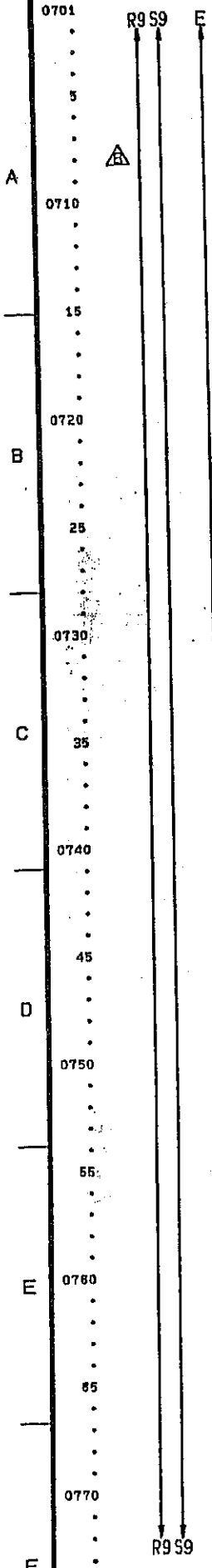


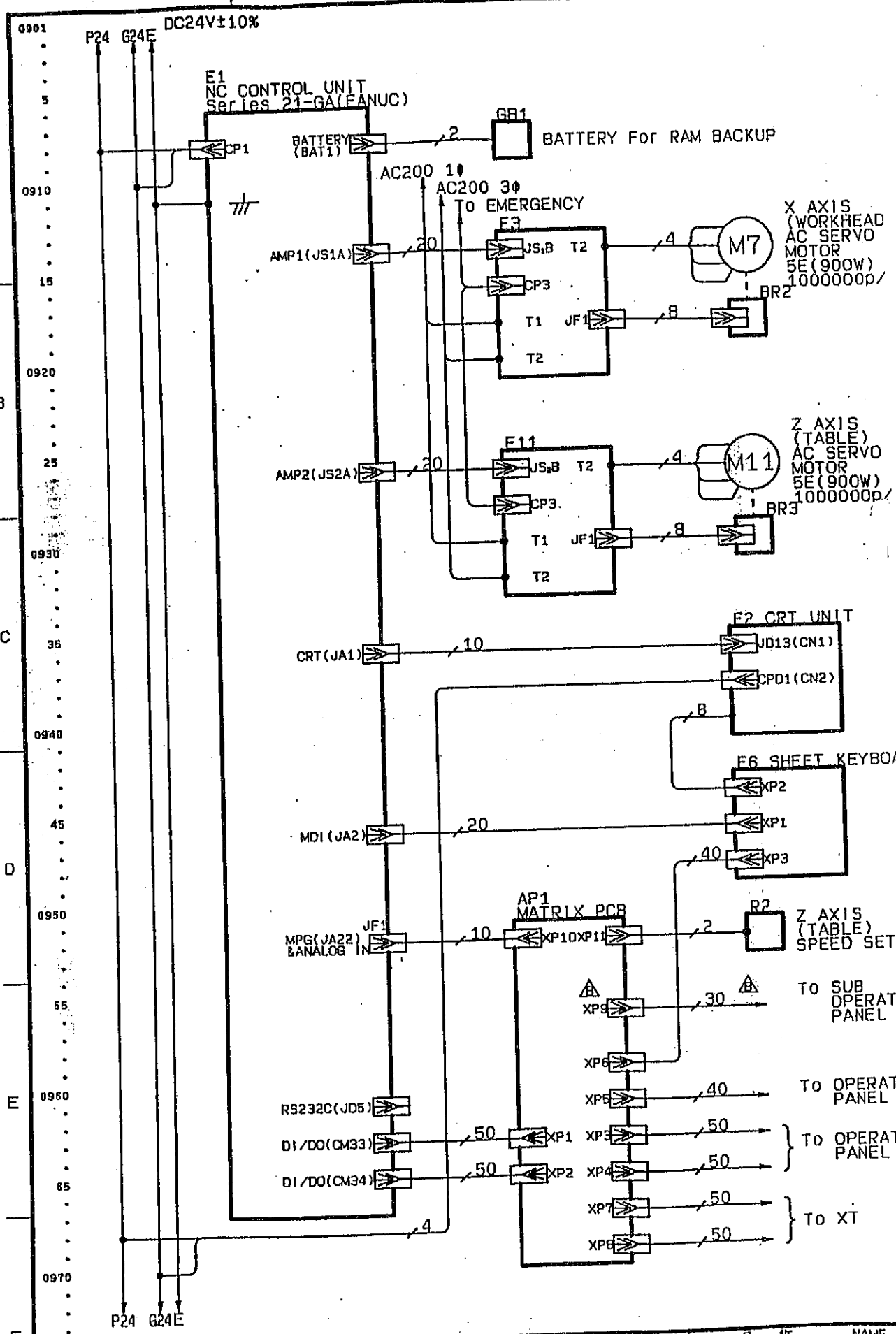
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		5942 KAMBE	5942 KAMBE	505EL0096B3	OGM-Series	SCHEMATIC DIAGRAM
		930526	950424	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS. LTD.	分類コード C.CODE 3410	図番 DRAWING NO. PAGE 06

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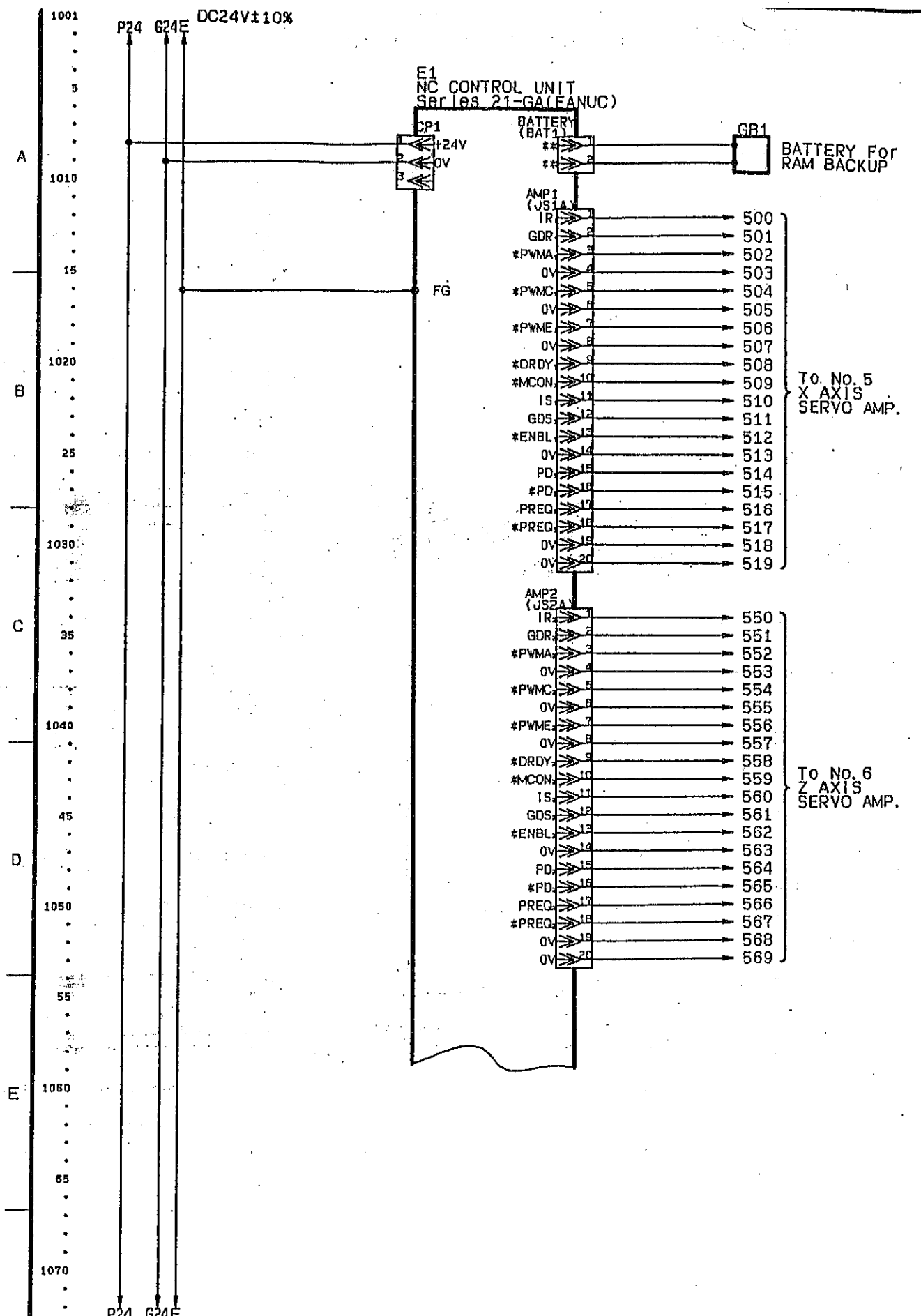


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				岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS LTD	分類コード C. CODE	図番 DRAWING NO.
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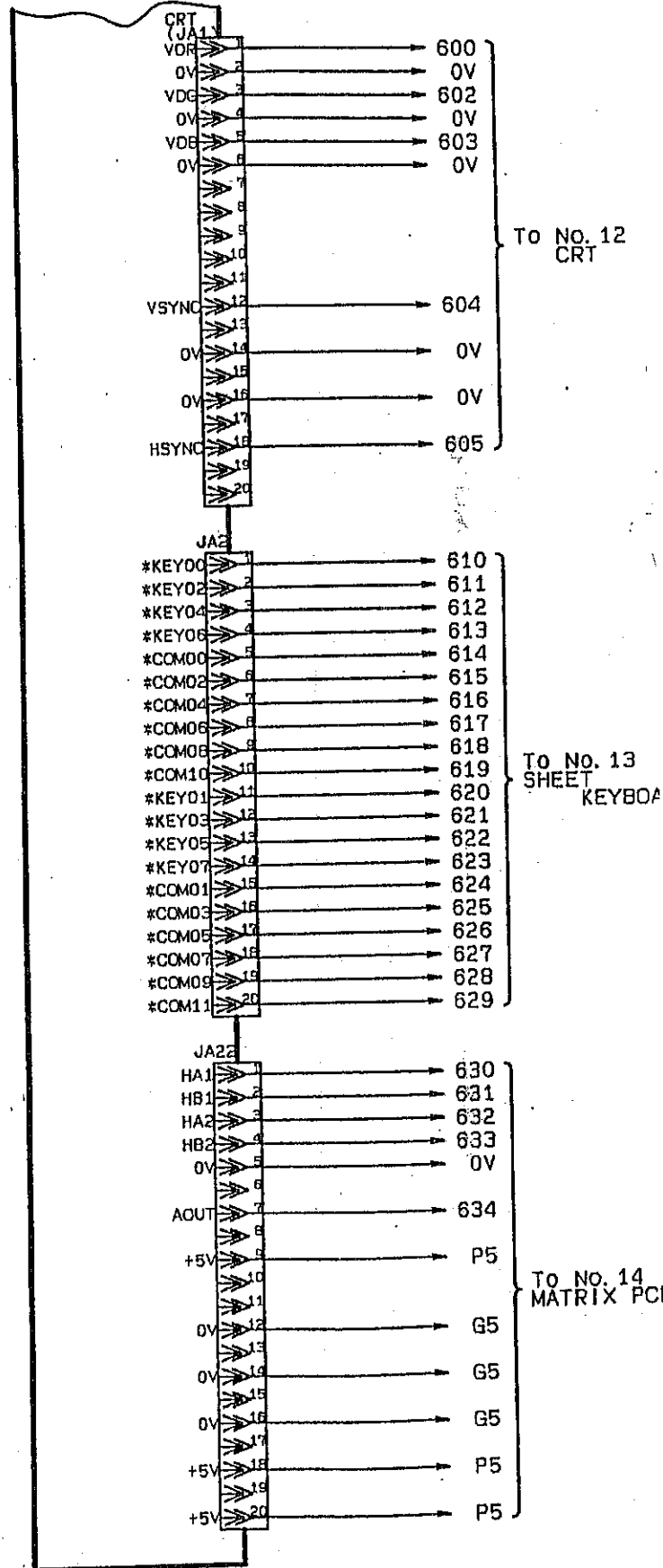
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		930721	940224	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS LTD	分冊下 C.CODE 3430	図番 DRAWING No.
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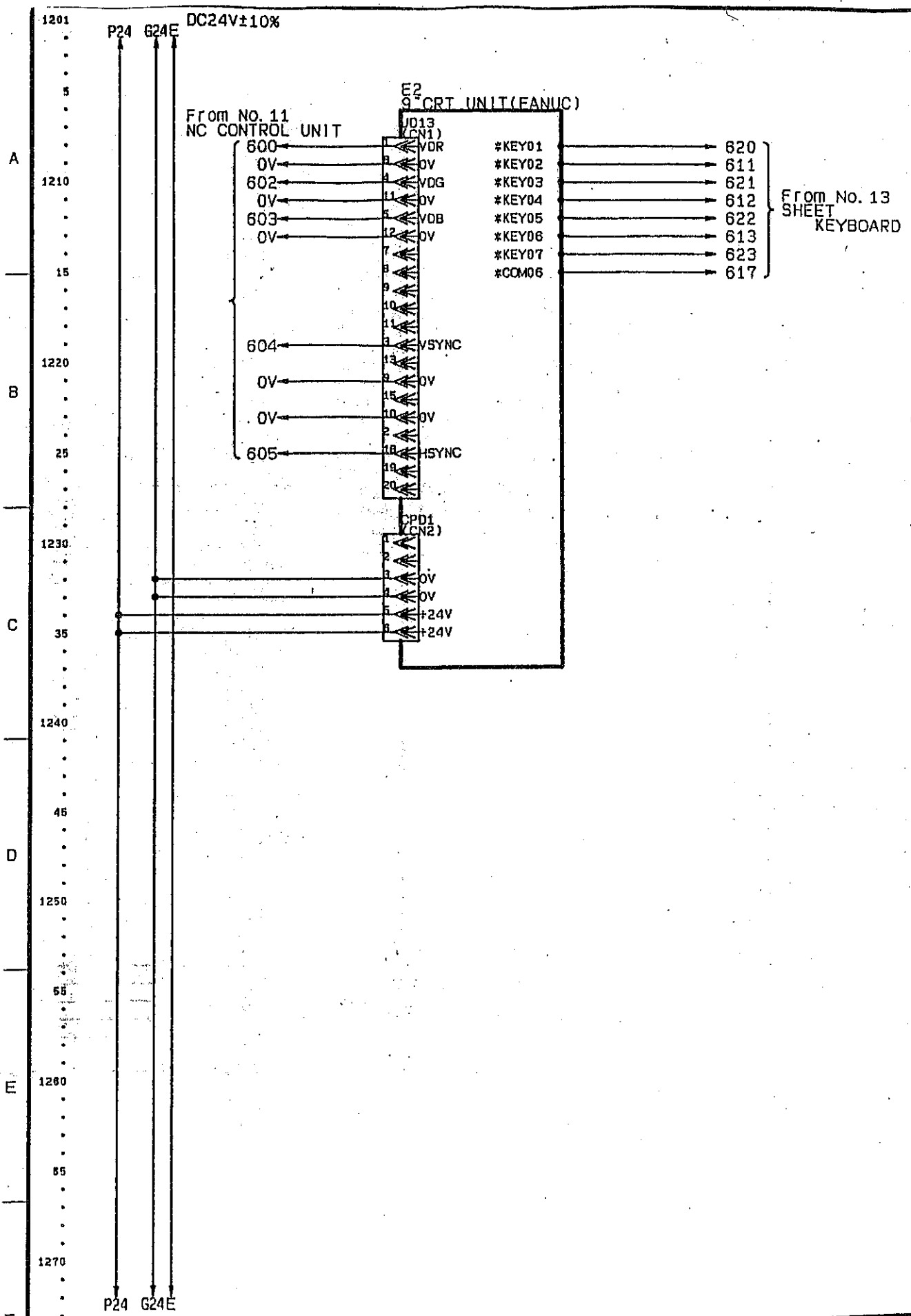
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		930526	930812	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS, LTD.	図番 DRAWING NO. 3430	頁 PAGE 10

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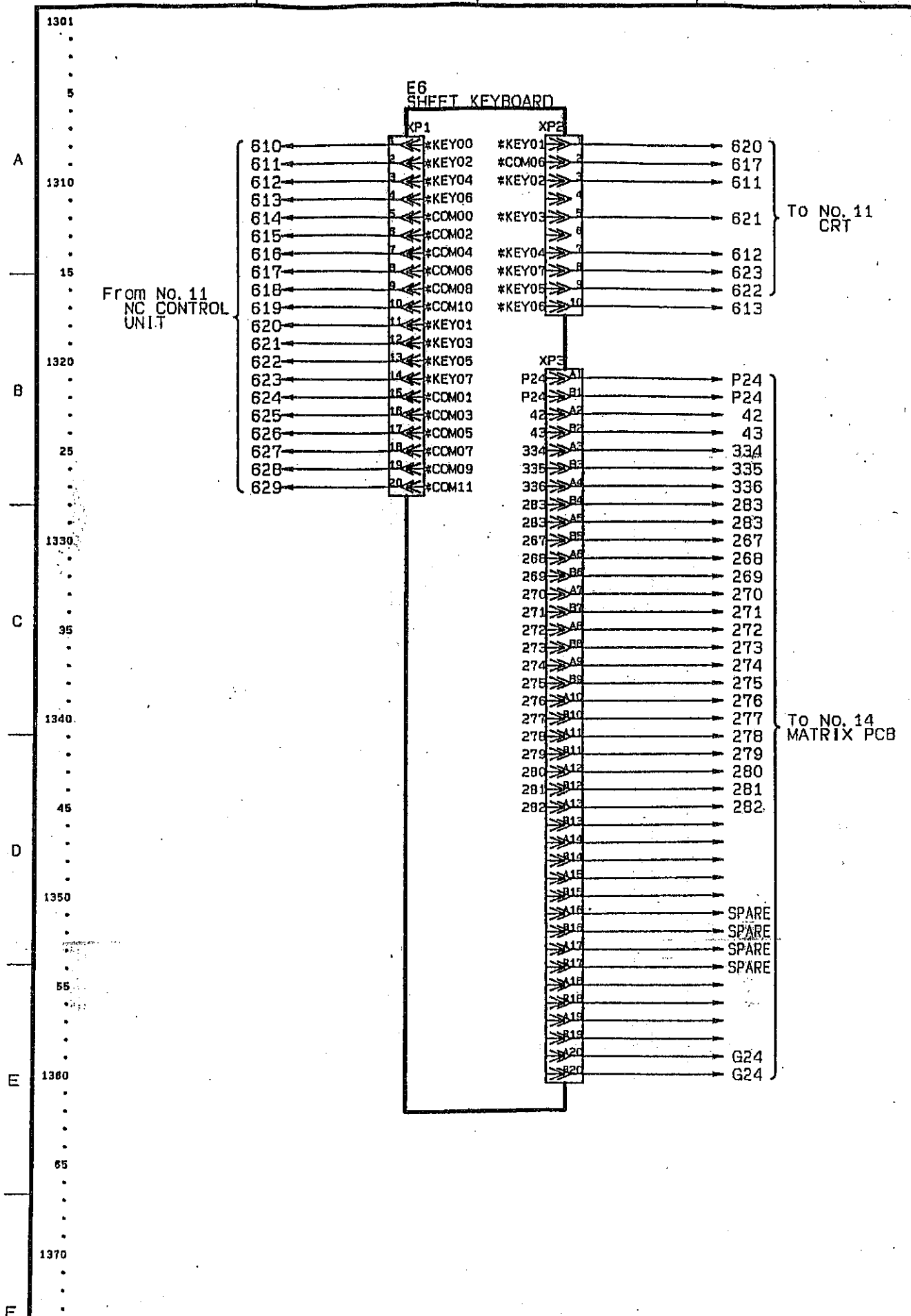


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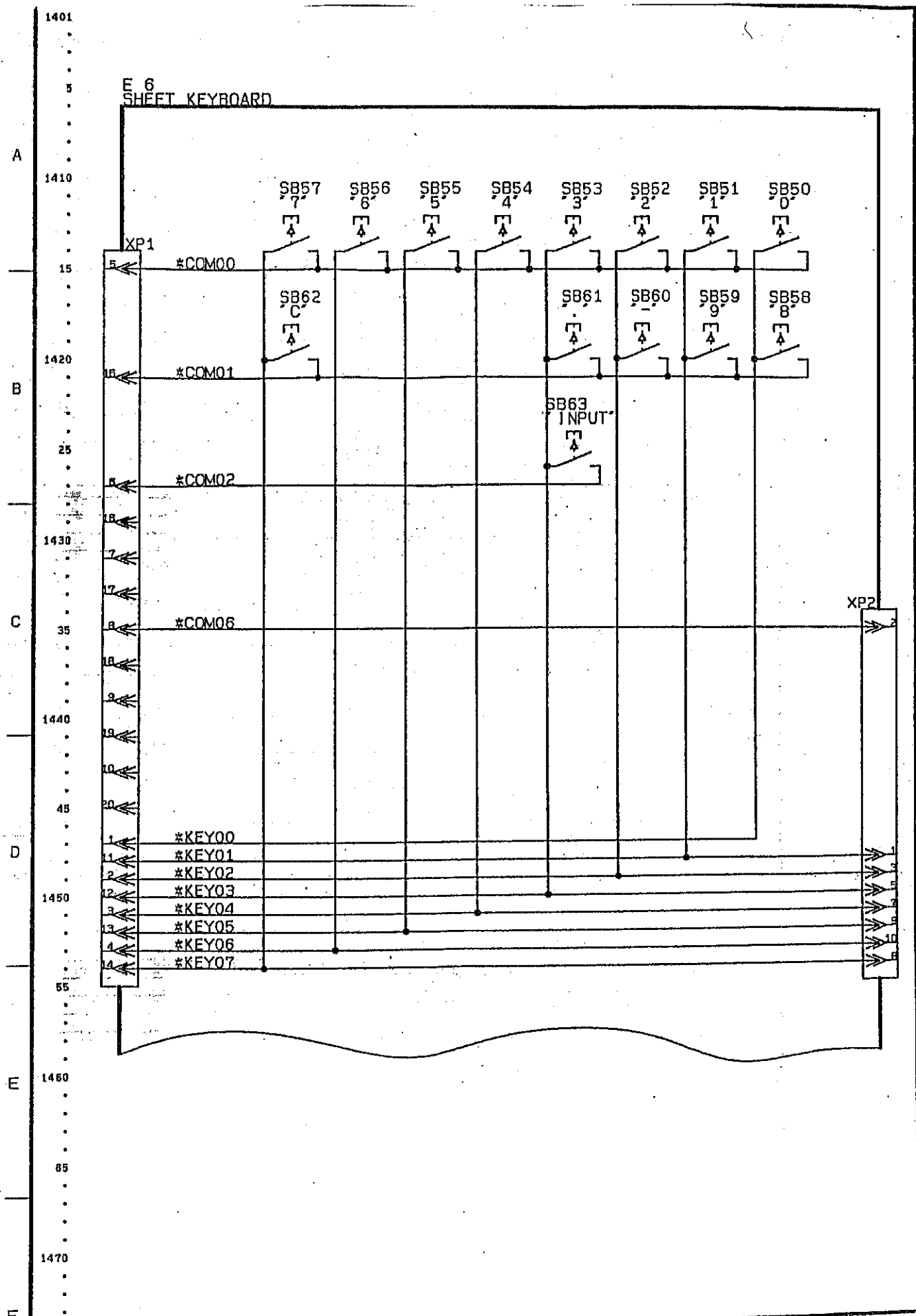


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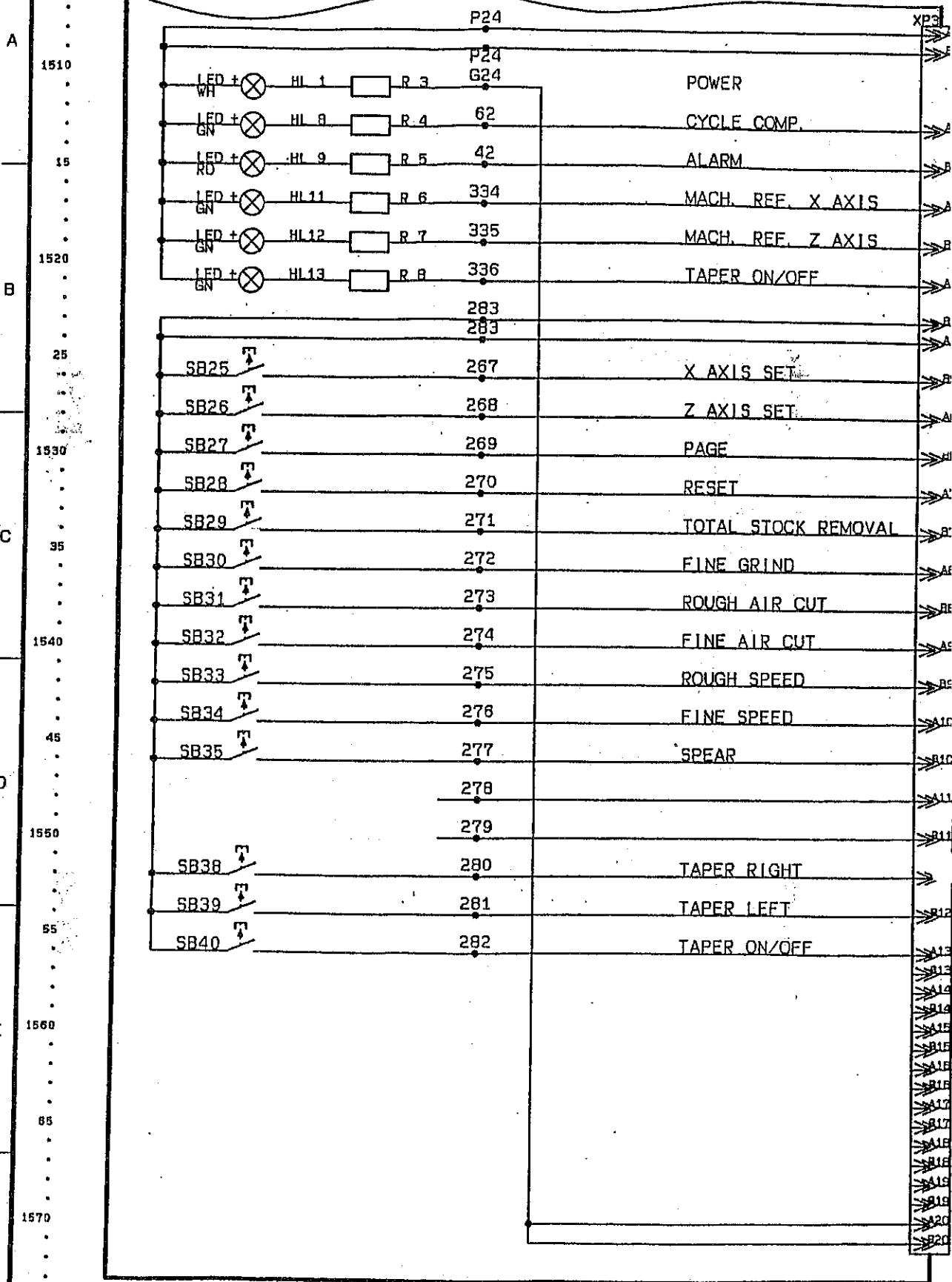


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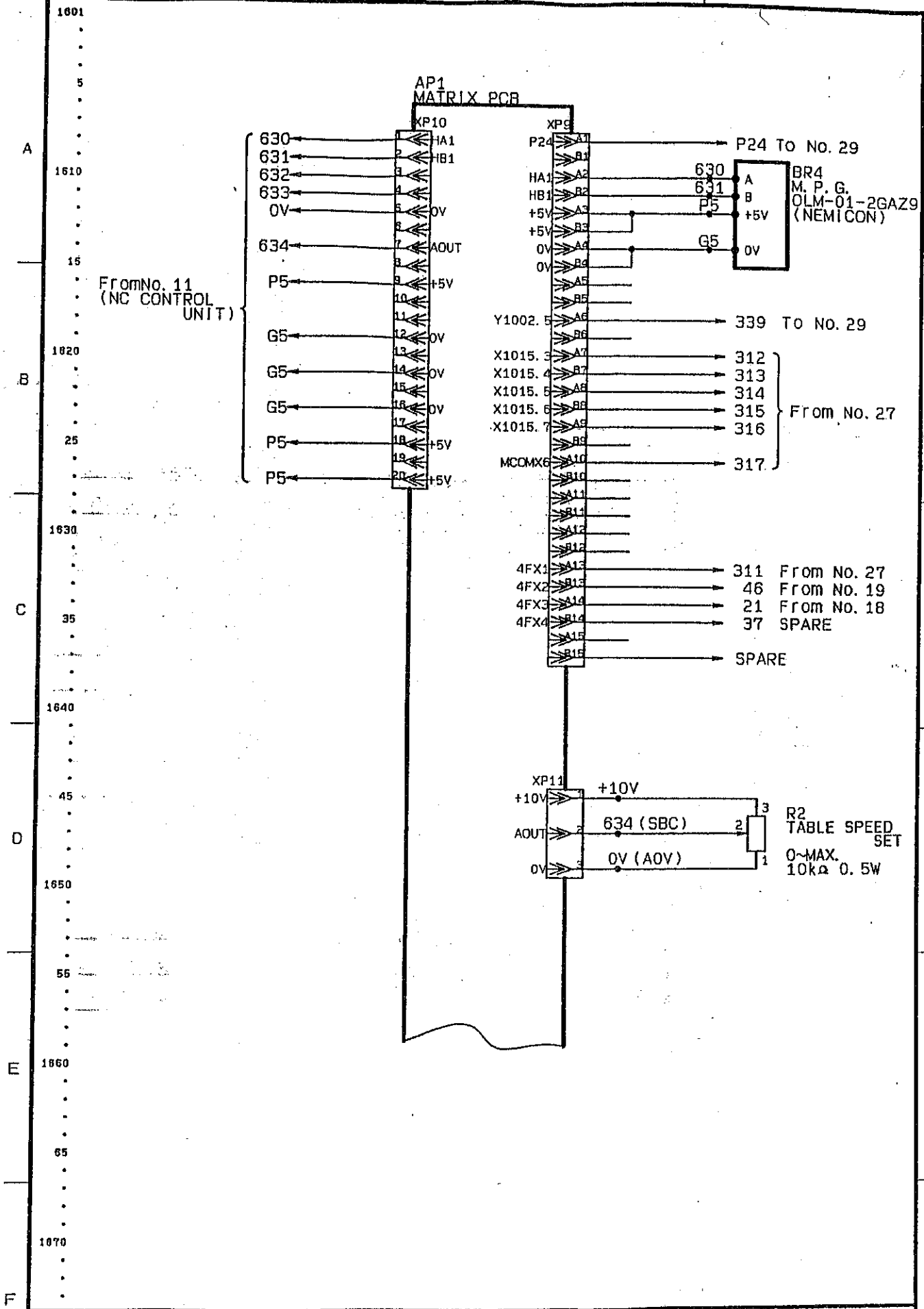


