	Chute	1
10.	C-8107	Electrical Cabinet (CE Model)	1
	C-8107-1	Electrical Cabinet (VS Model)	1
	C-8107-2	Electrical Cabinet (CE Model W/Clutch)	1
	C-8025	Electrical Cabinet Box (Standard)	1
	C-8031	Electrical Cabinet Cover (Standard)	1
11.	C-7016	Tray	1
	C-7016-1	Tray (CE & VS Model)	1
12.	C-7018	Chip Tray	1
13.	C-7019	Splash Guard	1
	C-7019-1	Splash Guard (Extra Deepth)	1
14.	C-7020	Brake Guard	1
15.	C-8038	Meter Box (VS Model only)	1
16.	A-1428	Hexagon Head Bolt (M16 x 65L)	16
17.	A-1202	Socket Head Cap Screw (M6 x 12L)	3
18.	A-1512	Cross Recessed Head Screw (M6 x 10L)	12
19.	A-1256	Socket Head Cap Screw (M8 x 85L)	2
20.	A-1204	Socket Head Cap Screw (M6 x 20L)	2
21.	C-9029	Coolant Tank	1
22.	C-7024	Washer	8
23.	A-1905	Washer	4
24.	A-1703	Nut (M12)	6

BED & SHAFTS

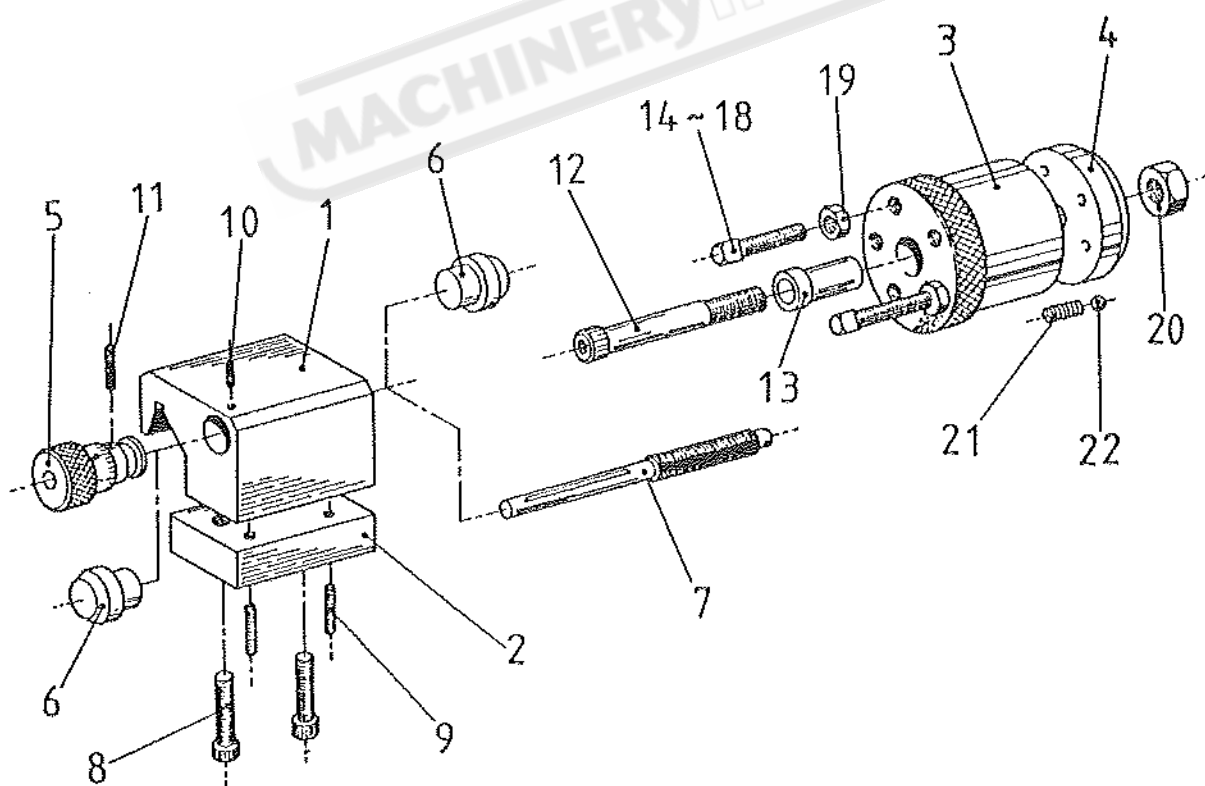
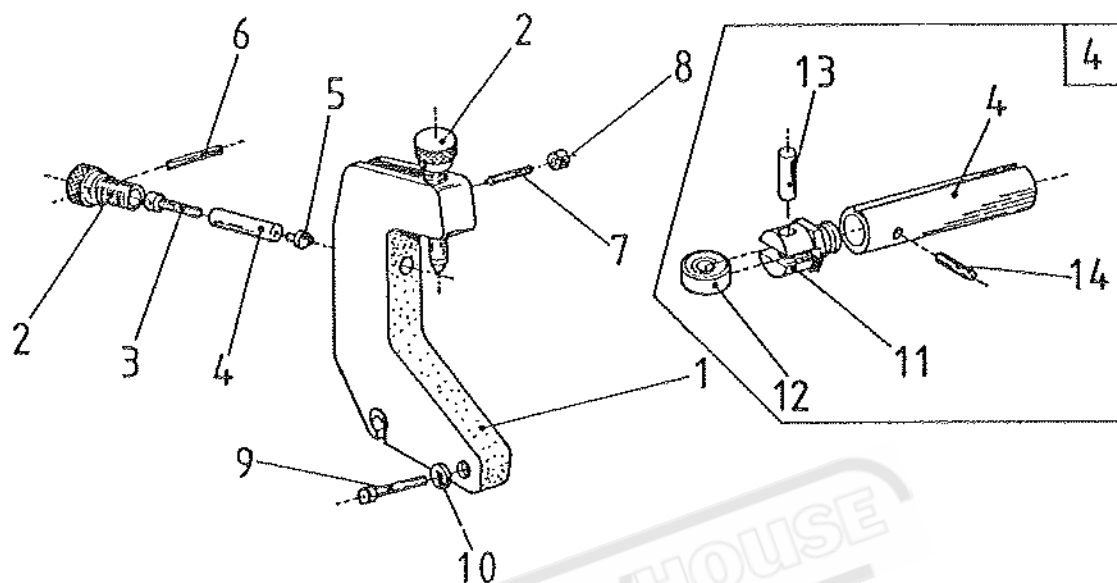


