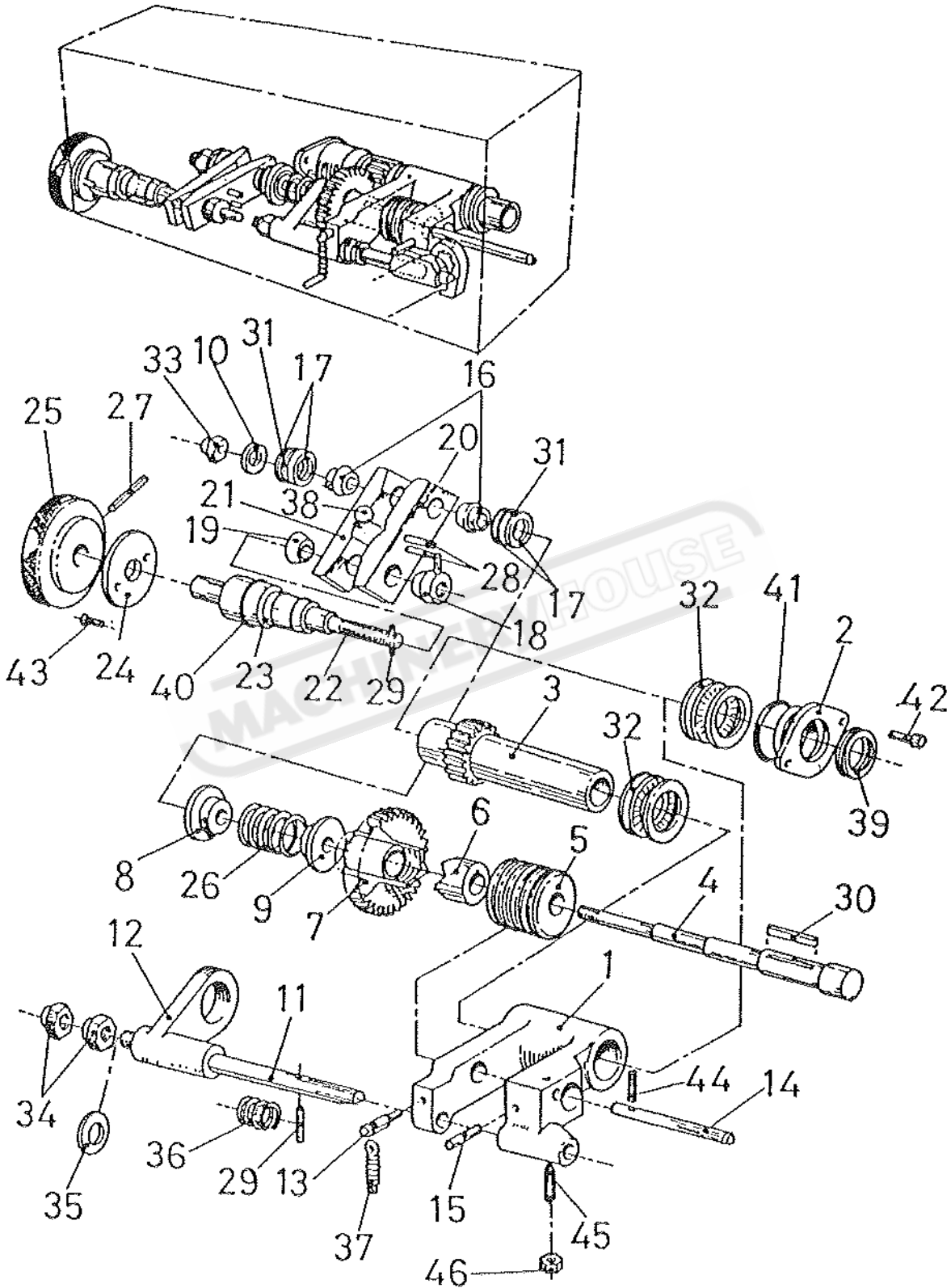


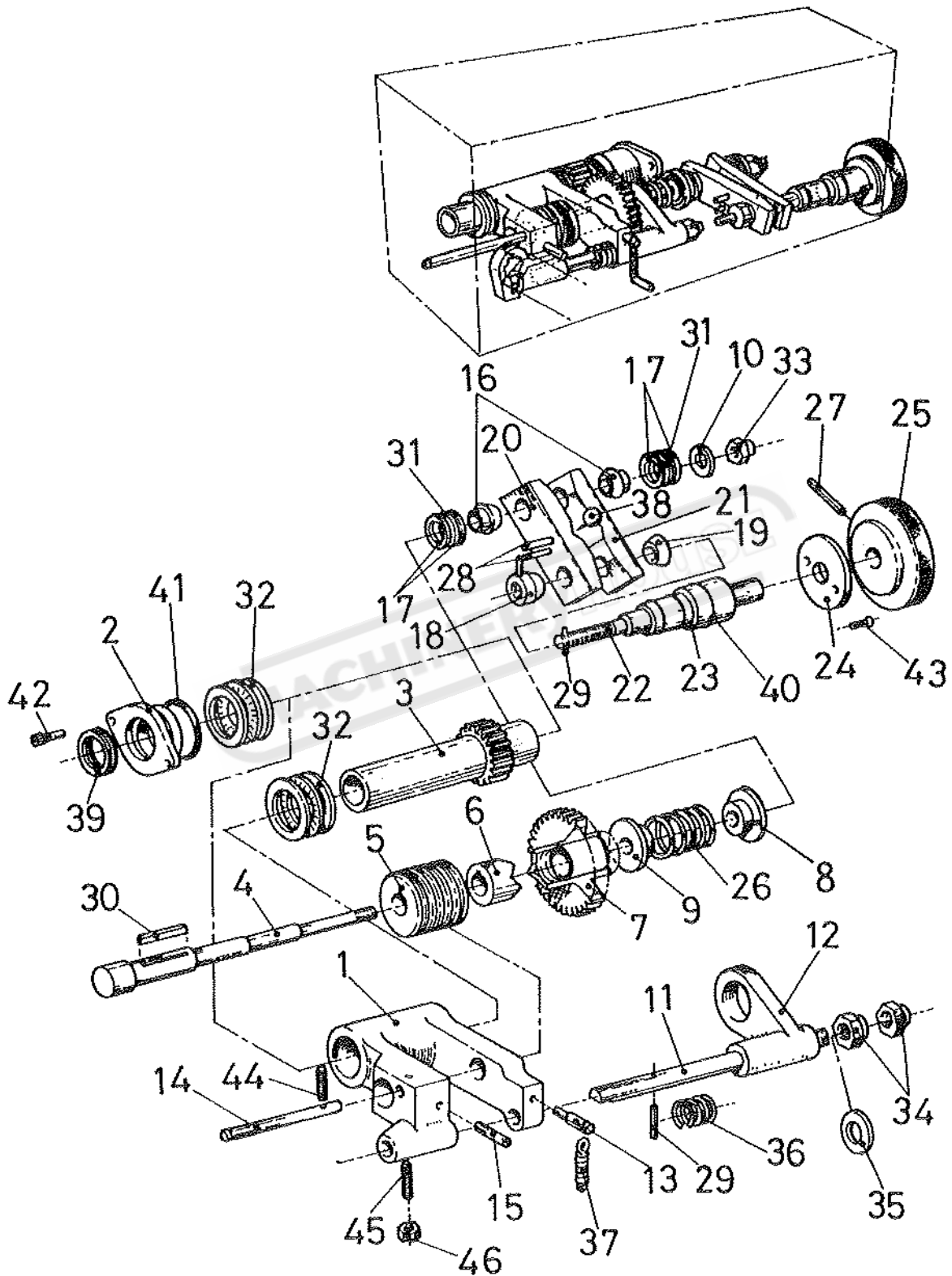
NO.	PART No.	Description	Quantity
1.	C-3021	Rack Pinion (B)	1
2.	C-3022	Gear (56T)	1
3.	C-3023	Shaft (C.E.)	2
4.	C-3024	Washer	2
5.	C-3025	Gear (15T/33T)	1
6.	C-3026	Collar	2
7.	C-3028	Gear (24T)	1
8.	C-3029	Shaft (A)	1
9.	C-3030	Handwheel	1
10.	C-3093	Dial (Metric)	1
11.	C-3032	Plug	1
12.	C-3034	Handle	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