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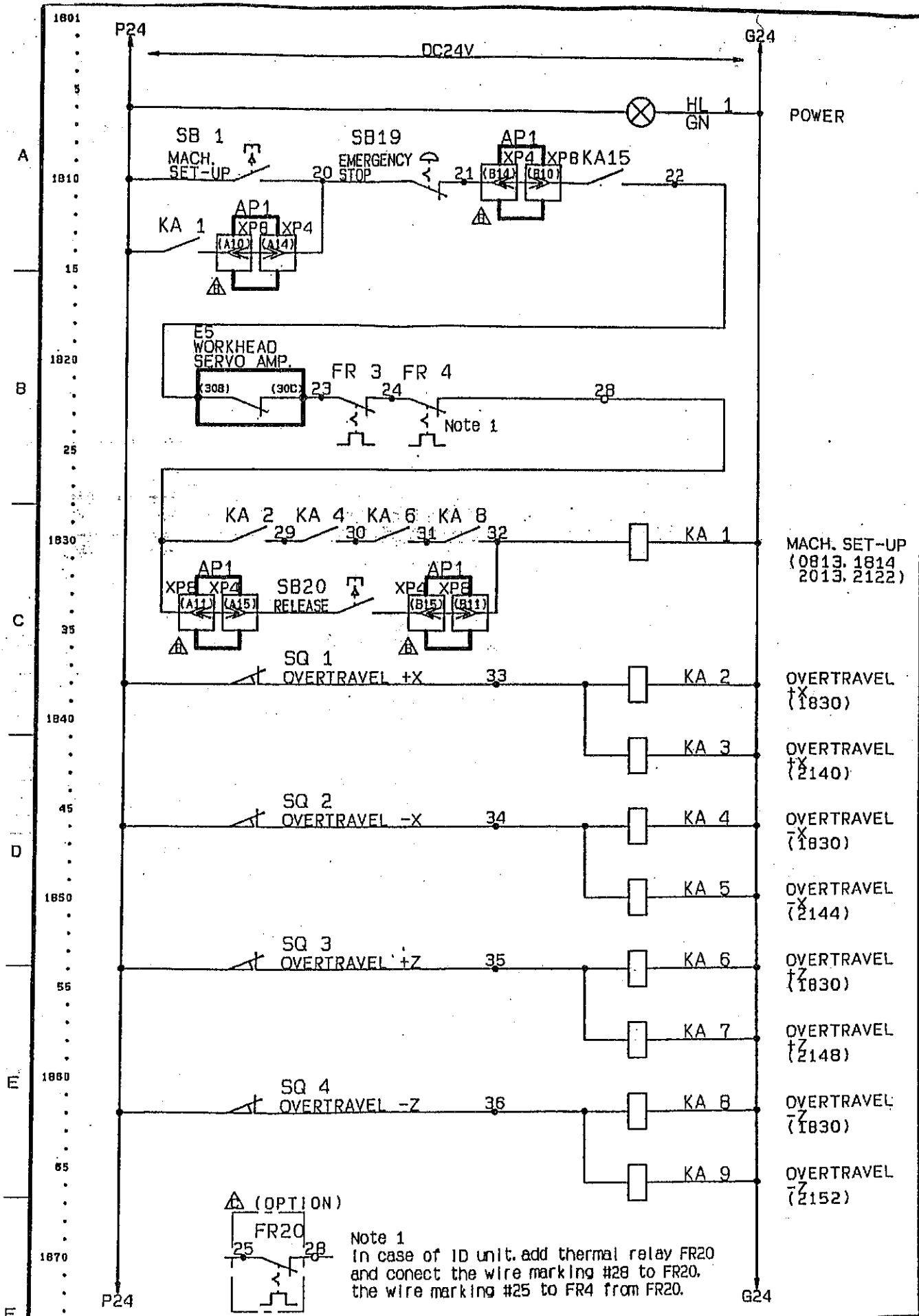
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岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS LTD.				分組コード C. CODE	図番 DRAWING NO.	頁 PAGE
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承認 APPROVED	検図 CHECKED	設計 DESIGNED	製図 DRAWN	第二図番 PRIMARY Dwg. No.	形式 MODEL	名件 NAME
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		990127	990127	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS, LTD.	図番 DRAWING No.	頁 PAGE
				3430		16



POWER

MACH. SET-UP
(0813, 1814, 2013, 2122)

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+X (1830)

OVERTRAVEL
+Y (2140)

OVERTRAVEL
+X (1830)

OVERTRAVEL
+X (2144)

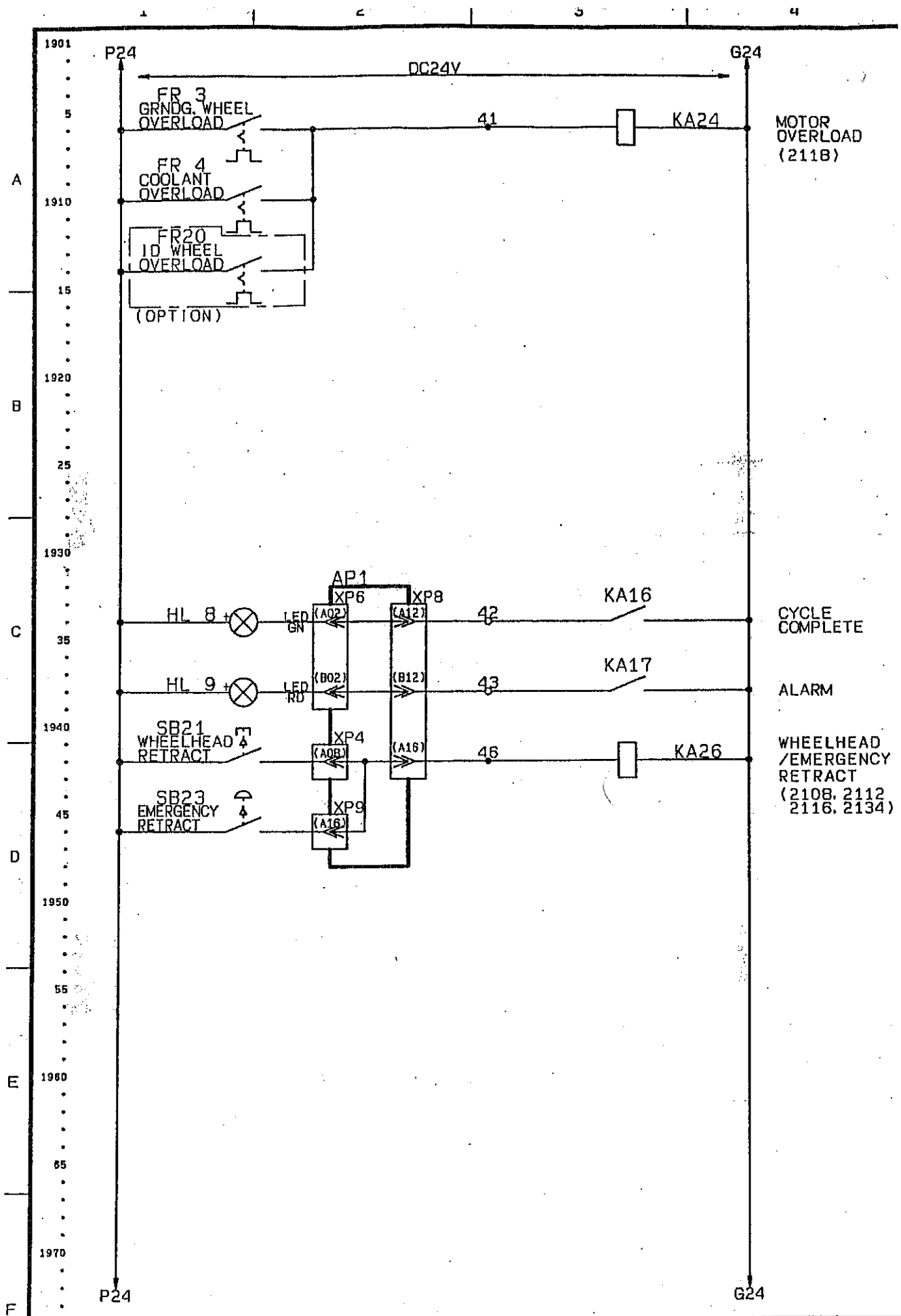
OVERTRAVEL
+Z (1830)

OVERTRAVEL
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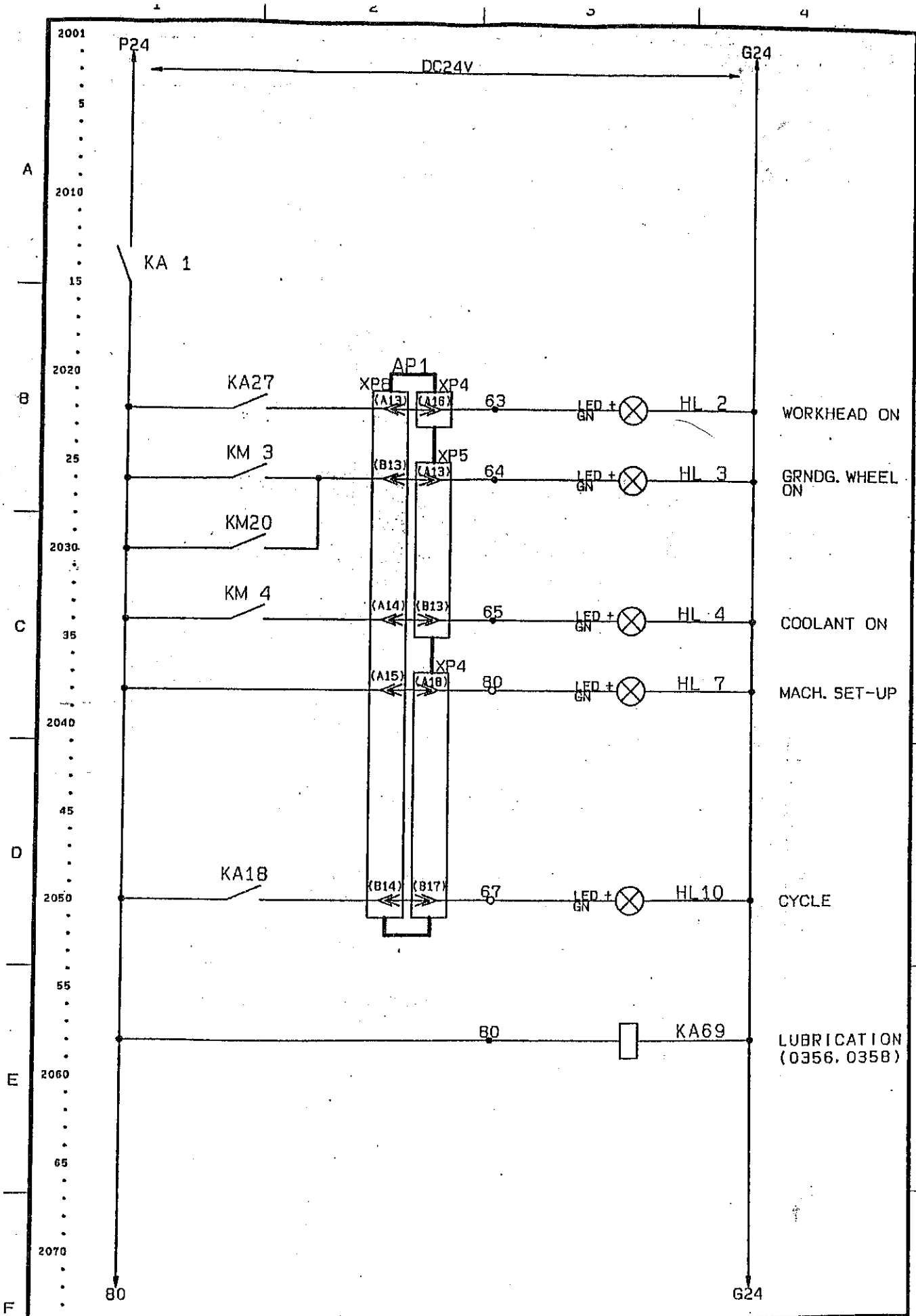
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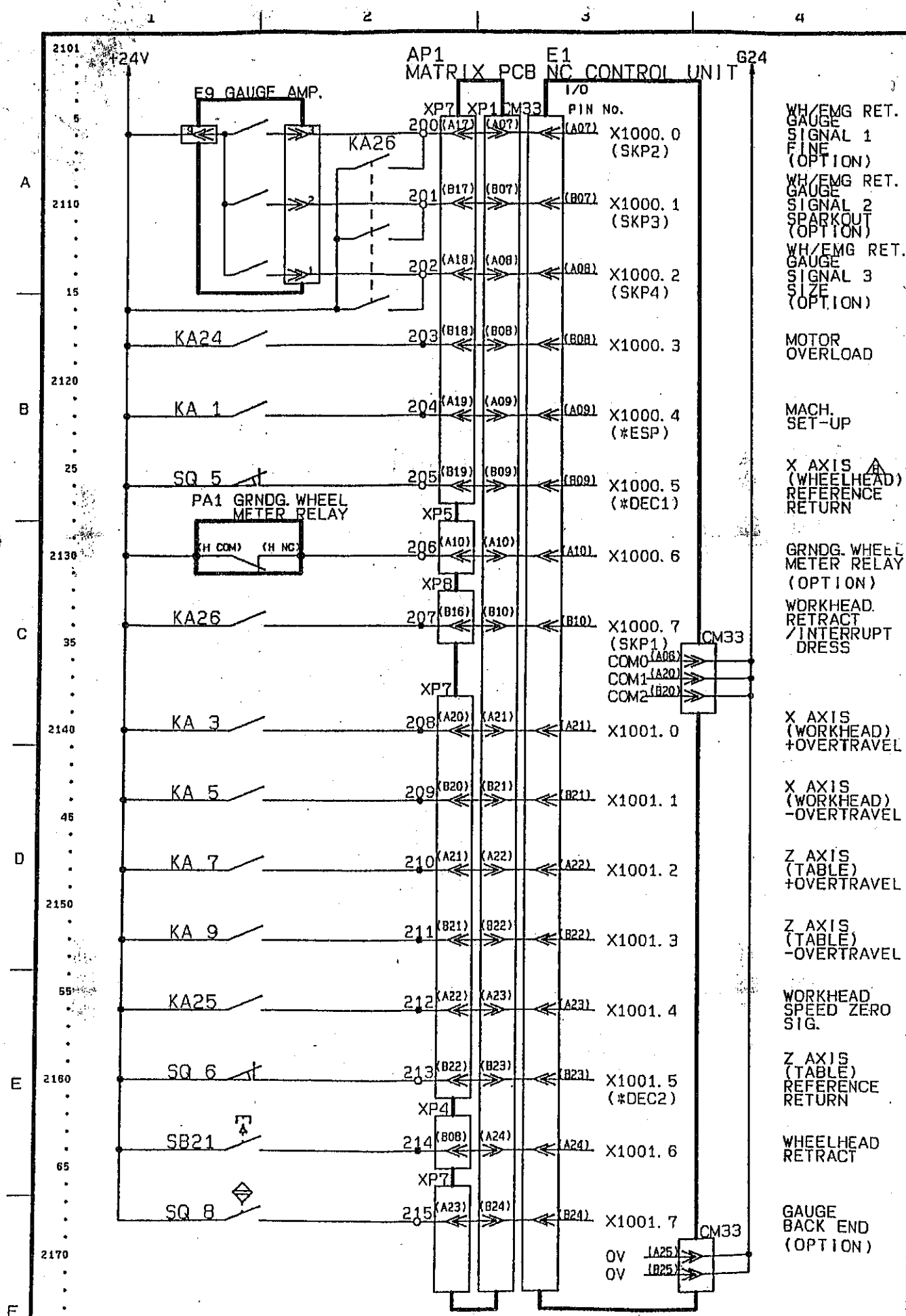
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	5942 KAMBE	5942 KAMBE	5510 MATSUYAMA	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS, LTD.	分類コード C. CODE 3430	図番 DRAWING No.
960905	930526	960905				頁 PAGE 18



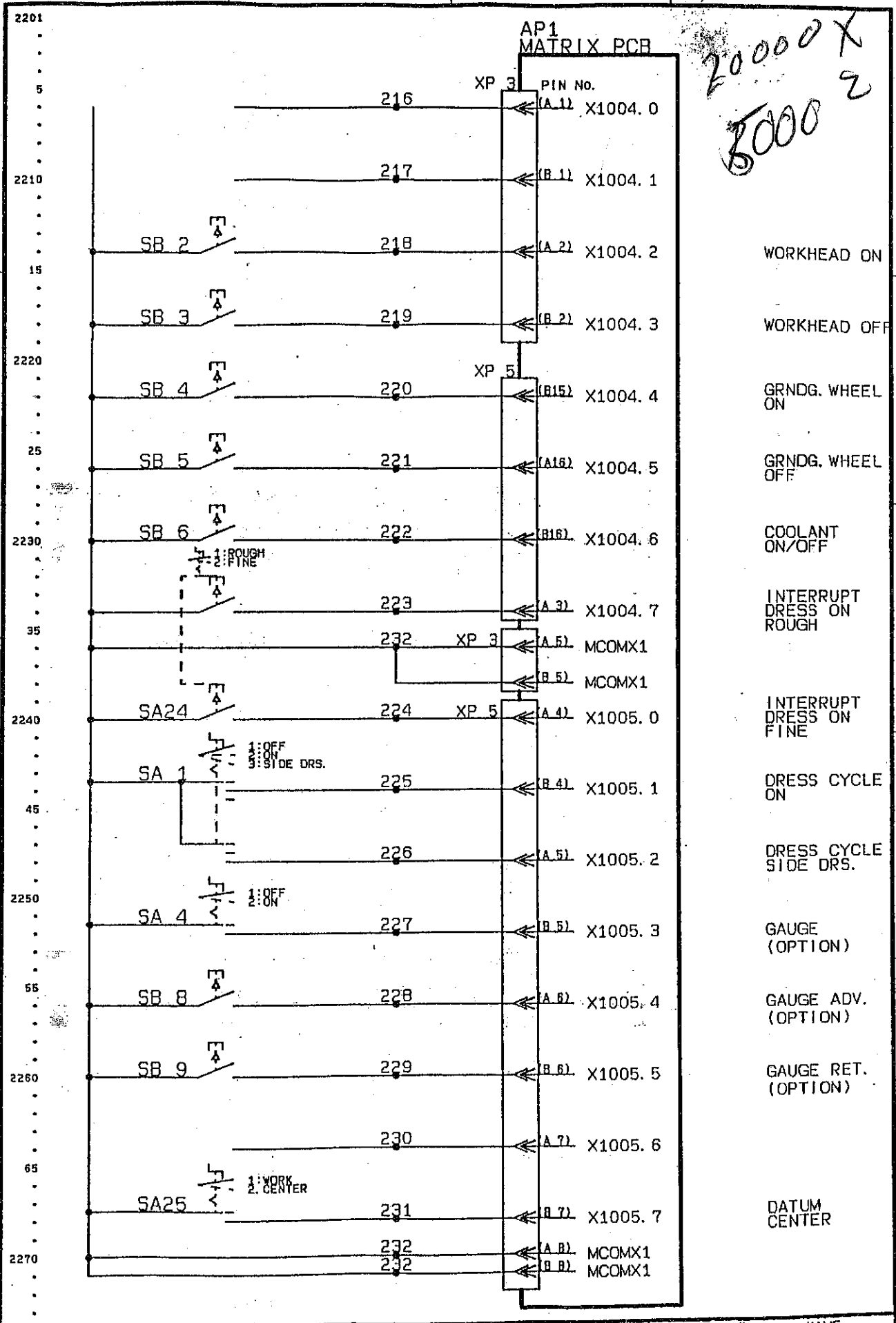
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岡本工作機械製作所 OKAMOTO MACHINE TOOL CO., LTD.				分組コード C. CODE	図番 DRAWING NO.	頁 PAGE
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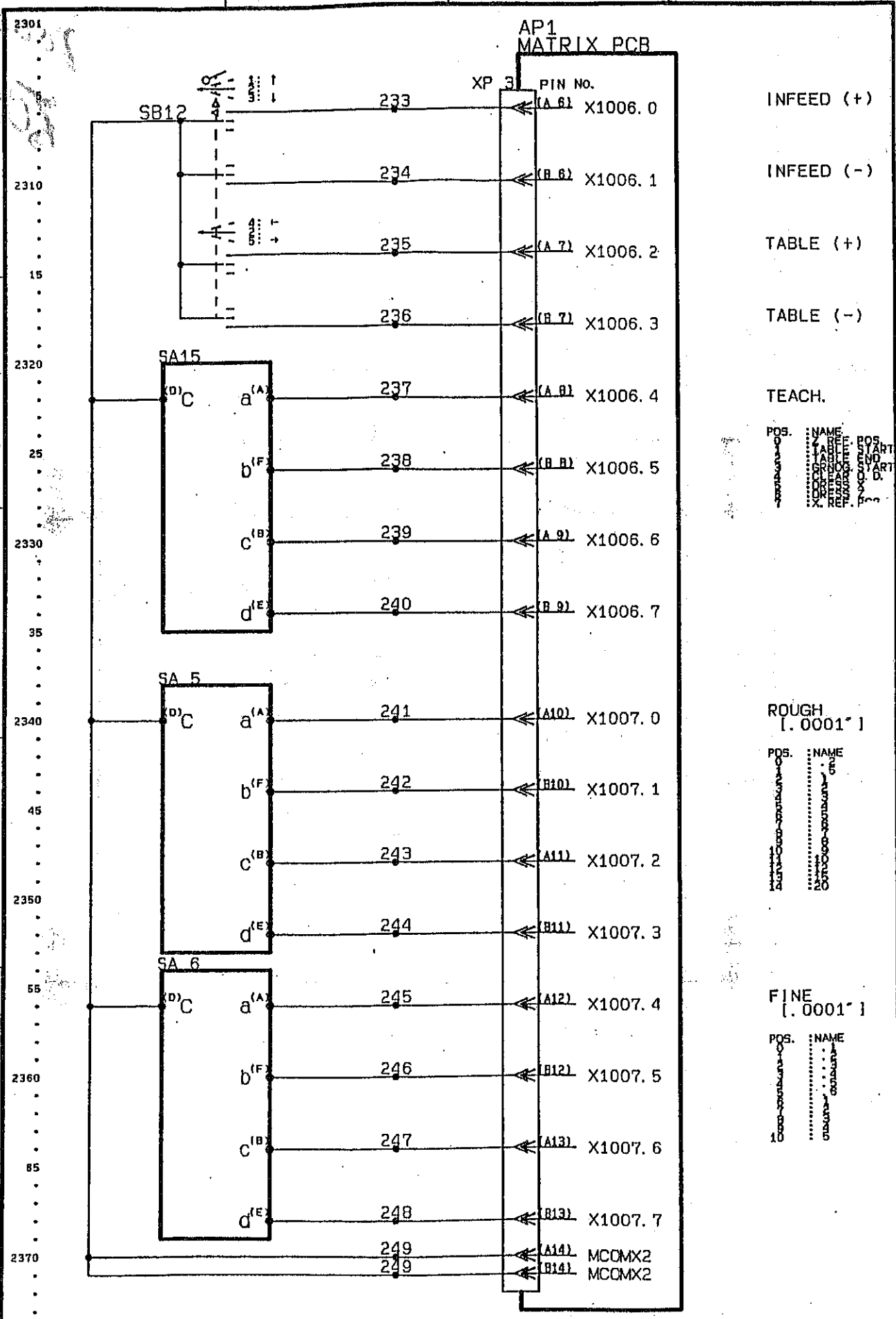
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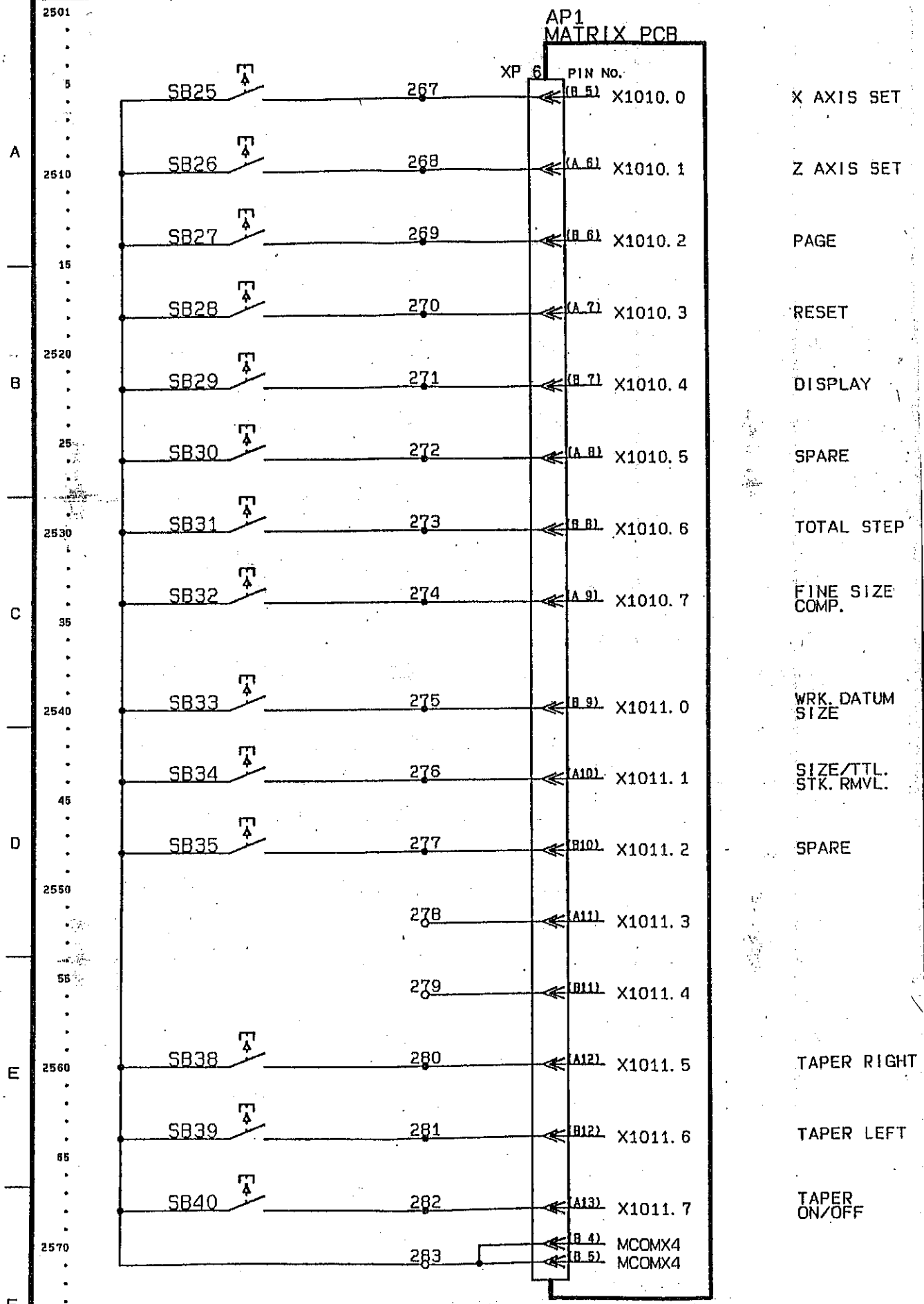
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		5942 KAMBE	5942 KAMBE	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS LTD	分組コード C.CODE 3110	図番 DRAWING No. PAGE 21



