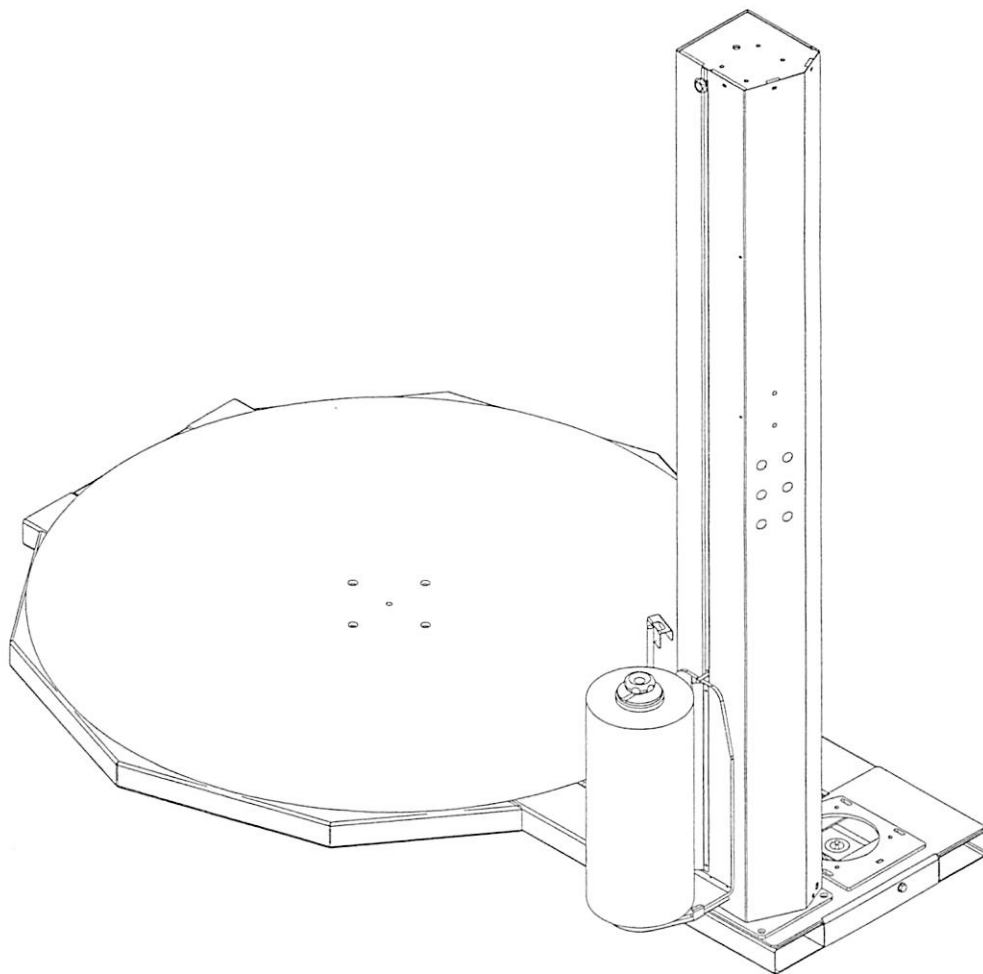


Digiweigh Stretch Machine with Build-in Wireless Scale



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1. SAFETY GUIDE

1.1 SAFETY RULES

1. Prior to operating the machine, please read through this manual completely.
2. Maintenance personnel should go through this manual prior to operating the machine.
3. Prior to maintaining or cleaning the machine, please turn off main power.
4. If any accidents occur while machine is running, turn the power off at once.
5. This machine is not designed for packing explosive material.
6. We do not take any responsibility for unauthorized conversion.
7. Personnel need to be trained prior to operating the machine.
8. Machine should be placed in a location that would be out of harms way.
9. If machine has Top Compression Plate option, turn off the air prior to adjusting or maintaining of machine.
10. For safety, all interlock switches should not be disabled.
11. Do not stand on the turntable, or underneath the film carriage when machine is in operation.
12. Pallet loads should not be over the specified maximum height and weight.
13. If pallet load is too light and load would shift when turntable is on, the optional top compression plate should be used.

1.2 CAUTION SIGNS

See Fig. 1-1

Components with this sign should be accessed only by trained operator or maintenance personnel

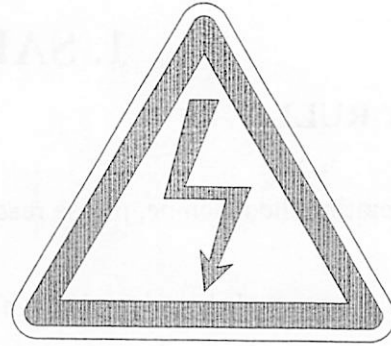


Fig. 1-1 Electrical Caution Sign

See Fig. 1-2

Keep hands out of this area.



Fig. 1-2 Warning

1.3 SAFETY PROCEDURE

See Fig. 1-3

Don't put finger between the turntable and the base of the machine. Serious injuries may occur.

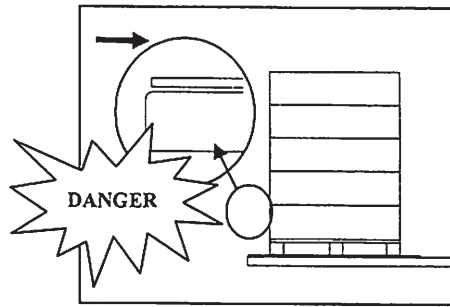


Fig.1-3

See Fig 1-4 Care for press-hurt !

As the machine is running or technician is maintaining , prohibit any person close the under of carriage, avoid the carriage to cause hurt when it is lifting down .

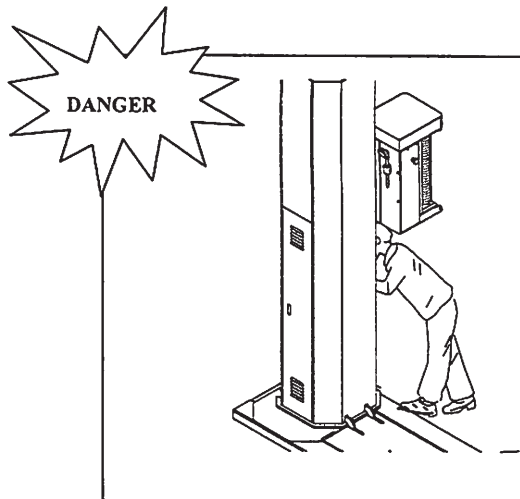


Fig. 1-4

See Fig. 1-5

Don't put hands the area between the film carriage and the column while machine is running.

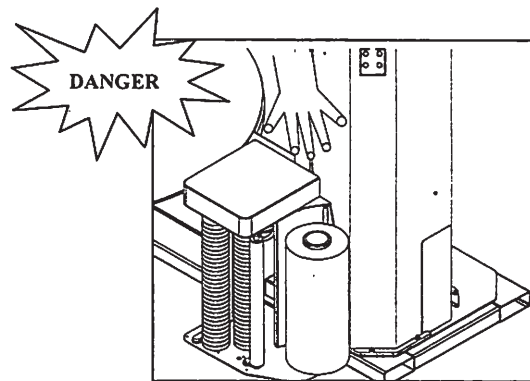


Fig.1-5

See Fig. 1-6

Don't touch the pallet when the machine is running.

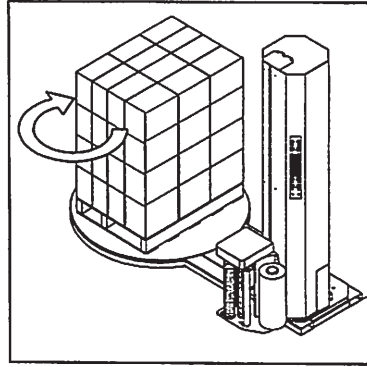


Fig. 1-6

See Fig. 1-7

Don't stand on the turntable when machine is running.

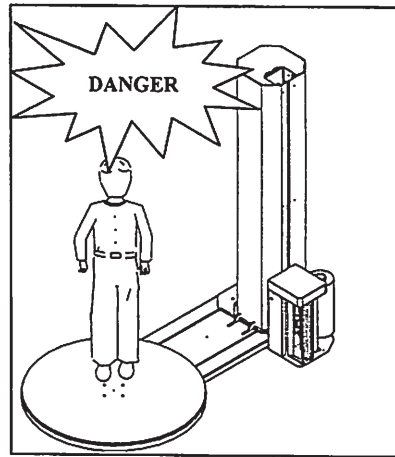


Fig. 1-7

See Fig. 1-8

Don't stand between the column and the pallet when machine is running.