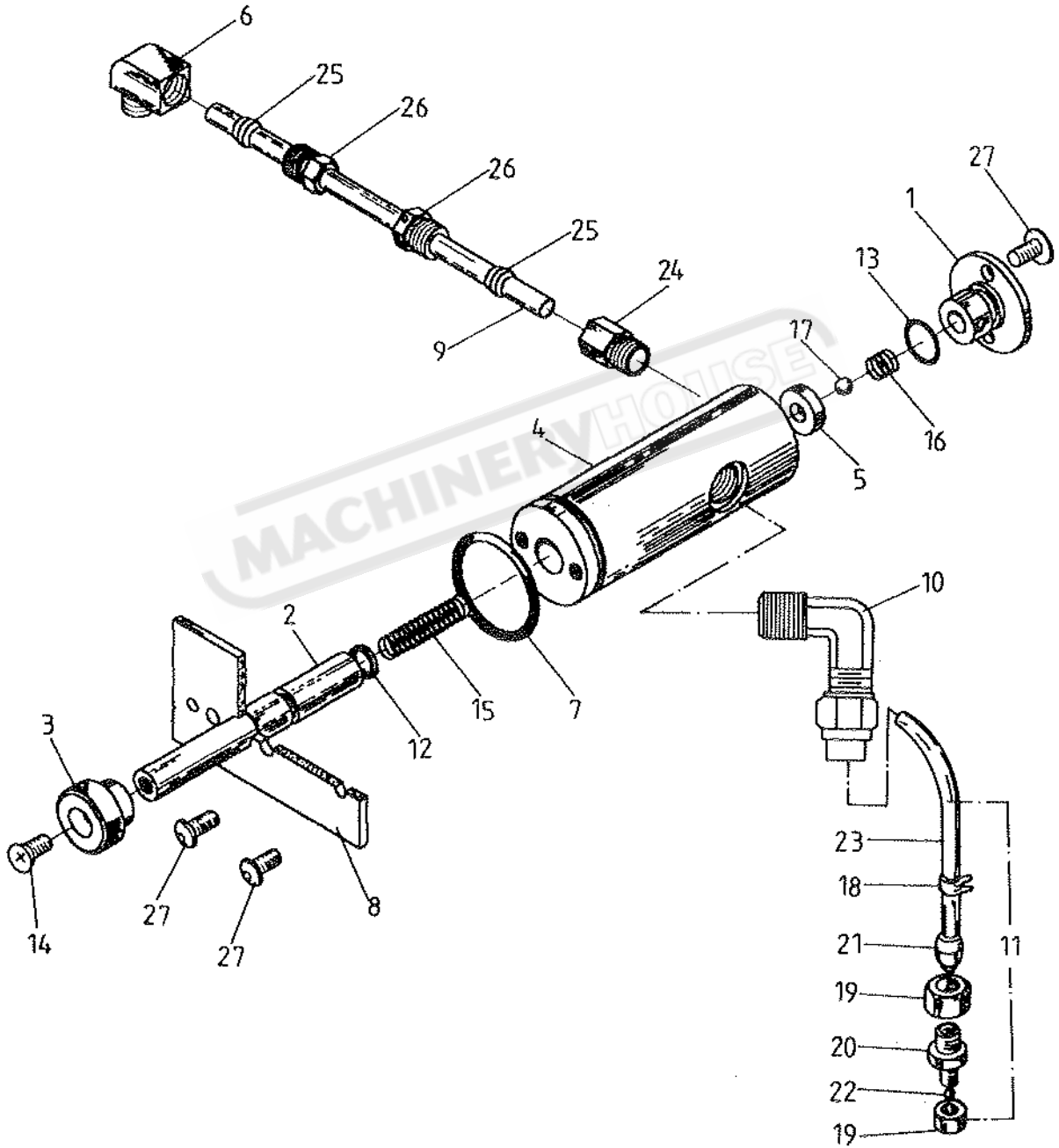
APRON : WORMBOX. RIGHT-HAND



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

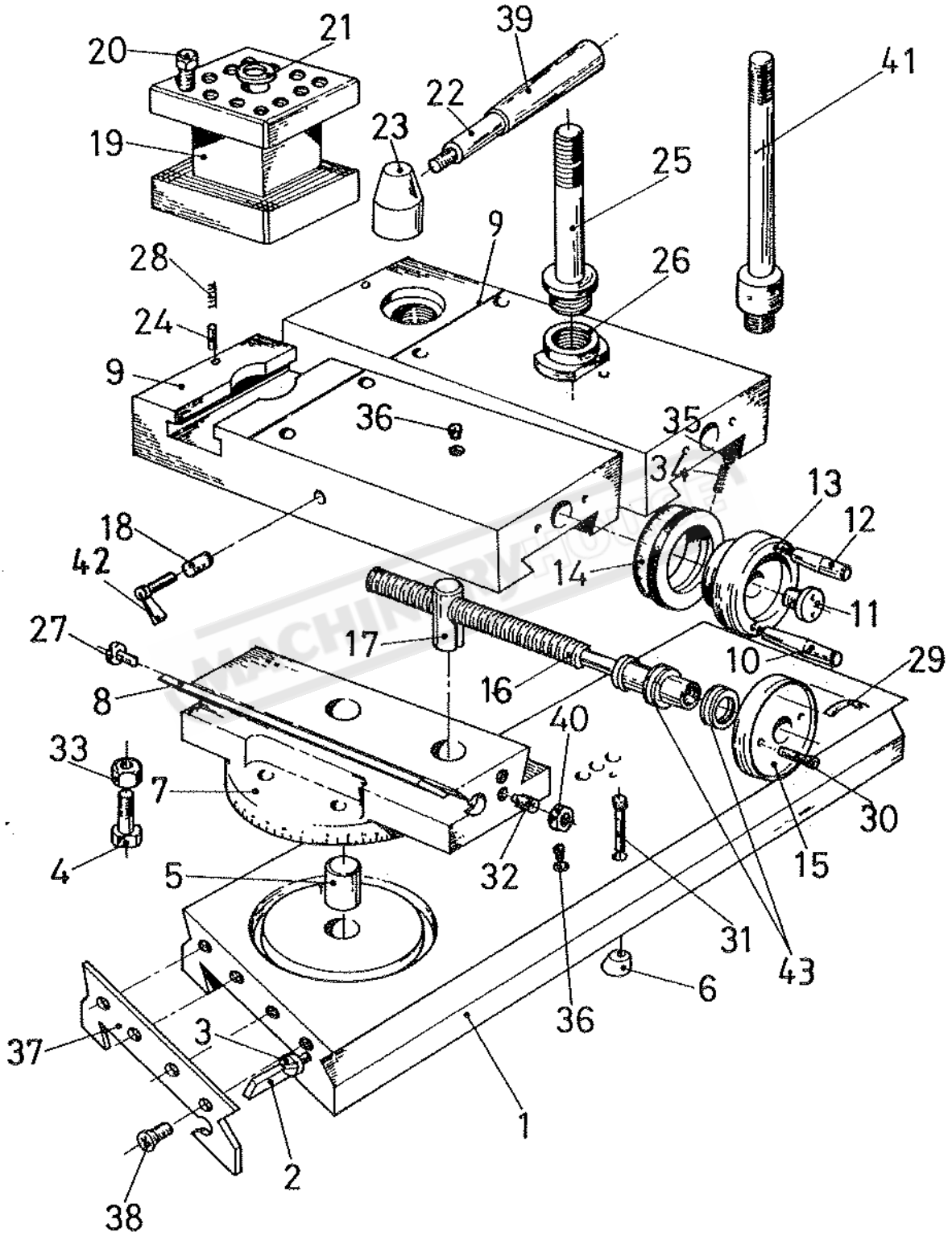
<u>NO.</u>	<u>PART No.</u>	<u>Description</u>	<u>Quantity</u>
1.	C-4001-1	Saddle Casting, R.H.	1
2.	C-4001-2	Saddle Casting, L.H.	1
3.	C-4002	Keep Assembly	1
4.	C-4003	Collar	1
5.	C-4004	Bracket	1
6.	C-4005-2	Handwheel	1
7.	C-4006-1	Index Ring, (Metric)	1
	C-4006-2	Index Ring, (Inches)	1