NO.	PART No.	Description	Quantity
1.	C-8001	Bed	1
2.	C-8001-2	Gap Piece	1
3.	C-8002	Rack Set	1
4.	C-8003	Leadscrew	1
5.	C-8004	Feed Shaft	1
6.	C-8005	Switch Rod	1
7.	C-8006	End Bracket	1
8.	C-8007	Stop Pin	1
9.	C-8009	Collar	1
10.	C-8010	Sleeve	1
11.	C-8011	Collar	1
12.	C-8012	Connector	1
13.	C-8013	Connecting Bar	1
14.	C-8017-1	Collar	1
	C-8017-2	Collar (Clutch Machine)	1
15.	A-1234	Round Head Drive Screw (5x10)	1
16.	C-8016	Sleeve	1
17.	C-8017	Bracket	1
18.	C-8018	Bushing	1
19.	C-8019	Lever Assembly	1
20.	C-8020	Lever	1
21.	T-7024	Tracer	2
22.	C-8022	Stud	1
23.	A-1258	Nut	1
24.	C-8029	Dome Nut	1
25.	C-8033	Collar	2
26.	T-7003	Pin	1
27.	C-2075	Plug	1
28.	A-1205	Socket Head Cap Screw (M6 x 25L)	10
29.	A-1241	Socket Head Cap Screw (M12 x 35L)	4
30.	A-1428	Hexagon Head Bolt (M16 x 65L)	8
31.	A-1101	Socket Headless Set Screw (M6 x 10L)	1
32.	A-1258	Socket Head Cap Screw (M8 x 35L)	2
33.	A-1204	Socket Head Cap Screw (M6 x 20L)	2
34.	A-1203	Socket Head Cap Screw (M6 x 15L)	2
35.	A-1104	Socket Headless Set Screw (M6 x 20L)	2
36.	A-1701	Nut	2
37.	A-1112	Socket Headless Set Screw (M12 x 12L)	1
38.	C-2048-1	Pin	1
39.	A-4015	Pin	2
40.	A-2022	Bearing (#51104)	2
41.	A-3313	Circlip (S32)	1
42.	A-8415	Spring	1
43.	A-8416	Spring	1
44.	A-9205	Ball	1
45.	A-3102	Circlip (E8)	1
46.	A-9108	Handle	1
47.	A-1257	Socket Headless Cap Screw (M12 x 55L)	2
48.	A-1217	Socket Head Cap Screw (M8 x 45L)	2
49.	A-4205	Pin	2
50.	A-1100	Socket Headless Set Screw (M6 x 6L)	2
51.	A-9300	Oiler	2
52.	T-7034	Hexagon Bolt	2
53.	T-8024	Flow Guard	1
54.	A-1202	Socket Head Cap Screw (M6 x 12L)	4
55.	A-8401	Spring	1
56.	C-8027	Switch Plate	1
57.	C-8008	Cover	1
58.	A-1231	Socket Head Cap Screw (M6 x 10)	2