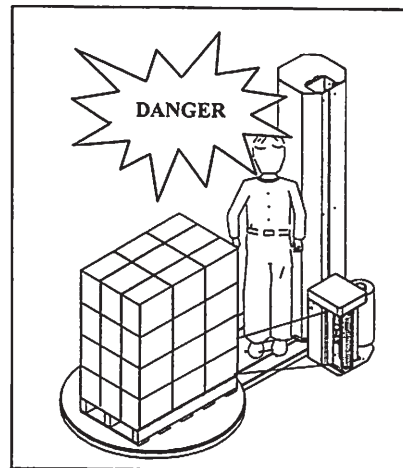
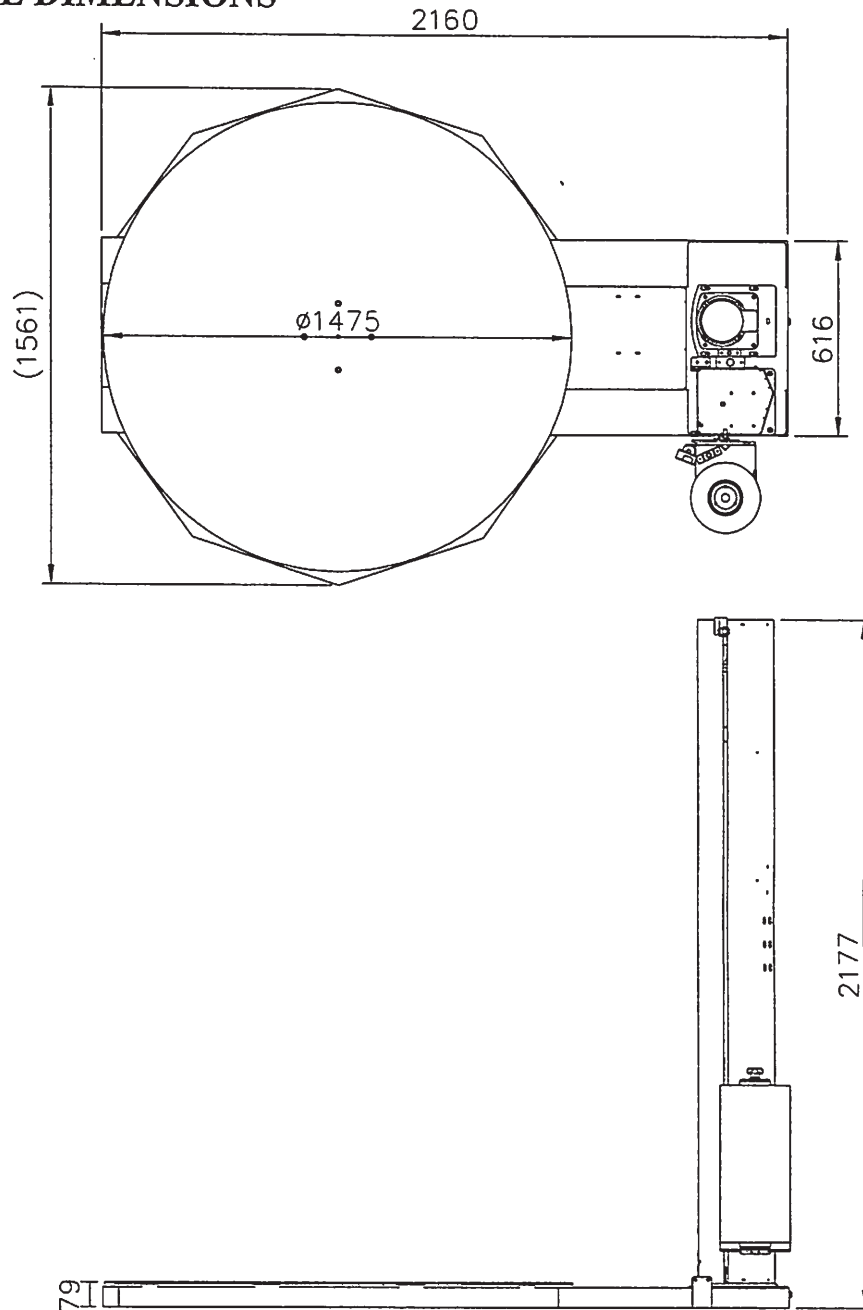


Fig. 1-8

2. MACHINE DIMENSIONS

2.1 MACHINE DIMENSIONS



2.2 MACHINE SPECIFICATIONS mm(inch)

	Machine Specifications mm(inch)
length	2160m(85.04")
width	1581mm(62.24")
height	2177mm(85.70")
Turntable diameter	φ 1475mm
Turntable height	79mm(3.11")
Maximum load	1300 kg / 2900lbs.

2.2 FILM CARRIAGE ASSEMBLY

(Per Fig. 2-1)

(A) FILM

(B) ROLLER

(C) PHOTO SENSOR FIXED PLATE

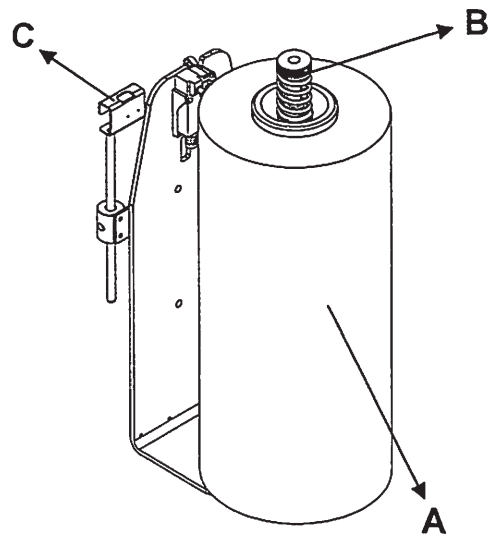


Fig 2-1

Per Fig. 2-2

Film roll dimensions

(Per table below)

Description	Specification
Film Quality	LLDPE
Film width	500 mm
Film Length	1000 m, 1500 m
Film Thickness	15 μ , 16 μ
Film carriage diameter	\varnothing 76 mm

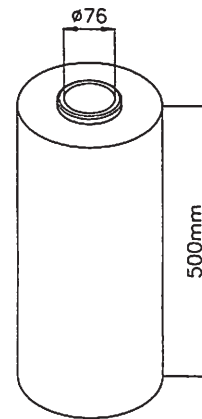
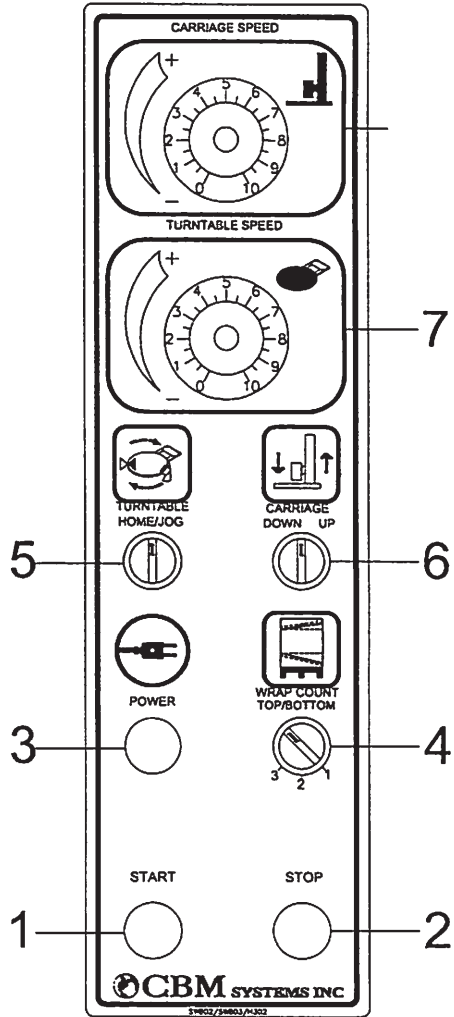


Fig. 2-2

3. OPERATIONS AND ADJUSTMENT

3.1 CONTROL PANEL :



ITEM	DESCRIPTION
1	Start
2	Stop
3	Power Light
4	Wrap count top/bottom
5	Turntable home(turn left)/Turntable manual jog(turn right)
6	Manual carriage up/down switch
7	Turtable speed

3.2 OPERATION

STRAT : (Per Fig 3.2-1)

When the above settings are set and the start Button is pushed, the machine will automatically go through its functions based on the settings.



Fig 3.2-1

STOP BUTTON: (Per Fig 3.2-2)

- ◆ When stop is depressed, the button will lock. To reset, turn clockwise then pull out.
- ◆ When button is reset, start button needs to be Depressed again to start.

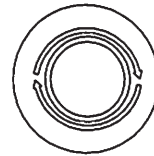


Fig 3.2-2

POWER LIGHT: (Per Fig 3.2-3)

Plug the power line to an outlet, then open the electrical box and turn on the main switch.

Check if the power lamp turns on.