	C-4006-3	Index 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



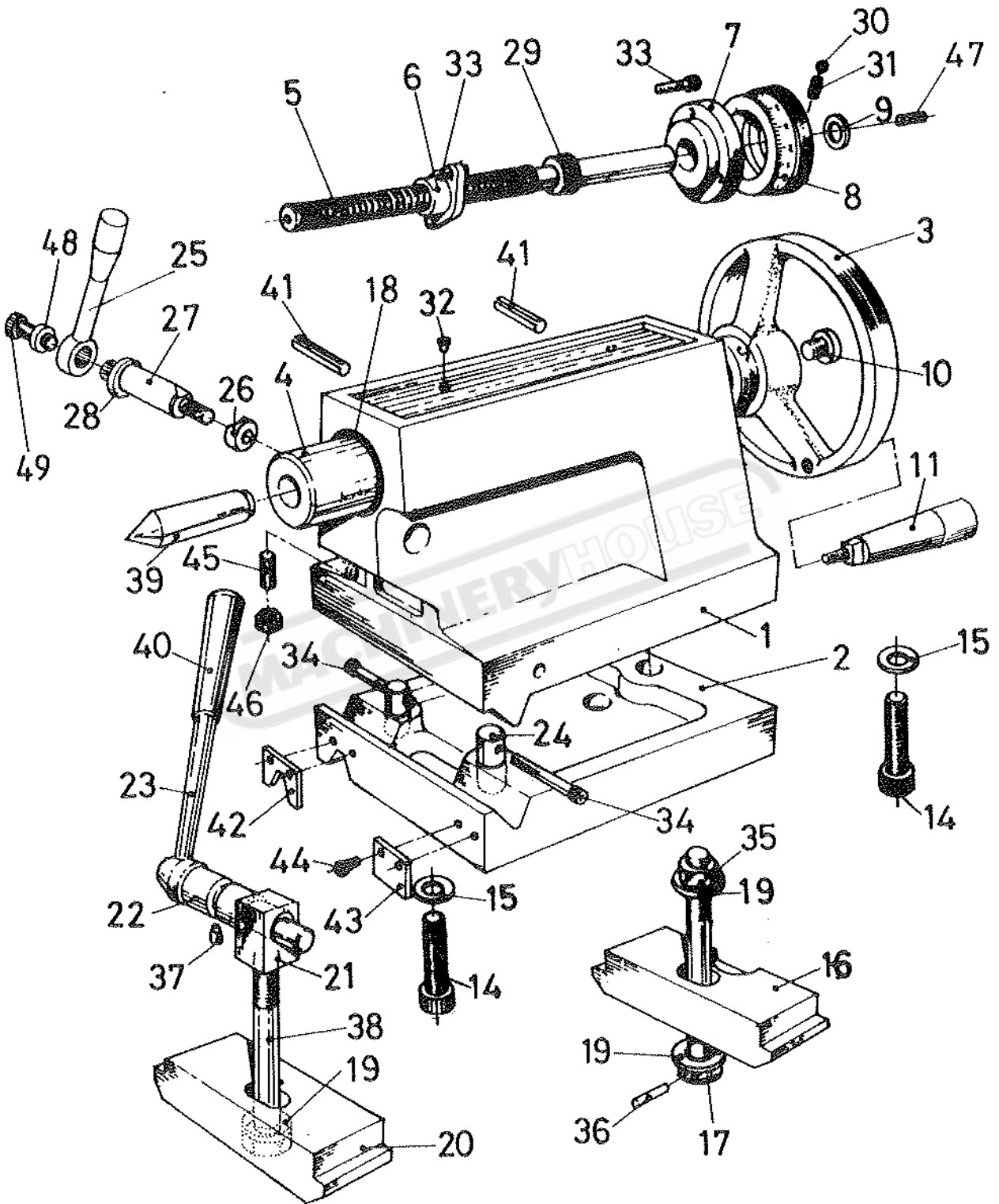
NO.	PART No.	Description	Quantity
1.	C-4036	Cover	1
2.	C-4037	Axle	1
3.	C-4038	Button	1
4.	C-4039	Pump	1
5.	C-4040	Plug	1
6.	A-9619	Joint	1
7.	A-6016	O-Ring	1
8.	NC-31	Name Plate	1
9.	A-9307	Outlet Tube	1
10.	A-9308	Inlet Valve	1
11.	A-9309	Intake Valve Assembly	1
12.	A-6000	O-Ring (P7)	1
13.	A-6002	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