STEADY REST-HEAVY DUTY TYPE

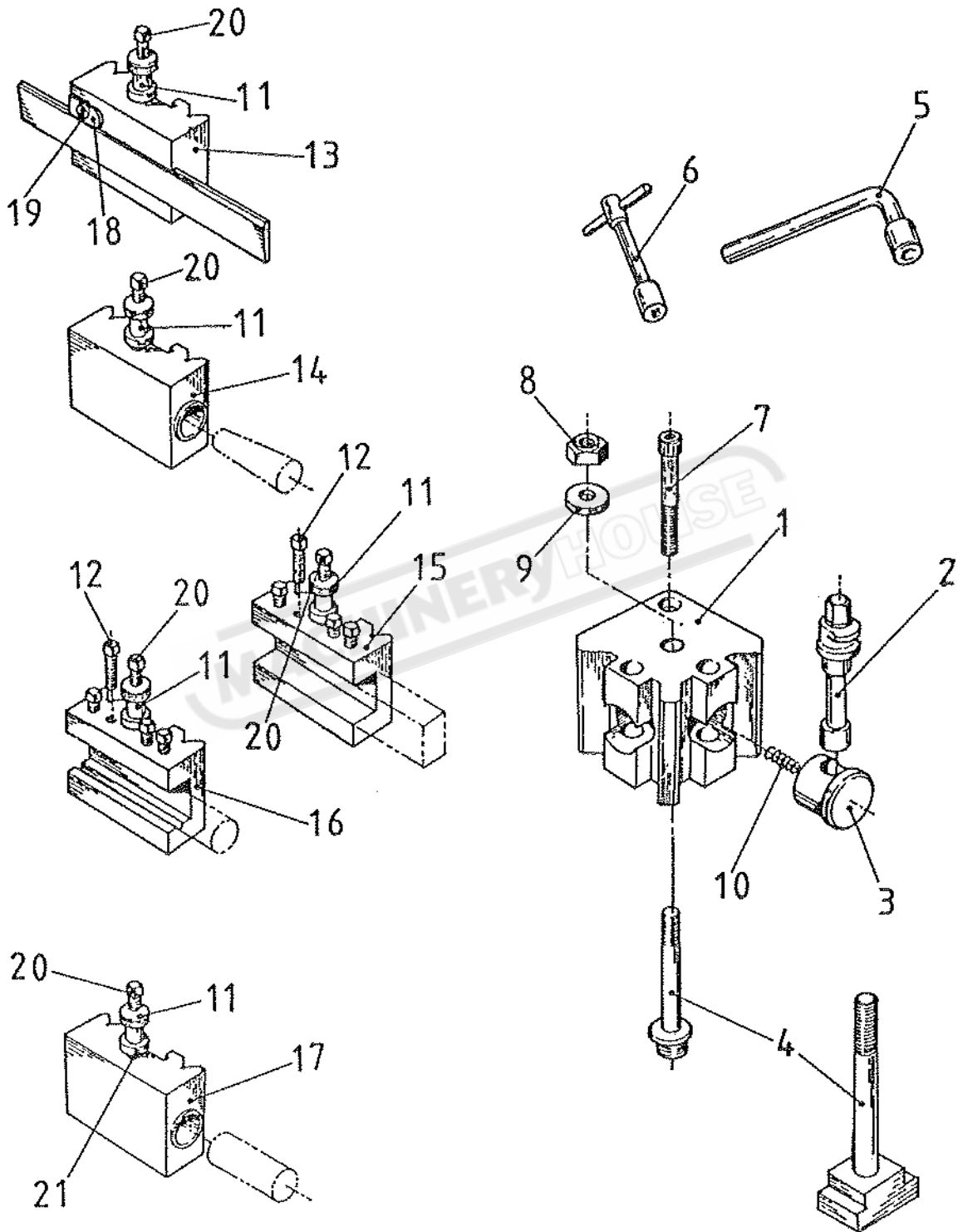


NO.	PART No.	Description	Quantity
1.	C-9042	Bottom Body	1
2.	C-9041	Top Body	1
3.	C-6015	Clamp Plate	1
4.	C-9048	Collar	3
5.	C-9047	Adjusting Screw	3
6.	C-9046	Finger	3
7.	C-9045	Finger Pad	3
8.	A-1136	Socket Headless Set Screw (M8 x 25L)	3
9.	A-1701	Nut (M8)	3
10.	C-9040	Pivot	1
11.	C-9044	Pivot	1
12.	A-1228	Socket Head Cap Screw	1
13.	A-1803	Washer	1
14.	A-1438	Socket Head Cap Screw (M16 x 100L)	1
15.	A-1907	Washer	2
16.	A-1720	Nut (M16)	1
17.	A-4009	Pin	4
18.	C-9046A	Roller Finger Assembly (Optional)	3
19.	C-9046-1	Roller Seat (Optional)	3
20.	A-2039	Bearing (6000ZZ) (Optional)	3
21.	C-9046-2	Pin (Optional)	3
22.	A-1100	Socket Headless Set Screw (M6 x 6L) (Optional)	3