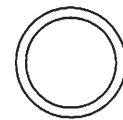
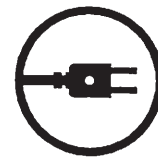


Fig 3.2-3

WRAP COUNT TOP/BOTTOM SWITCH :

(Per Fig 3.2-4)

Shift to position1, TOP/BOTTOM wrap 1 loop each.
Shift to position2, TOP/BOTTOM wrap 2 loop each.
Shift to position3, TOP/BOTTOM wrap 3 loop each.

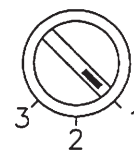


Fig 3.2-4

TURNTABLE HOME(TURN LEFT)/ TURNTABLE MANUAL JOG (TURN RIGHT): (Per Fig 3.2-5)

- ◆ Turntable home button push once.
- ◆ Turntable will turn slowly until home position is sensed, then the light will turn on.

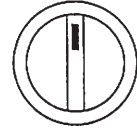
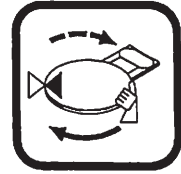


Fig 3.2-5

MANUAL CARRIAGE UP/DOWN : (Per Fig 3.2-6)

- ◆ Turn right to move up.
- ◆ Turn left to move down.

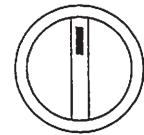
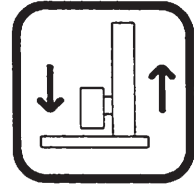


Fig 3.2-6

TURNTABLE SPEED: (Per Fig 3.2-7)

Clockwise turn will increase turntable speed.
Counter clockwise turn will decrease turntable speed.

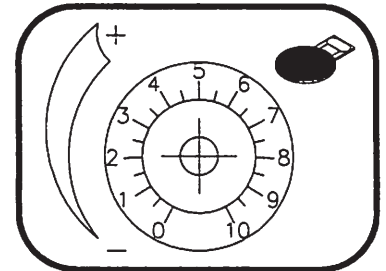


Fig 3.2-7

3.3 DESCRIPTION OF OPERATION (Per fig. 3-3-1)

1. Place pallet load on the turntable with forklift, place pallet directly on the turntable. If pallet jack is used, please use a ramp. (Optional accessory)

※PLEASE POSITION PALLET ON THE CENTER OF THE TURNTABLE

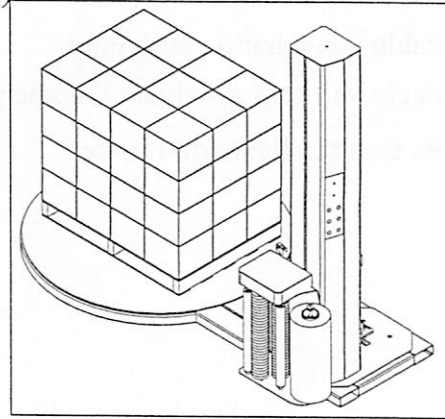


Fig. 3-3-1

2. Manually attach film to the lower portion of the pallet. (Per fig.3-3-2)

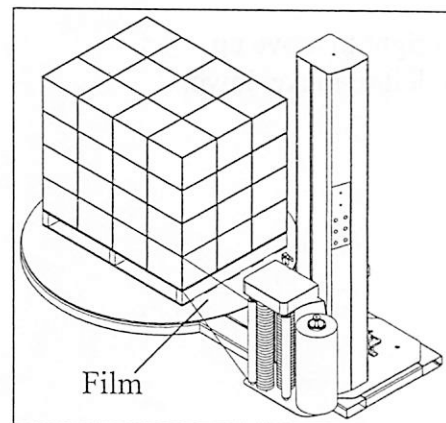


Fig. 3-3-2

3. Press-down start button to wrap automatically.

4. Prop up the carriage top blocker to prevent film loose. (Per Fig. 3.3-3A)

5. Press-down start button to wrap automatically.

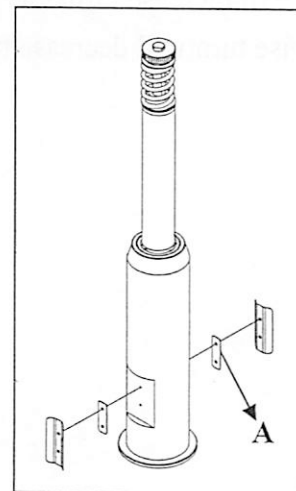


Fig. 3-3-3

6. After wrapping, cut the film in blade, then have the end of film stick to package that the wrapping action has finished.

7. Could use forklift or cart to move the package.

4. CLEANING

CLEANING

1. To extend the life of machine, regular maintenance should be made.
2. Turn off machine and unplug electrical cord.
3. Annually, take off turntable plate and blow clean turntable housing.
4. Clean film carriage of film waste.
5. Keep machine surrounding clean to avoid getting unwanted objects into machine.
6. If motor can't rotate please check the carbon is damage or not. (Per Fig. 4-1)

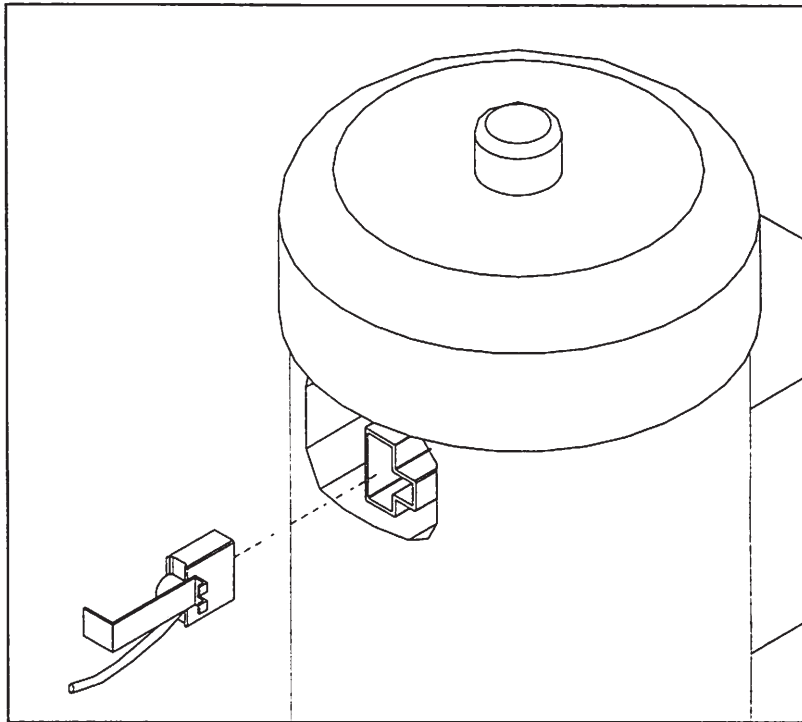


Fig. 4-1

5. FILM INSTALLATION STEPS

Follow step 1~2, please have film aimed at stretch mount shaft and put down.

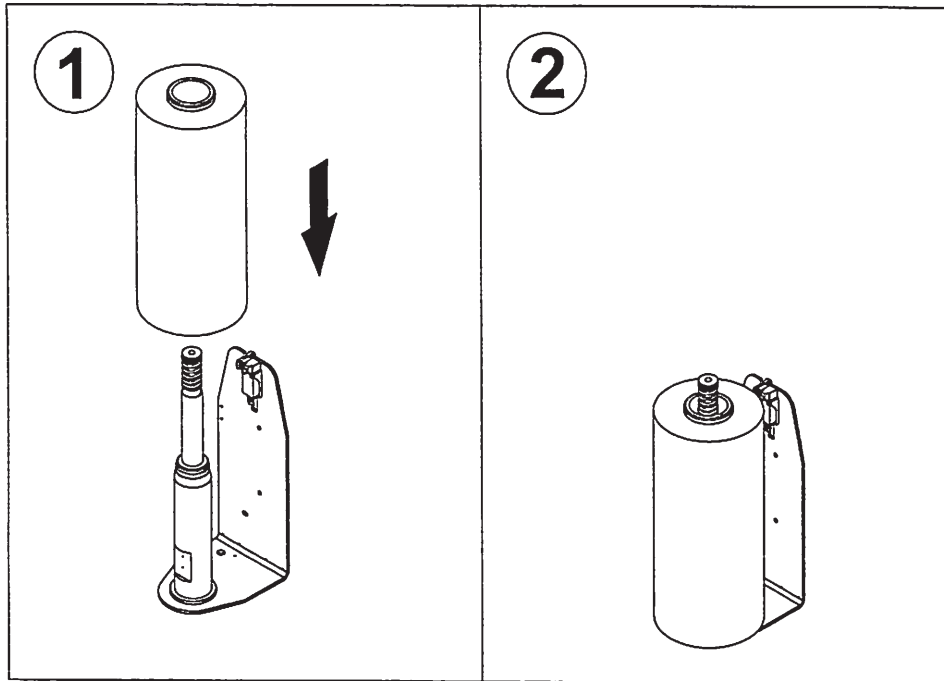


圖.5-1

6. ADJUSTED SENSOR TO CHECK WRAPPING HEIGHT

1. To check height of wrapped packages, use sensor attached to film carriage, Sensor mount could be adjusted for top and bottom of packet, if adjusted down the sensor will delay in releasing package that can have package.