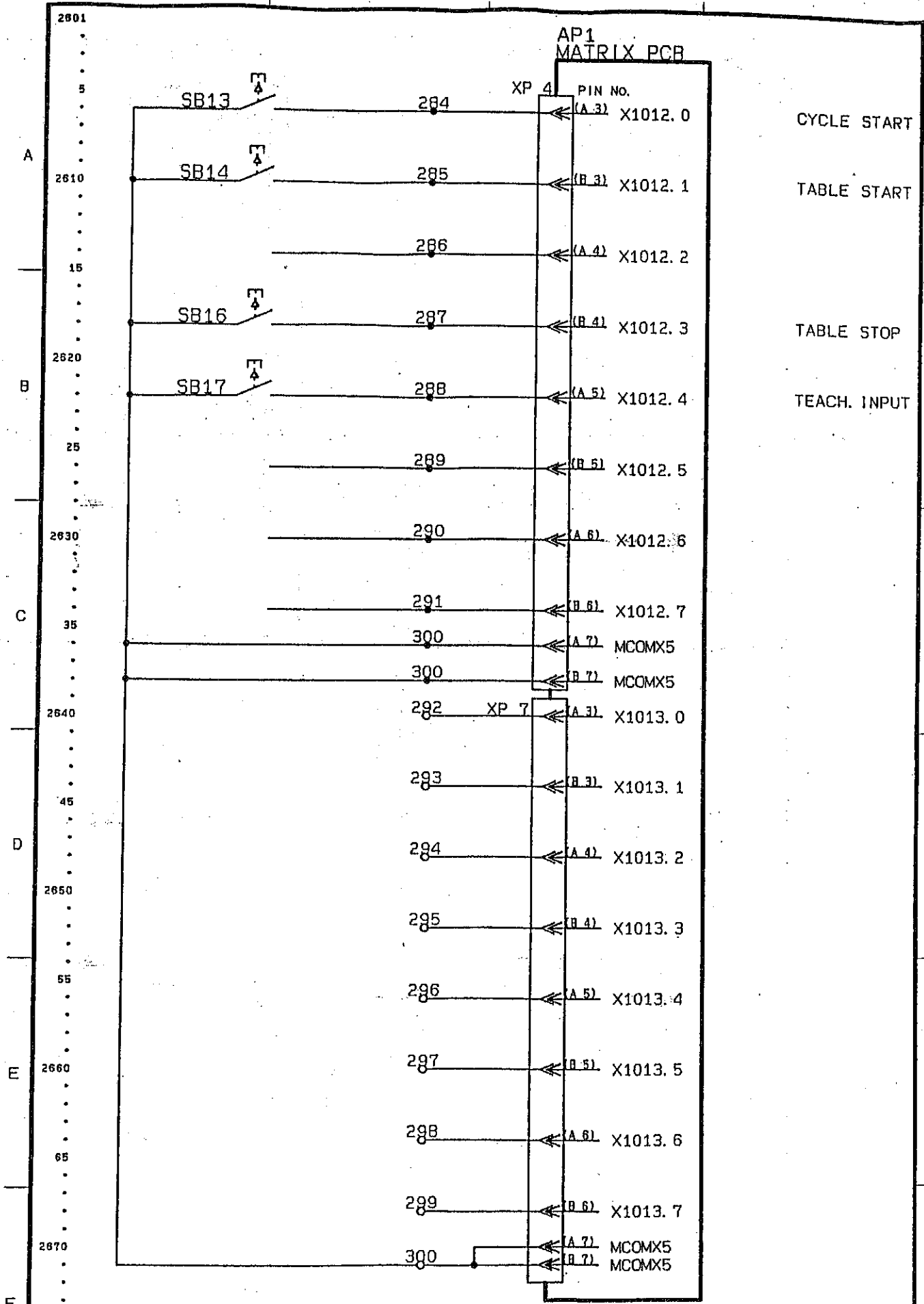
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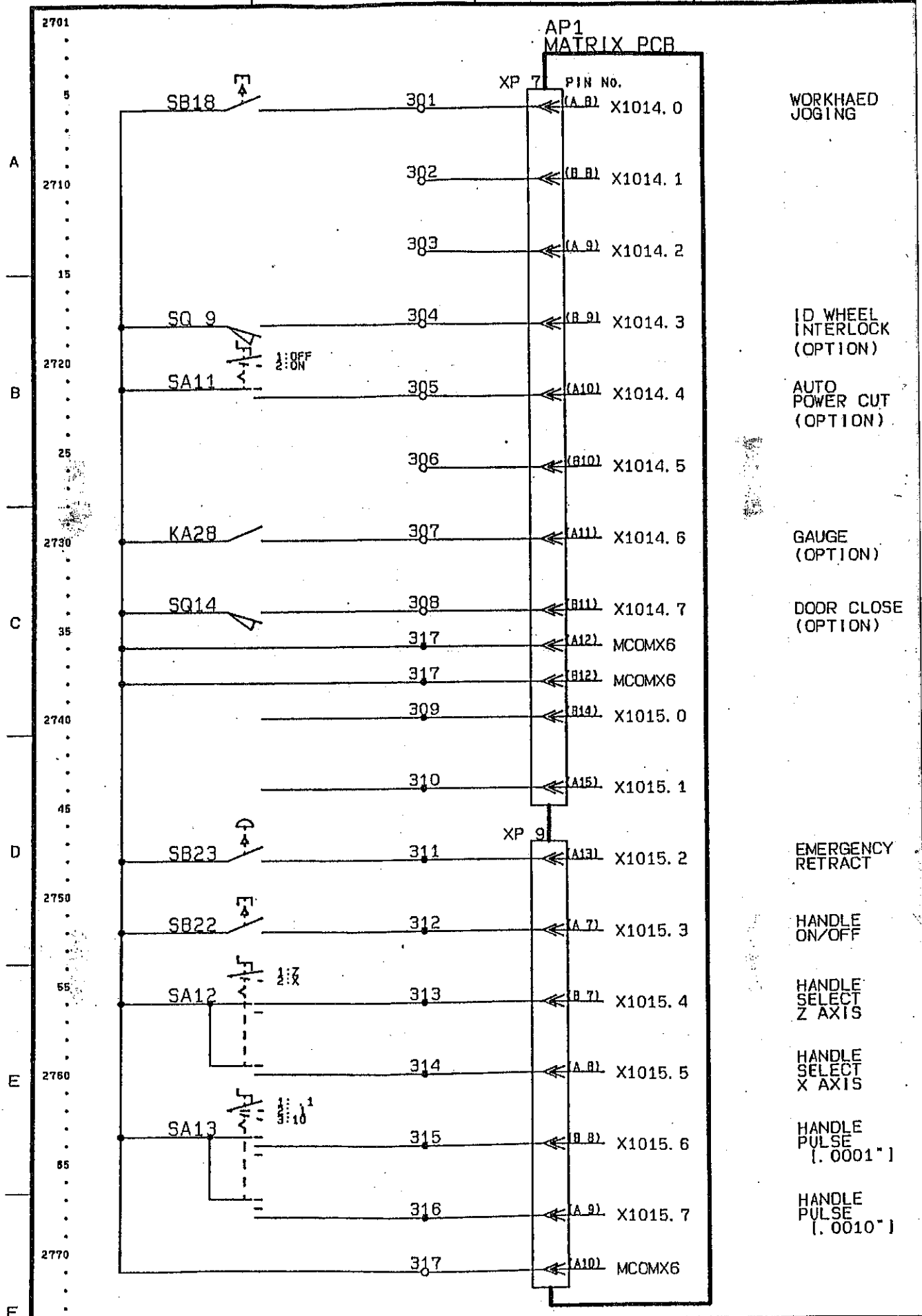
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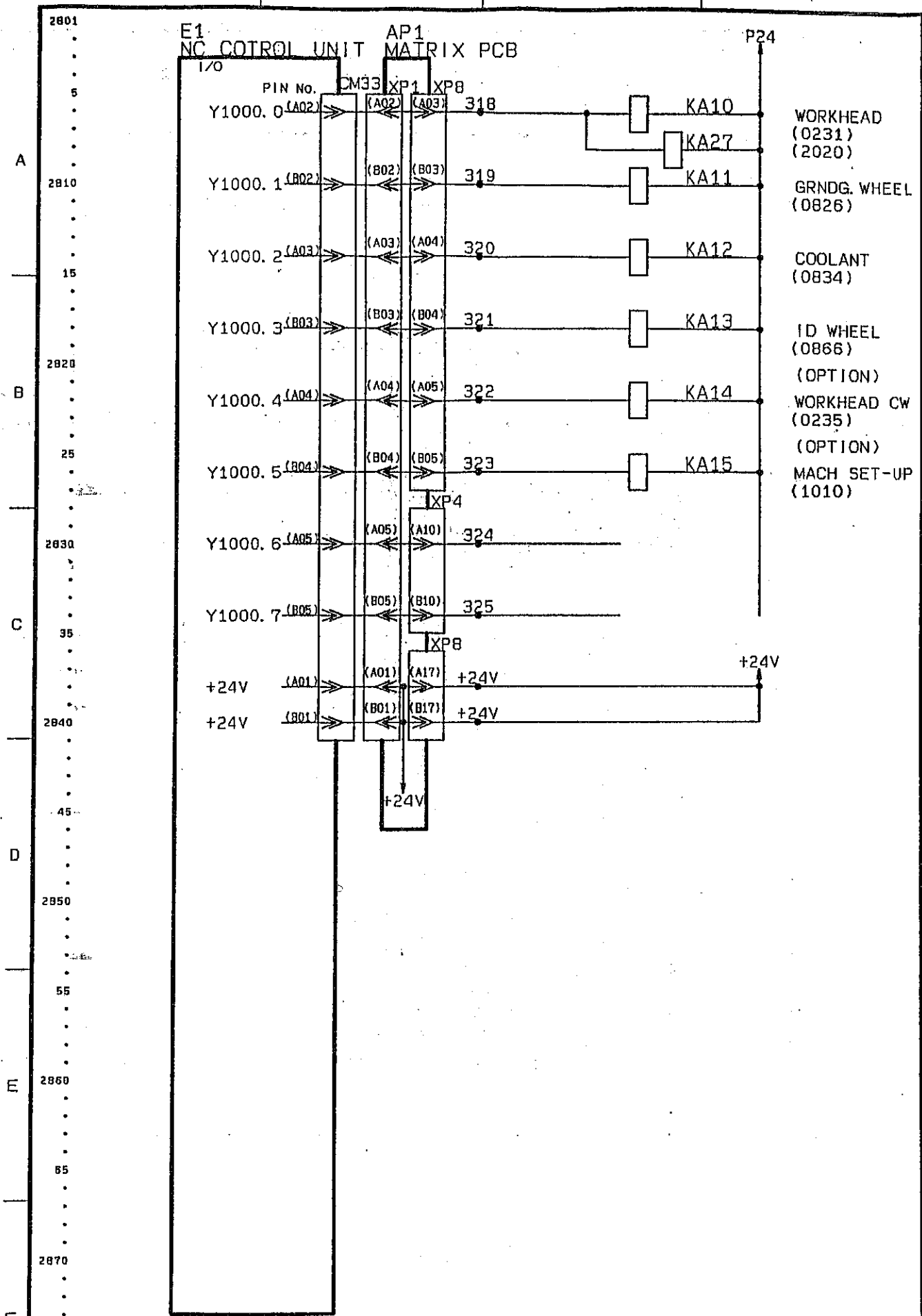
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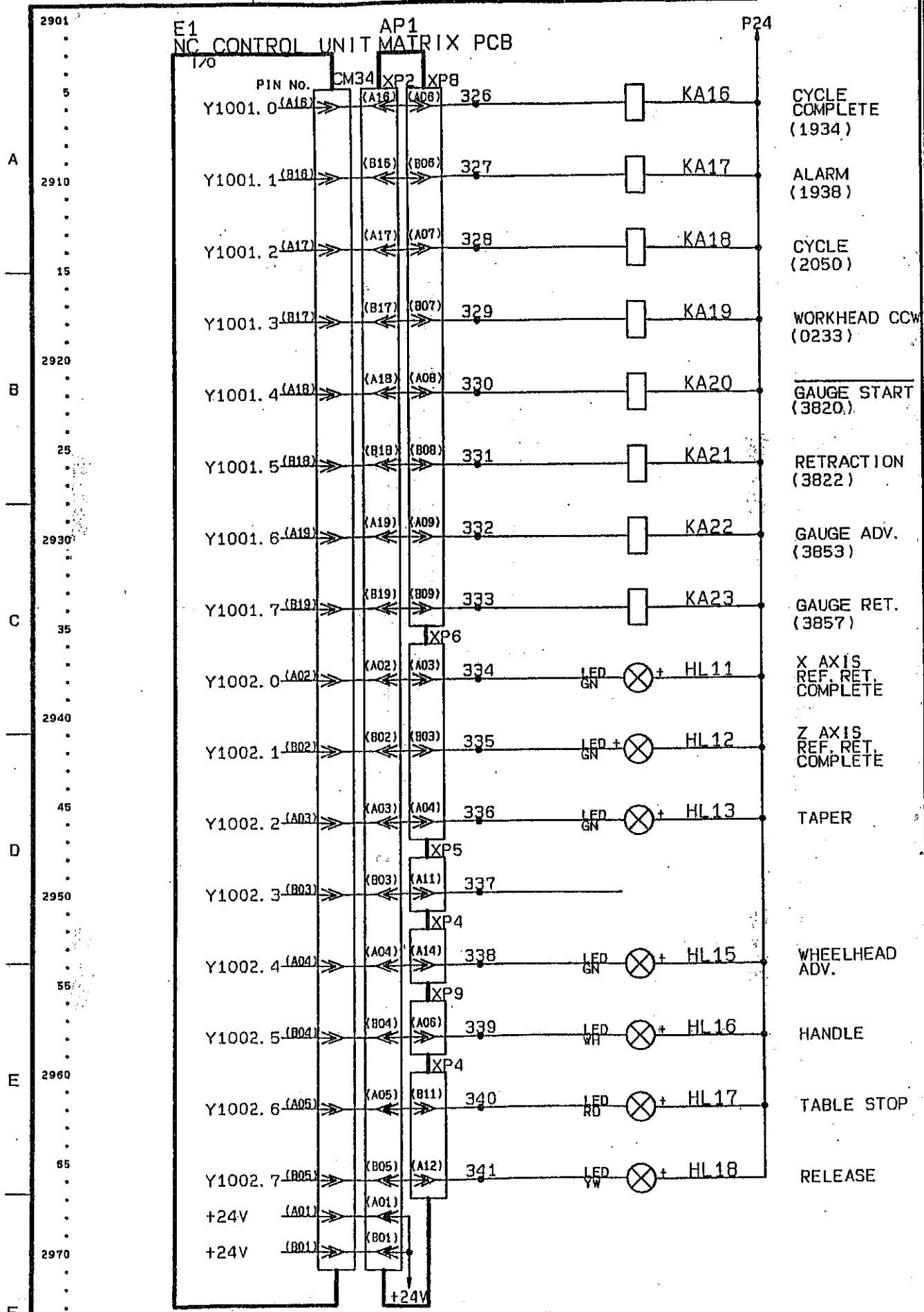
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		990128	990128	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS, LTD.	分類コード C.COE 3440	図番 DRAWING No. 頁 PAGE 26



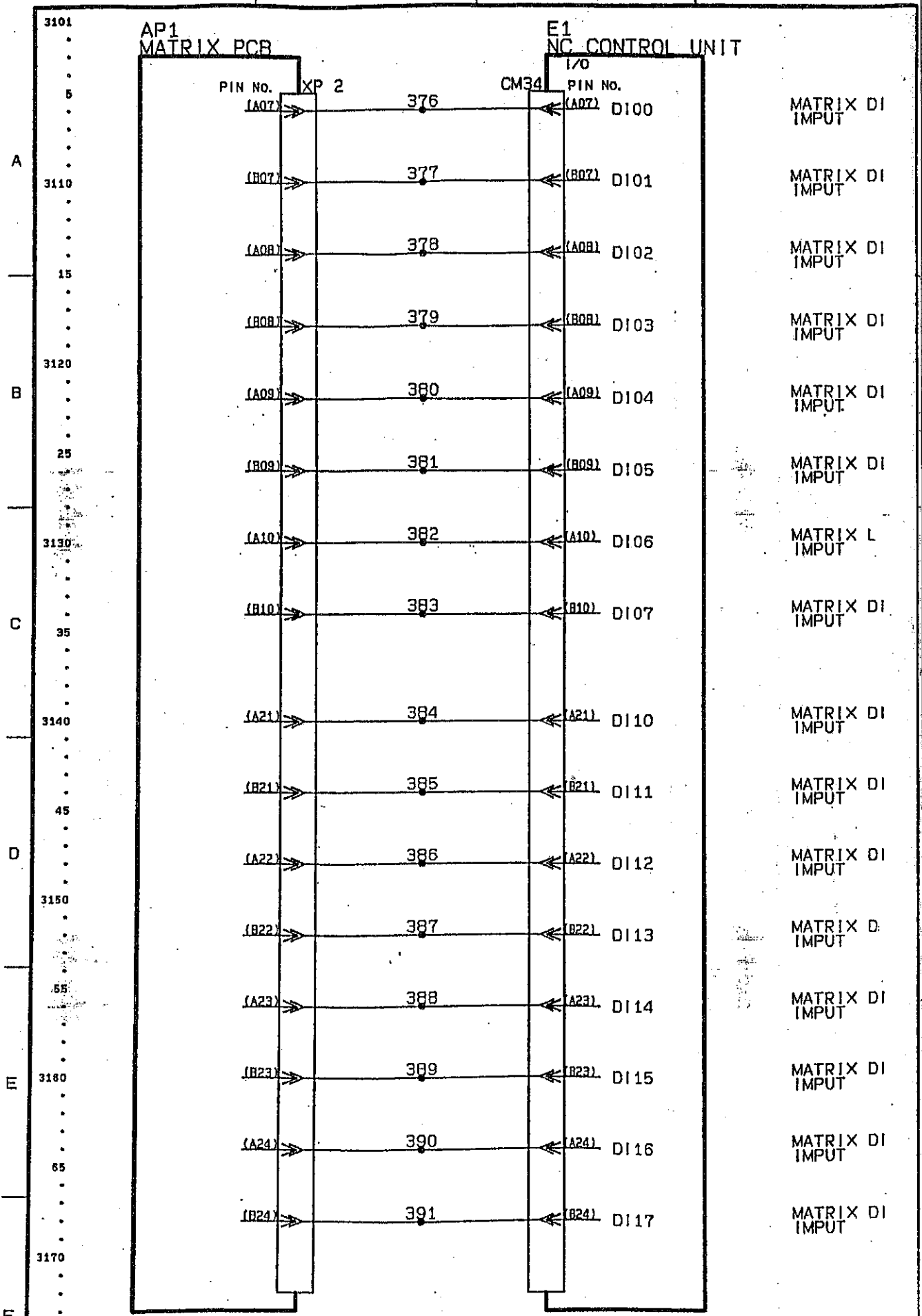
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承認 APPROVED	検図 CHECKED	設計 DESIGNED	製図 DRAWN	第二図番 PRIMARY DWG. NO. 505EL0662A3	形式 MODEL OGM-Series	名称 NAME SCHEMATIC DIAGRAM
		5942 KAMBE	5942 KAMBE	岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS, LTD.	分類コード C. CODE 3450	図番 DRAWING No. PAGE 28
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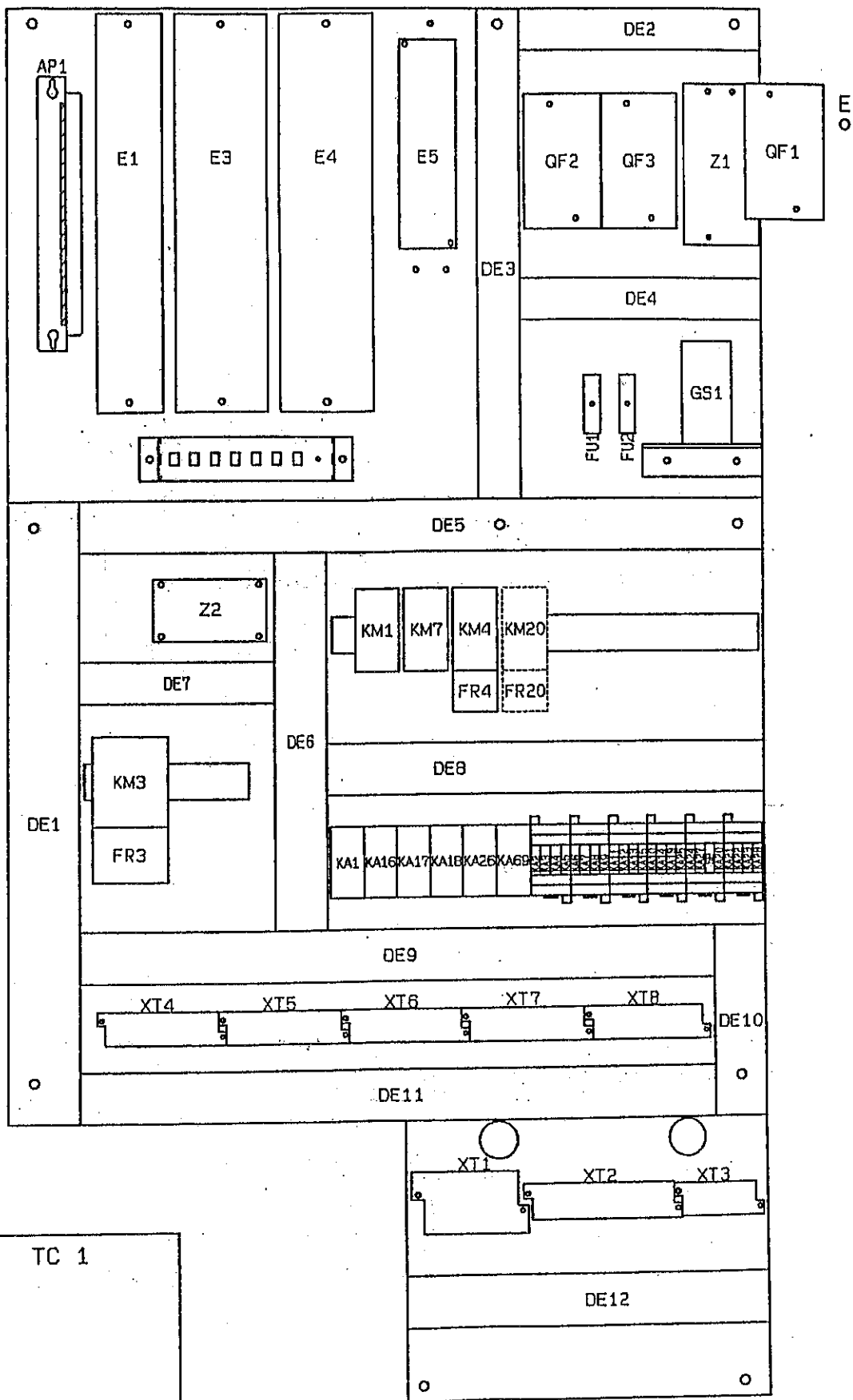


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		5942 KAMBE	5942 KAMBE	505EL0121B3	OGM-series	SCHEMATIC DIAGRAM
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	5942 KAMBE	5942 KAMBE	5510 MATSUYAMA	505EL0214C3	OGM-Series	INSTALLATION DRAWING (CONTROL ENCLOSURE)
960905	940318	960905		岡本工作機械製作所 OKAMOTO-MACHINE TOOL WORKS, LTD.	分組コード C. CODE 3490	図番 DRAWING NO. PAGE 32

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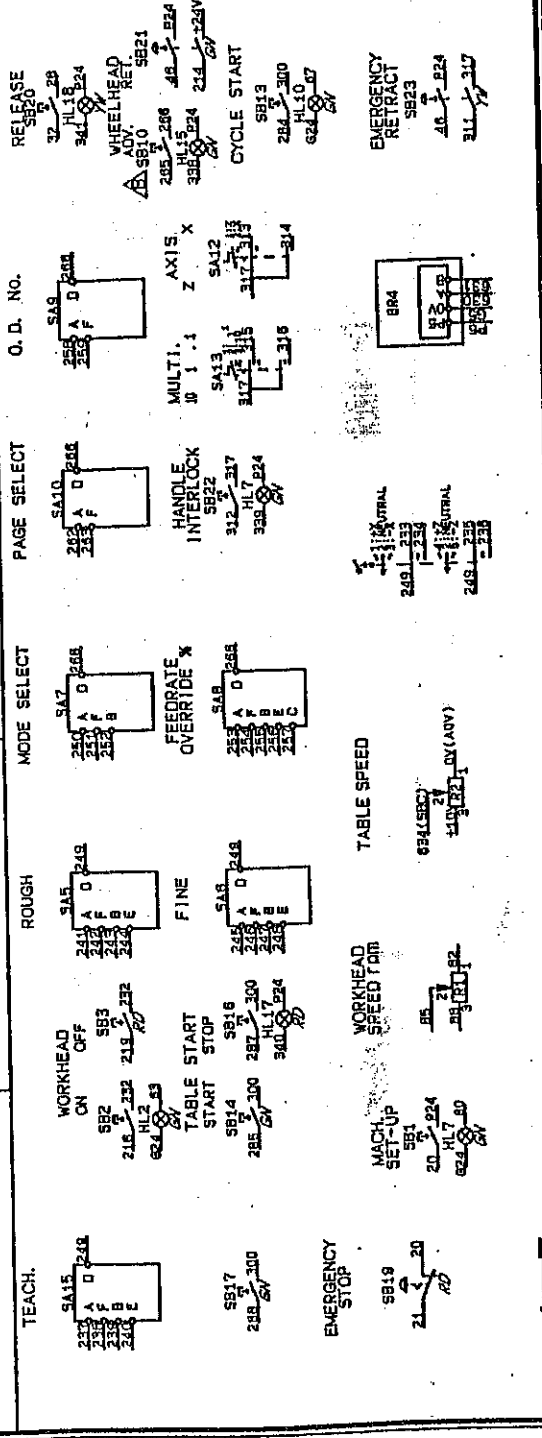
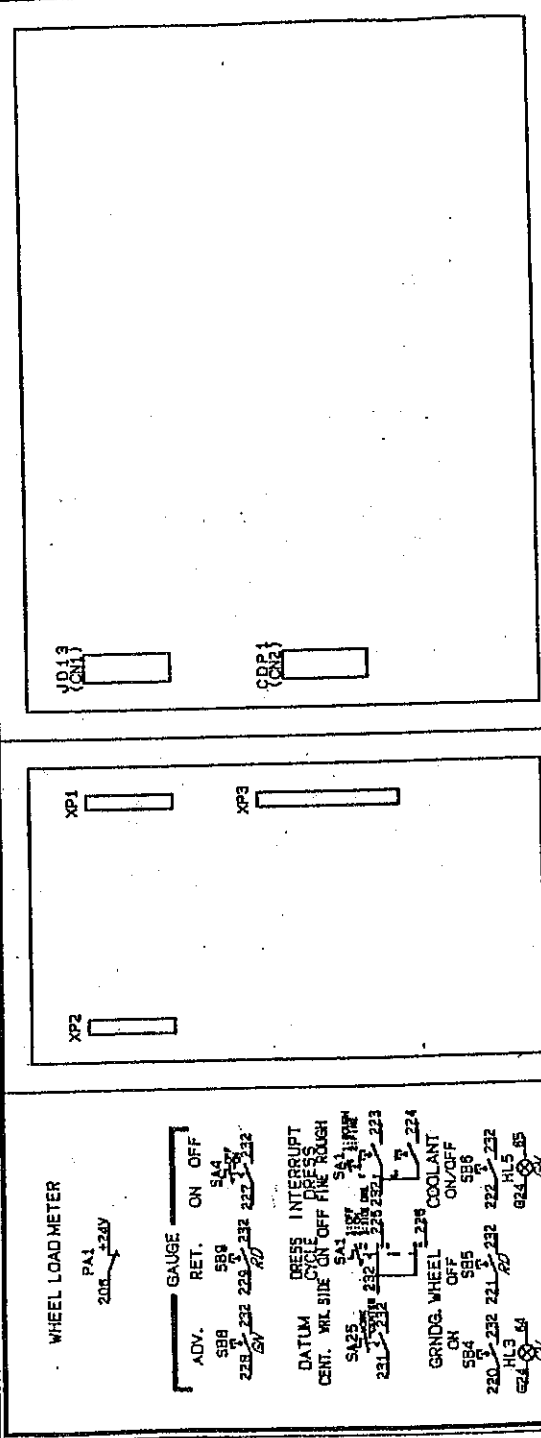
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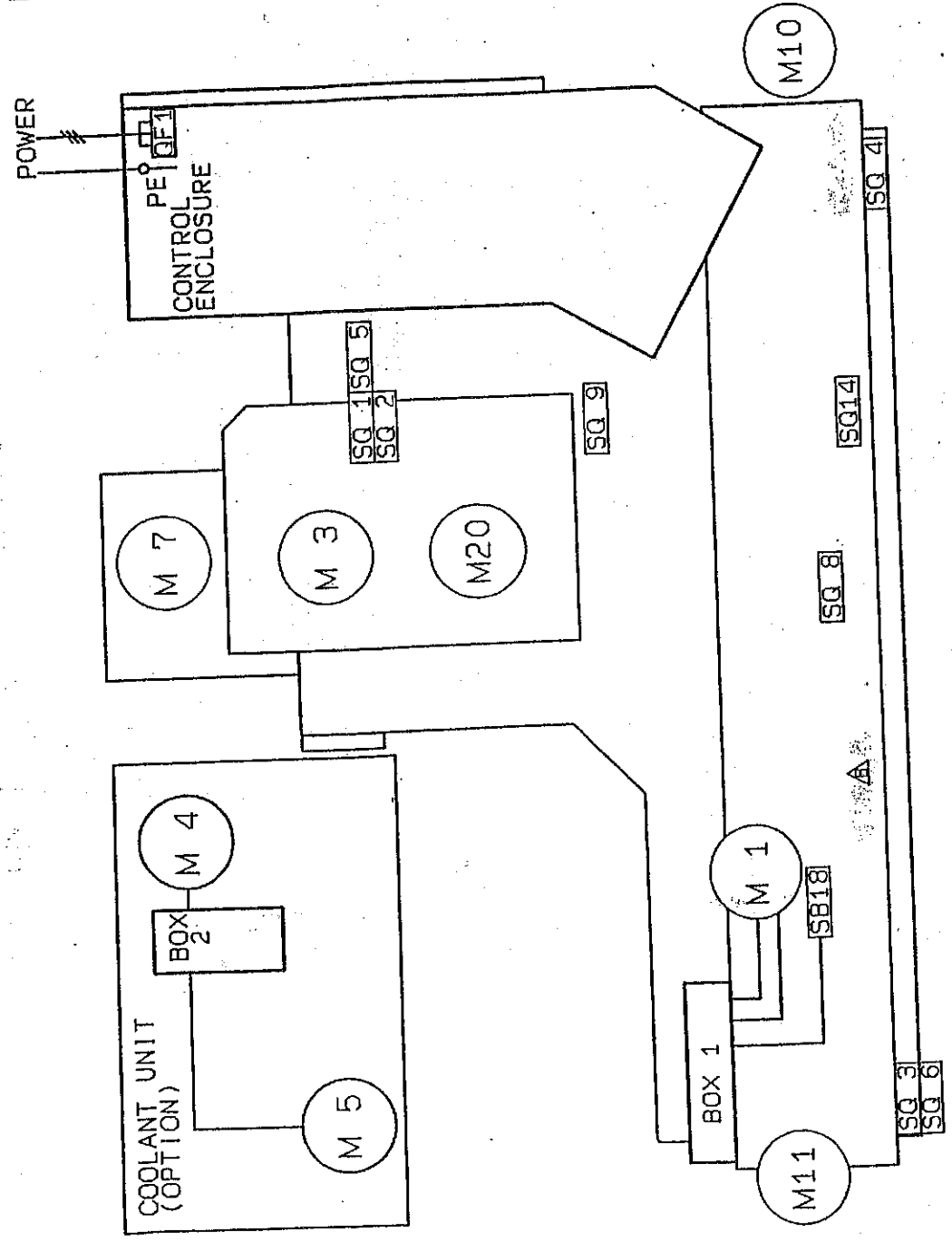
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		5942 KAMBE	5942 KAMBE	505EL0664B3	OGM-Series	INTERCONNECTION DIAGRAM (CONTROL PANEL)
				岡本工作機械製作所	分類コード C CODE	図番 DRAWING NO.
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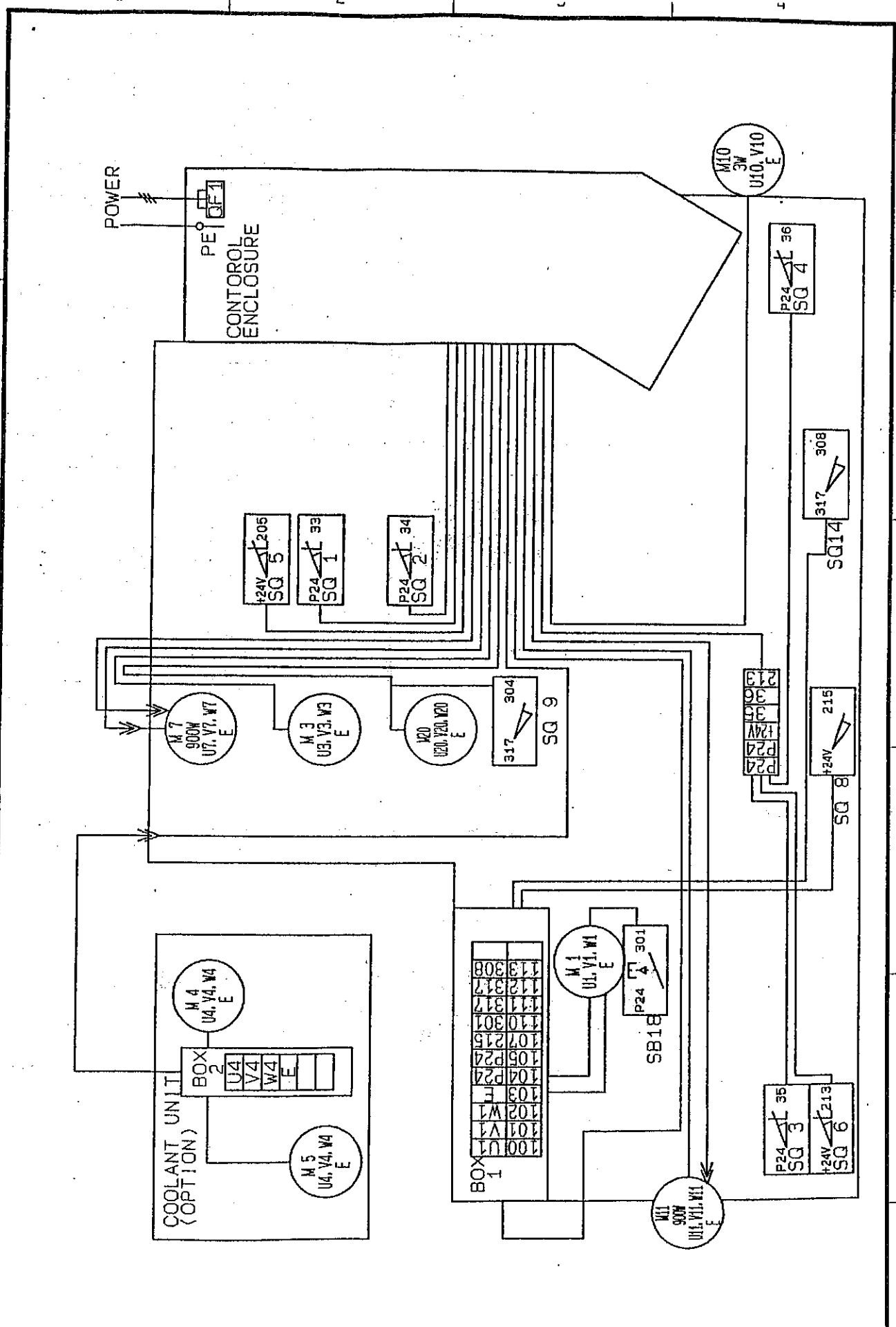
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機番符号	機番名称	備考
M 1	WORKHEAD	
M 3	GRNDG. WHEEL	
M 4	COOLANT	OPTION
M 5	MAG. SEPARATOR	OPTION
M 7	X-AXIS	
M10	LUBRICATION	
M11	Z-AXIS	
M20	ID WHEEL	OPTION
SQ 1	OVERTRAVEL +X	
SQ 2	OVERTRAVEL -X	
SQ 3	OVERTRAVEL +Z	
SQ 4	OVERTRAVEL -Z	
SQ 5	REFERENCE RETURN (X)	
SQ 6	REFERENCE RETURN (Z)	
SQ 8	GAUGE BACK END	OPTION
SQ 9	ID INTERLOCK	OPTION
SQ14	DOOR CLOSE	OPTION
SB18	WORKHEAD JOG	
SB22	HANDLE INTERLOCK	
SB23	EMERGENCY RETRACT	

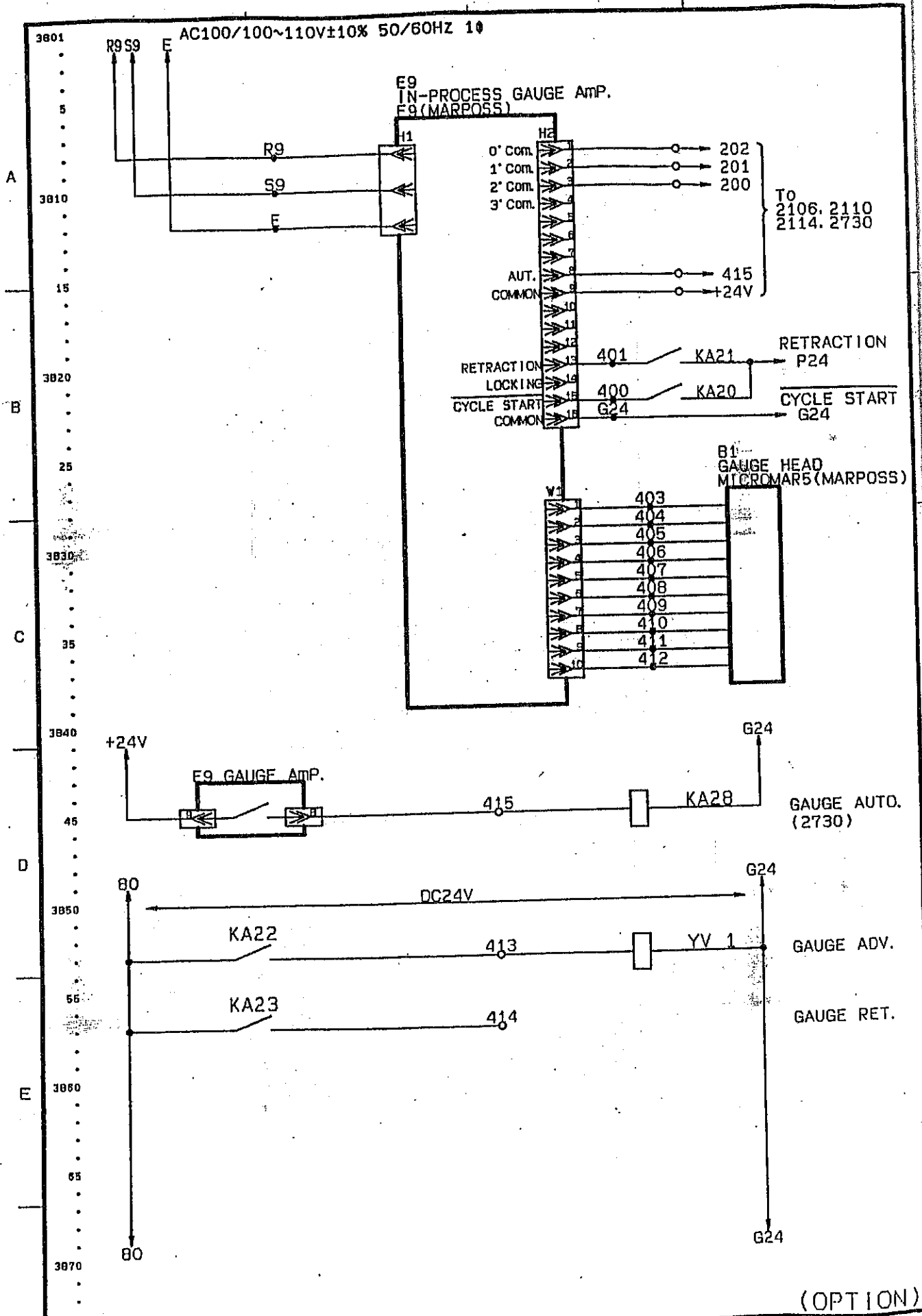


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岡本工作機械製作所				分類コード	図番	DRAWING No.
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承認 APPROVED	検図 CHECKED	設計 DESIGNED	製図 DRAWN	第二図時 PRIMARY DWG. NO.	形式 MODEL	名称 NAME
		5942 KAMBE	5942 KAMBE	505EL0667A3	OGM-Series	INTERCONNECTION DIAGRAM
				岡本工作機械製作所 OKAMOTO MACHINE TOOL WORKS LTD.	分類コード C.CODE 2510	図番 DRAWING NO.
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(OPTION)

承認 APPROVED	検図 CHECKED	設計 DESIGNED	製図 DRAWN	第一図計 PRIMARY DWG. No.	形式 MODEL	名付 NAME
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		KAMBE	KAMBE	岡本工作機械製作所	分組コード C. CODE	DRAWING No. 頁 PAGE
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11. HOW TO SET THE WHEEL

11-1 Notes on Grinding Wheel

In grinding machines, wheels are used by running at high speeds and therefore great care must be given to their handling. A little your careless mistakes may cause damage to the wheel, and in some cases, this will lead to a serious accident. So always try to care much about correct handling of grinding wheels.