FOLLOW REST & BEDSTOPS

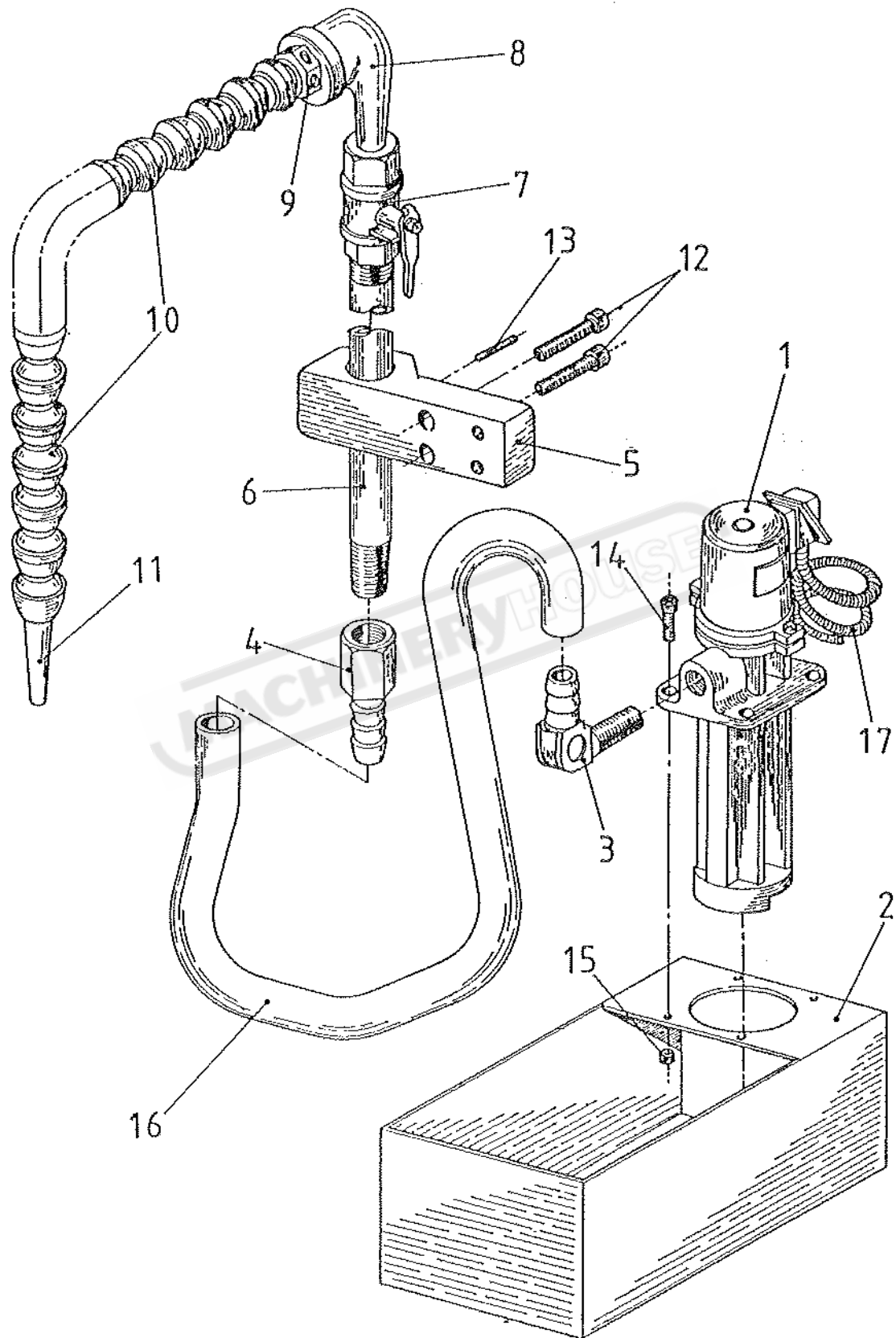
NO.	PART No.	Description	Quantity
FOLLOW REST			
1.	C-9049	Body	1
2.	C-9048	Collar	2
3.	C-9047	Adjusting Screw	2
4.	C-9046	Finger	2
5.	C-9045	Finger Pad	2
6.	A-4009	Pin	2
7.	A-1136	Socket Headless Set Screw (M8 x 25L)	2
8.	A-1701	Nut (M8)	2
9.	A-1217	Socket Head Cap Screw (M8 x 45L)	2
10.	A-1802	Washer	2
11.	C-9046-1	Roller Seat (Optional)	2
12.	A-2039	Bearing (6000ZZ) (Optional)	2
13.	C-9046-2	Pin (Optional)	2
14.	A-1100	Socket Headless Set Screw (M6 x 6L) (Opt.)	2
BEDSTOPS			
1.	C-9001	Body	1
2.	C-9002	Clamp	1
3.	C-9053	Turret	1
4.	C-9054	Backplate	1
5.	C-9003	Micrometer Dial	1
6.	C-9004	Pad (Single Type)	2
7.	C-9005	Spindle	1
8.	A-1213	Socket Head Cap Screw (M8 x 20L)	2
9.	A-1103	Socket Headless Set Screw (M6 x 16L)	2
10.	A-1139	Socket Headless Set Screw (M6 x 8L)	1
11.	A-4023	Pin	1
12.	A-1259	Spindle Screw	1
13.	C-9055	Bush	1
14.	C-9056-1	Stop Screw (67L)	1
15.	C-9056-2	Stop Screw (83L)	1
16.	C-9056-3	Stop Screw (99L)	1
17.	C-9056-4	Stop Screw (115L)	1
18.	C-9056-5	Stop Screw (134L)	1
19.	A-1707	Nut	5
20.	A-1708	Nut	1
21.	A-8519	Spring	1
22.	A-9202	Ball	1