PS. Release screw to adjust distance as needed (Fig 6-1, A), adjust to needed distance (Fig 6-1, B).

2. Adjust the distance of photo sensor :

- (1) The distance is 0~9 grade (Fig 6-1, C).
- (2) Regularly set on the biggest sensing distance 9(=2M).

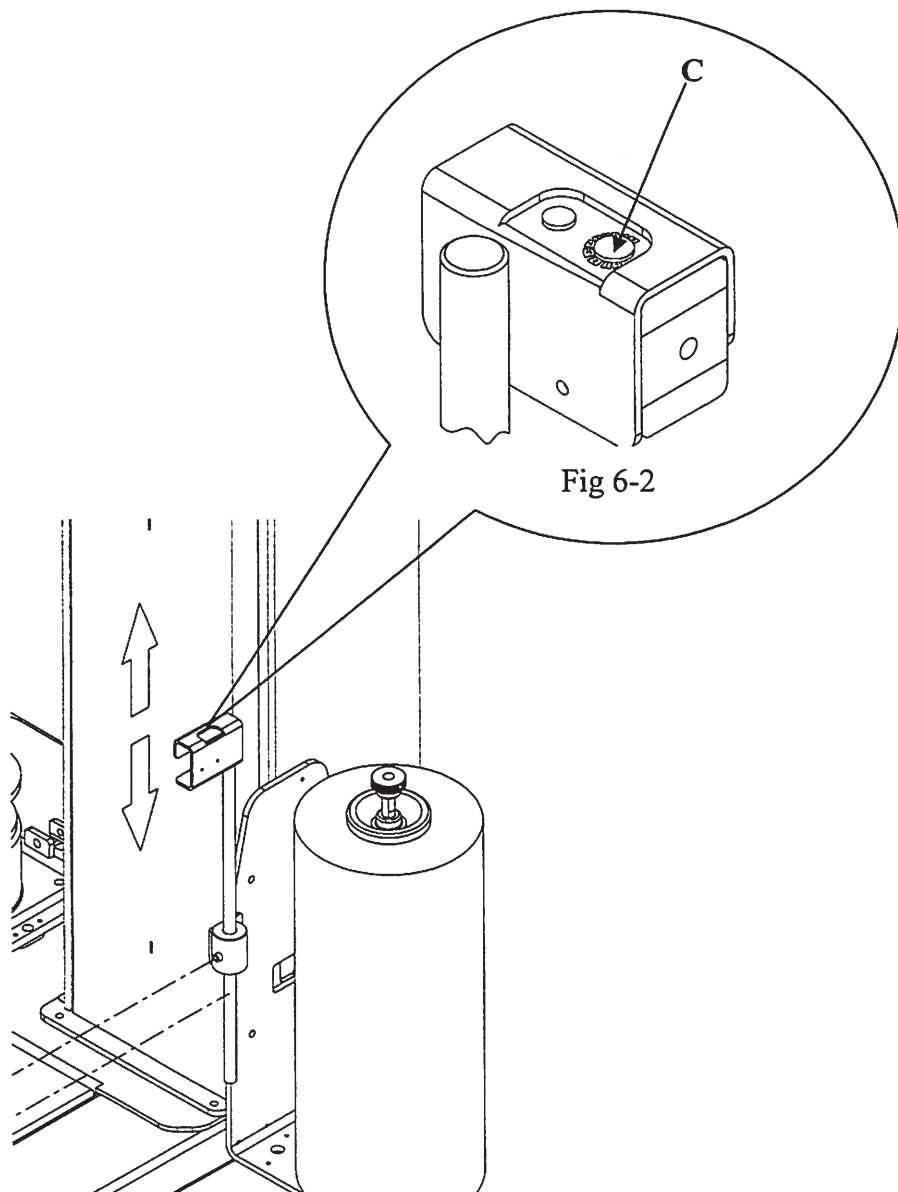


Fig 6-1

Fig 6-2

7. TROUBLE SHOOTING

※FOR YOUR SAFETY, SHUT DOWN MACHINE, SWITCH OFF POWER SUPPLY BEFORE DOING ANY CHECK, MAINTENANCE.

1. POWER SUPPLY NO RESPONSE :

- (1) Check fuse.
- (2) Check cable connection.
- (3) Check breaker inside control box .
- (4) Check general power supply.
- (5) General power is with 20 amp break protector, share to 5amp and 3amp breaker to do protect overload.

2. POWER INDICATOR IS NOT ON :

- (1) Check if bulb burnt out.

3. CARRIAGE STUCK :

- (1) Check if top/bottom limitation switch is damaged.
- (2) Check function of carriage motor, reducer, right turn, reverse turn.
- (3) Check if wire connection o.k., or disconnected.
- (4) Check if sensor if damaged which is used to detect pallet height

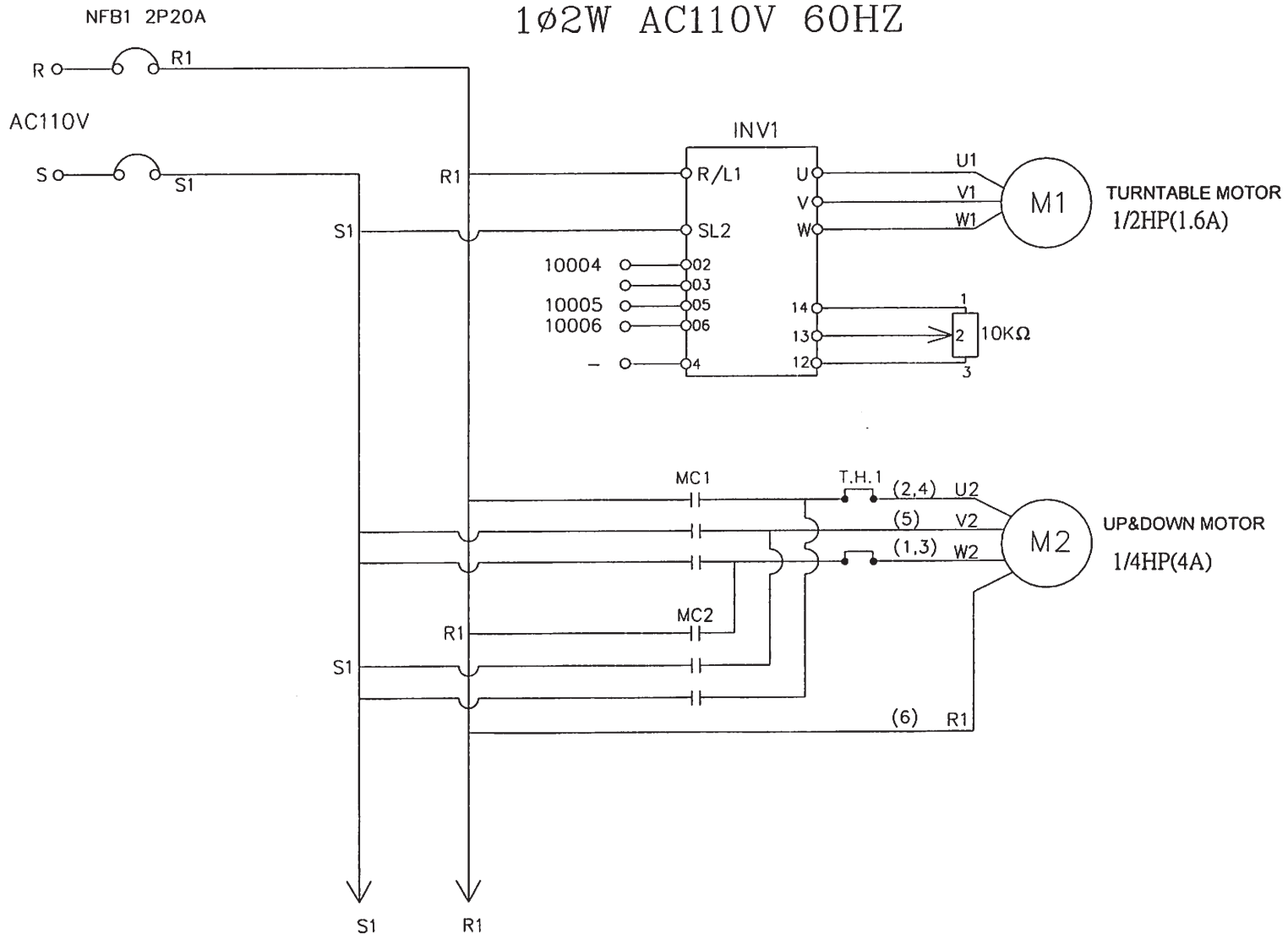
4. HOW TO EXTEND TENSION OF PRE-STRETCHED FILM :

- (1) Film carriage is in friction device. Adjusting the pressure of spring to have the tension of film run smoothly, and it's extension is more tighter that the wrap is average and will not become loose.