- NOTES
- Before mounting the grinding wheel to the wheel flange, check its appearance, and then carefully check the surface all through for inversely affecting damage and crack due to handling.
 - Slightly hit on the face side of the grinding wheel using a wooden hammer to check for clear sound. If there is a crack or break, an unclear sound will be emitted, so that, do not use such wheels. ▶ See Fig. 11-1.
 - Be certain that a label showing the wheel specifications is attached on both face sides of the wheel.

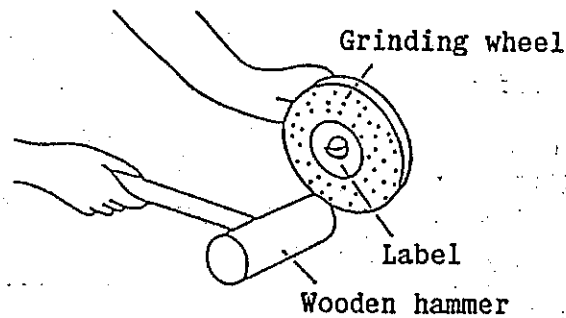


Fig. 11-1 Appearance Check of the Wheel

1. Mounting the wheel flange

- 1) Check the taper hole and wheel clamp face of the wheel flange for nick or gouge and adhesion of dust.
- 2) Assemble a wheel flange unit as shown in Fig. 11-2, except the balance piece. For fastening screws, try and tighten them diagonally by turns.

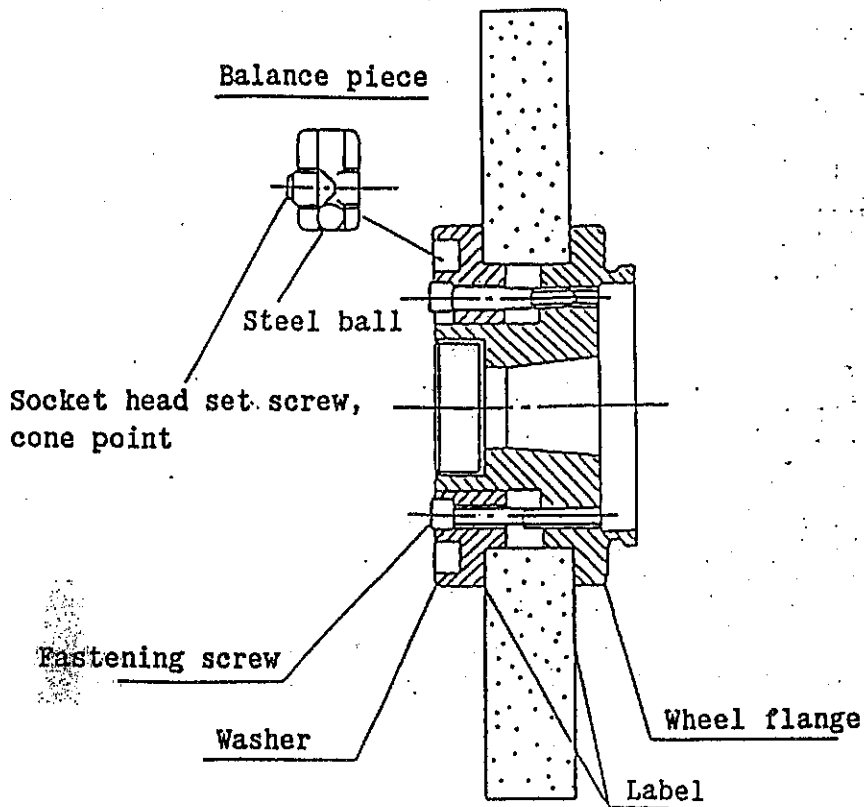


Fig. 11-2 Assembly of Wheel Flange Unit

2. Mounting the wheel flange unit onto the wheel spindle

- 1) Clean up the tapered portion of the wheel spindle to remove all dust. Screw the fastening nut as shown in Fig. 11-3 (left-handed thread, turns counterclockwise).
- 2) Put the wrench on the notch of the nut, and slightly hit thereon with a wooden hammer.

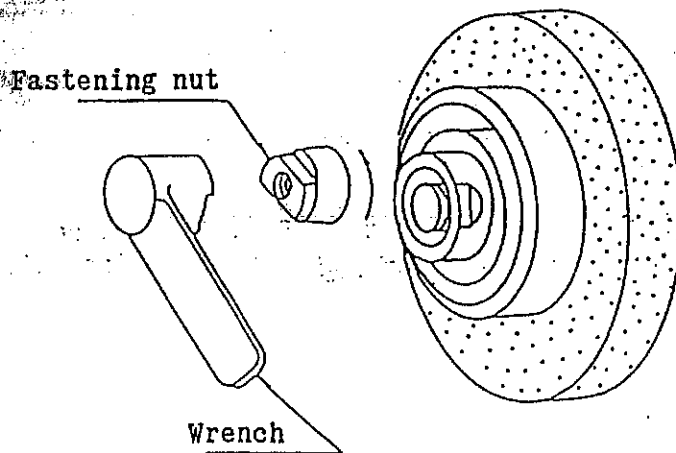


Fig. 11-3 Mounting onto the Wheel Spindle

3. Dismounting the wheel flange unit from the wheel spindle

- 1) Place the wrench on the fastening nut, slightly hit it clockwise to loosen and remove the nut. ▶ See Fig. 11-3.
- 2) Set the extraction nut to the screw thread of the wheel flange, and screw it clockwise until coming in contact with the tip of the spindle thread. ▶ See Fig. 11-4.
- 3) Put the wrench on the notch of the nut, and slightly hit thereon to remove the flange unit from the spindle taper.

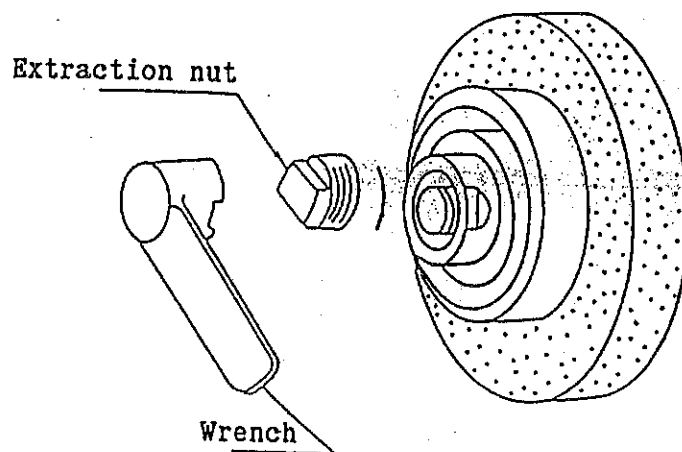


Fig. 11-4 Dismounting from the wheel spindle

4. Test run upon mounted the wheel

- 1) When running the spindle after mounting the wheel, the wheel cover must be closed.

NOTES - When starting the spindle, to provide against an unexpected wheel breakage, do not stand toward the direction wherein it will scatter.

- Turn the driving switch to ON and OFF several times, not to ON at once, so that the wheel spindle may increase speed.

- 2) The wheel should be idled for more than 3 minutes, and check the its face side for run-out and the machine for vibration noise during this time.

NOTE: The wheels must be idled for more than 3 minutes when mounted new ones, and even for used ones, for more than 1 minute.

11-2 How to Adjust the Balance

The wheel must be balanced. If this should not occur, chatter marking will be left on the ground surface, and machine accuracy and function will also be affected, vibrating the machine. To adjust the balance for the wheel unit mounted to the flange, the balancer and special arbor as shown below are provided as options.

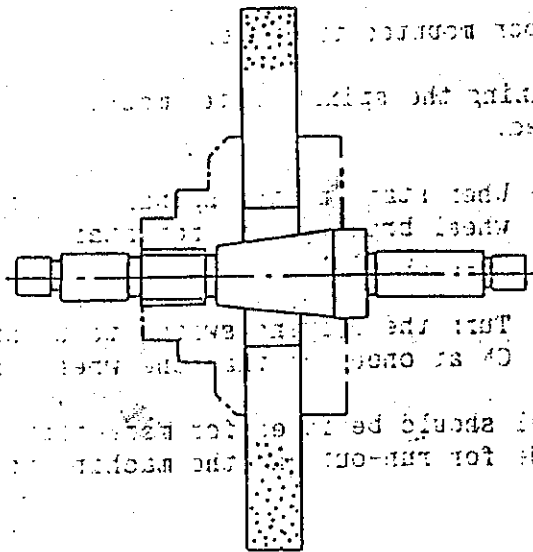
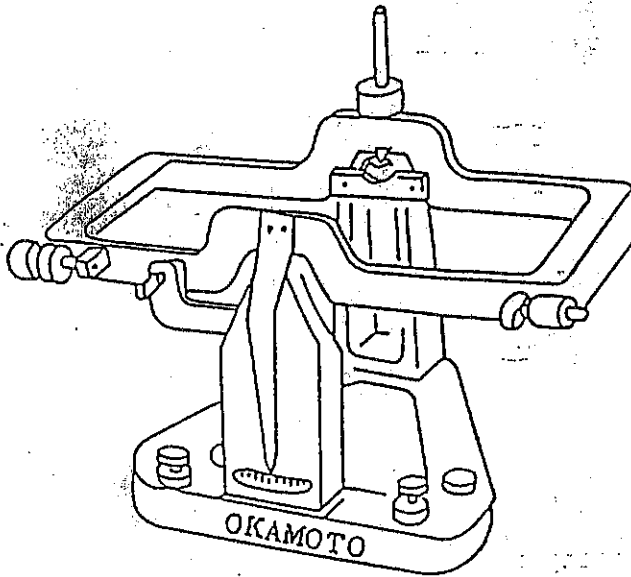
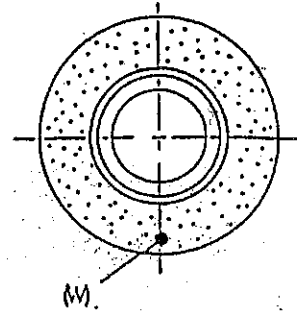
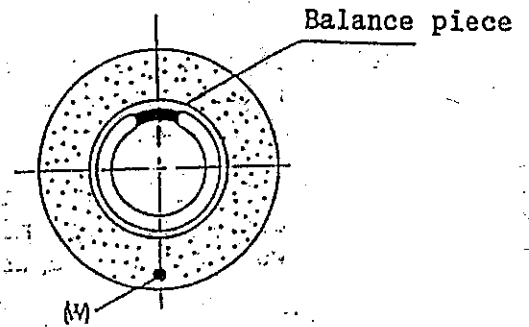


Fig. 11-5 Balancer and Special Arbor

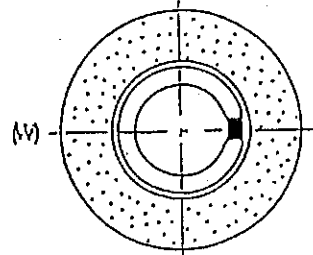
- (1) Install the balance on the sturdy surface plate where is not exposed wind.
- (2) Mount the wheel to the wheel flange - leave balance pieces removed.
- (3) Mount the flange unit, and carry out dressing until run-out of its circumference has been eliminated.
- (4) Remove the wheel flange from the wheel spindle, and put it into the arbor to set them on the balancer.
- (5) The most heaviest portion will be oriented down, then put a mark on that point (W) with a chalk, etc.



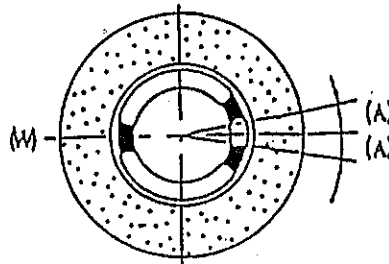
- (6) Fit a balance piece on the position opposed to W.



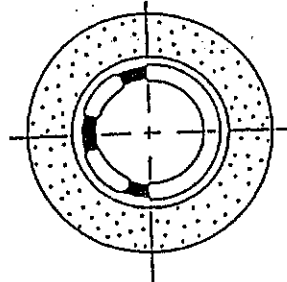
- (7) Tilt the wheel flange by 90° to check to see which side is heavier, side fitted the balance piece or side of W.



- (8) If the side of W is heavier, fit two balance pieces to adjust so that the angle (A) will be the same as the unbalanced amount as shown below.



- (9) If the of W is lighter, fit them as shown below.



- (10) Change the position of the flange unit at angular intervals of 90° to check for balance.

NOTES - It is necessary to check the balance as the outside diameter becomes small, due to the structural change, even if well adjusted at the beginning.

- After using with the coolant, it is necessary to run the machine dryly for a few minutes to well remove the coolant, and then to work out the adjustment.

- The balancer requires a good sensitivity, so that, check its sensitivity in normal use and it is essential to make repairs if it becomes wrong.

11-3 Dressing and Truing

At the time mounted a new wheel, its circumference is slightly eccentric. The operation to restore correct cylindrical surface for that using a diamond tool is called truing. In addition, the operation to build sharp cutting edges anew using a diamond tool, when the sharpness of the wheel was lowered as a result of dulling and loading due to grinding, is called dressing. In most cases, these two are together called dressing in general, so that, we also call them dressing here.

1) Mounting the dresser

The diamond tool is mounted at a bevel angle of 5° to 10° as viewed from the wheel side, or 15° to 20° as viewed from the wheel top. If the diamond wears due to the repeated dressing, turn the diamond tool so that its sharp face may come in contact with the wheel. This enables you to always keep the tip of the diamond tool sharp. Dressing by the worn diamond will lower the grinding efficiency, causing dulling or glazing to the wheel surface.

2) Dressing conditions

The infeed amount of the diamond tool is to be $\phi 0.0004$ to $\phi 0.0008$ inches. As to the infeed speed, it is necessary to select the proper value according to the grinding roughness and efficiency. In general, it is to be 0.016 inches (rough grinding) to 0.004 inches (fine grinding) every time a wheel turn is completed. Continue dressing until emitting a continuous sound over the wheel surface. ▶ See Table 11-1.

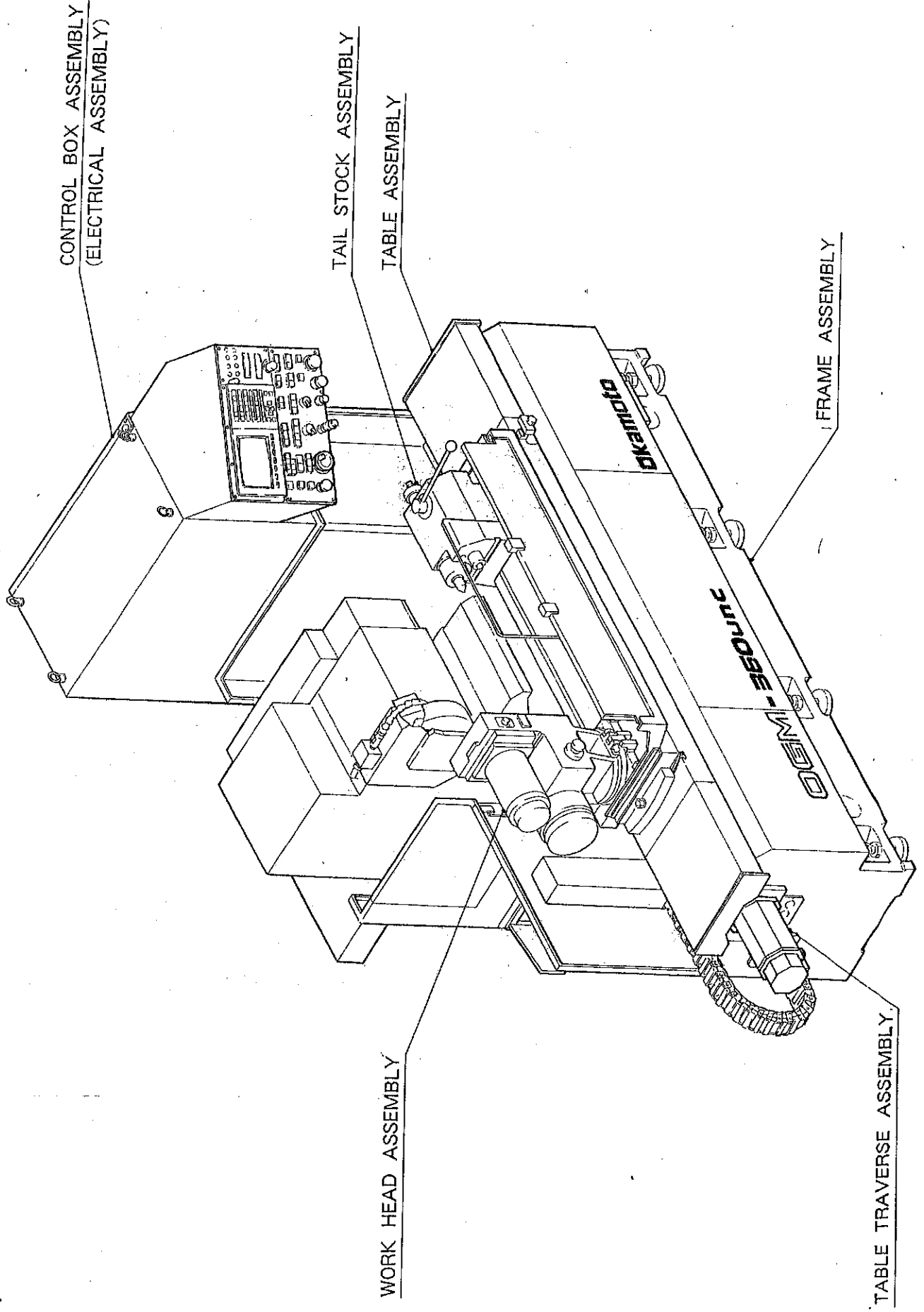
Table 11-3 Dressing (Reference Values)

Dressing	Infeed speed	Infeed amount	No. of infeed times	No. of spark out times
Rough Grinding	200~500 mm/min	$\phi 0.01-0.02\text{mm}$	2 ~ 3	1 ~ 2
	7.9~20inch/min	$\phi 0.0004-$ $\phi 0.0008$ inch		
Fine Grinding	100~200 mm/min	$\phi 0.01-\phi 0.02\text{mm}$	2 ~ 3	1 ~ 2
	4~8 inch/min	$\phi 0.0002-$ $\phi 0.0004$ inch		

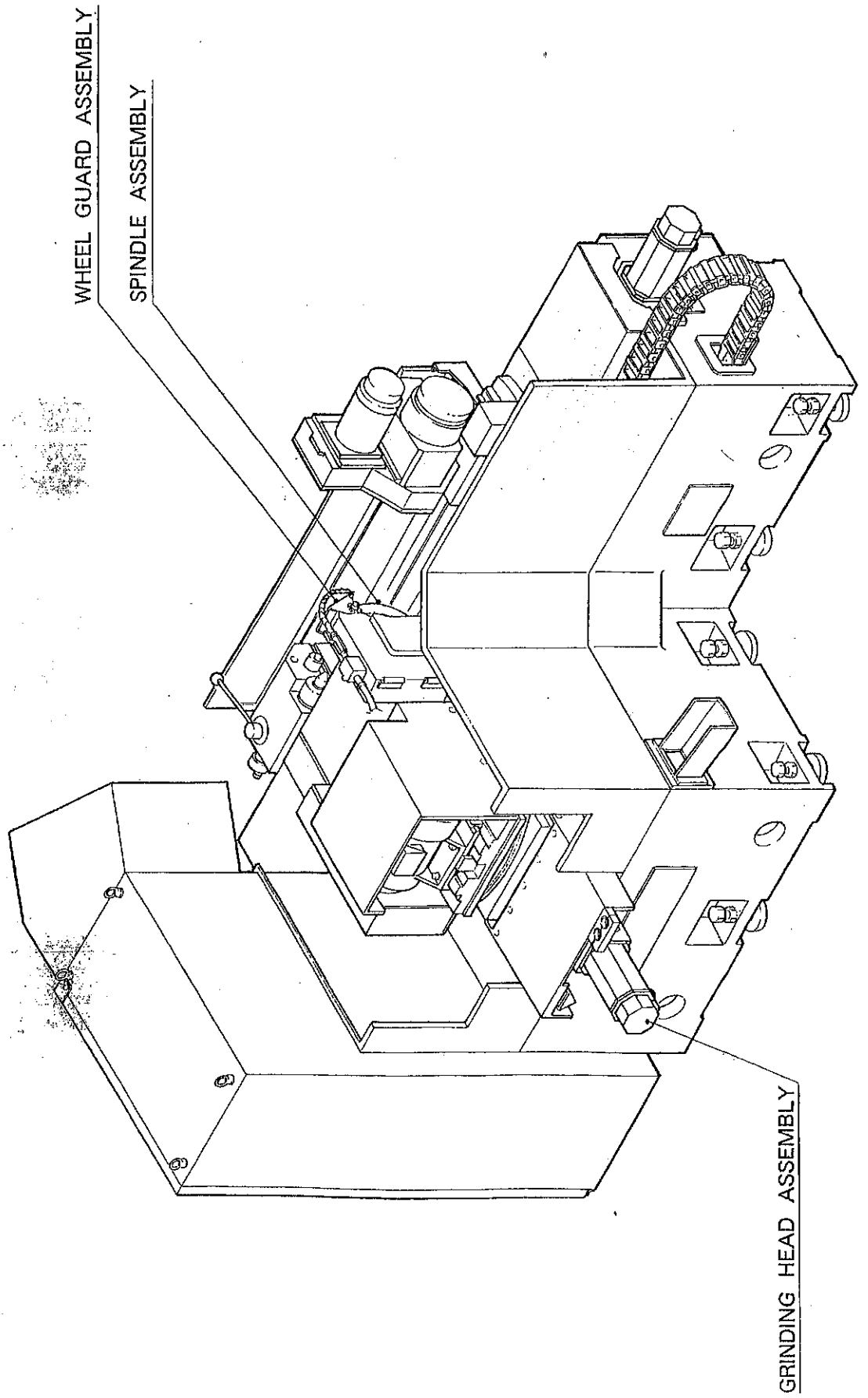
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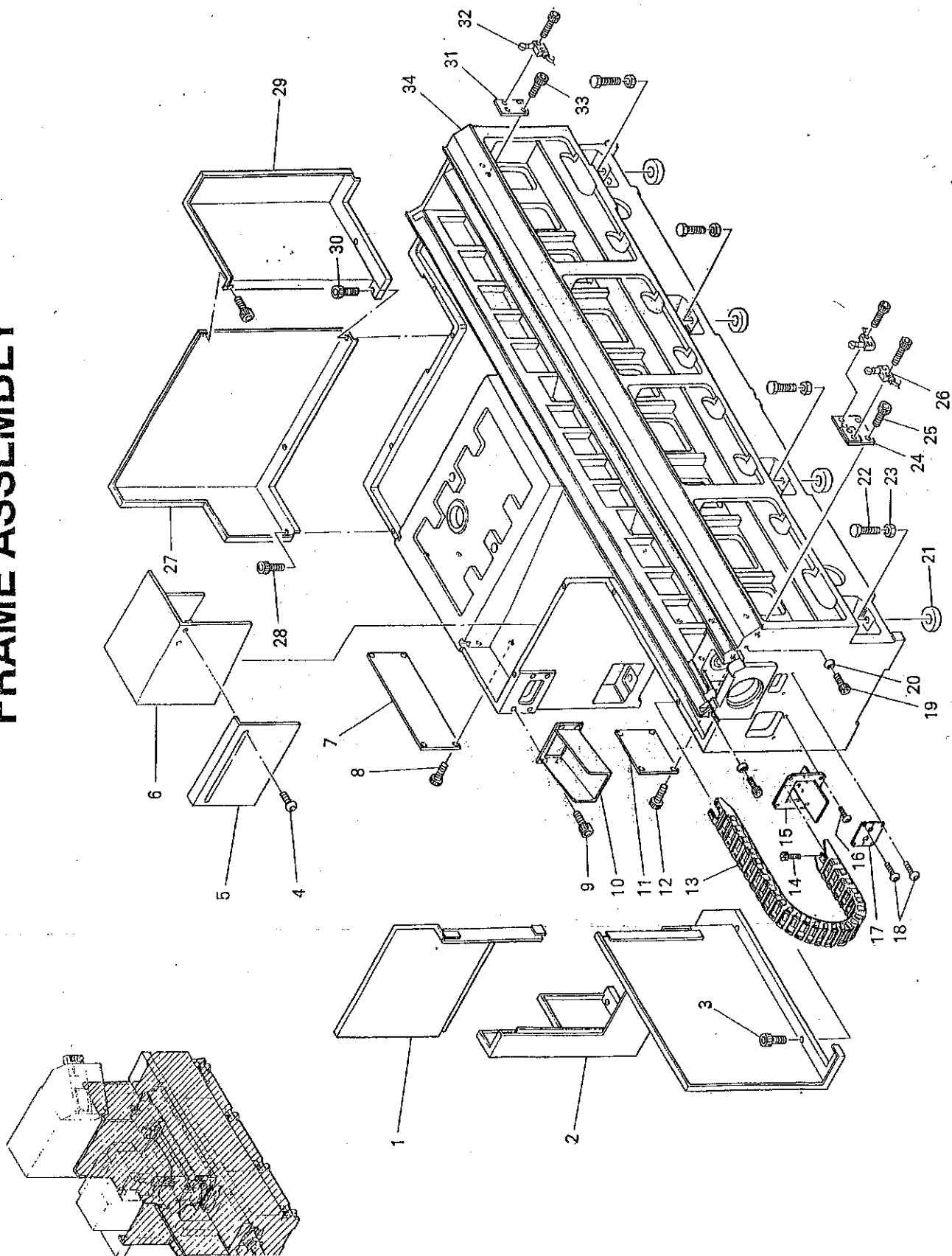
FRONT VIEW