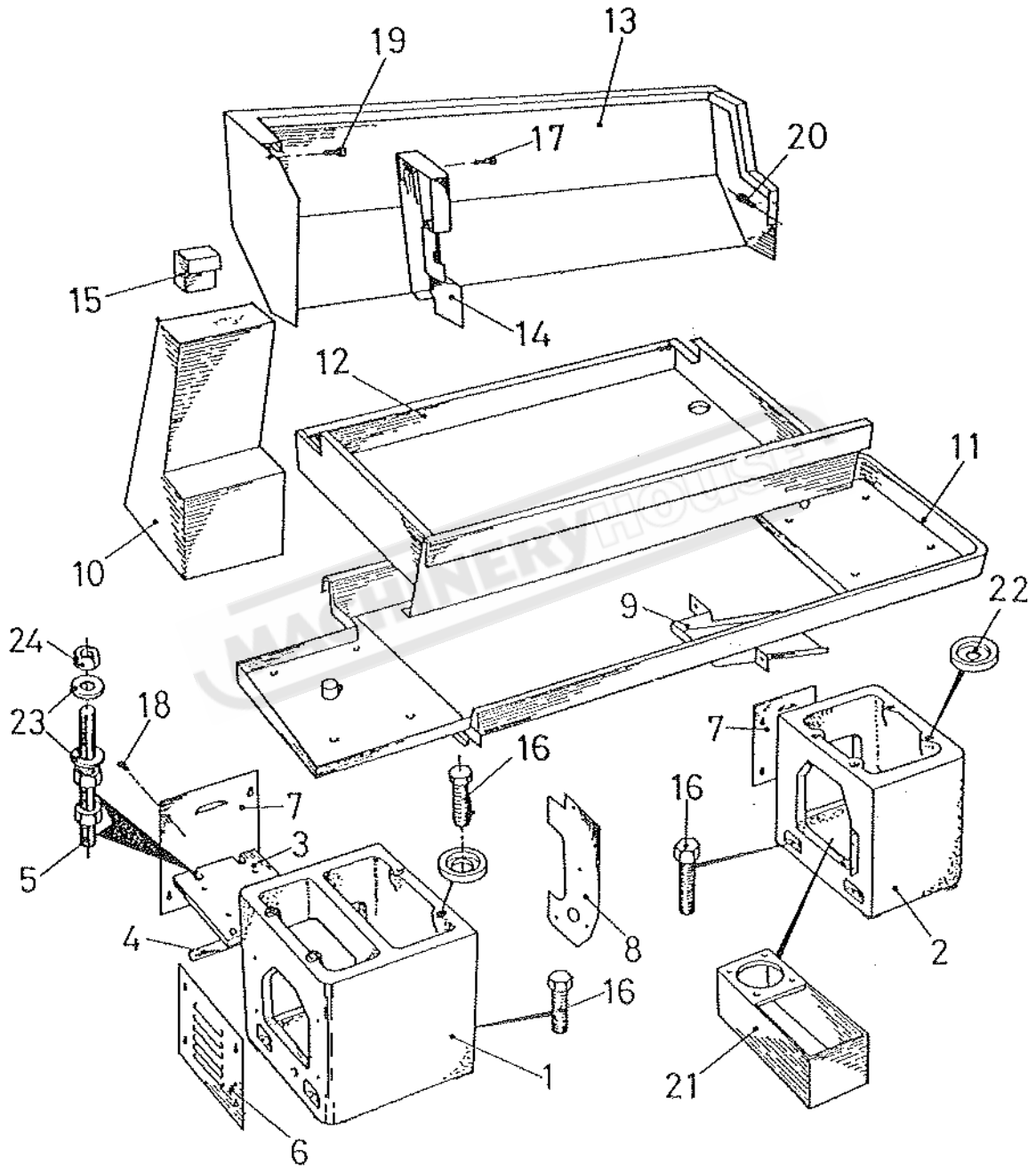
NO.	PART No.	Description	Quantity
1.	C-5001	Cross Slide Assembly	1
2.	C-5002	Gib	1
3.	C-4032	Gib Screw	2
4.	C-5004	Bolts	4
5.	C-5005	Pivot	1
6.	C-5006	Locking Pad	1
7.	C-5007	Swivel Slide	1
8.	C-5008	Gib	1
9.	C-5009-2	Slotted Top Slide	1
	C-5009	Top Slide	1
10.	C-5010-1	Long Handle	1
11.	C-5011	Plug	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

TAILSTOCK



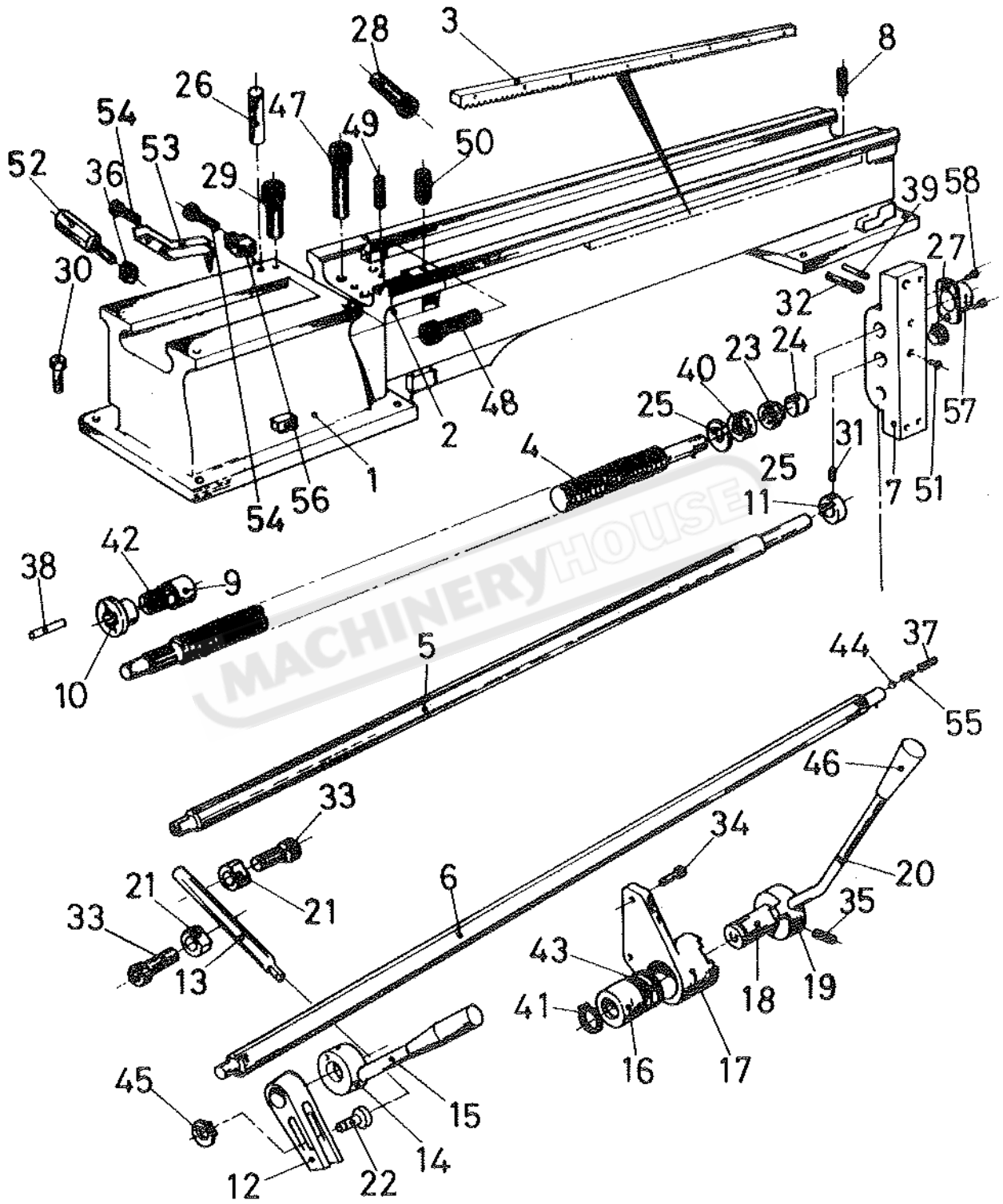
NO.	PART No.	Description	Quantity
1.	C-6001	Tailstock Casting	1
2.	C-6002	Tailstock Base	1
3.	C-6003	Handwheel	1
4.	C-6004	Barrel	1
5.	C-6005-1	Leadscrew(Metric)	1
	C-6005-2	Leadscrew(Inch)	1
6.	C-6006-1	Nut (Metric)	1
	C-6006-2	Nut (Inch)	1
7.	C-6007	Keeper	1
8.	C-6008-1	Index Ring (Metric)	1
	C-6008-2	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 (ϕ 5 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