5. WHEN FILM BREAKS :

- (1) When pre stretch too tight, Film inclines to break. Adjusting the spring nut to control tension.
- (2) Check if film thread is correct.
- (3) Check if the peripheral of tape, change it as the tape is damaged.

0 1 2 3 4 5 6 7 8 9



15

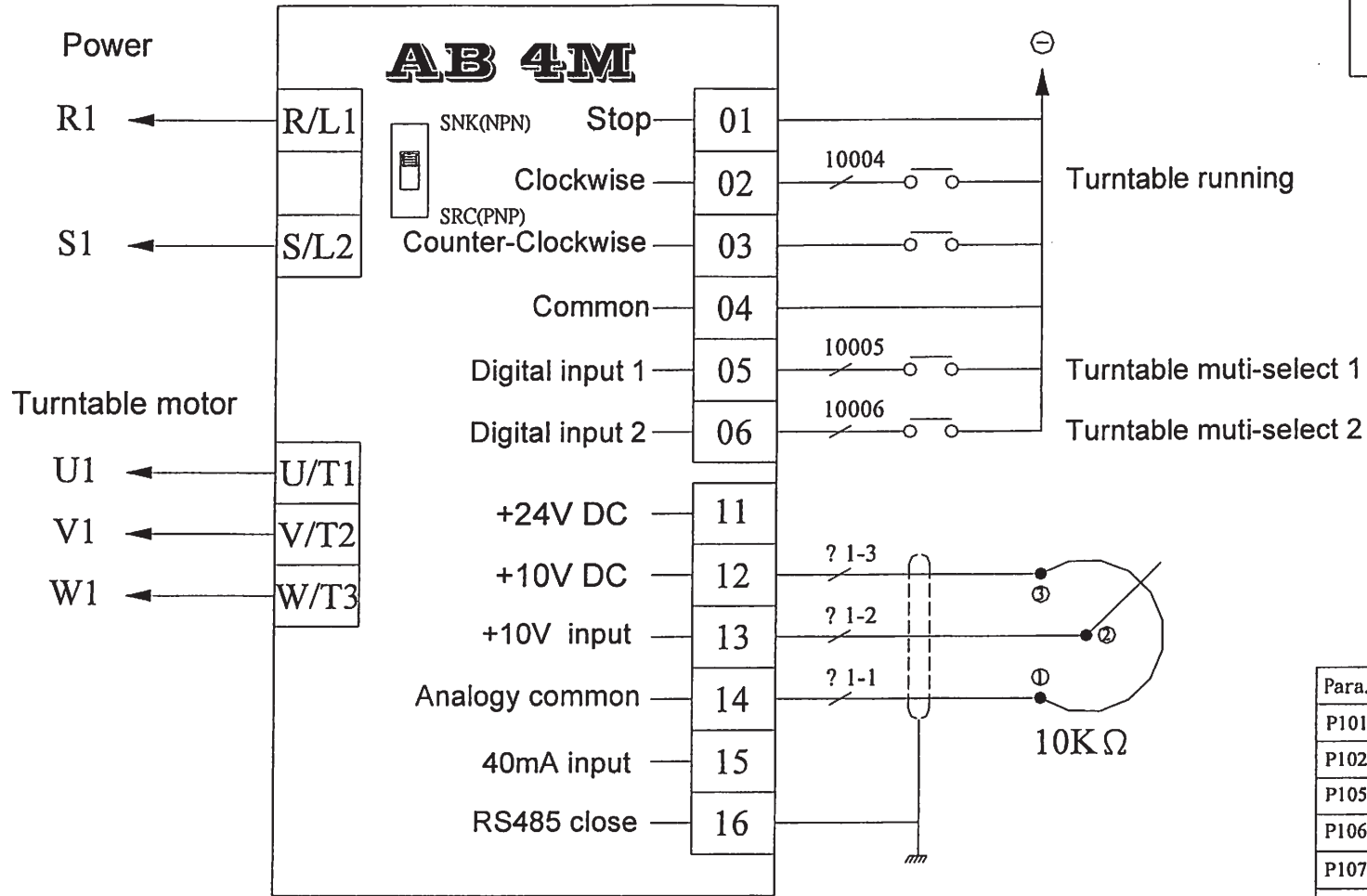
8. ELECTRICAL DIAGRAM

CBM SYSTEMS INC

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DESIGNER		DRAWER		CHECK		PAGE NO	01
						MFG NO	

INV-1

22FV2P5N103



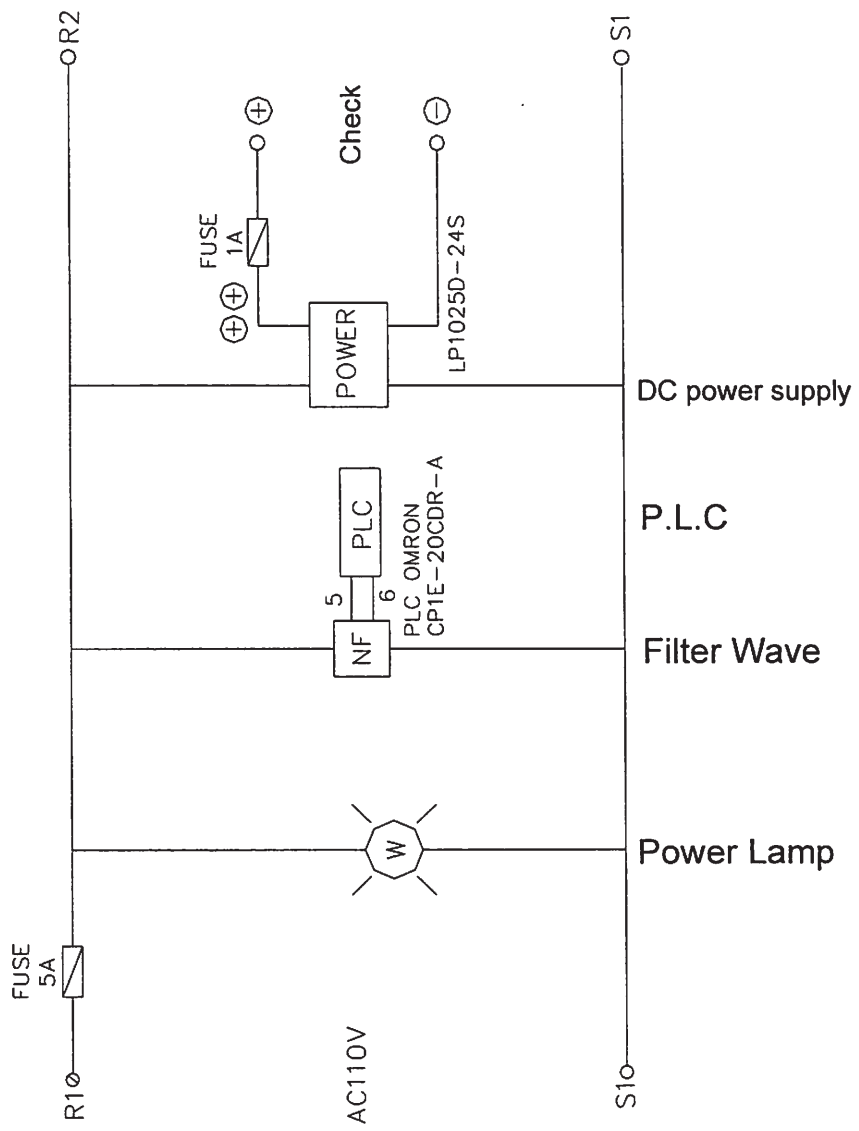
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P101	Motor Voltage	220	T201	I/O Terminal 5	
P102	Motor Frequency	60	T202	I/O Terminal 6	
P105	Max Frequency	70	A401	Accelerate Time 2	
P106	Power	2	A402	Reduce time 2	
P107	Stop Mode	0	A411	Preare Frequency 1	20
P108	Speed Refer	2	A412	Preare Frequency 2	
P109	Accelerate Time 1	6	A413	Preare Frequency 3	
P110	Reduce time 1	6			