QUICK CHANGE TOOLPOST



NO.	PART No.	Description	Quantity
1.	C-9100	Q.C.T. Body	1
2.	C-9102	Toolholder Cams	2
3.	C-9103	Toolholder Pads	2
4.	C-5021-1	Toolpost Bolt Assembly	1
	C-9062	Slotted Toolpost Bolt Assembly	1
5.	A-8528	Toolscrew Wrench	1
6.	A-8529	Cam Clamp Wrench	1
7.	A-1251	Locating Screw (M10 x 75L)	1
8.	A-1720	Nut	1
9.	R-3011	Washer	1
10.	A-8424	Spring	2
11.	C-9106	Adjusting Stop (On Each Toolholder)	1
12.	C-9107	Tool Clamp Screw (On No. 15/16 Toolholder)	4
13.	C-9108	Part-off Toolholder	1
14.	C-9109	M.T.3 Taper Toolholder	1
15.	C-9110	Standard Toolholder	1
16.	C-9111	Boring (Vee) Toolholder	1
17.	C-9112	Plain Bore Toolholder	1
18.	C-9113	Blade Clamp	1
19.	A-1611	Socket Flat Head Screw (M6 x 20L)	1
20.	C-9107	Height Adj. Screw (On Each Toolholder)	1
21.	A-1138	Socket Headless Set Screw (M10 x 35L) on each toolholder	1