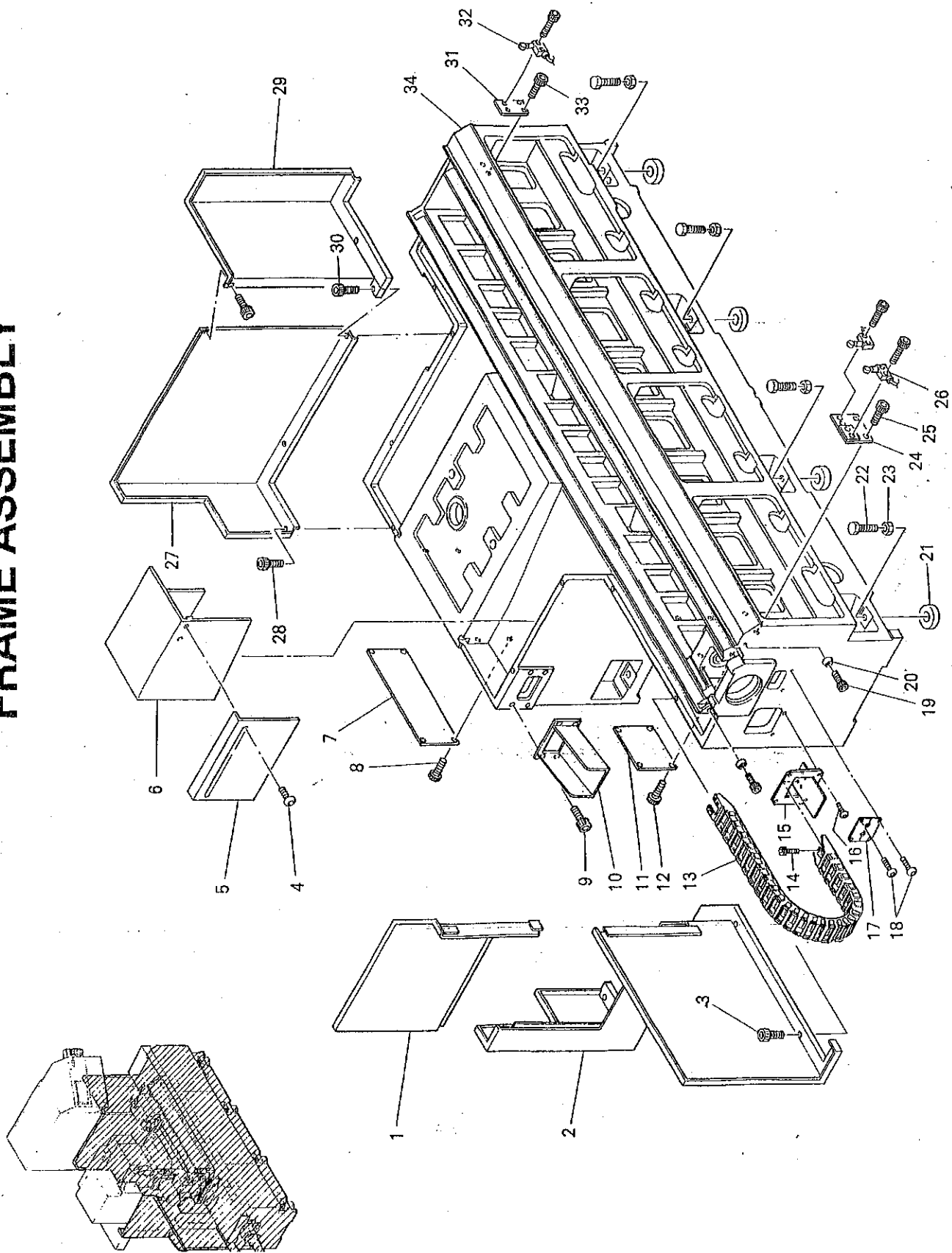
REAR VIEW



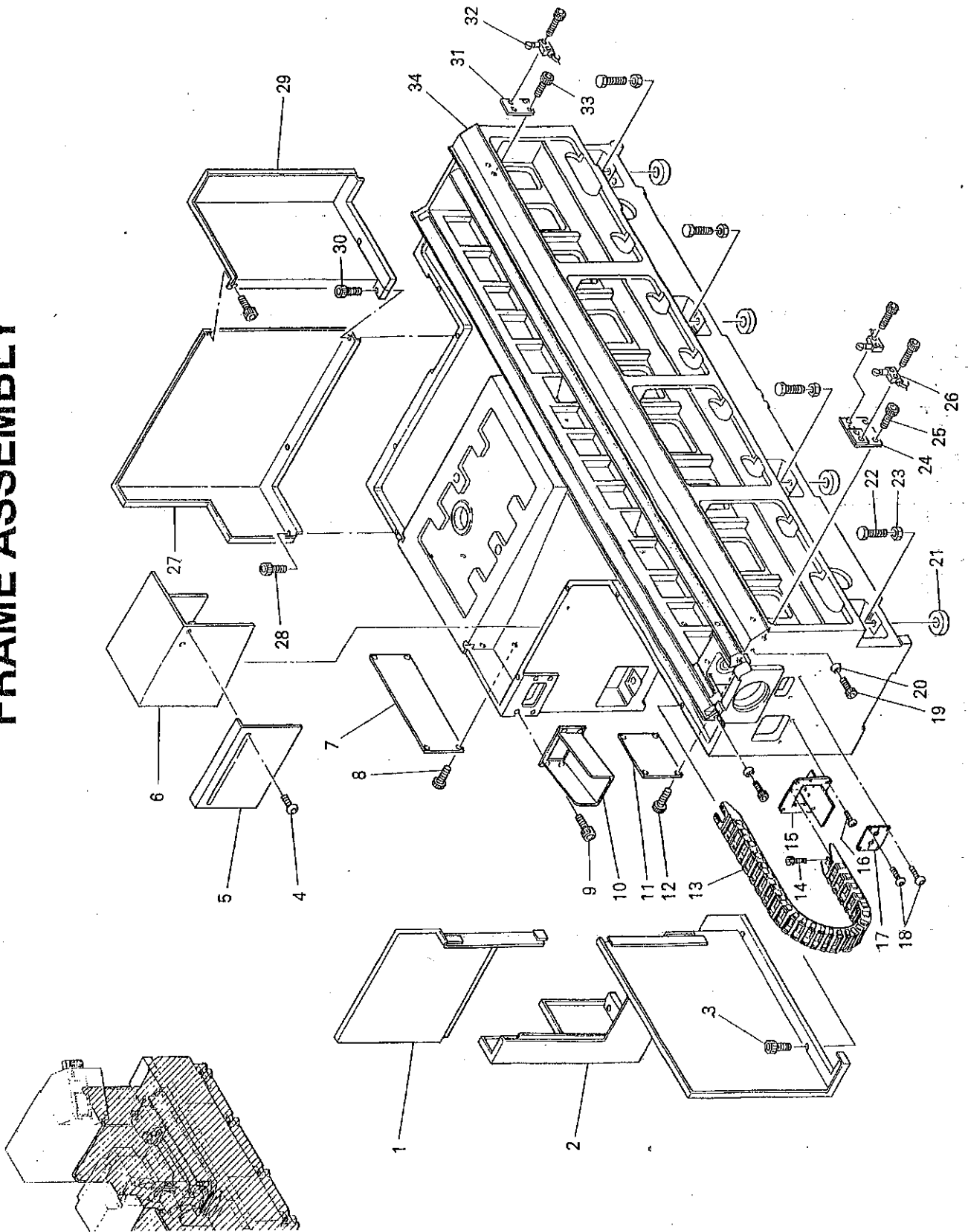
FRAME ASSEMBLY



FRAME ASSEMBLY



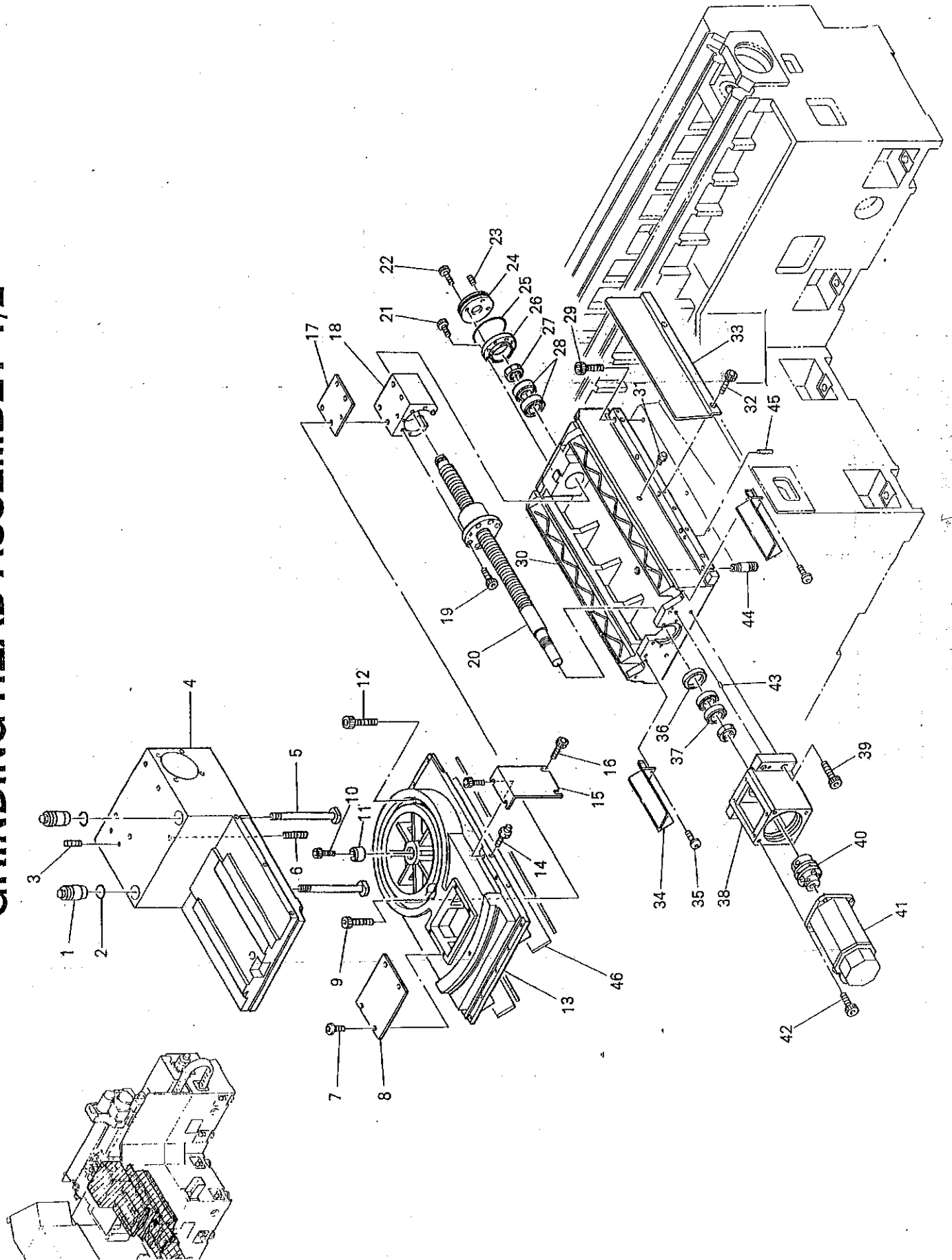
FRAME ASSEMBLY



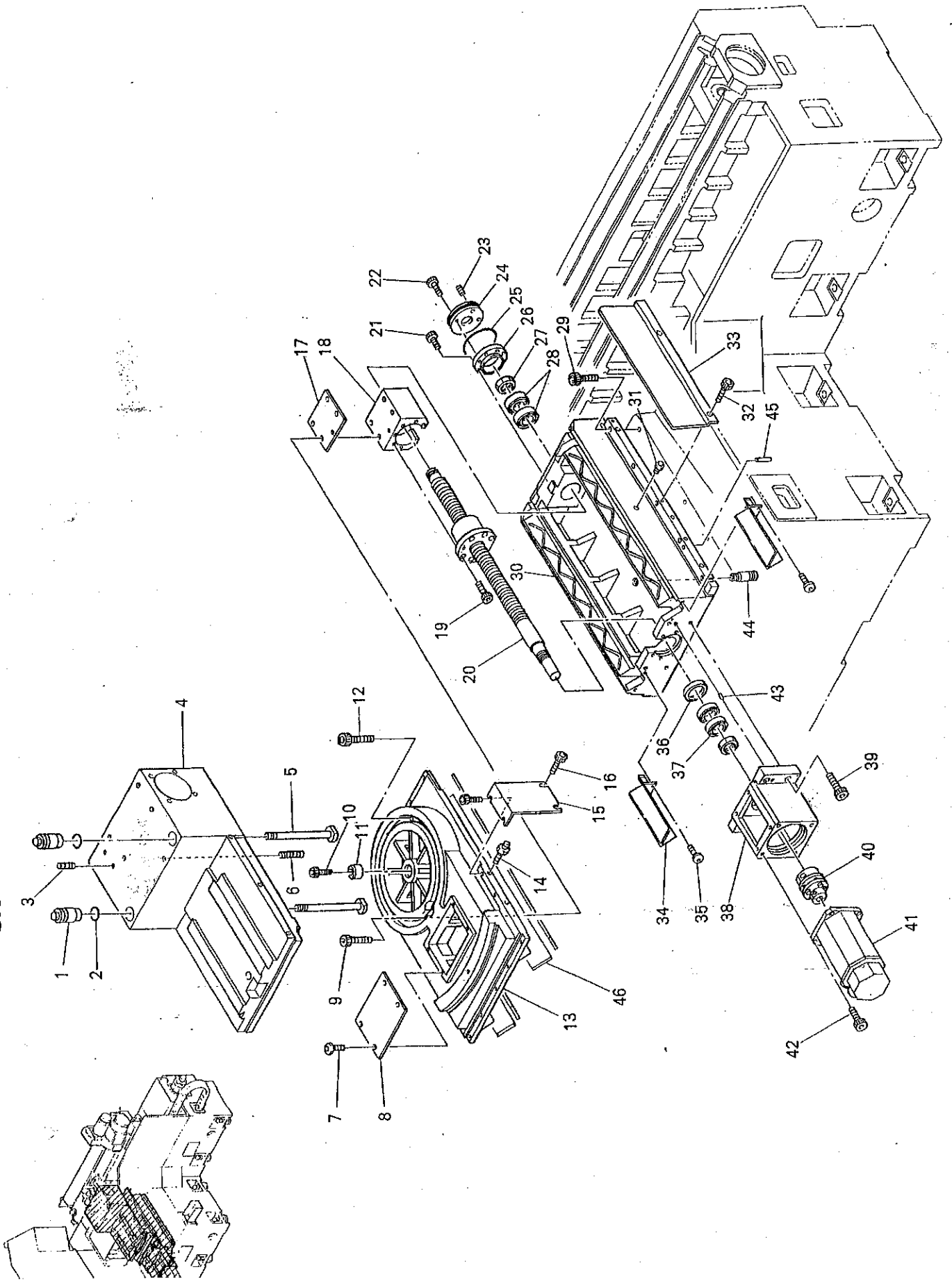
FRAME ASSEMBLY

NO.	PART CODE	PART NAME	Q'TY											
			340P 12-16P	360P 12-24P	3100P 12-40P	3160P 12-60P	340U 12-16U	360U 12-24U	3100U 12-40U	3160U 12-60U				
34	5050037G1	フレーム Frame	-	-	-	1	-	-	-	-	-	-	1	

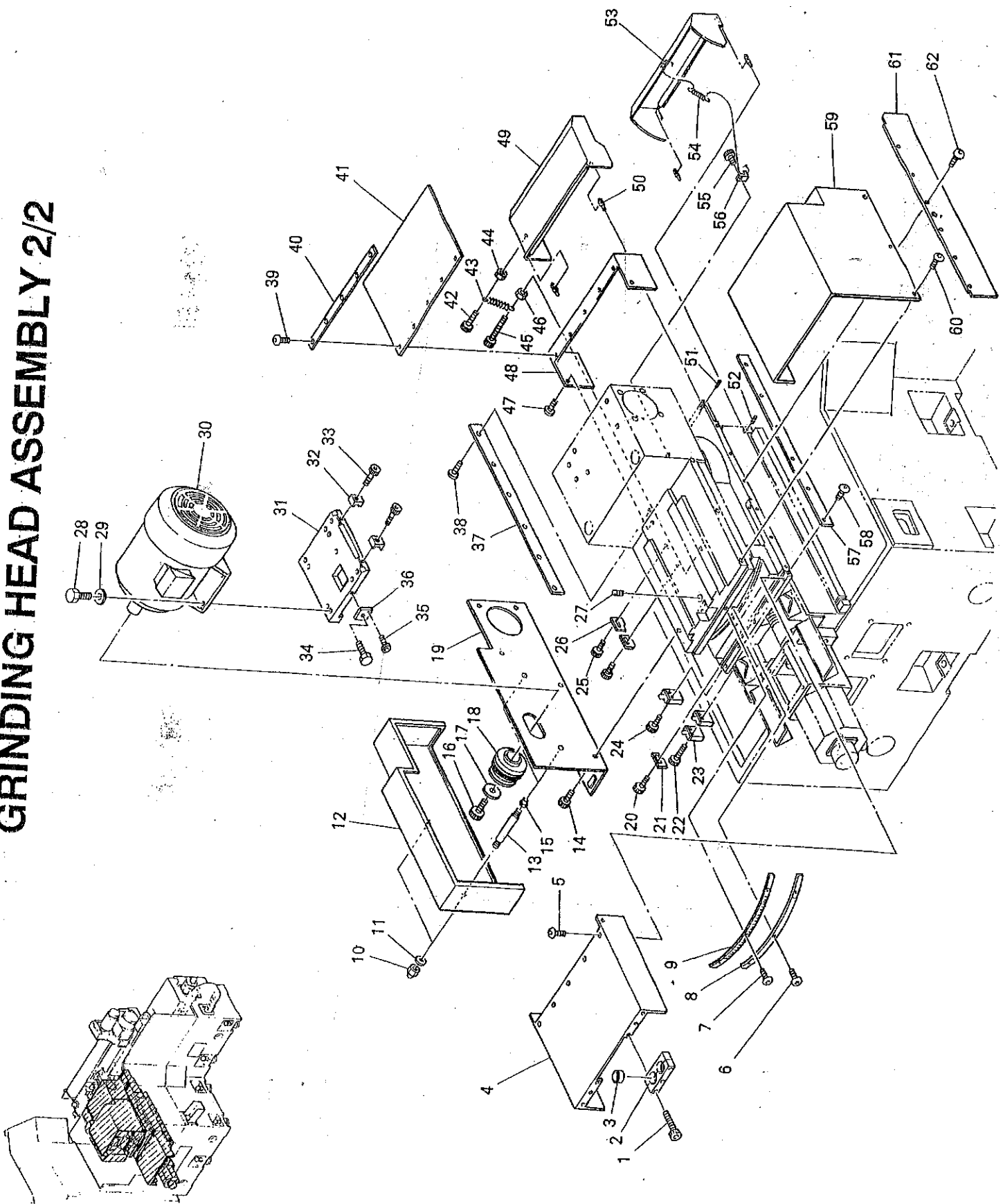
GRINDING HEAD ASSEMBLY 1/2



GRINDING HEAD ASSEMBLY 1/2



GRINDING HEAD ASSEMBLY 2/2



GRINDING HEAD ASSEMBLY 2/2

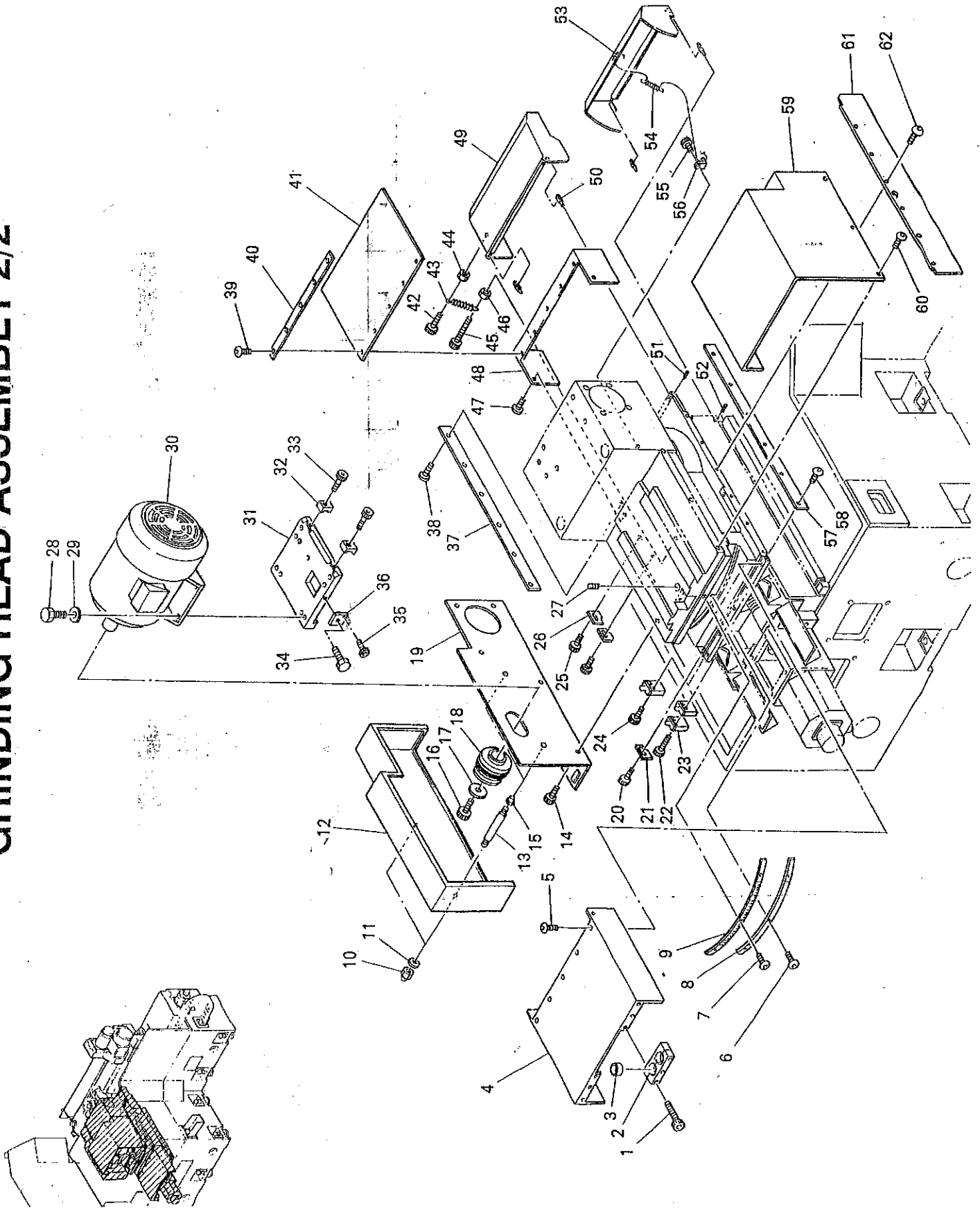


TABLE TRAVERSE ASSEMBLY

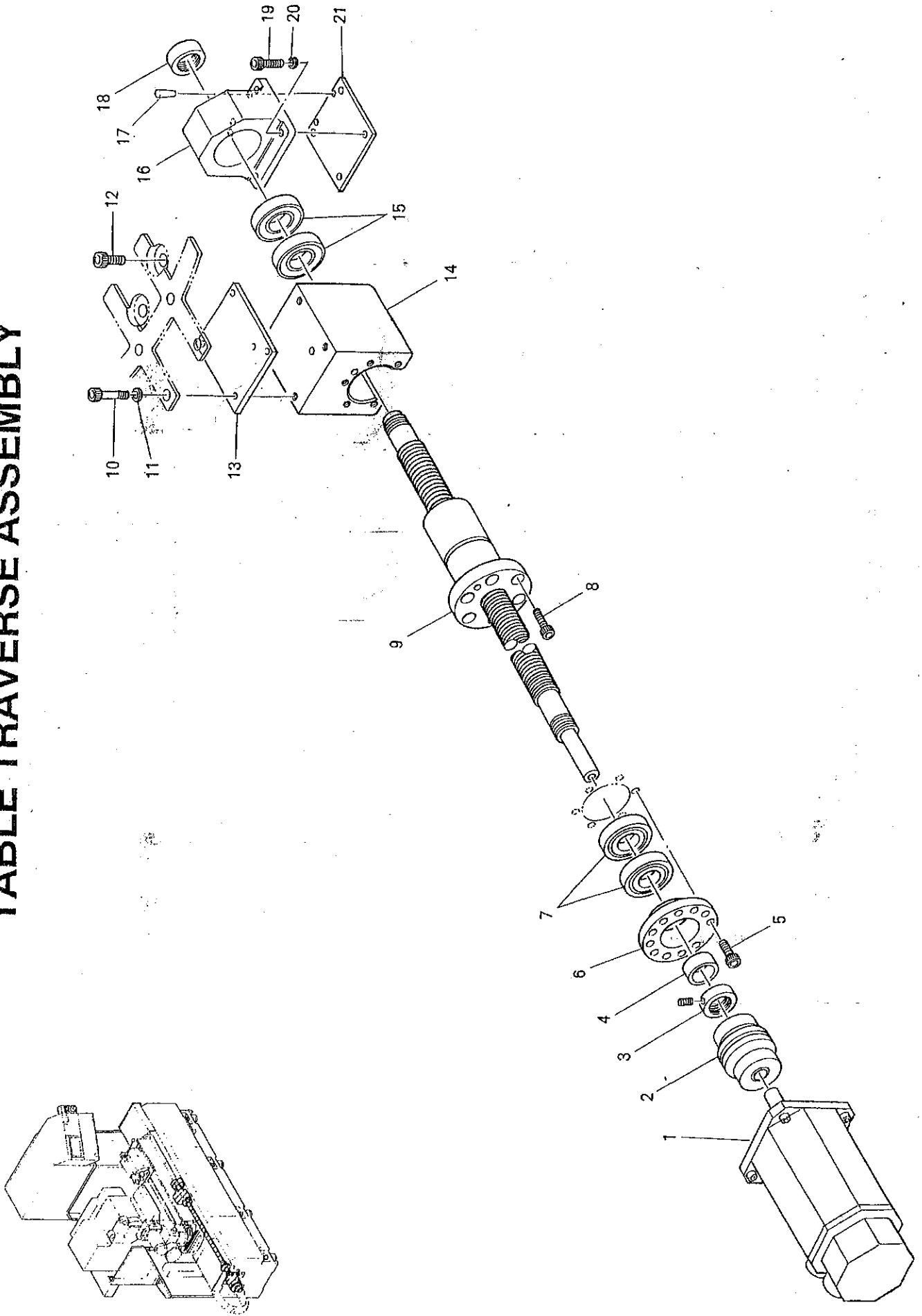
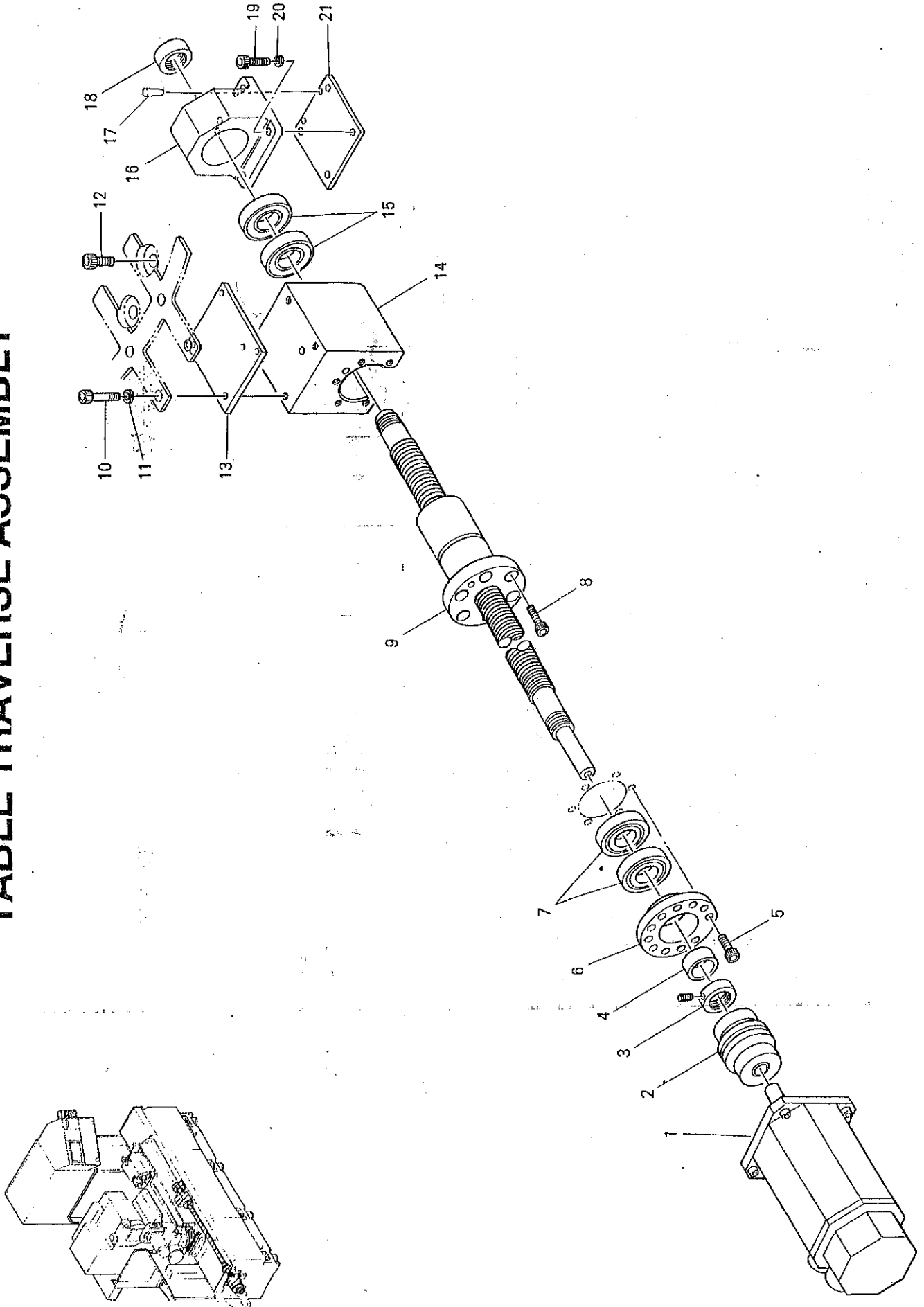
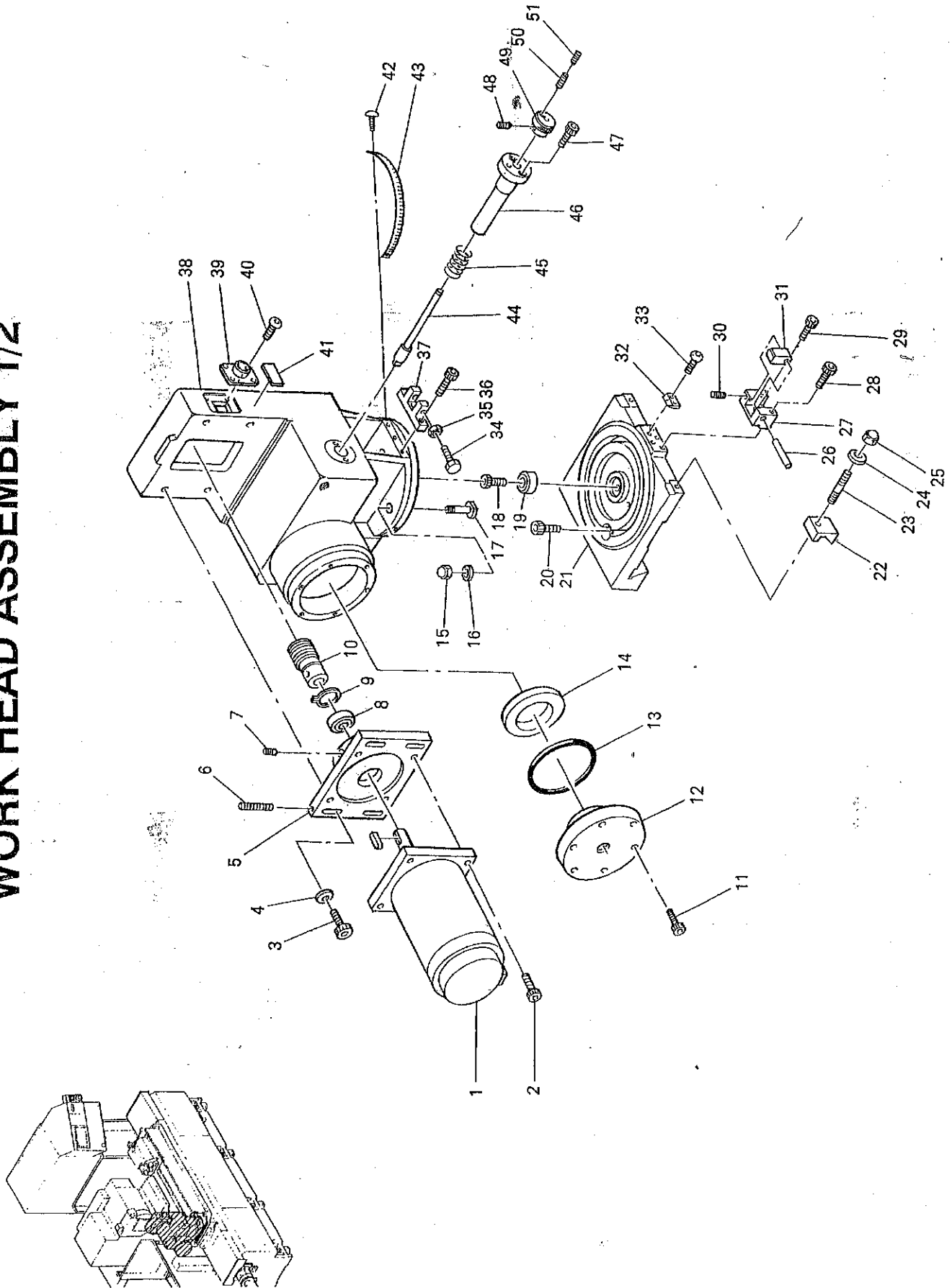