16

CBM SYSTEMS INC

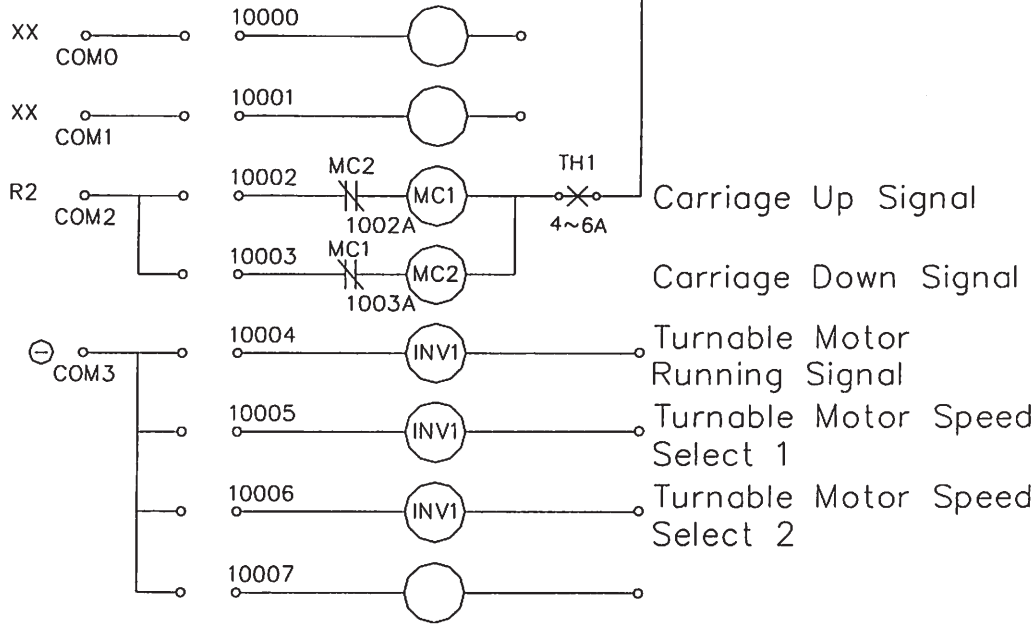
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DESIGNER		DRAWER		CHECK		PAGE NO	02
						MFG NO	

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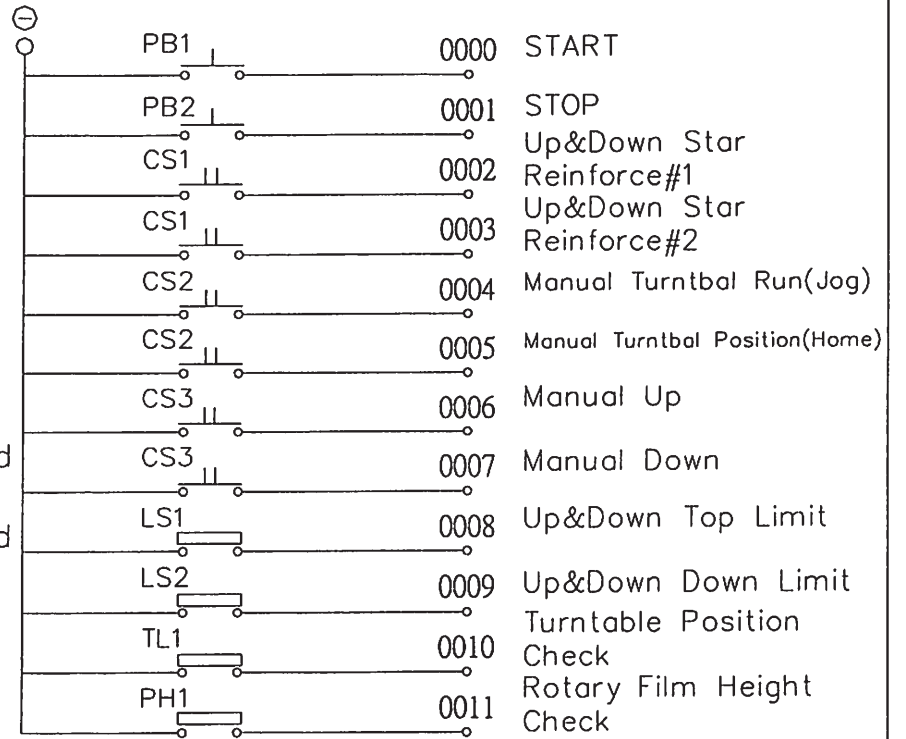


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							MFG NO	

P.L.C. COM



P.L.C. COM ⊕

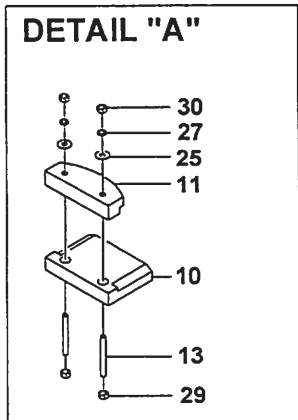
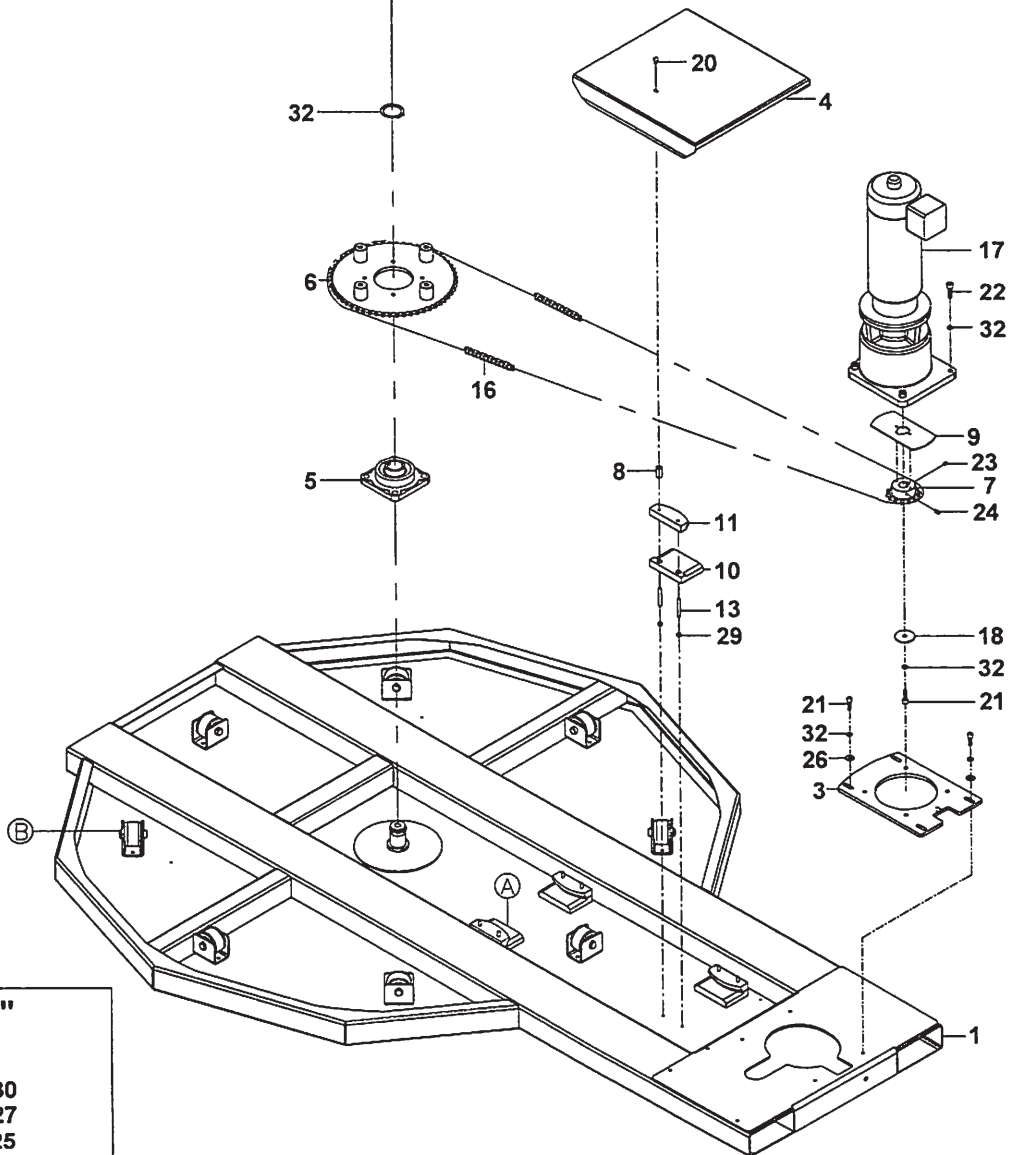
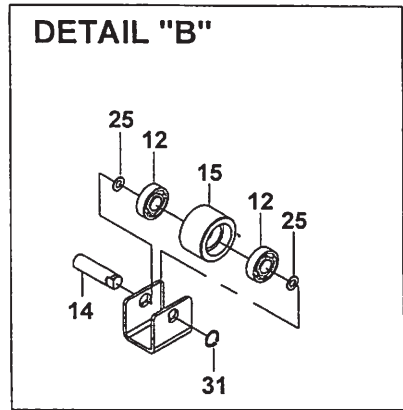
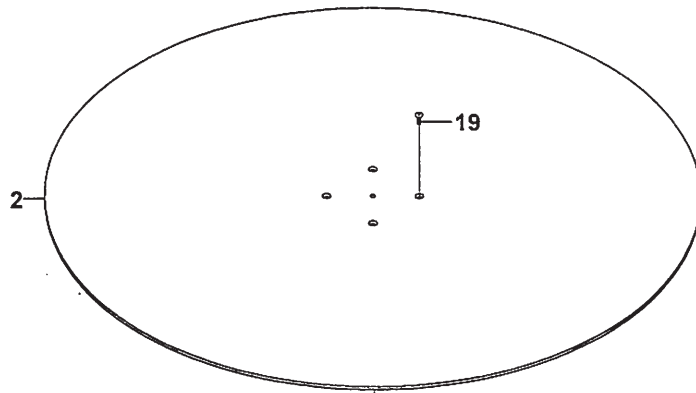