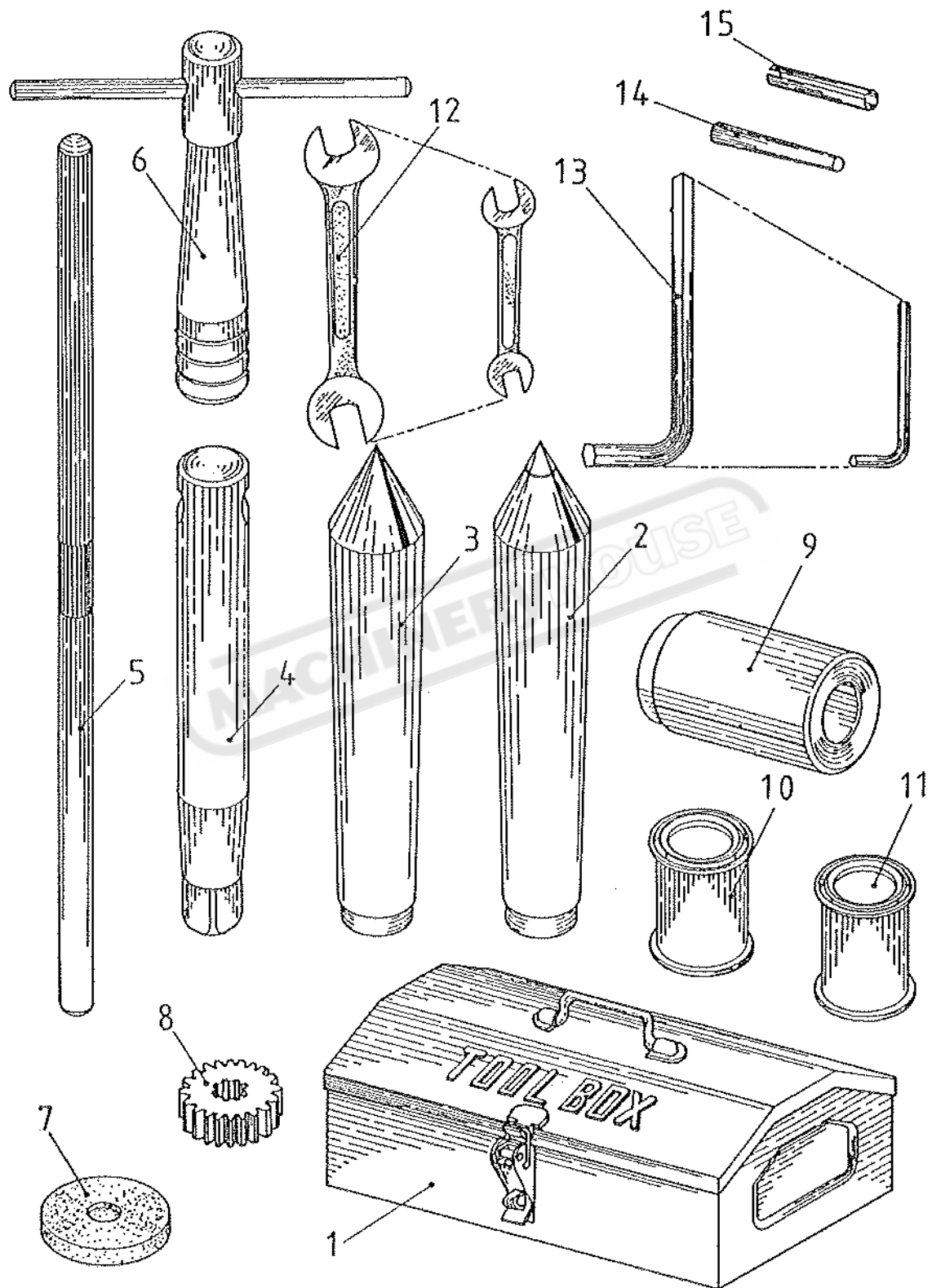
COOLANT EQUIPMENT



NO.	PART No.	Description	Quantity
1.	A-4102	Electric Pump	1
2.	C-9029	Coolant Tank	1
3.	A-4101	Outlet	1
4.	A-4105	Hose Sleeve	1
5.	C-9030	Pipe Bracket	1
6.	A-4106	Pipe	1
7.	A-4107	Valve	1
8.	A-4108	Elbow	1
9.	A-4116	Socket	1
10.	A-4117	Join Pipe	1
11.	A-4118	Nozzle	1
12.	A-1204	Socket Head Cap Screw (M6 x 20L)	2
13.	A-1202	Socket Head Cap Screw (M6 x 12L)	1
14.	A-1432	Socket Head Cap Screw (M6 x 25L)	4
15.	A-1700	Nut (M6)	4
16.	A-4104	Hose	1
17.	A-4103	Electric Tubing	1

MACHINERYHOUSE

TOOLS & EQUIPT



NO.	PART No.	Description	Quantity
1.	A-4515	Tool Box	1
2.	A-4509	Tailstock Center (M.T. #4)	1
3.	A-4510	Headstock Center (M.T. #4)	1
4.	A-4511	Camlock Key	1
5.	A-4512	Key Handle	1
6.	A-4506	Toolscrew Wrench	1
7.	T-9086	Levelling Block	8
8.	C-1146	Change Gear (22T) Metric	1
9.	C-1150	Center Sleeve (M.T. #6 x M.T. #4)	1
10.	A-4513	Touch Paint (Light Grey)	1
11.	A-4514	Touch Paint (Dark Blue)	1
12.	A-4507-1	Spanner (22 x 24)	1
	A-4507-2	Spanner (17 x 19)	1
	A-4507-3	Spanner (12 x 14)	1
13.	A-4508-1	Allen Key (3mm)	1
	A-4508-2	Allen Key (4mm)	1
	A-4508-3	Allen Key (5mm)	1
	A-4508-4	Allen Key (6mm)	1
	A-4508-5	Allen Key (8mm)	1
	A-4508-6	Allen Key (10mm)	1
14.	A-4017	Taper Pin	6
15.	A-4004	Shear Pin ($\phi 5$ x 10)	2
	A-4013	Shear Pin ($\phi 6$ x 30)	2