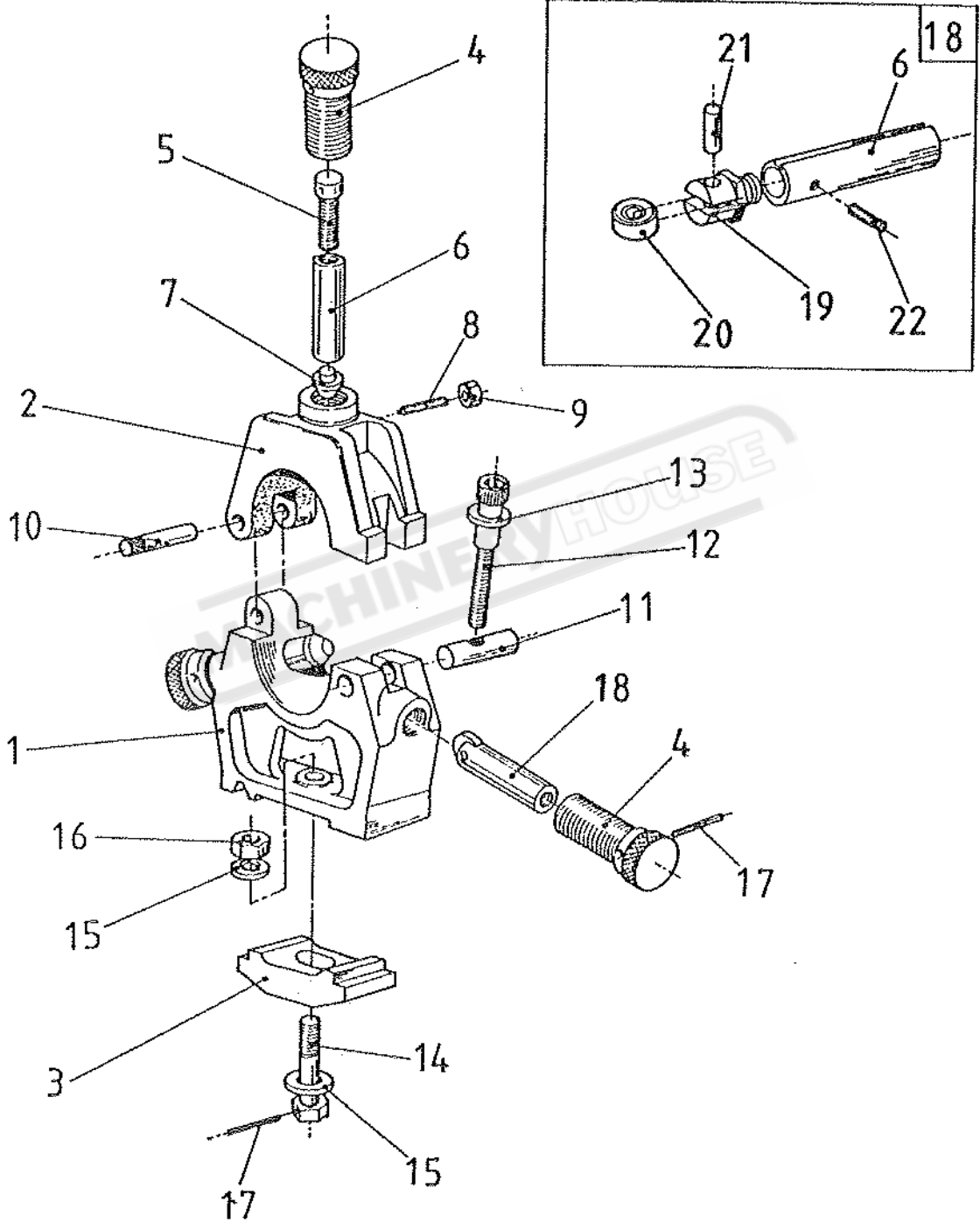
NO.	PART No.	Description	Quantity
1.	C-7001	Plinth, Head-End	1
2.	C-7002	Plinth, Tail-End	1
3.	C-7003	Platform	1
4.	C-7004	Adjusted Rod	1
5.	C-7005	Adjusted Screw	2
6.	T-7037	Motor Cover	1
7.	C-7008	Rear Cover	2
8.	C-7013	Gearbox Guard	1
9.	C-7014	Chute	1
10.	C-8107	Electrical Cabinet (CE Model)	1
	C-8107-1	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 Depth)	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