18

CBM SYSTEMS INC

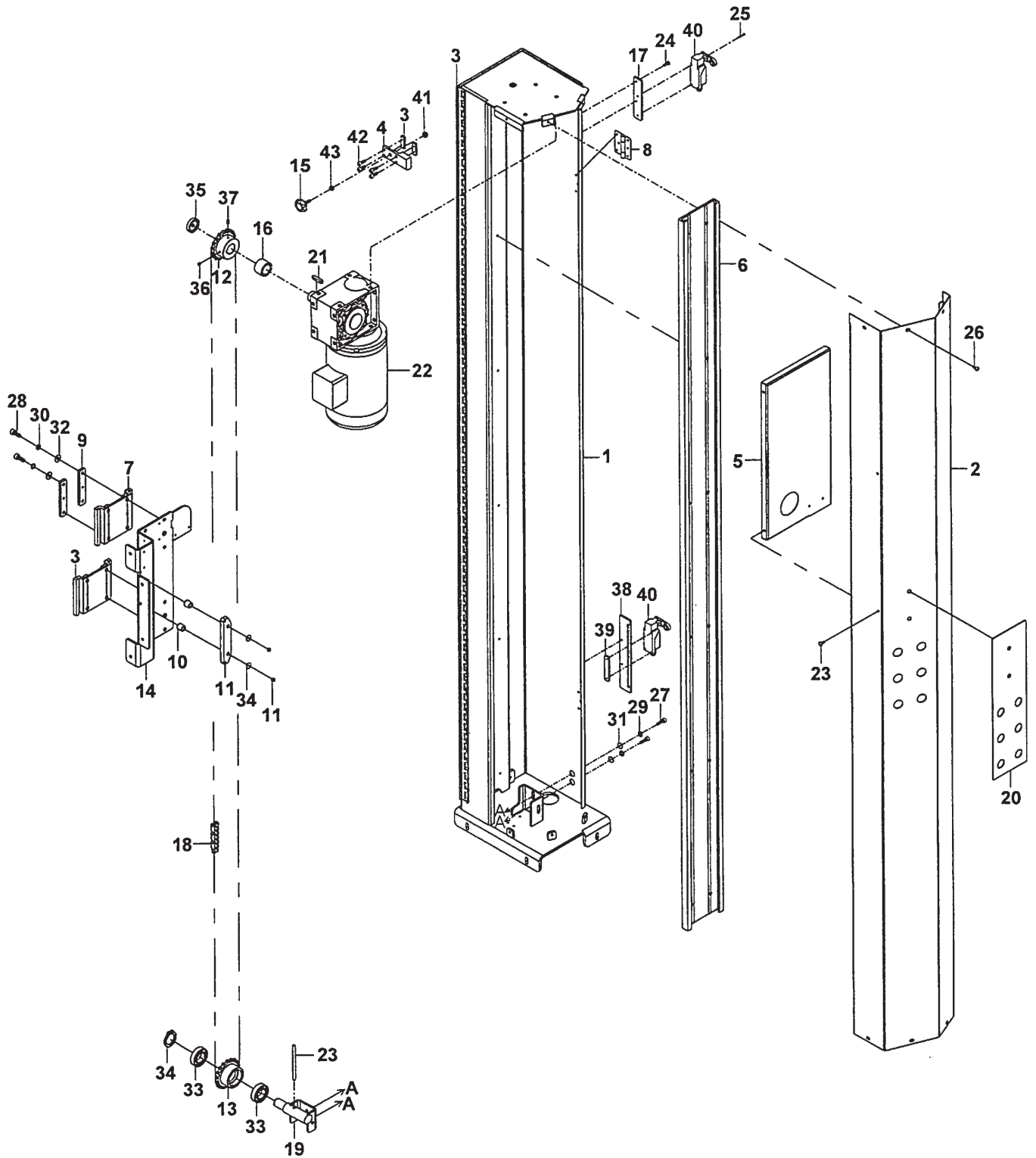
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						MFG NO	

9. FABRICATION



2B1EB107

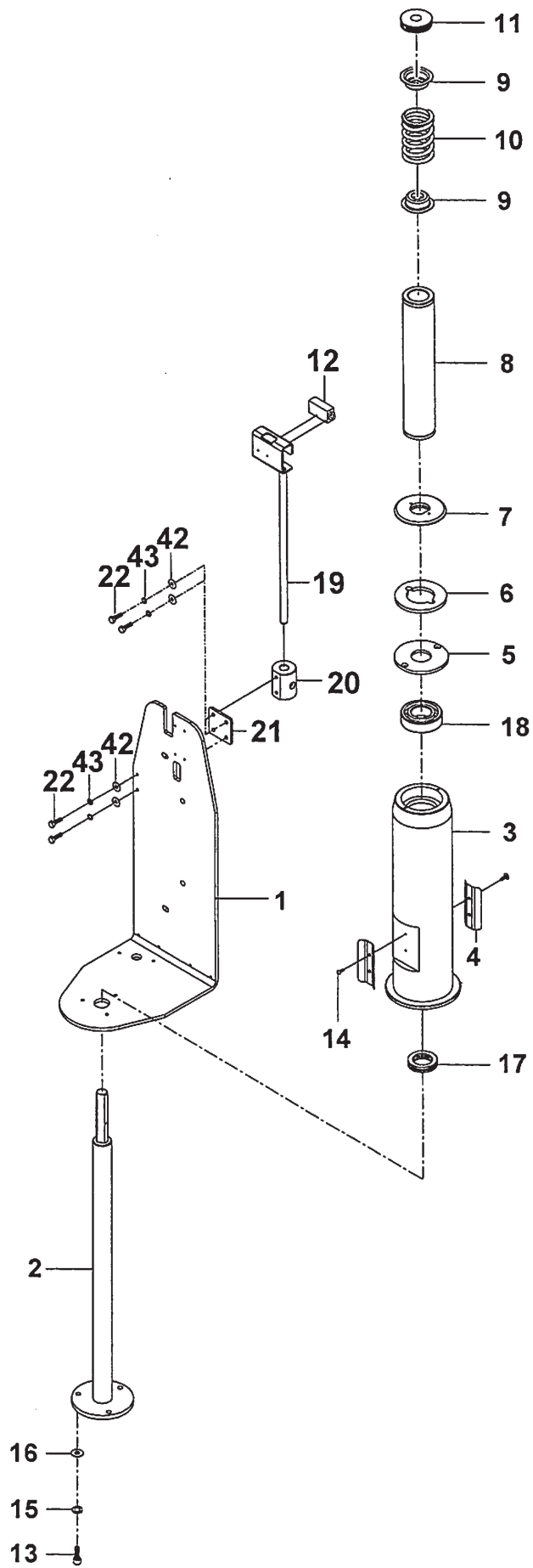
NO.	PART NO.	DESCRIPTION	Q,TY	NOTES
1	2T101003	TURNTABLE BASE	1	
2	2A102000	TURNTABLE	1	
3	2T103004	BRACKET, MOTOR	1	
4	08203710	COVER, CHAIN	1	
5	2A108006	BEARING UCF207	1	
6	2A109007	SPROCKET	1	
7	2A114008	SPROCKET, MOTOR DRIVING	1	
8	2A156007	SHAFT, COVER	1	
9	2A115008	LEVER, $\phi 152 \times 75 \times t3$	1	
10	2A110000	LOWER BLOCK, CHAIN	4	
11	2A111007	TOP BLOCK, CHAIN	4	
12	27280101	BEARING 6203ZZ	16	
13	2A155006	SHAFT , M6 x 50	8	
14	2A119000	SHAFT, ROLLER	8	
15	2A120000	WHEEL	8	
16	2713024	CHAIN RS50 x 10	1	
17	2T8A1050	MOTOR, LK-SV-11-50-0.4KW-A(3 ϕ 220V/380V,60HZ)	1	
18	2A148006	WASHER, SPROCKET $\phi 45 \times 4$	1	
19	2702007	SCREW, FLAT HEAD M10 x 30	4	
20	2701501	SCREW, ROUND HD M6 x 12	4	
21	2701029	SCREW, SOCKET HD M8 x 25	5	
22	2700023	SCREW, HEX HD M8 x 20	4	
23	2704001	SCREW, SOCKET SET M6 x 6	1	
24	2704002	SCREW, SOCKET SET M6 x 12	2	
25	2705102	WASHER, FLAT M6	4	
26	2705101	WASHER, FLAT M8	1	
27	2705202	WASHER, SPLIT LOCK M6	8	
28	2705203	WASHER, SPLIT LOCK M8	8	
29	2707020	NUT, HEX M6	4	
30	2707102	NUT, NYLOCK M6	6	
31	2706006	RING, S17	8	
32	2706010	RING, S35	1	