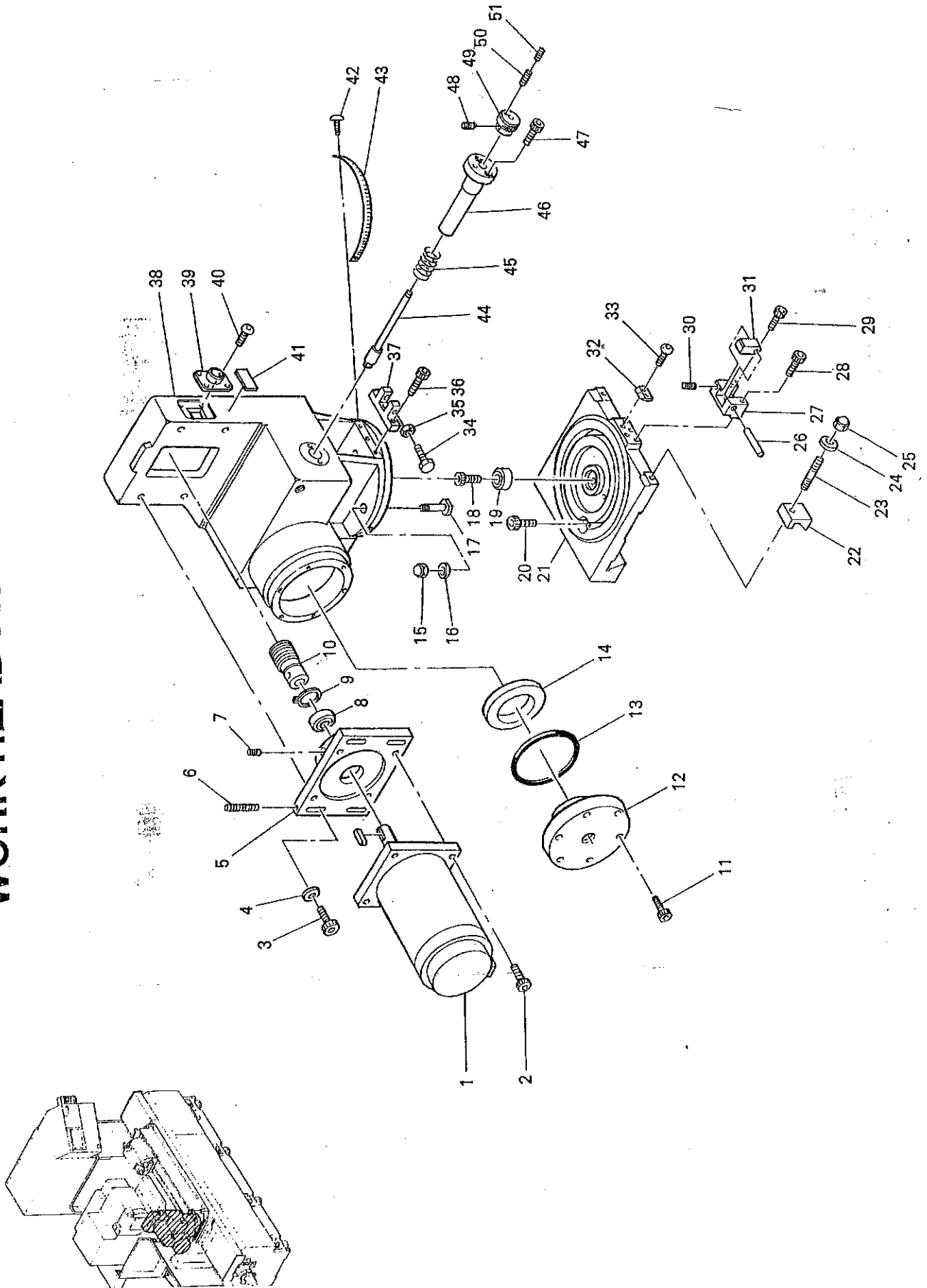
TABLE TRAVERSE ASSEMBLY



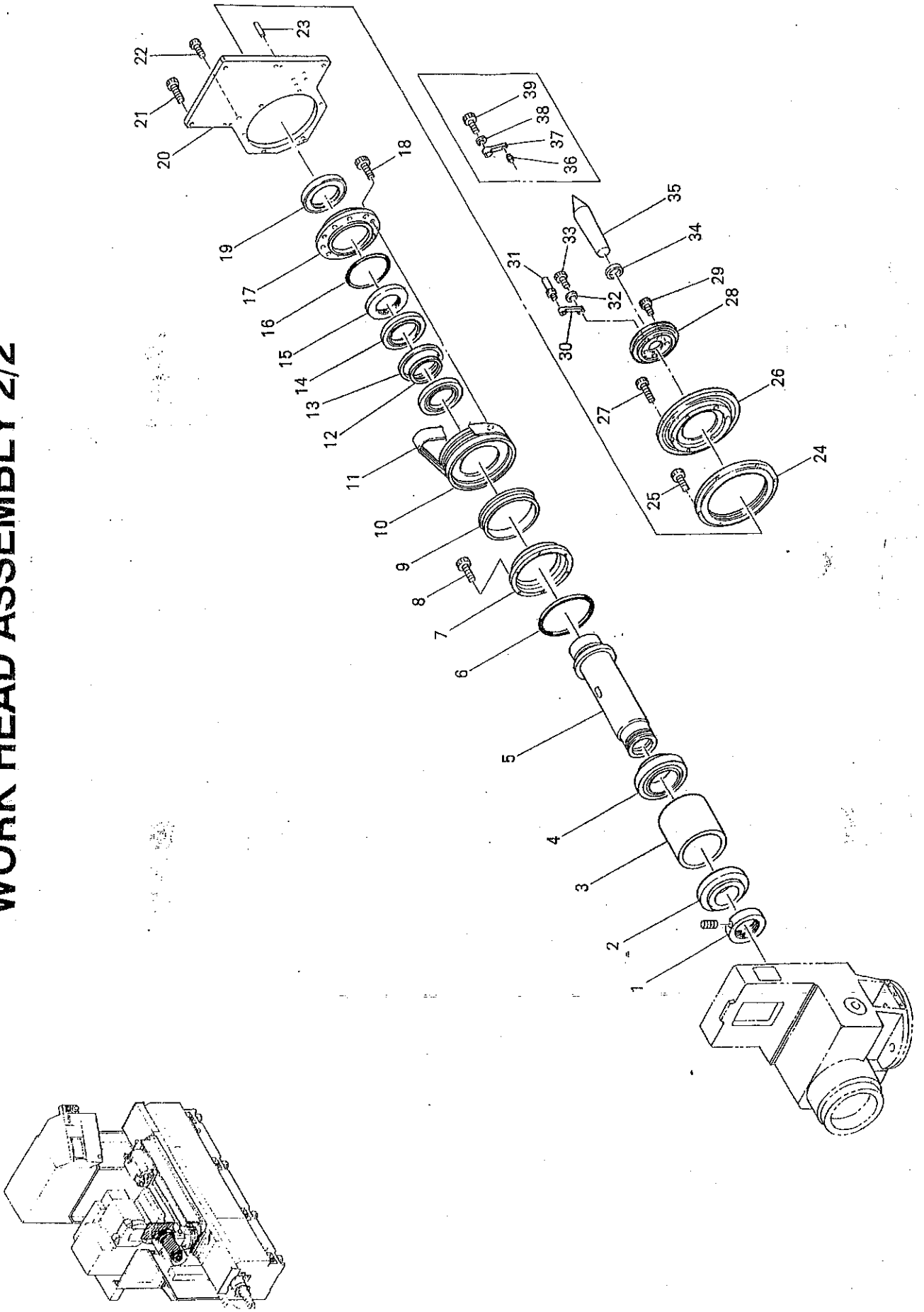
WORK HEAD ASSEMBLY 1/2



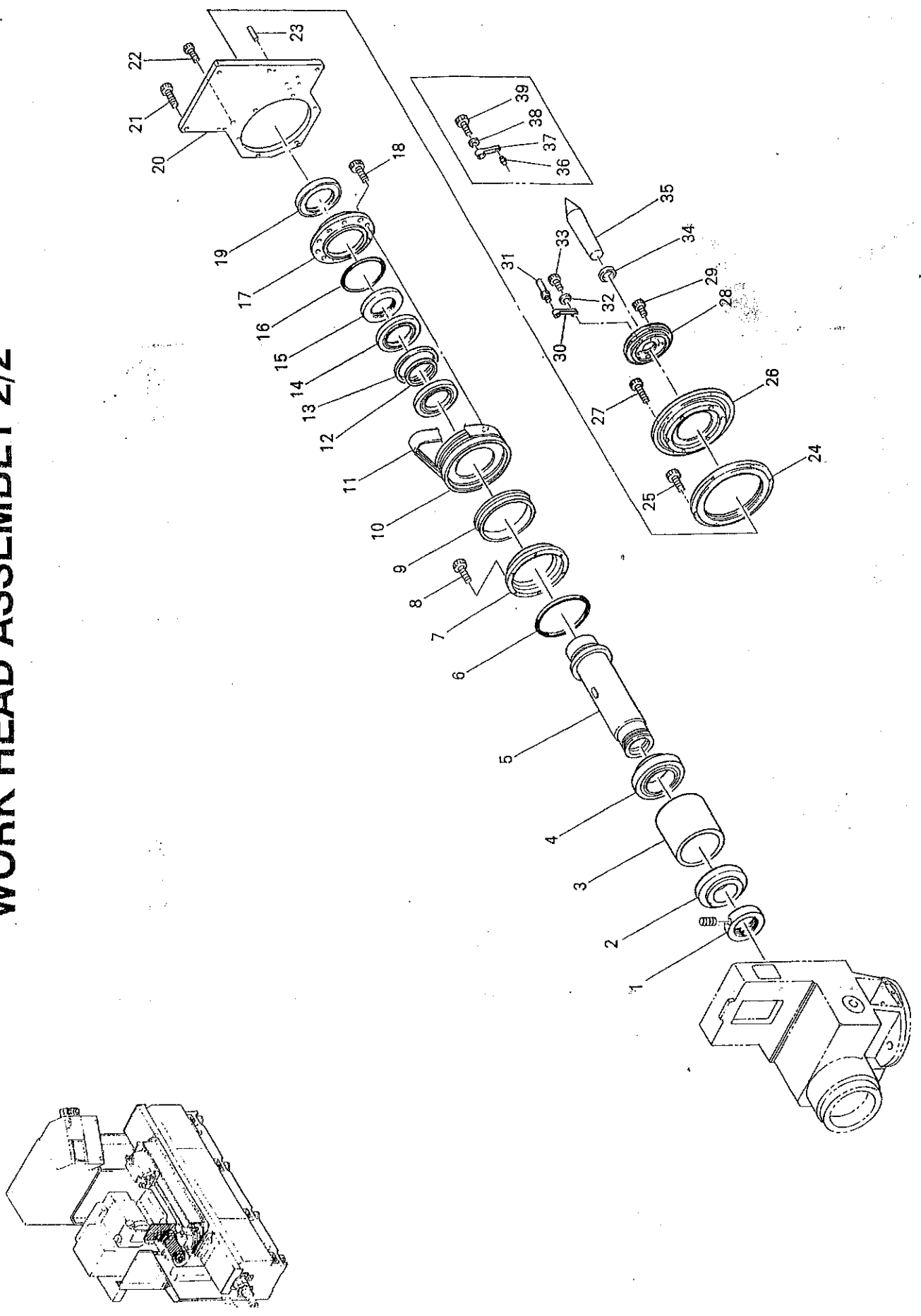
WORK HEAD ASSEMBLY 1/2



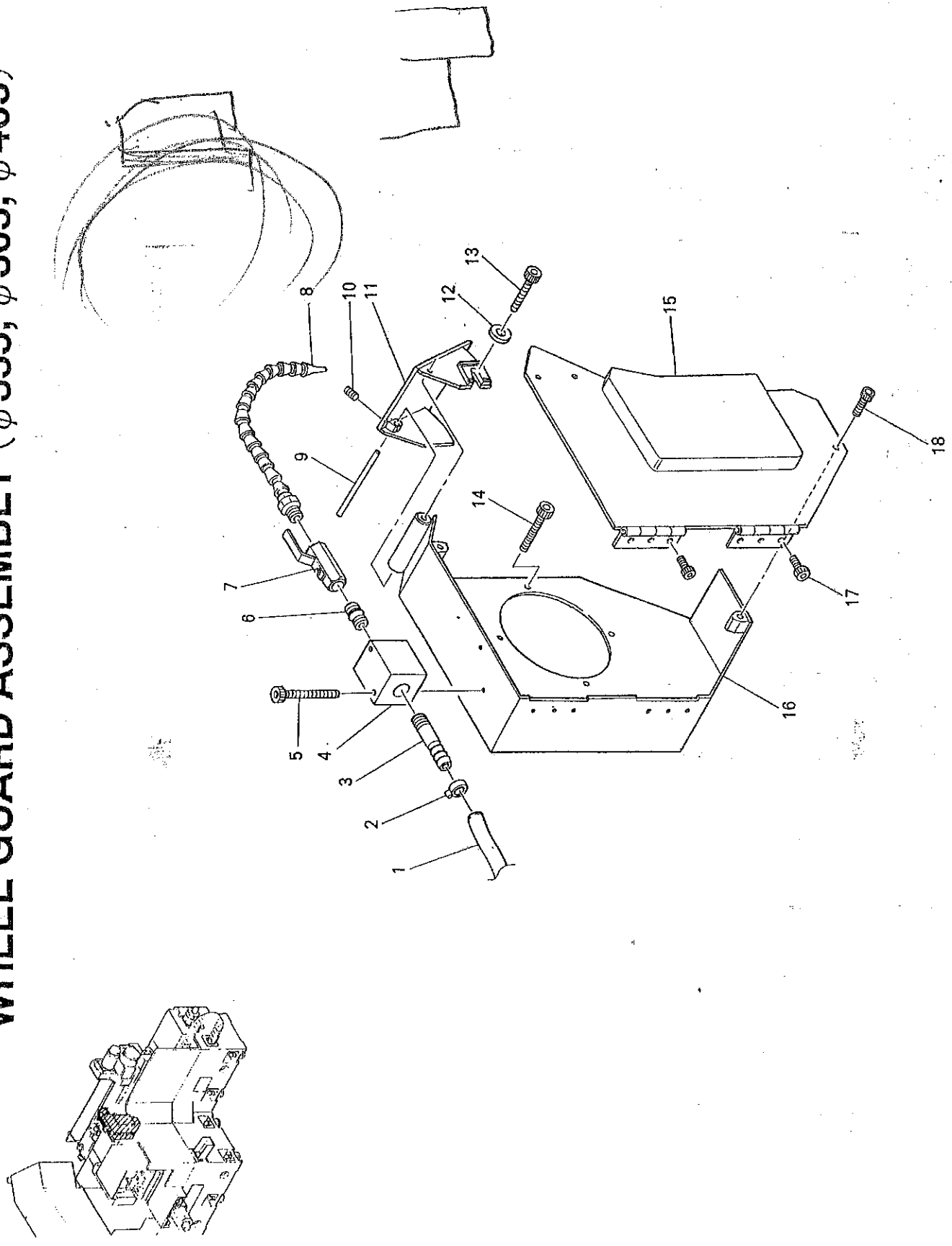
WORK HEAD ASSEMBLY 2/2



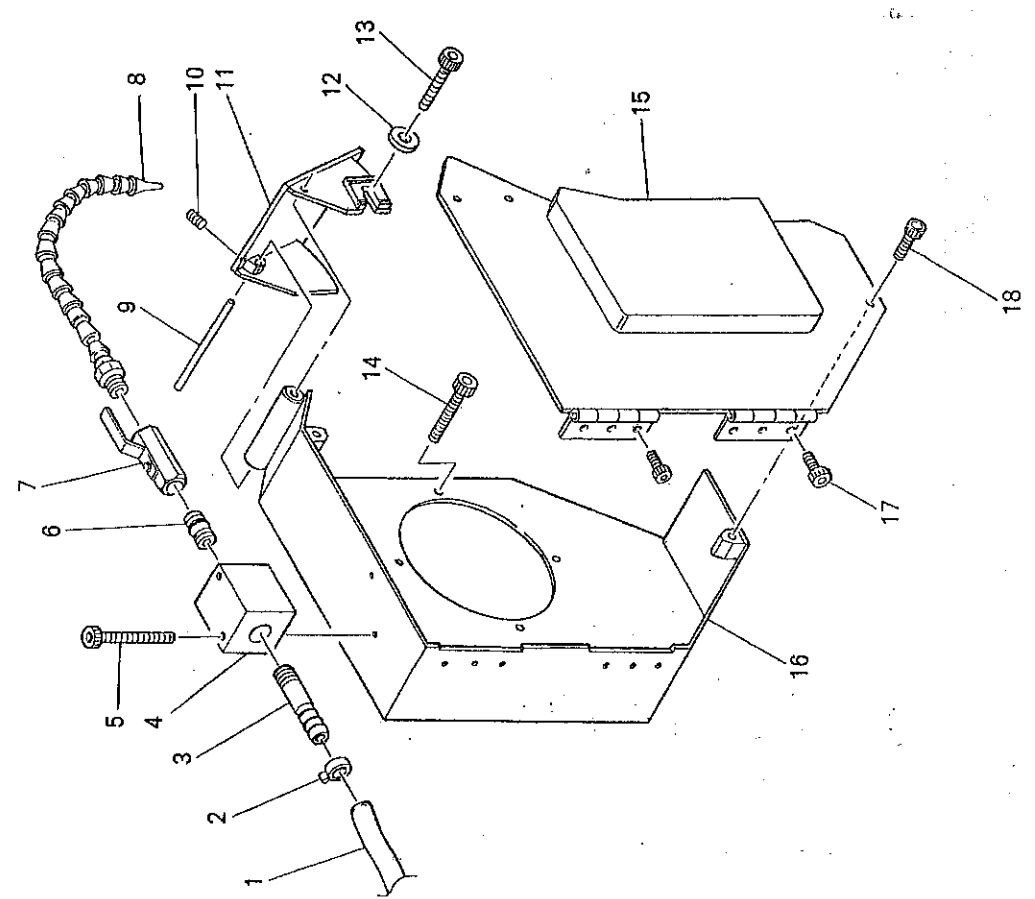
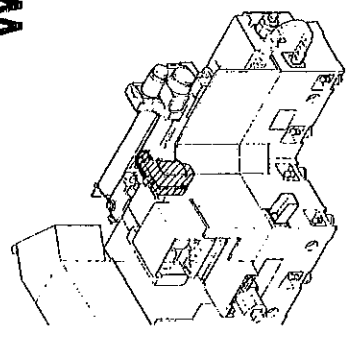
WORK HEAD ASSEMBLY 2/2



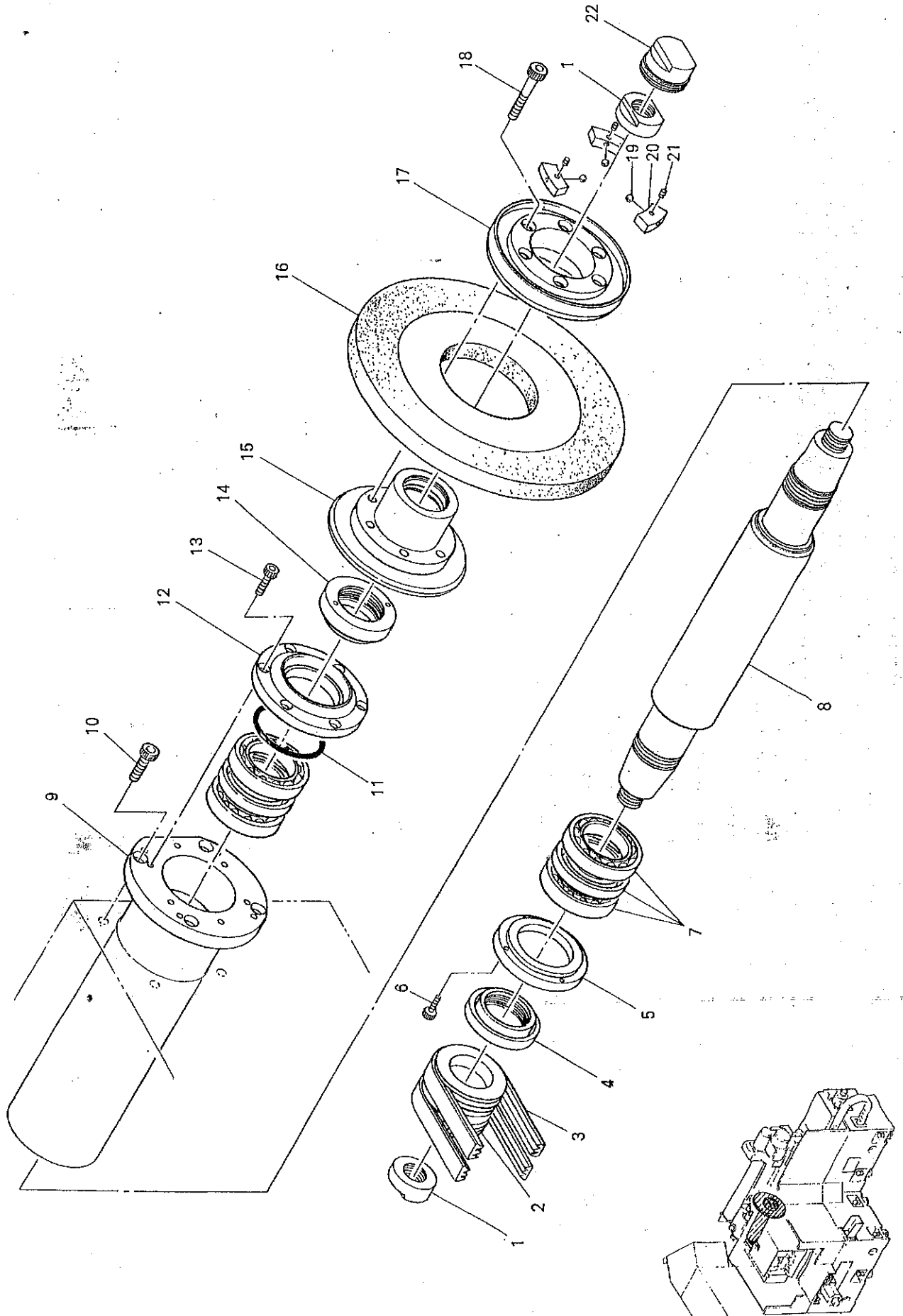
WHEEL GUARD ASSEMBLY (ϕ 355, ϕ 305, ϕ 405)



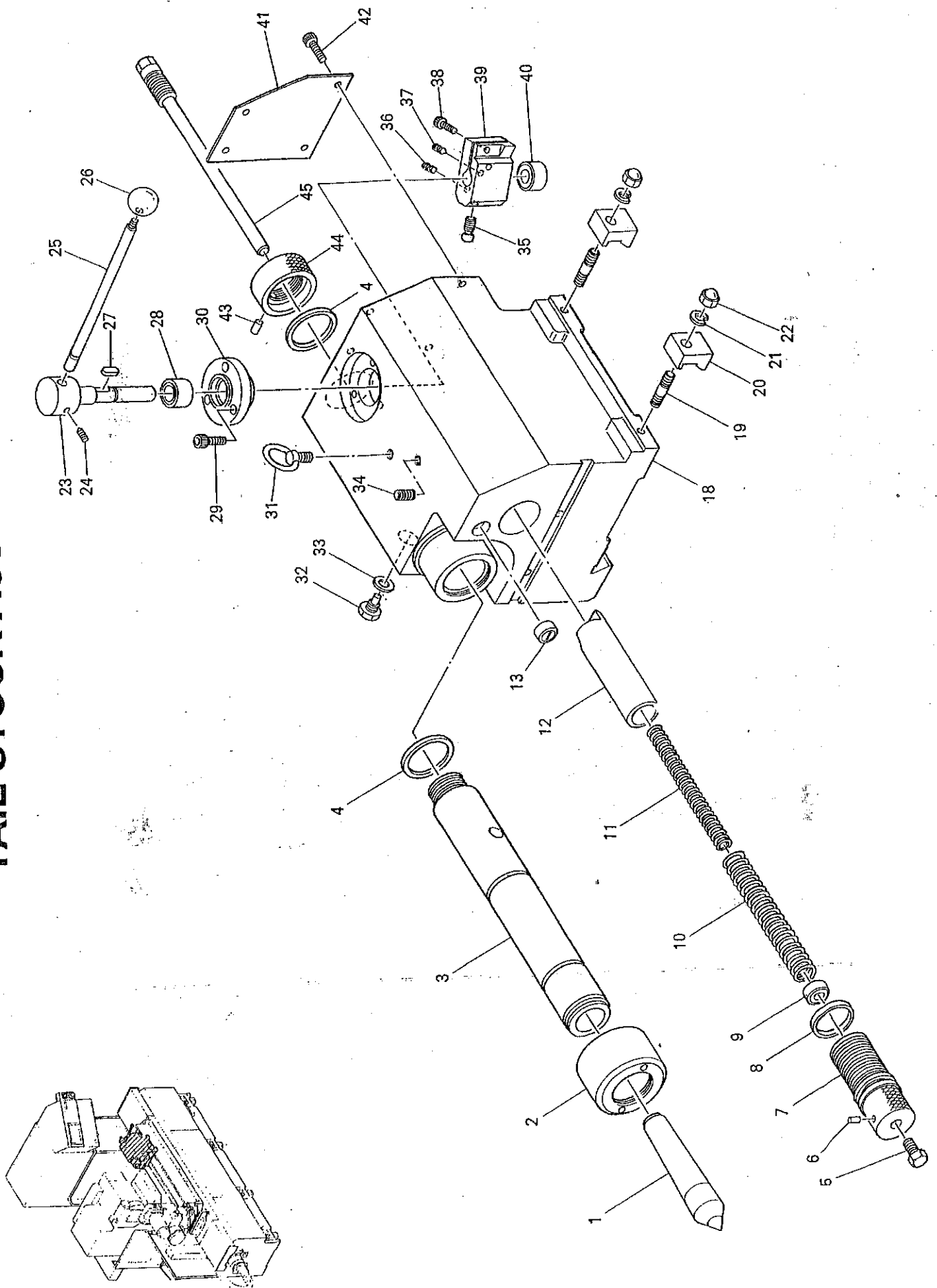
WHEEL GUARD ASSEMBLY (ϕ 355, ϕ 305, ϕ 405)



SPINDLE ASSEMBLY



TAIL STOCK ASSEMBLY



TAIL STOCK ASSEMBLY

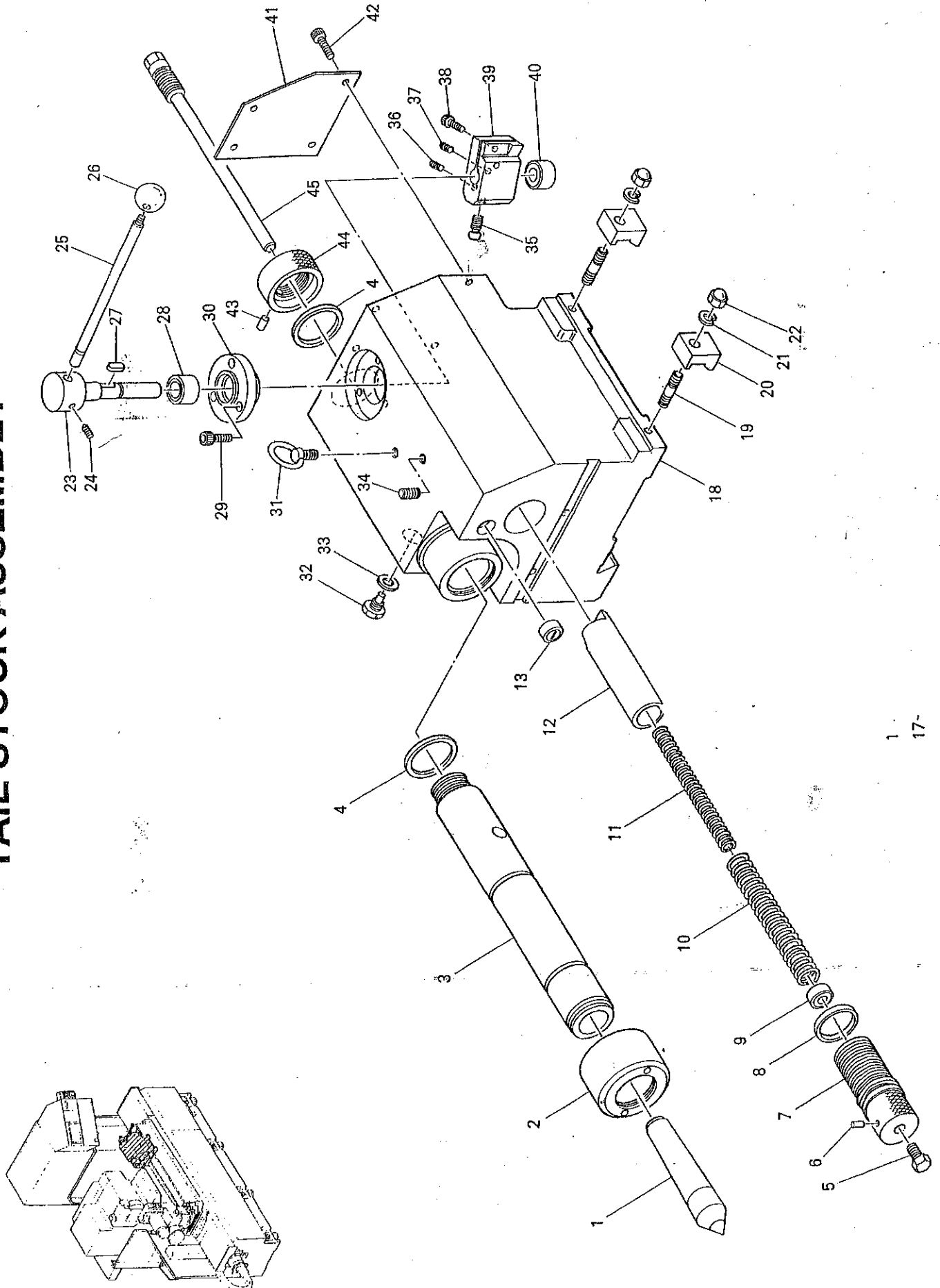


TABLE ASSEMBLY 1/2

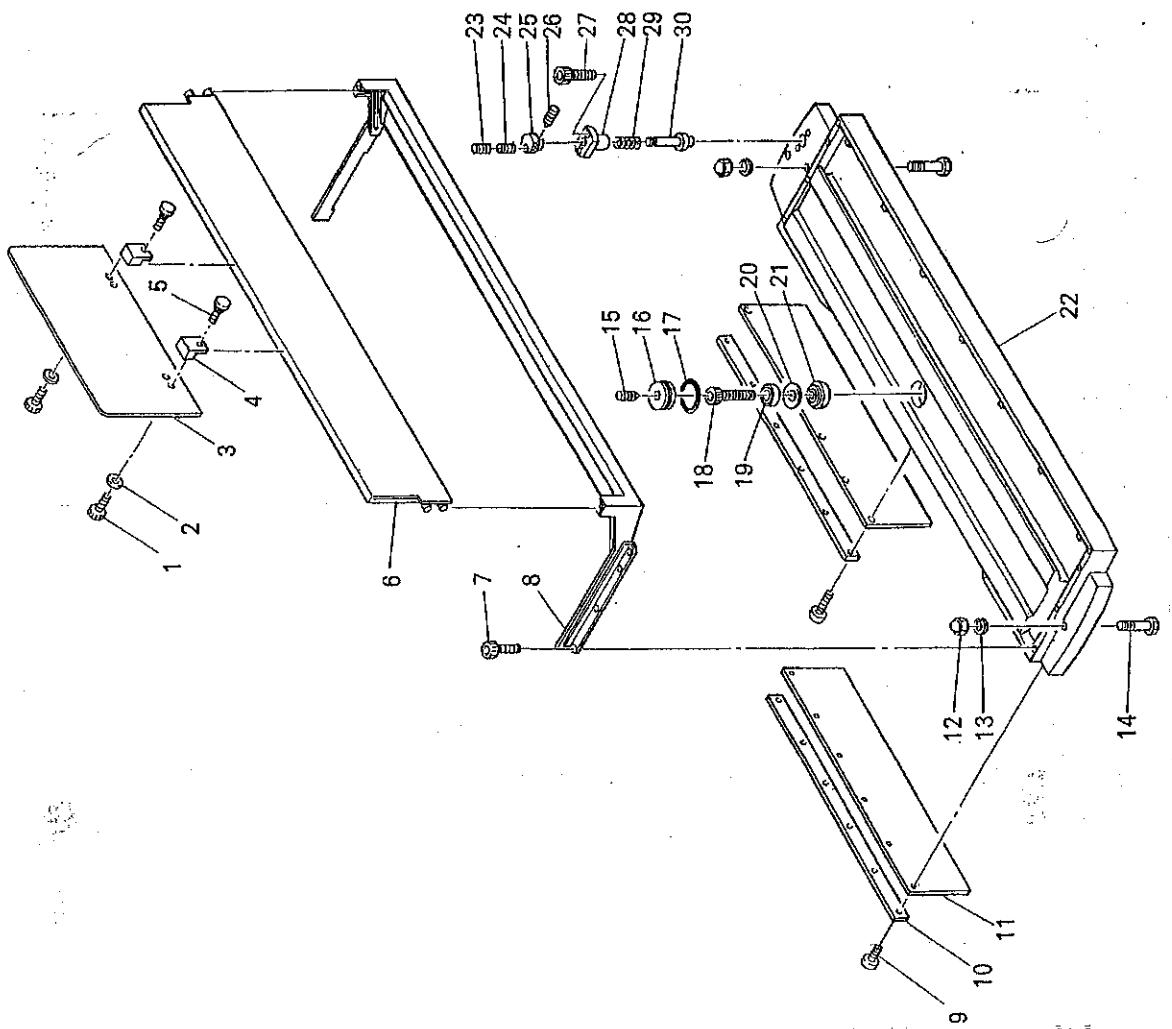
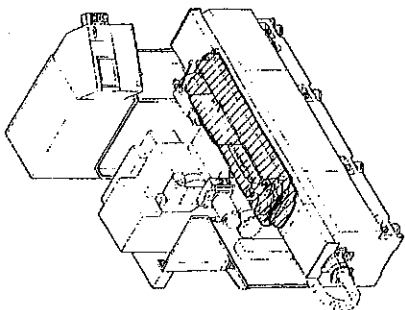