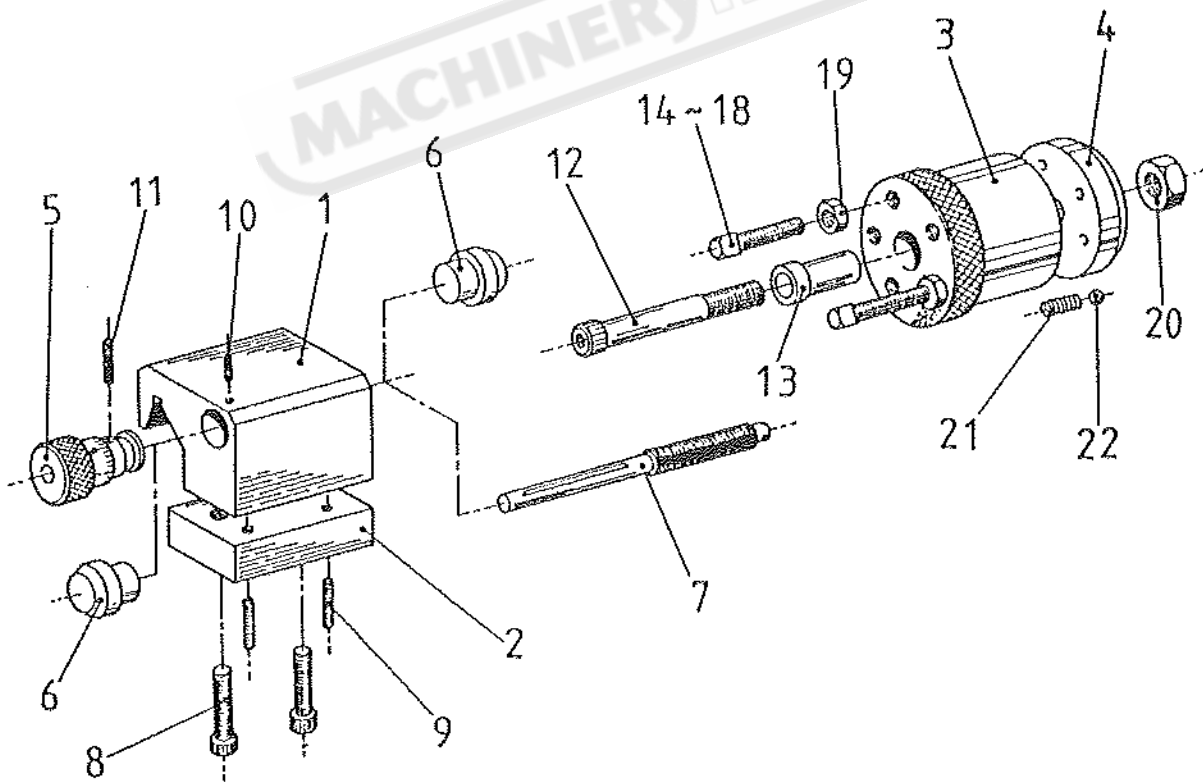
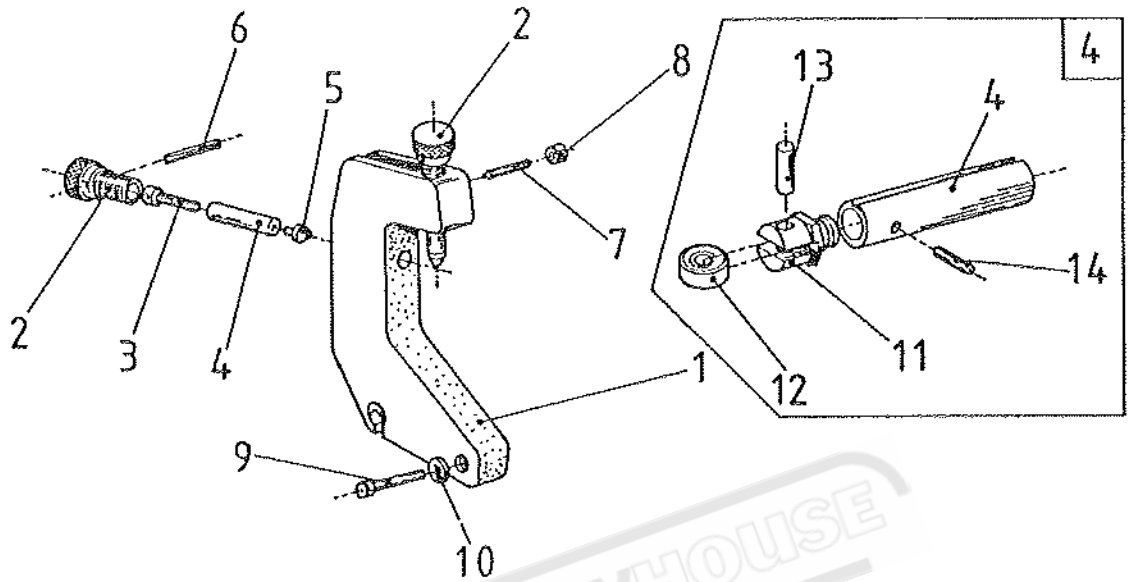
<u>NO.</u>	<u>PART No.</u>	<u>Description</u>	<u>Quantity</u>
1.	C-8001	Bed	1
2.	C-8001-2	Gap Piece	1
3.	C-8002	Rack Set	1
4.	C-8003	Leadscrew	1
5.	C-8004	Feed Shaft	1
6.	C-8005	Switch Rod	1
7.	C-8006	End Bracket	1
8.	C-8007	Stop Pin	1
9.	C-8009	Collar	1
10.	C-8010	Sleeve	1
11.	C-8011	Collar	1
12.	C-8012	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



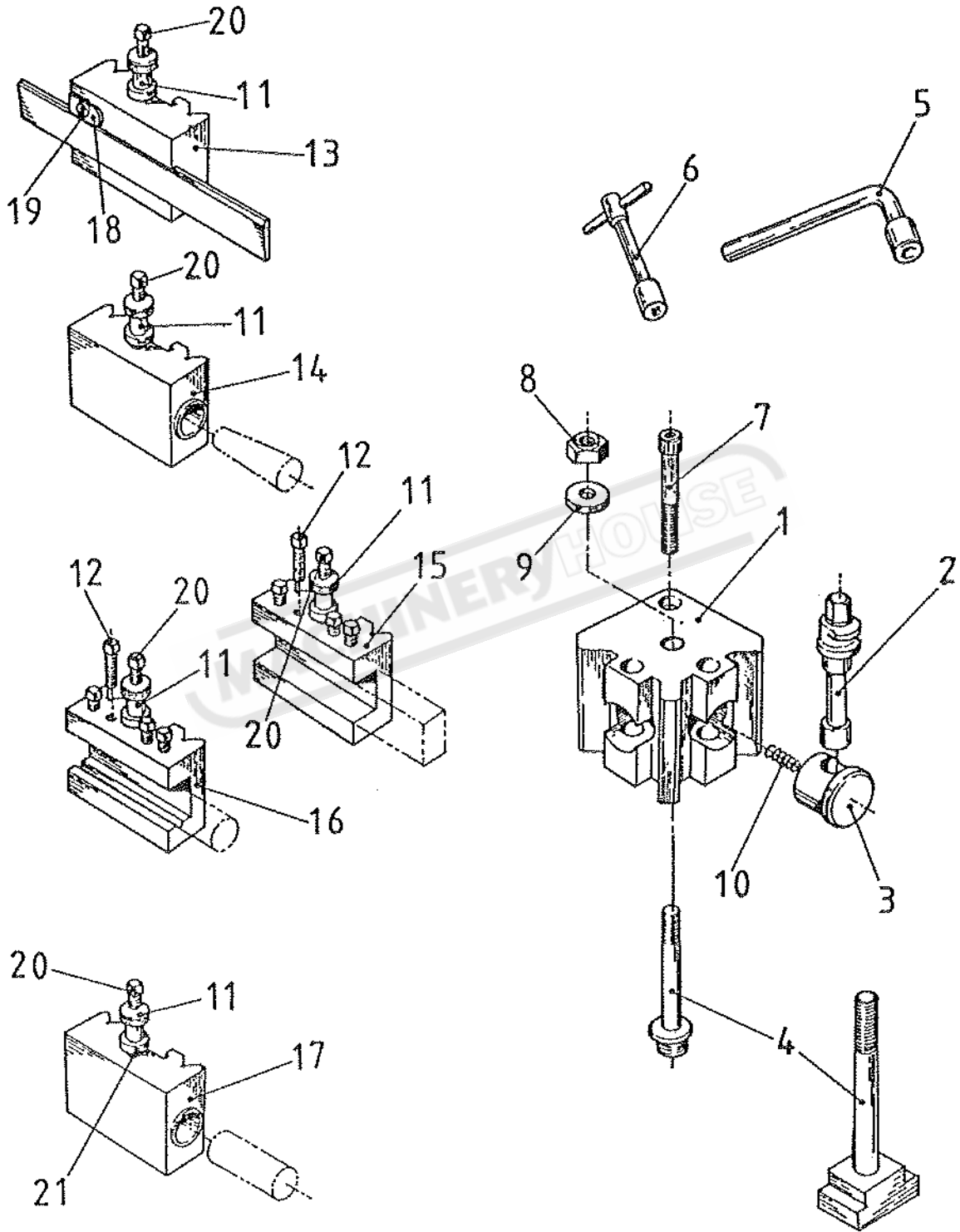
NO.	PART No.	Description	Quantity
1.	C-9042	Bottom Body	1
2.	C-9041	Top Body	1
3.	C-6015	Clamp Plate	1
4.	C-9048	Collar	3
5.	C-9047	Adjusting Screw	3
6.	C-9046	Finger	3
7.	C-9045	Finger Pad	3
8.	A-1136	Socket Headless Set Screw (M8 x 25L)	3
9.	A-1701	Nut (M8)	3
10.	C-9040	Pivot	1
11.	C-9044	Pivot	1
12.	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