TABLE ASSEMBLY 1/2

NO.	PART CODE	PART NAME	Q'TY															
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			12-16P	12-24P	12-24P	12-40P	12-40P	12-60P	12-16U	12-24U	12-24U	12-40U	12-40U	12-60U	12-60U			
1	5050146-01	HS 6 x 15	4	4	-	-	4	-	-	-	-	4	4	-	-	-	-	
	5051009-01	HS 6 x 15	-	-	4	-	-	-	-	-	-	-	-	4	-	-	-	
	5051010-01	HS 6 x 15	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	
2	5050146-01	WS 6	4	4	-	-	-	-	-	-	-	4	4	-	-	-	-	
	5051009-01	WS 6	-	-	4	-	-	-	-	-	-	-	-	4	-	-	-	
	5051010-01	WS 6	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	
3	5050146A3	カバー	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	
	5051009A3	カバー	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	
	5051010A3	カバー	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
4	5050145A4	ブロック	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
5	5050145-01	ナールドノブ KS20 x 10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
6	5051027A2	カバー-A	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
	5050139B2	カバー-A	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
	5050159A2	カバー-A	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	
	5050160A2	カバー-A	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
7	5051026-01	HS ボタン 6 x 10	8	-	-	-	-	-	-	-	-	8	-	-	-	-	-	
	5050137-01	HS ボタン 6 x 10	-	8	-	-	-	-	-	-	-	-	8	-	-	-	-	
	5050157-01	HS ボタン 6 x 10	-	-	8	-	-	-	-	-	-	-	-	8	-	-	-	
	5050158-01	HS ボタン 6 x 10	-	-	-	-	-	-	-	8	-	-	-	-	-	-	8	
8	5051026A2	カバー-B	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
	5050137C2	カバー-B	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
	5050157C2	カバー-B	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	
	5050158C2	カバー-B	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
9	5051367-01	HS ボタン 5 x 10	10	-	-	-	-	-	-	-	-	10	-	-	-	-	-	
	5050110-01	HS ボタン 5 x 10	-	12	-	-	-	-	-	-	-	-	12	-	-	-	-	
	5050988-01	HS ボタン 5 x 10	-	-	22	-	-	-	-	-	-	-	-	22	-	-	-	
	5050988-01	HS ボタン 5 x 10	-	-	-	-	-	-	-	28	-	-	-	-	-	-	28	
10	5051367A4	オサエ板	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
	5050110B4	オサエ板	-	2	-	-	-	-	-	-	-	-	2	-	-	-	-	
	5050988B4	オサエ板	-	-	2	-	-	-	-	-	-	-	-	2	-	-	2	

TABLE ASSEMBLY 1/2

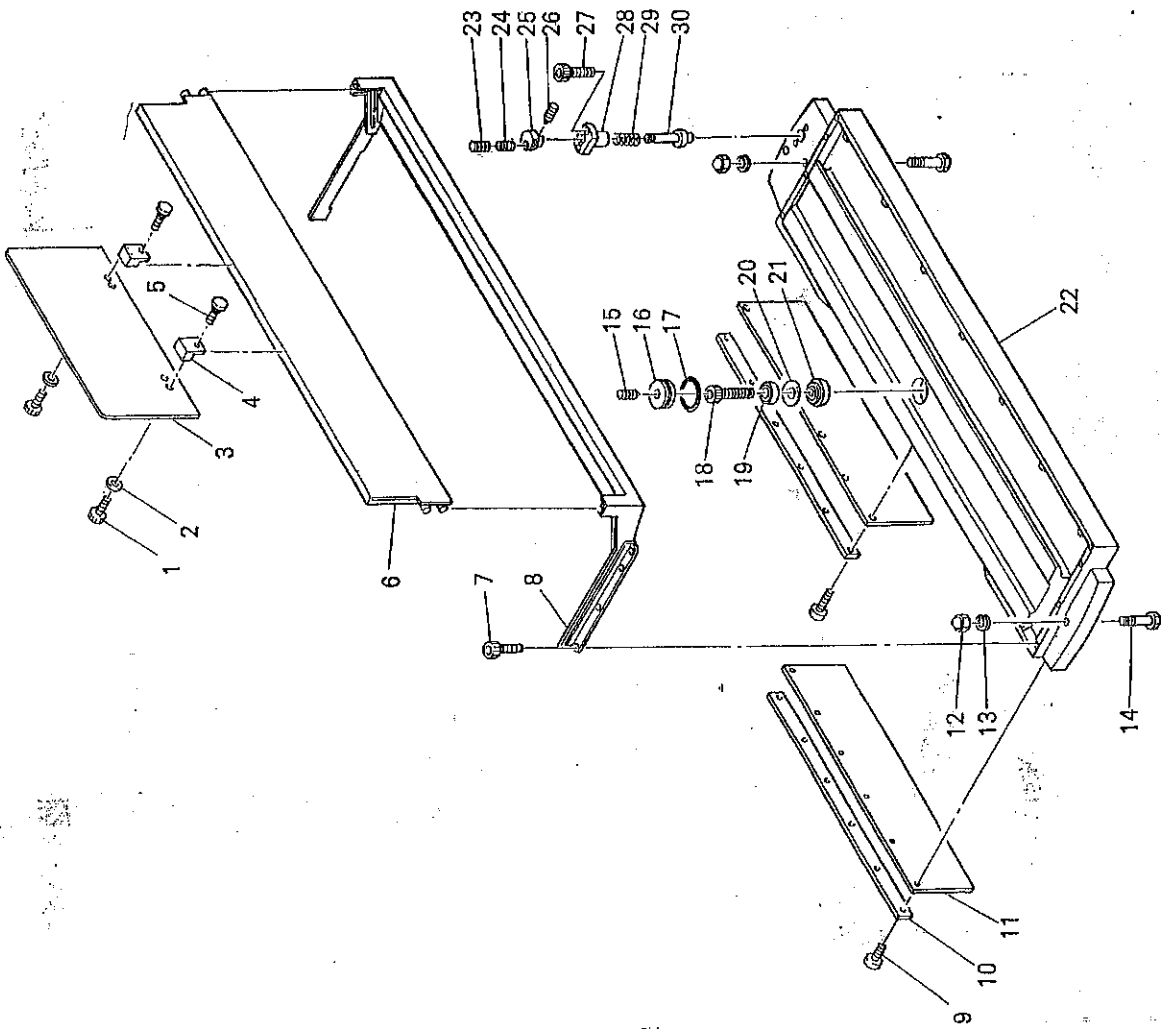
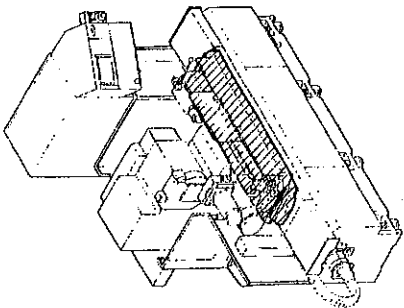


TABLE ASSEMBLY 2/2

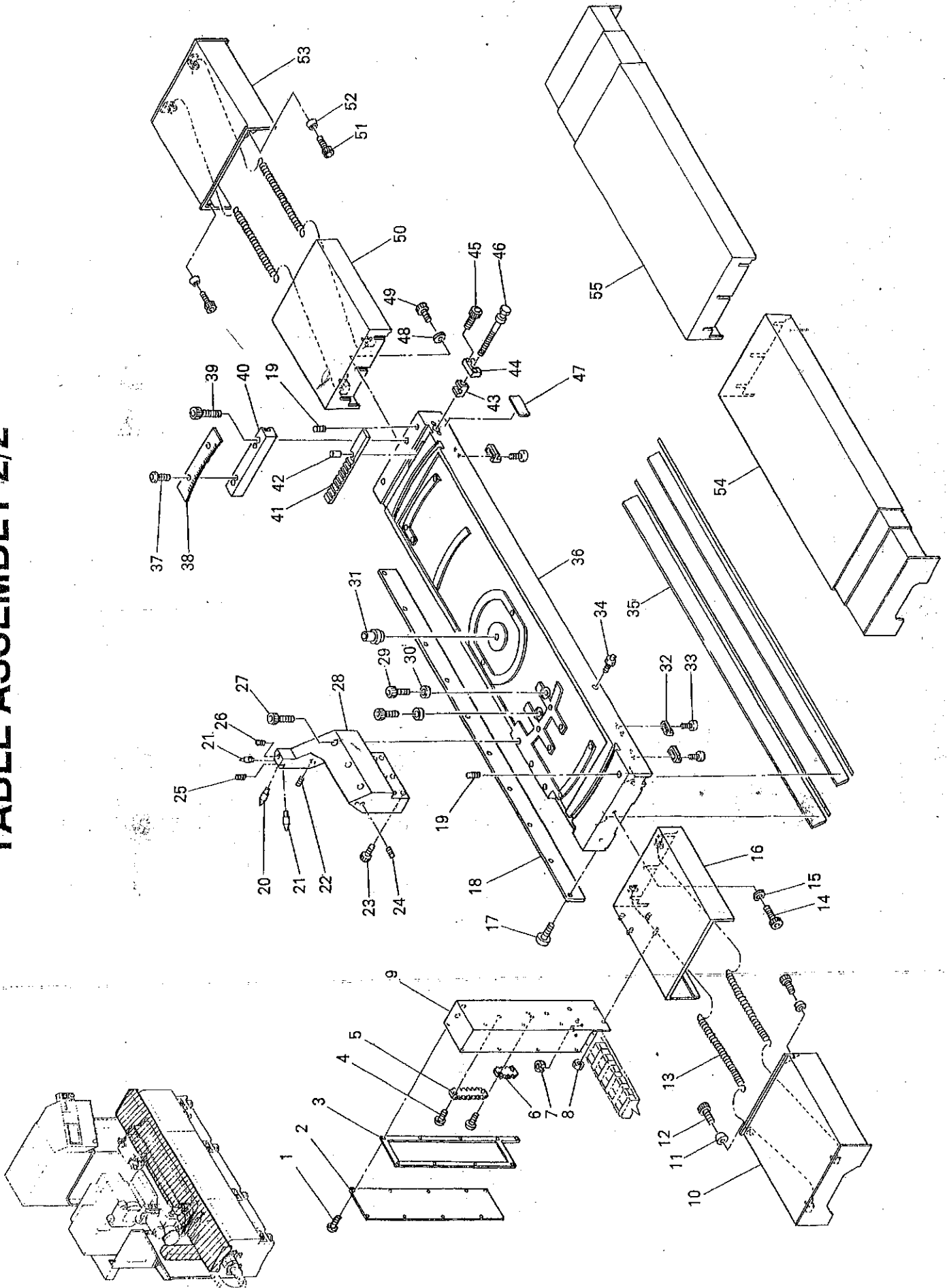


TABLE ASSEMBLY 2/2

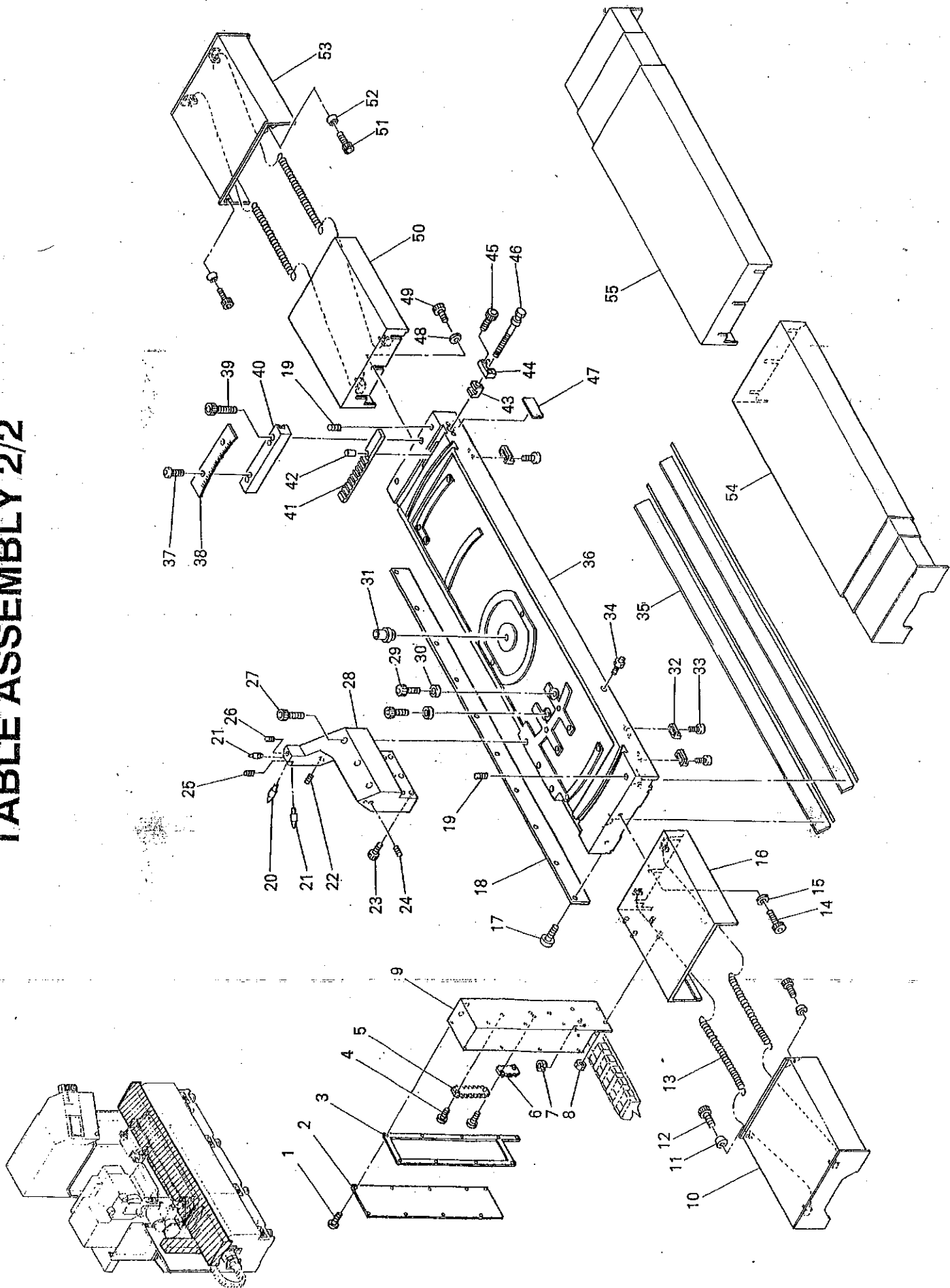


TABLE ASSEMBLY 1/2

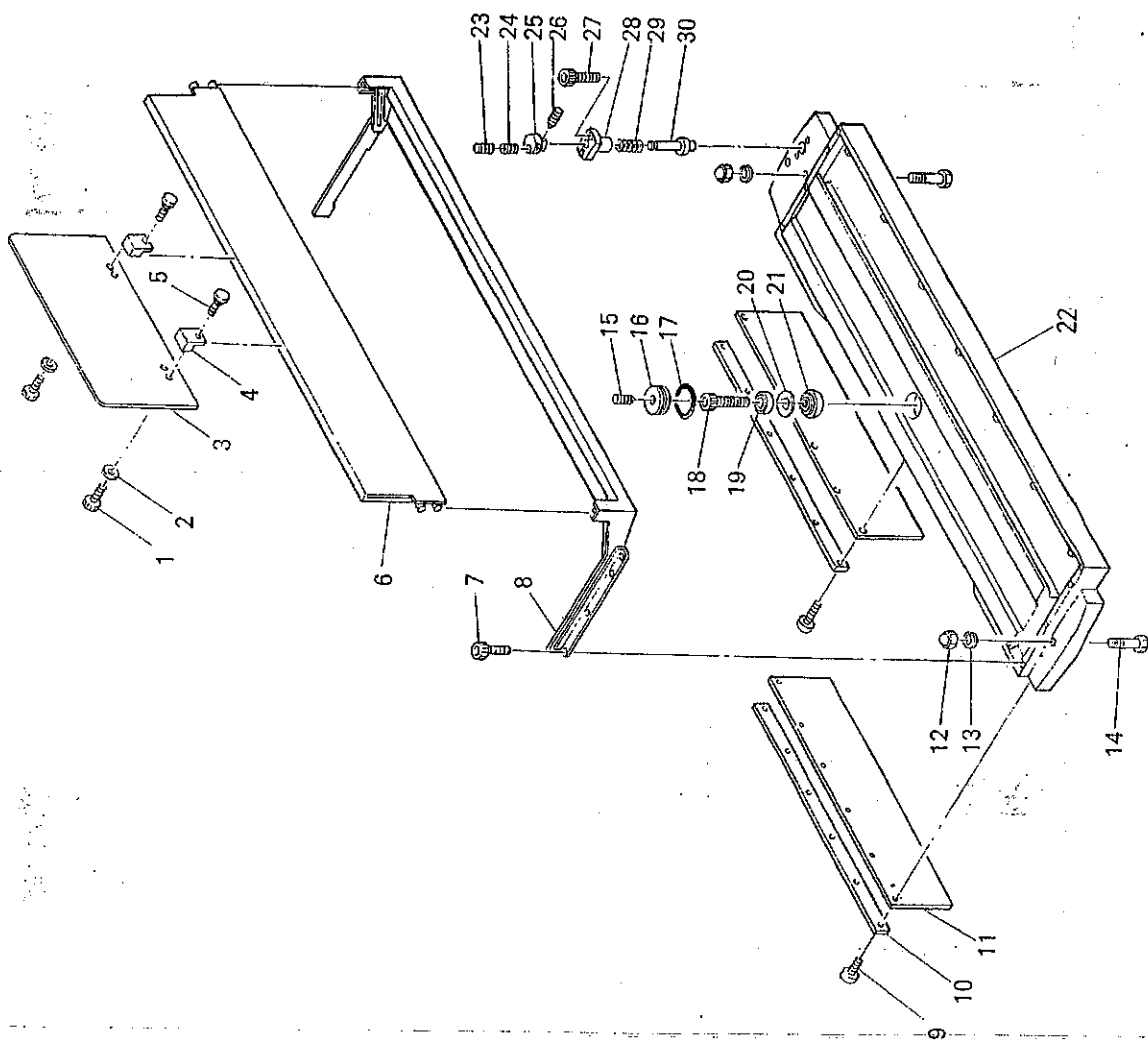
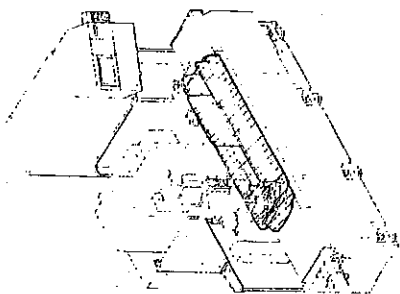
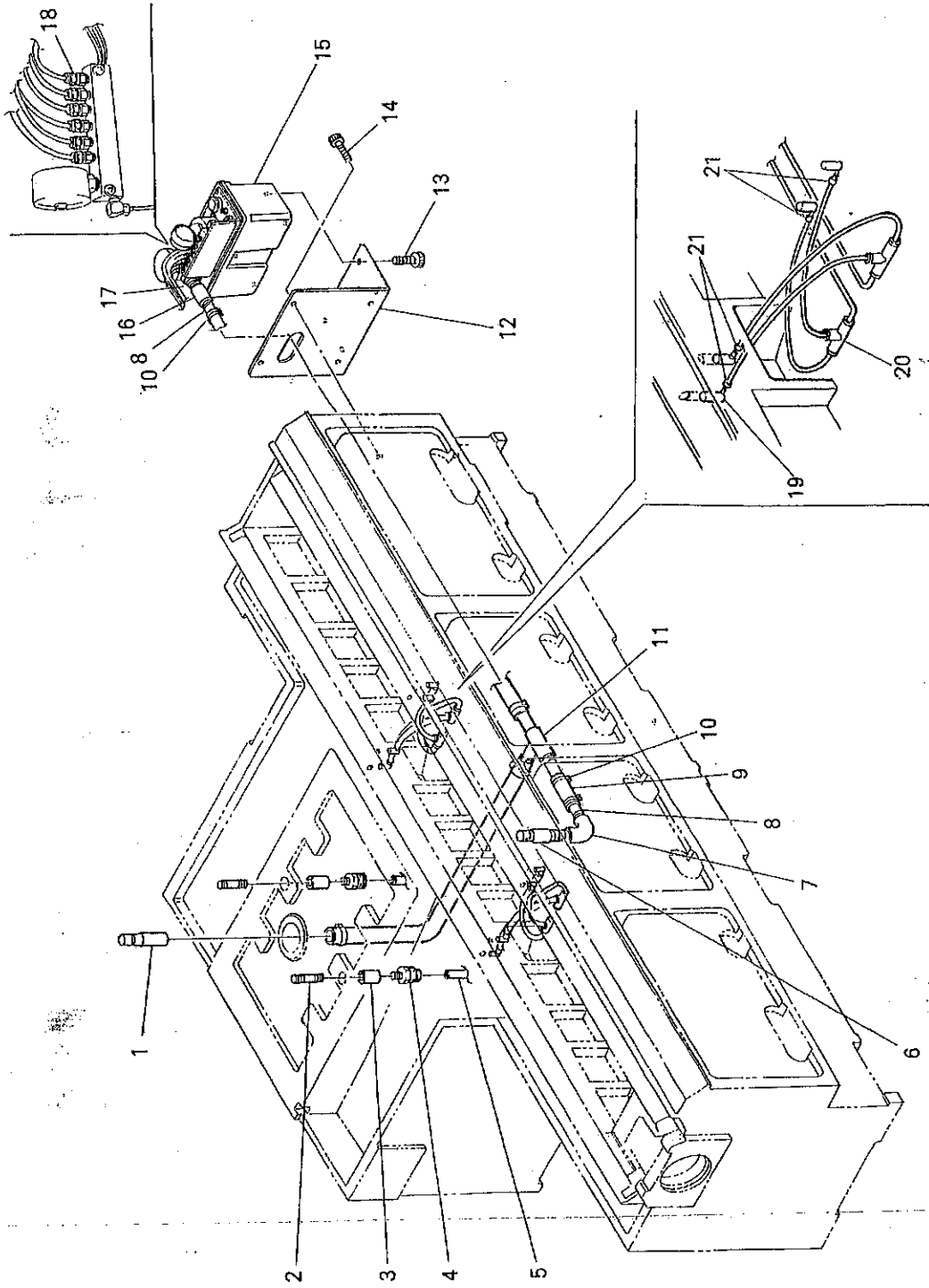


TABLE ASSEMBLY 2/2

NO.	PART CODE	PART NAME	Q'TY															
			340P		360P		3100P		3160P		340U		360U		3100U		3160U	
			12-16P	12-24P	12-24P	3	3	12-40P	12-40P	12-60P	12-60P	12-16U	12-16U	12-24U	12-24U	12-40U	12-40U	12-60U
49	5050172-01	HS 10 x 20	3	3		3	3		3	3		3	3		3	3		3
50	5051366A2	TFカバーミギダイ	1	-		-	-		-	1		-	-		-	-		-
	5050123C2	TFカバーミギダイ	-	1		-	-		-	-		1	-		-	-		-
	5050166B2	TFカバーミギダイ	-	-		1	-		-	-		-	-		1	-		-
51	5051365-02	HS 4 x 10	2	-		-	-		-	2		-	-		-	-		-
	5050122-02	HS 4 x 10	-	2		-	-		-	-		2	-		-	-		-
	5050167-02	HS 4 x 10	-	-		2	-		-	-		-	-		2	-		-
52	5051365-01	ザガネツキゴムアシ P-21#5	2	-		-	-		-	2		-	-		-	-		-
	5050122-01	ザガネツキゴムアシ P-21#5	-	2		-	-		-	-		2	-		-	-		-
	5050167-01	ザガネツキゴムアシ P-21#5	-	-		2	-		-	-		-	-		2	-		-
53	5051365A2	TFカバーミギシヨウ	1	-		-	-		-	1		-	-		-	-		-
	5050122D2	TFカバーミギシヨウ	-	1		-	-		-	-		1	-		-	-		-
	5050167B2	TFカバーミギシヨウ	-	-		1	-		-	-		-	-		1	-		-
54	J-942-365-3	TFカバーヒダリ	-	-		-	-		-	-		1	-		-	-		1
55	J-942-364-1	TFカバーミギ	-	-		-	-		-	-		1	-		-	-		1

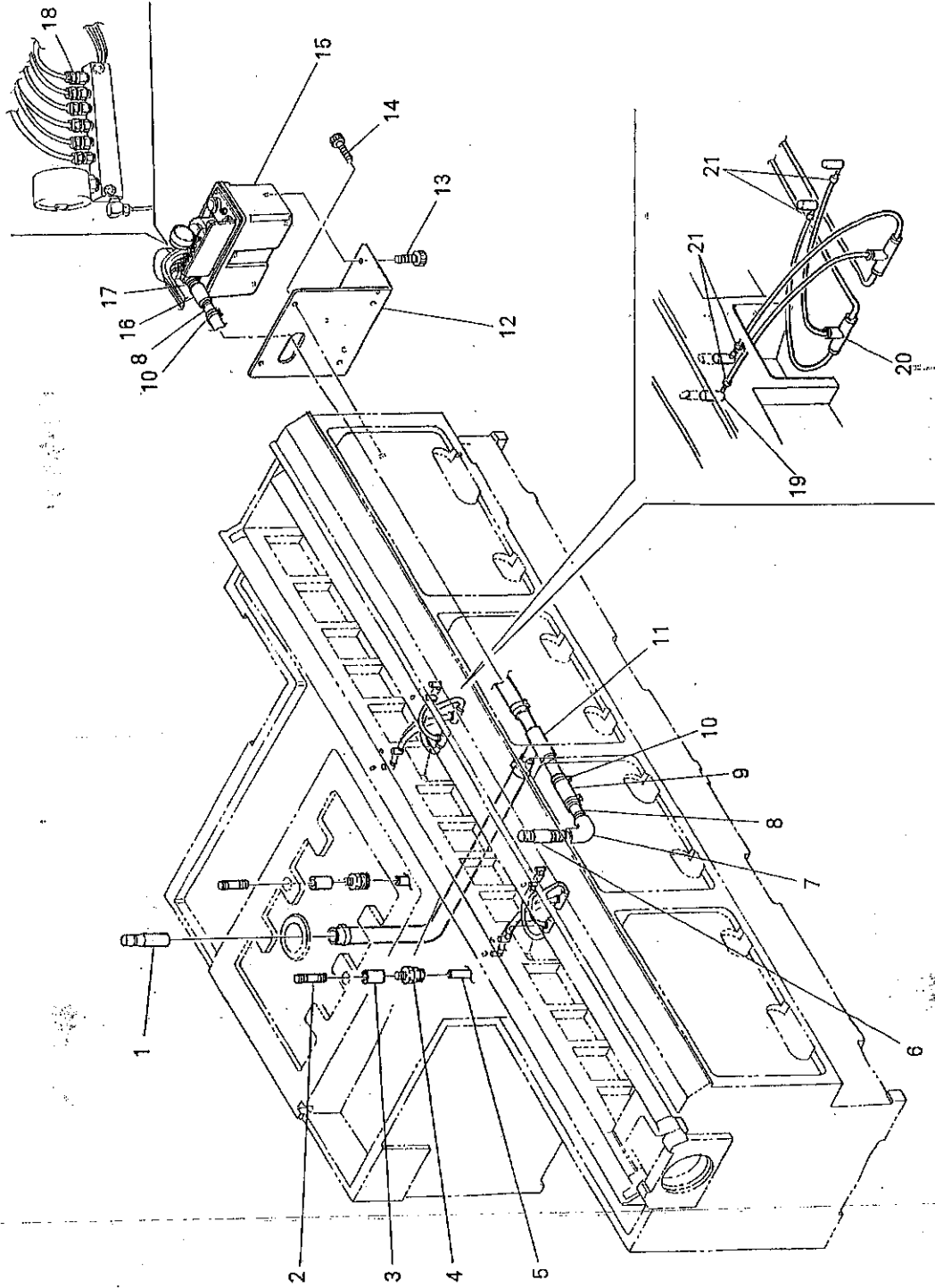
PIPE ARRANGEMENT ASSEMBLY



PIPE ARRANGEMENT ASSMBLY

NO.	PART CODE	PART NAME	Q'TY											
			340P 12-16P	360P 12-24P	3100P 12-40P	3160P 12-60P	340U 12-16U	360U 12-24U	3100U 12-40U	3160U 12-60U				
1	5050176-06	ロックニッブル 1/2"	1	1	1	1	1	1	1	1	1	1	1	
2	5050176-15	ニッブル 1/8"	2	2	2	2	2	2	2	2	2	2	2	
3	5050176-16	ソケット 1/8"	2	2	2	2	2	2	2	2	2	2	2	
4	5050176-08	ニッブル PD4	2	2	2	2	2	2	2	2	2	2	2	
5050176-09	5050176-09	継付プラグ PAA4	2	2	2	2	2	2	2	2	2	2	2	
5050176-10	5050176-10	スリーブ PB4	2	2	2	2	2	2	2	2	2	2	2	
5050176-11	5050176-11	チューブインサート AL4	2	2	2	2	2	2	2	2	2	2	2	
5	5150038-07	パイプ φ4 × φ2.5 × 10m	1	1	1	1	1	1	1	1	1	1	1	
6	5050047-12	長ニッブル 1/2" × 110	1	1	1	1	1	1	1	1	1	1	1	
5050000-12	5050000-12	長ニッブル 1/2" × 110	-	1	-	-	-	-	-	1	-	-	-	
5050036-12	5050036-12	長ニッブル 1/2" × 110	-	-	1	-	-	-	-	1	-	-	-	
5050037-12	5050037-12	長ニッブル 1/2" × 110	-	-	-	1	-	-	-	-	-	-	1	
7	5050047-13	エルボ 1/2"	1	-	-	-	-	1	-	-	-	-	-	
5050000-13	5050000-13	エルボ 1/2"	-	1	-	-	-	-	-	-	1	-	-	
5050036-13	5050036-13	エルボ 1/2"	-	-	1	-	-	-	-	-	1	-	-	
5050037-13	5050037-13	エルボ 1/2"	-	-	-	1	-	-	-	-	-	-	1	
8	5050047-08	ロックニッブル 1/2"	5	-	-	-	-	5	-	-	-	-	-	
5050000-08	5050000-08	ロックニッブル 1/2"	-	5	-	-	-	-	5	-	-	-	-	
5050036-08	5050036-08	ロックニッブル 1/2"	-	-	5	-	-	-	-	5	-	-	-	
5050037-08	5050037-08	ロックニッブル 1/2"	-	-	-	5	-	-	-	-	-	-	5	
9	5050047-10	ビニールホース φ19 × φ26	1	-	-	-	-	1	-	-	-	-	-	
5050000-10	5050000-10	ビニールホース φ19 × φ26	-	1	-	-	-	-	-	-	1	-	-	
5050036-10	5050036-10	ビニールホース φ19 × φ26	-	-	1	-	-	-	-	-	-	1	-	
5050037-10	5050037-10	ビニールホース φ19 × φ26	-	-	-	1	-	-	-	-	-	-	1	
10	5050047-11	ホースバンド φ28	6	-	-	-	-	6	-	-	-	-	-	
5050000-11	5050000-11	ホースバンド φ28	-	6	-	-	-	-	6	-	-	-	-	
5050036-11	5050036-11	ホースバンド φ28	-	-	6	-	-	-	-	6	-	-	-	
5050037-11	5050037-11	ホースバンド φ28	-	-	-	6	-	-	-	-	-	-	6	
11	5050047-09	チー 1/2"	1	-	-	-	-	1	-	-	-	-	-	
5050000-09	5050000-09	チー 1/2"	-	1	-	-	-	-	-	-	1	-	-	

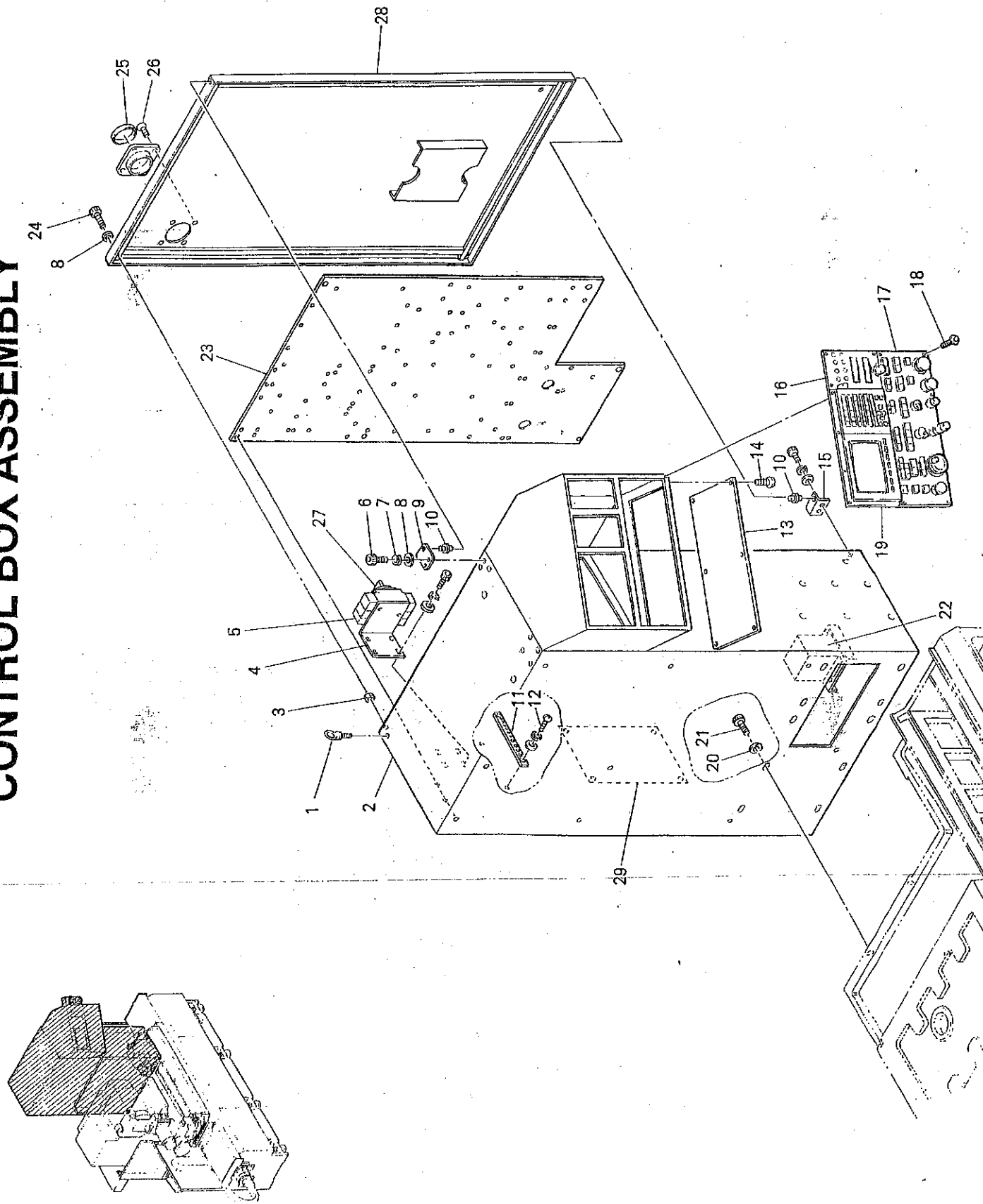
PIPE ARRANGEMENT ASSEMBLY



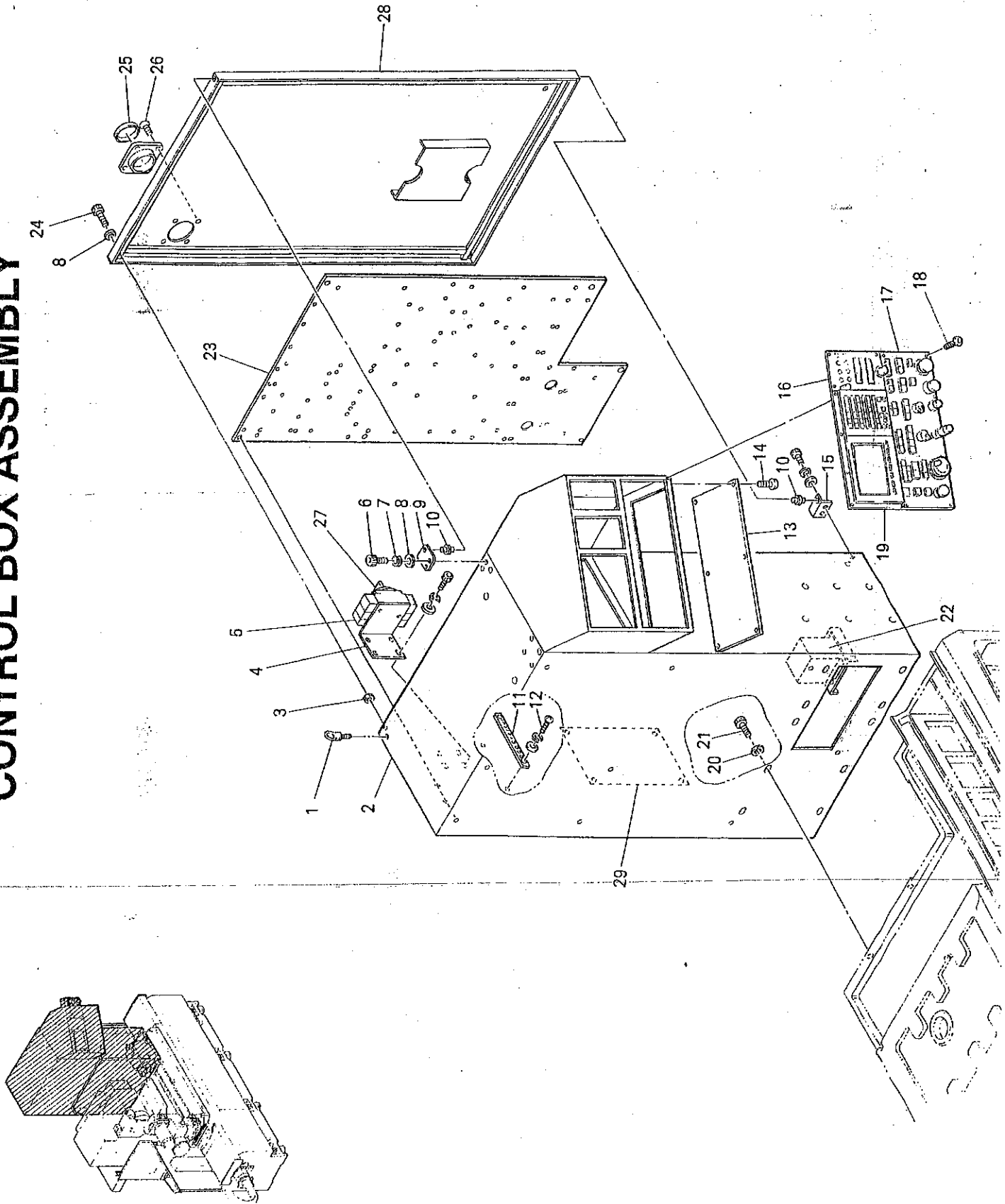
PIPE ARRANGEMENT ASSMBLY

NO.	PART CODE	PART NAME	Q'TY															
			340P		360P		3100P		3160P		340U		360U		3100U		3160U	
			12-16P	12-24P	12-24P	12-40P	12-60P	12-16U	12-24U	12-40U	12-40U	12-16U	12-24U	12-40U	12-40U	12-60U	12-60U	
11	5050036-09	チー 1/2"	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
	5050037-09	チー 1/2"	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
12	5150038C2	潤滑ポンプ台	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	5150038-06	HS 8 × 10	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
14	5150038-05	HS 6 × 10	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
15	5150038-01	潤滑タンク	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	5150038-07	ソケット 1/2"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
17	5150038-08	ニップル 1/2"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
18	5050038-02	プロパーナット PAN4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	5050038-03	スリーブ PB4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	5050038-04	チューブインサート AL4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
19	5050047-05	チューブエンド No.106927	8	-	-	-	-	-	-	-	8	-	-	-	-	-	-	
	5050000-05	チューブエンド No.106927	-	8	-	-	-	-	-	-	-	8	-	-	-	-	-	
	5050036-05	チューブエンド No.106927	-	-	-	8	-	-	-	-	-	-	8	-	-	-	-	
	5050037-05	チューブエンド No.106927	-	-	-	-	-	-	-	-	-	-	-	8	-	-	8	
20	5050047-06	ユニオンティー MAQ64-P-4	4	-	-	-	-	-	-	-	4	-	-	-	-	-	-	
	5050000-06	ユニオンティー MAQ64-P-4	-	4	-	-	-	-	-	-	-	4	-	-	-	-	-	
	5050036-06	ユニオンティー MAQ64-P-4	-	-	-	4	-	-	-	-	-	-	4	-	-	-	-	
	5050037-06	ユニオンティー MAQ64-P-4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	4	
21	5050047-08	チューブバンド PZ4	8	-	-	-	-	-	-	-	8	-	-	-	-	-	-	
	5050000-08	チューブバンド PZ4	-	8	-	-	-	-	-	-	-	8	-	-	-	-	-	
	5050036-08	チューブバンド PZ4	-	-	-	8	-	-	-	-	-	-	8	-	-	-	-	
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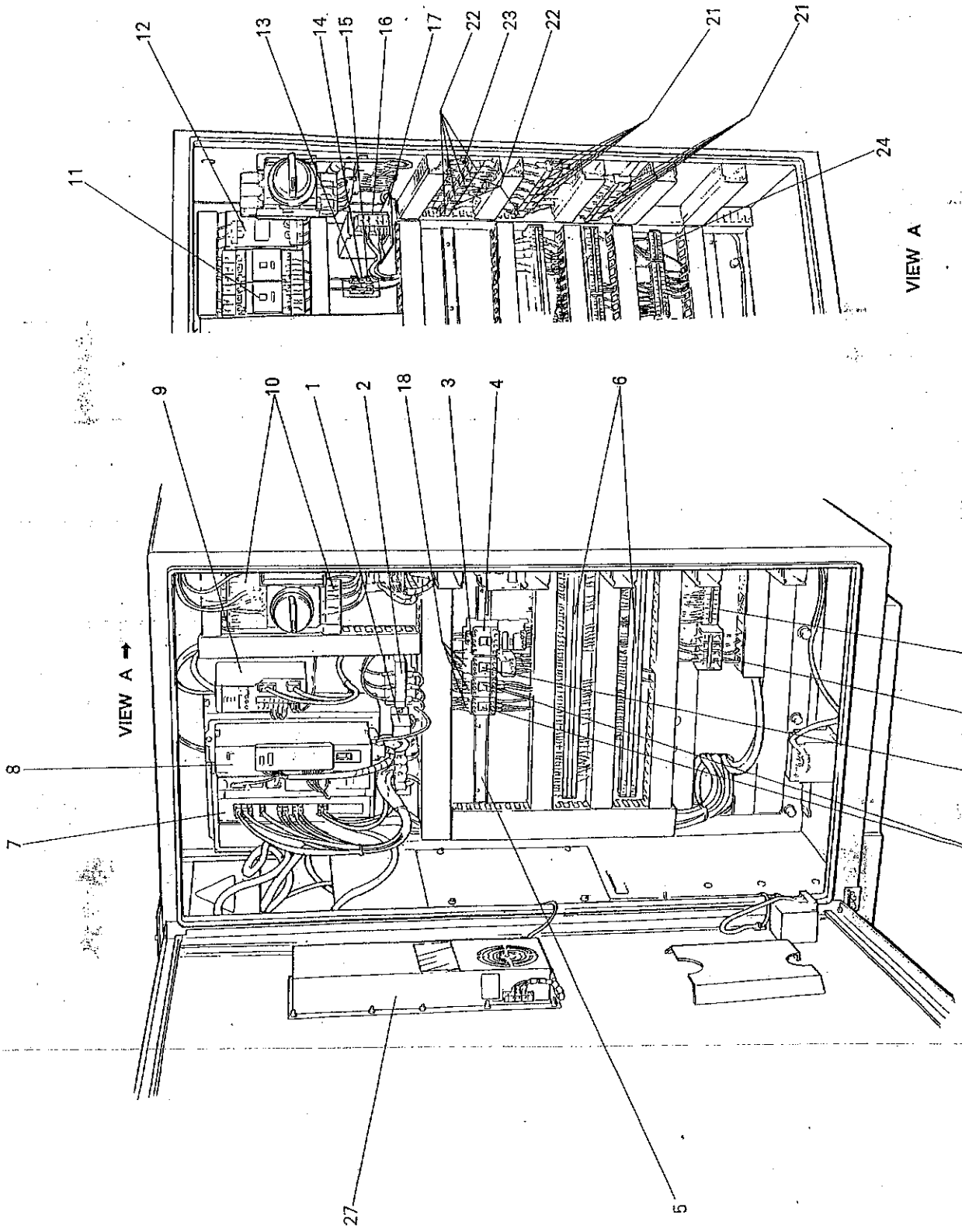
CONTROL BOX ASSEMBLY



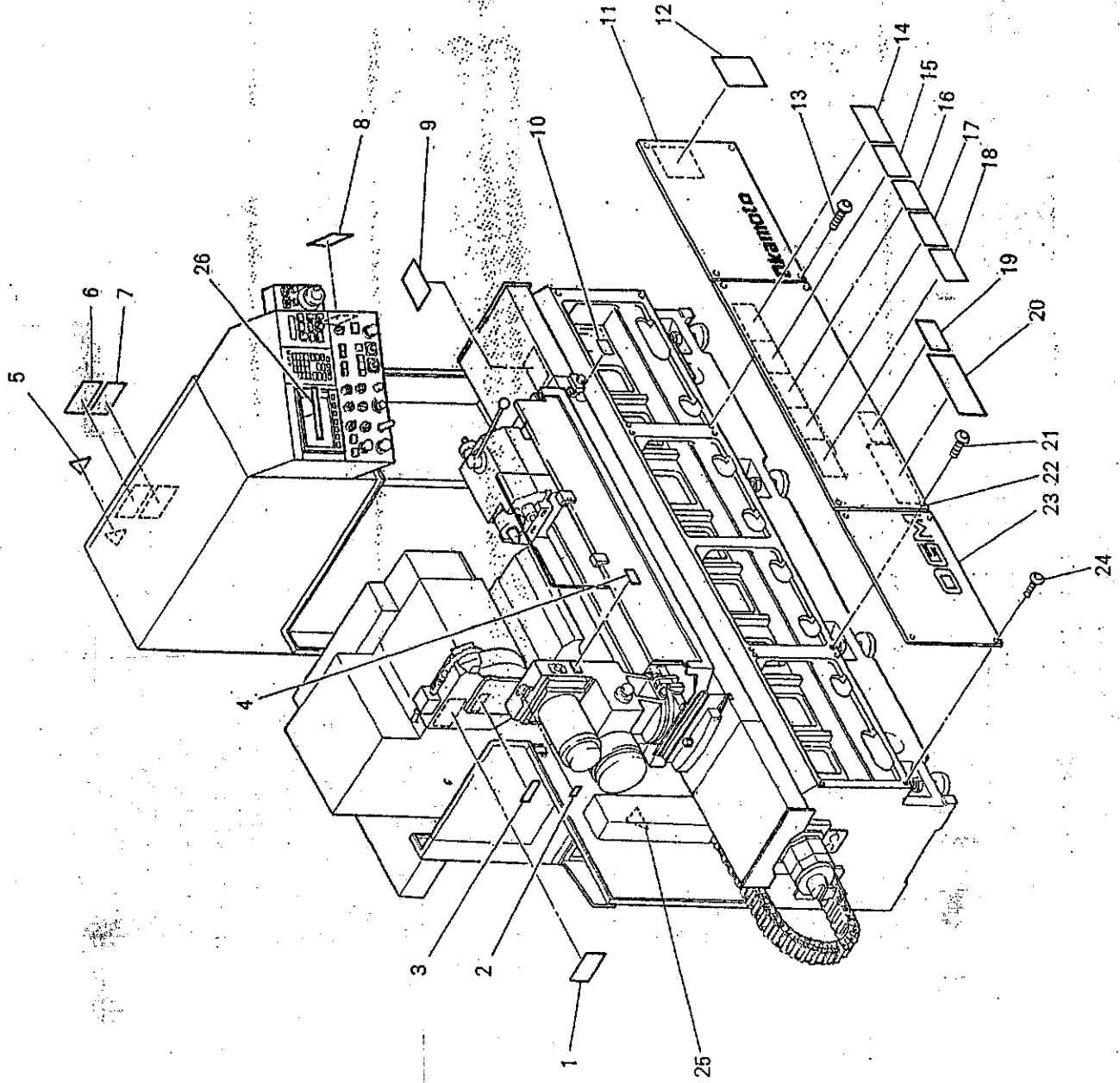
CONTROL BOX ASSEMBLY



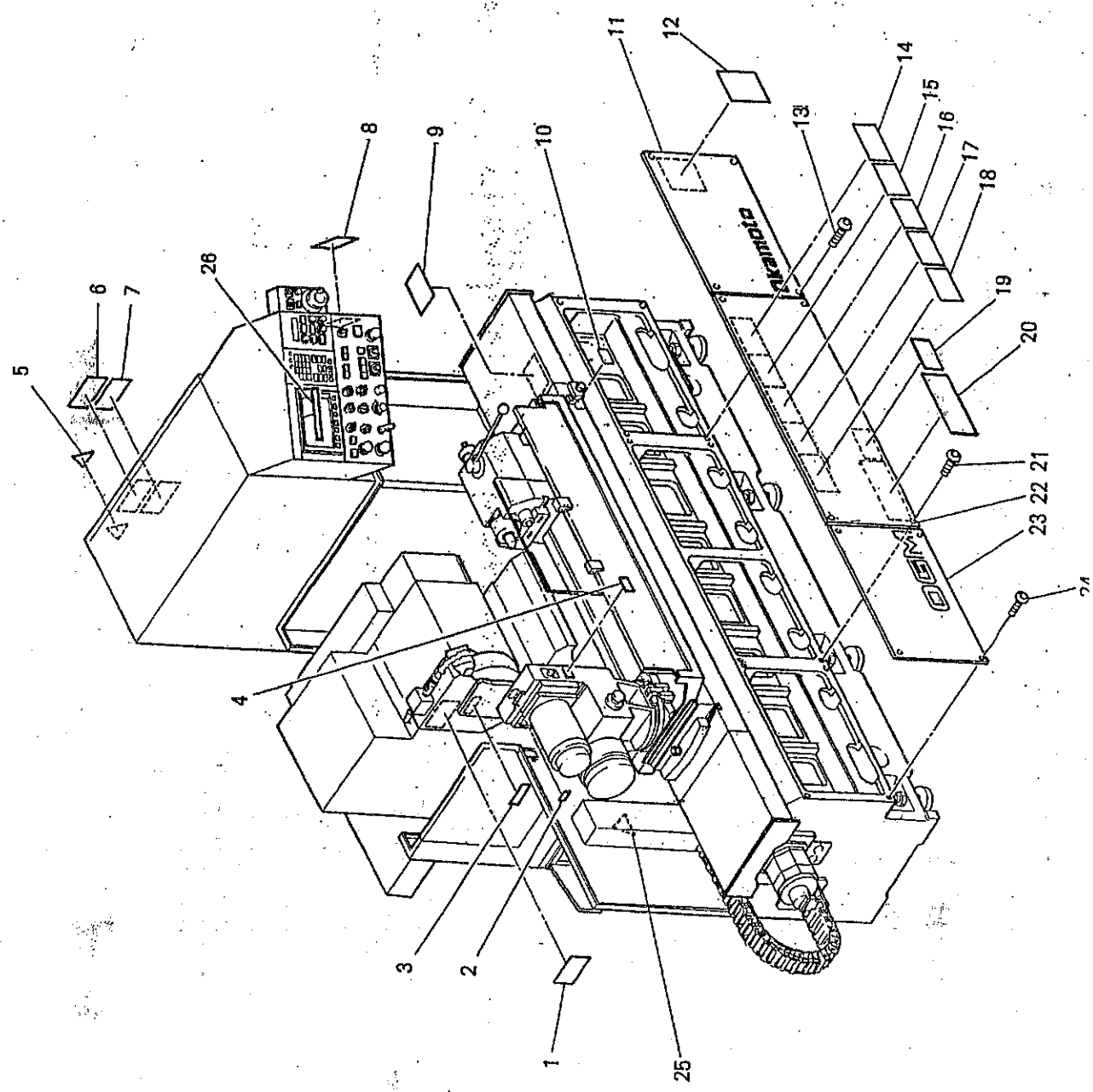
ELECTRICAL ASSEMBLY



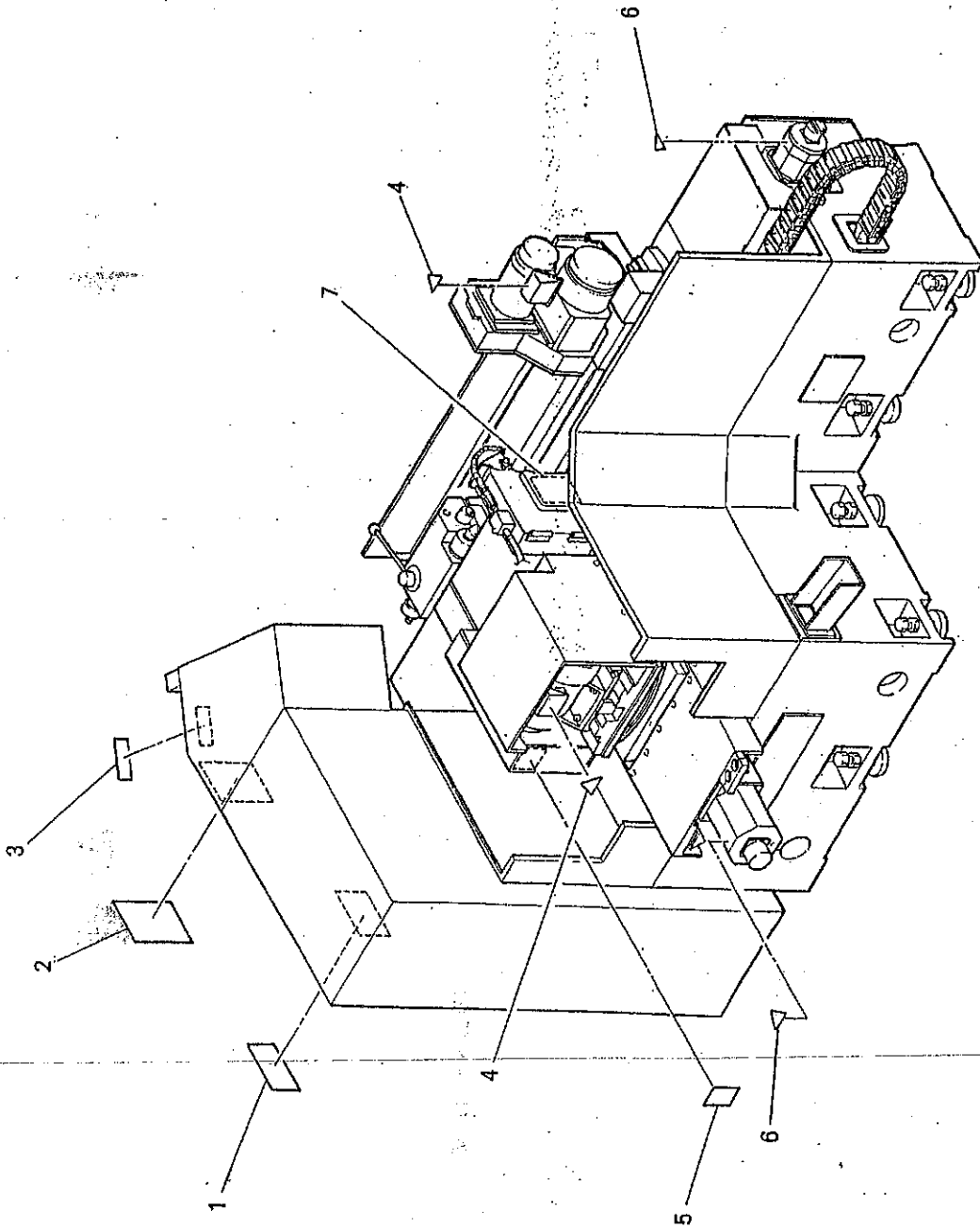
NAME PLATE 1/2



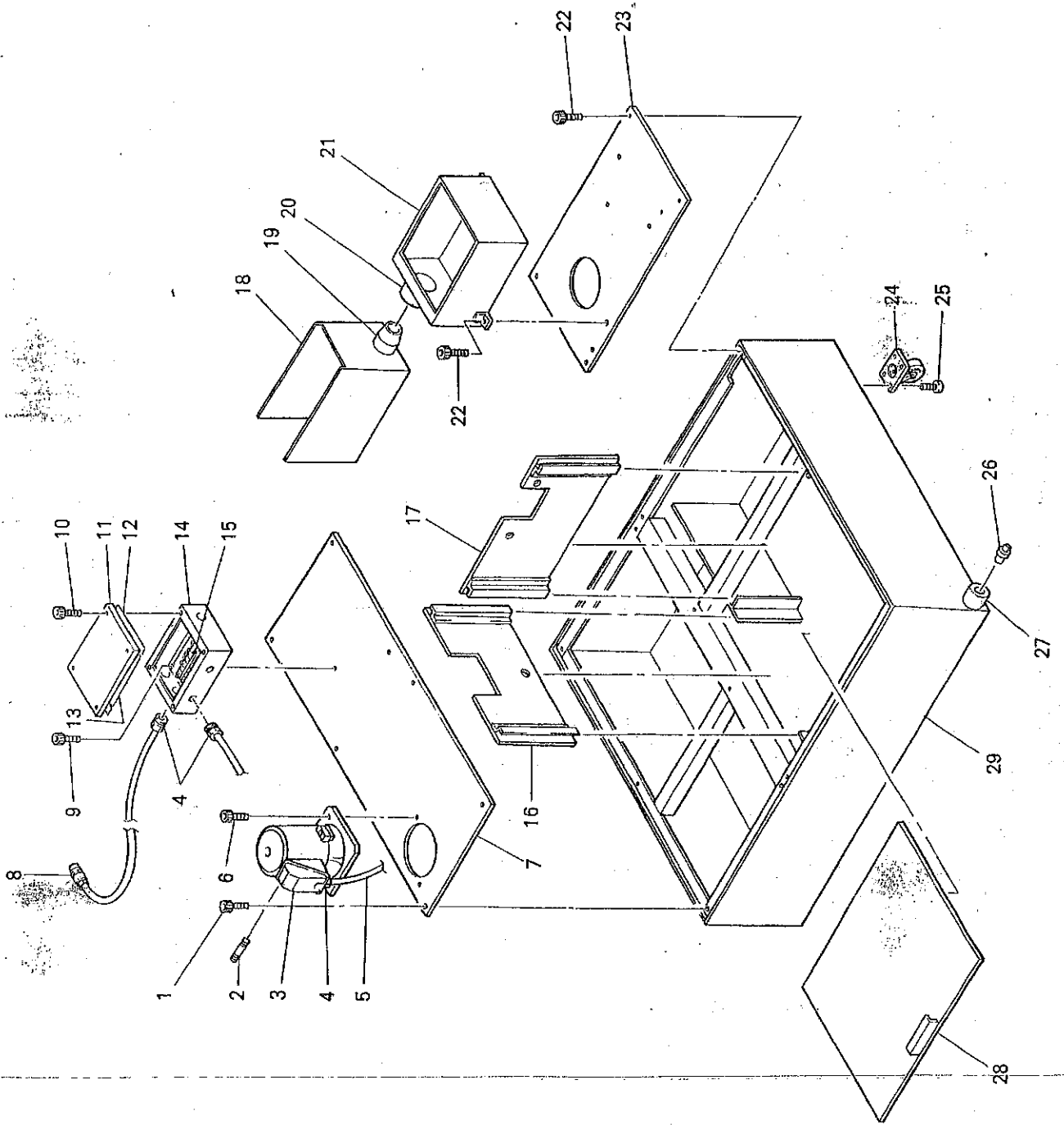
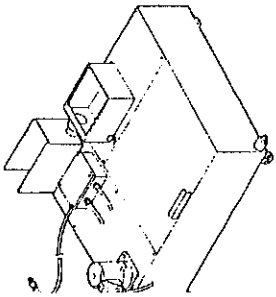
NAME PLATE 1/2



NAME PLATE 2/2



COOLANT SYSTEM ASSEMBLY



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