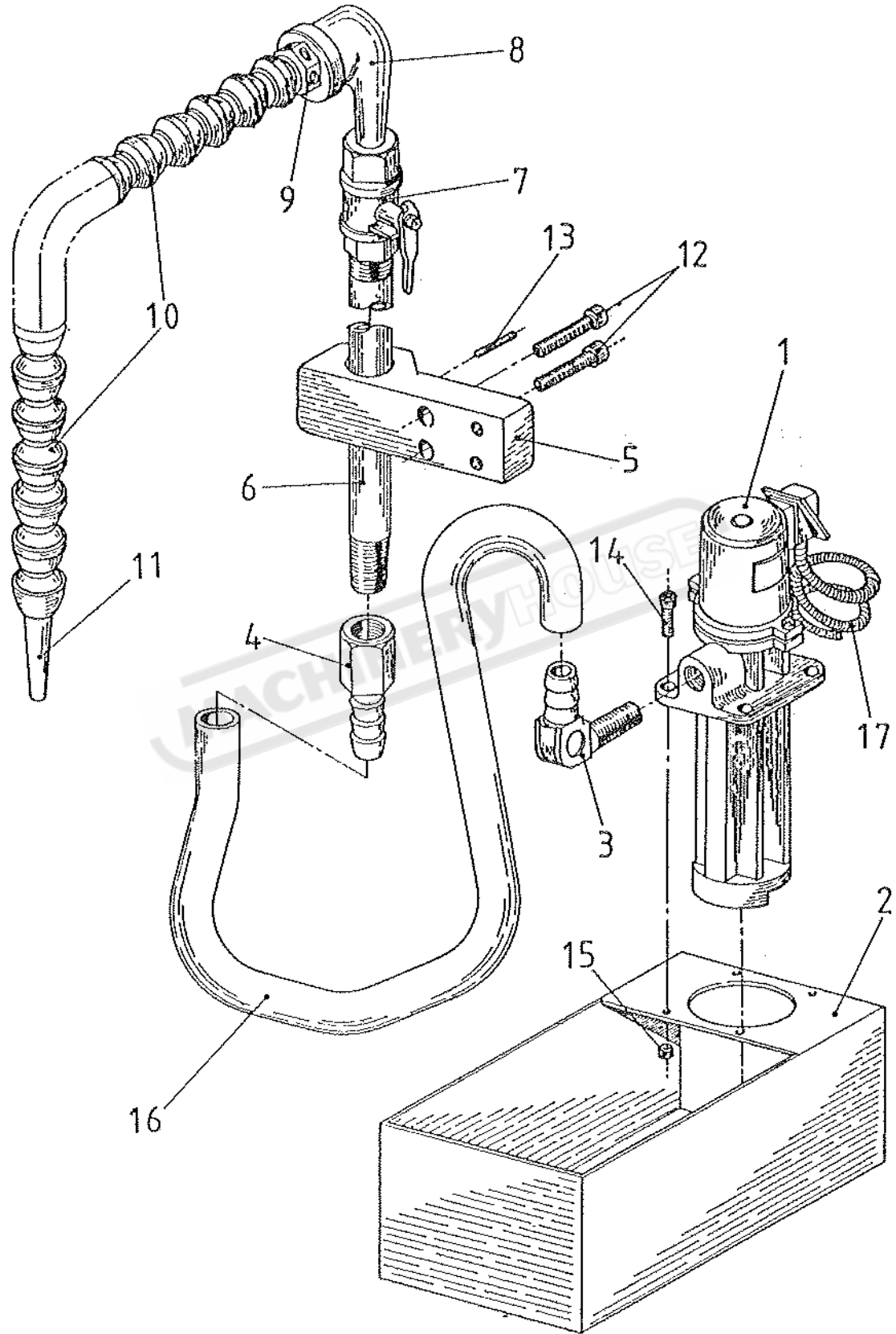
NO.	PART No.	Description	Quantity
FOLLOW REST			
1.	C-9049	Body	1
2.	C-9048	Collar	2
3.	C-9047	Adjusting Screw	2
4.	C-9046	Finger	2
5.	C-9045	Finger Pad	2
6.	A-4009	Pin	2
7.	A-1136	Socket Headless Set Screw (M8 x 25L)	2
8.	A-1701	Nut (M8)	2
9.	A-1217	Socket Head Cap Screw (M8 x 45L)	2
10.	A-1802	Washer	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

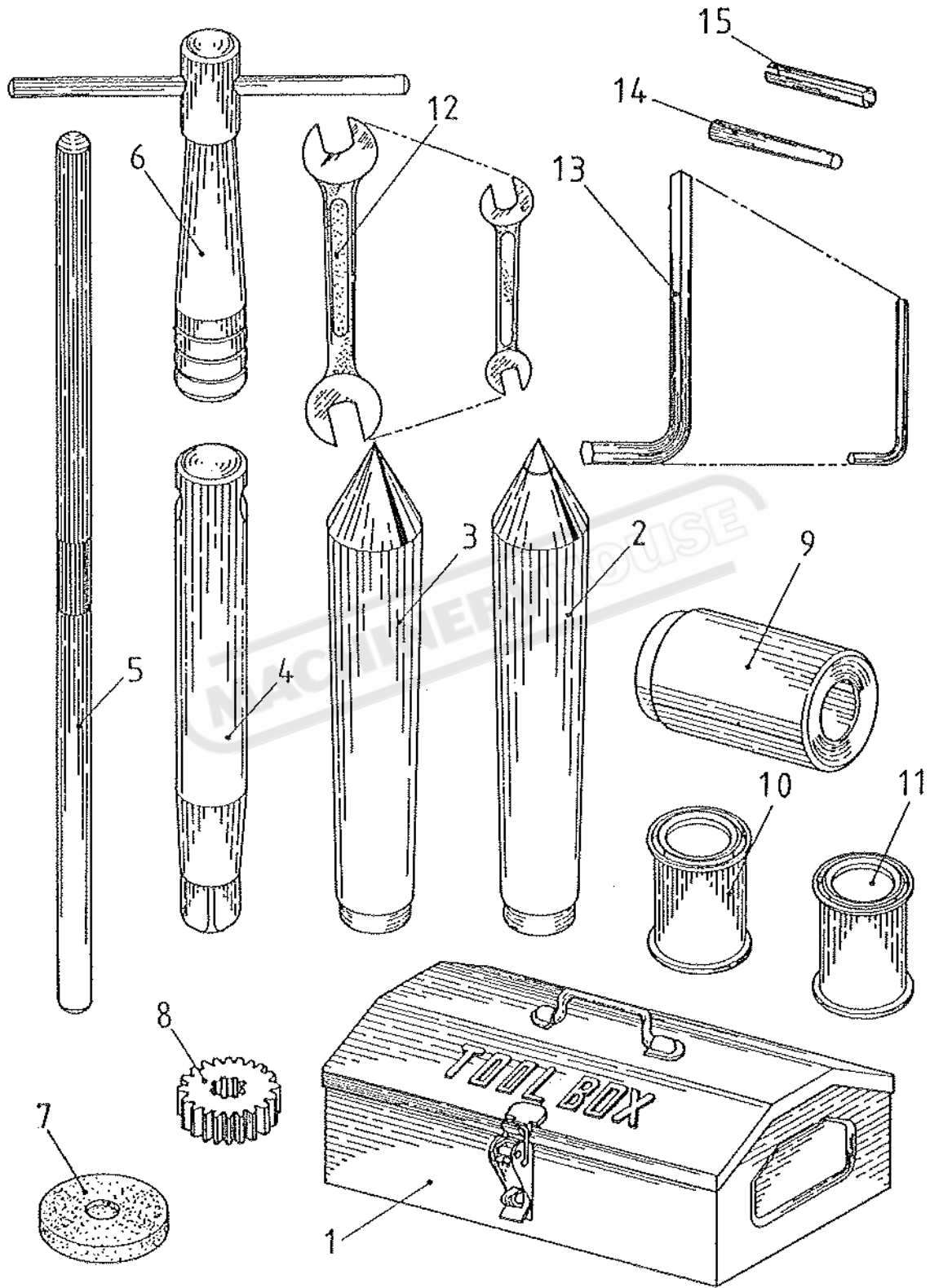
COOLANT EQUIPMENT



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	Nozzie	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 (ϕ 5 x 10)	2
	A-4013	Shear Pin (ϕ6 x 30)	2

INSPECTION RECORD

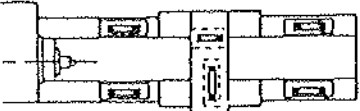

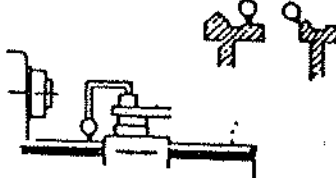

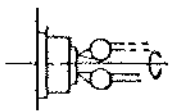
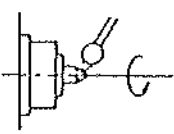
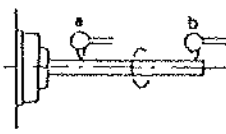
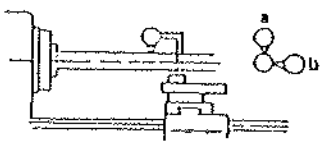
Model: *CP1550*

Series No. *6429*

Date: *2002*

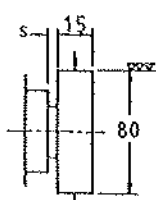
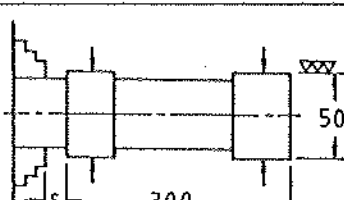
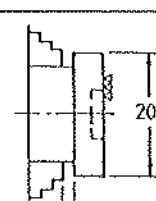
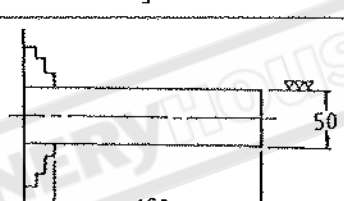
1. ACCURACY TEST.

UNIT: MM.

NO.	INSPECTION ITEM		DIAGRAM	TOLERANCE	
				PERMISSIBLE	ACTUAL
1	Straightness of bed slideway	a. Longitudinal direction (In vertical plane)		0.02	0.02
		b. Transverse direction (In vertical plane)		0.02	0.02
2	Parallelism of bed slideways.			0.02	0.016
3	Spindle nose runout			0.01	0.007
4	Main spindle for axial slip, measured at 2 points, displaced by 180°			0.015	0.007
5	True running of center point of main spindle.			0.015	0.007
6	Spindle taper hole runout	a. Nearest spindle nose		0.01	0.008
		b. At a distance of 300mm.		0.02	0.019
7	Parallelism of center line of main spindle to longitudinal motion of carriage	a. In vertical plane		0.025	0.012
		b. In horizontal plane		0.025	0.013

NO.	INSPECTION	DIAGRAM	TOLERANCE	
			PERMISSIBLE	ACTUAL
8	Movement of compound slide parallel with main spindle in vertical plane (Hand feed)		0.01/150	0.009
9	Parallelism of tailstock spindle with bed ways.		0.015/100	0.014
			0.015/100	0.013
10	Parallelism of bed ways with center line of tailstock spindle hole.		0.02/300	0.017
			0.02/300	0.018
11	Difference in center height between headstock and tailstock (Mandrel rising towards tailstock end)		0.025	0.023
12	Squareness of motion of cross slide with center line of main spindle		0.02/300	0.017
13	Parallelism of center line of leadscrew end bearing to carriage slide ways		0.1	0.08
			0.1	0.08
14	Diviations in alignment of center line of leadscrew end bearing with center line of half nut.		0.15	0.1
			0.15	0.1
15	Pitch error of leadscrew		0.03/300	0.02

2.PRACTICAL

NO.	TESTING ITEM	DIAGRAM	TOLERANCE	
			PERMISSIBLE	ACTUAL
1	Accuracy of outside turning		0.01	0.006
2	Accuracy of cylindrical turning		0.025	0.01
3	Accuracy of face turning		0.02	0.017
4	Heavy load cutting Conditions; Material, mild steel ϕ 50 Spindle speed, 845 RPM. Feed rate, 0.1 mm/rev. Depth of cut in diameter.		ϕ 14	ok

3.MAIN ELECTRIC SPECIFICATIONS

ITEM	H.P.	VOLTAGES	FREQUENCY	R.P.M.	RATED CURRENT
INVERTER (VS MODEL)	7.5	200--240 V. 280--460 V.	0--400HZ.	---	24A. 12A.
DRIVE MOTOR (VS MODEL)	7.5	220V. 440V.	50/60HZ.	940/1140	16.6 A-220V. 8.3 A-440V.
DRIVE MOTOR STANDARD	7.5	220V. 440V.	50/60HZ.	1420/1720	20.0 A-220V. 10.0 A-440V.
COOLANT PUMP	0.125	220V. 440V.	50/60HZ.	2850/3420	0.6A. 0.3A.
LUB. PUMP VS MODEL	0.125	220V. 440V.	50/60HZ.	2850/3420	0.6A. 0.3A.

Approved by:

David

Inspected by:

Monica