2T2EB201

NO.	PART NO.	DESCRIPTION	Q'TY	NOTES
1	2T201003	COLUMN	1	
2	2T203003	BOARD, SIDE SEAL	1	
3	2A205007	BLOCK, SUPPORT SLIDE 104x15x10	4	
4	2T217003	BRACKET, LIMIT PLATE	2	
5	2T247003	PANEL, CONTROL	1	
6	07500717	PULLEY	1	
7	28204007	SLIDER	2	
8	2883102	HIGNE	2	
9	2A206007	PLATE	4	
10	2A216007	PAD, CHAIN	2	
11	2A217007	PLATE, CHAIN	1	
12	2T220003	SPROCKET, DRIVE	1	
13	2A222007	SPROCKET, FOLLOWER	1	
14	2T202003	BASE, SLIDER	1	
15	2702099	SCREW, KNOB M6 x 25mm	1	
16	2T228003	PLATE, CHAIN ADJ. BRACKET	1	
17	2T216003	BRACKET, LIMIT SWITCH	1	
18	2A299007	CHAIN RS40 x 319T	1	
19	2T219003	ADJ. FOLLOWER	1	
20	2B248000	PANEL, OPERATION	1	
21	2A227001	KEY	2	
22	2B8A2050	REDUCER, GEAR LM-SNEM-50-80R-1/4 (1Ø 110V,60HZ)	1	
23	N512000	STICK M6 x 100	1	
24	2702034	SCREW, FLAT PHILIP M4 x 10	4	
25	2703226	SCREW, ROUND HD M3 x 25	8	
26	2703322	SCREW, ROUND HD M6 x 16	10	
27	2701002	SCREW, SOCKET HD M6 x 20	2	
28	2701023	SCREW, SOCKET HD M8 x 20	8	
29	2705202	WASHER, SPLIT LOCK M6	2	
30	2705203	WASHER, SPLIT LOCK M8	8	
31	2705102	WASHER, FLAT M6	2	
32	2705101	WASHER, FLAT M8	8	
33	27280041	BEARING, 6004ZZ	2	
34	2706015	RING, S20	1	
35	2T229003	PAD, SPROCKET ϕ 35 x L8	1	

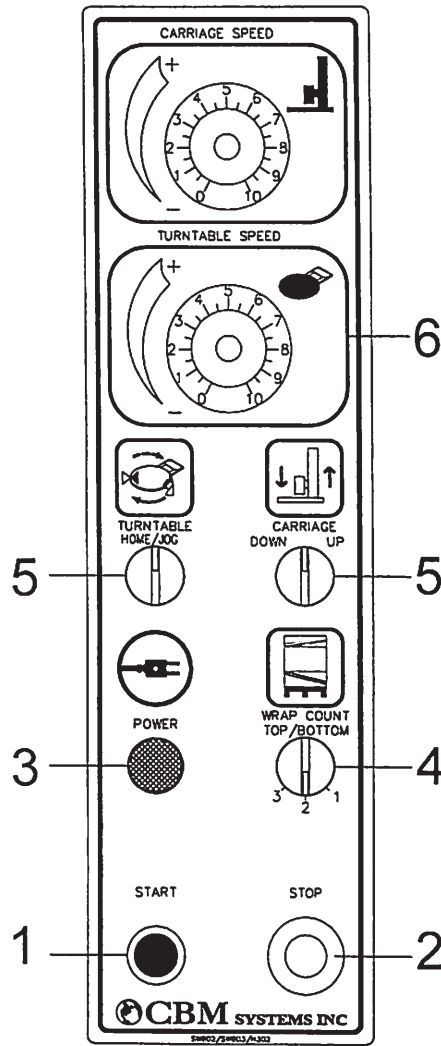
NO.	PART NO.	DESCRIPTION	Q'TY	NOTES
36	2704001	SCREW, SOCKET SET M6 x 6	1	
37	2704002	SCREW, SOCKET SET M6 x 10	1	
38	08203217	PLATE, LIMIT SWITCH SUPPORT 210 x 35 x t4	1	
39	08203218	PLATE, LIMIT SWITCH SUPPORT 70 x 14 x t4	1	
40	2853308	SWITCH, LIMIT TE XCE-118	1	
41	2707102	NUT, NYLOCK M6	1	
42	2701034	SCREW, SOCKET HD M5x16	4	
43	2707020	NUT, HEX M6	1	



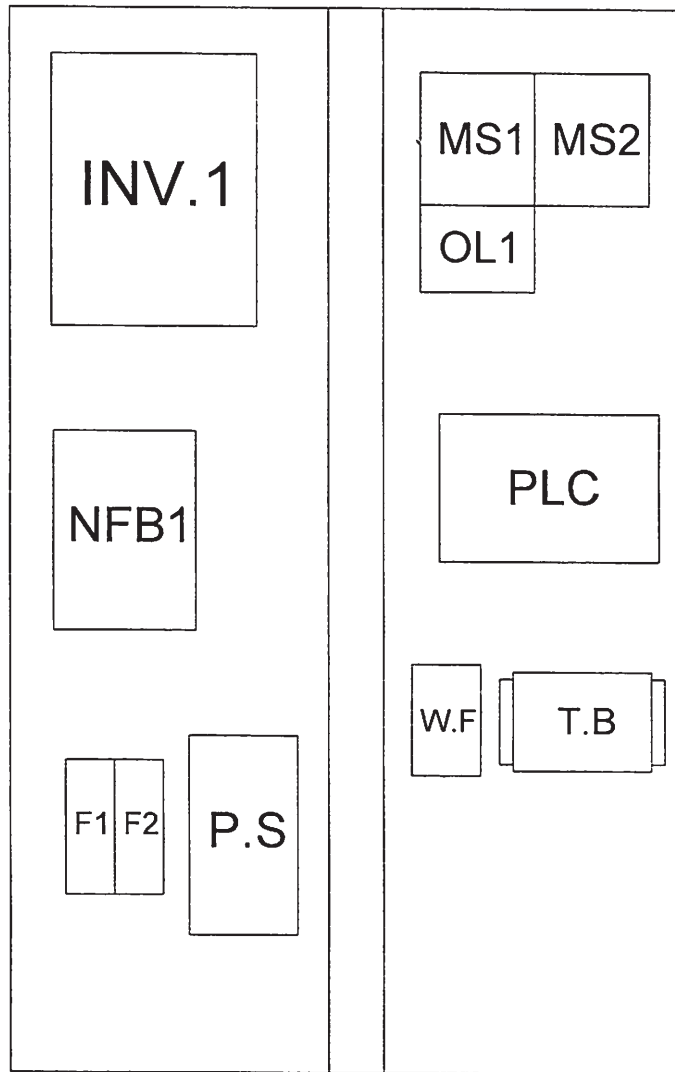
2M3AL003

NO.	PART NO.	DESCRIPTION	Q'TY	NOTES
1	2T301003	BRACKET, FILM CARRIAGE	1	
2	2A315001	SHAFT, FILM CARRIAGE	1	
3	2A316012	BEARING, FILM CARRIAGE ϕ 95 x 300	1	
4	10504	BLOCKER	2	
5	2A316022	PLATE, ϕ 68 x t4	1	
6	2A316032	PLATE, FRICTION ϕ 65 x t10	1	
7	2A366000	BRACKET	1	
8	2A329001	ROLLER	1	
9	2A344000	SPACER, SPRING	2	
10	2A345000	SPRING, FILM CARRIAGE	1	
11	2A346000	NUT, ADJUSTABLE	1	
12	2850710	SENSOR, PHOTO FOTEK FR-2MX	1	
13	2701020	SCREW, SOCKET HD M6 x 16	3	
14	2701353	SCREW, OVAL HD M4 x 12	4	
15	2705202	WASHER, SPLIT LOCK M6	7	
16	2705102	WAHSER, FLAT M6	7	
17	2728950	BEARING, 51105	1	
18	2728005	BEARING, 6005ZZ	1	
19	2A347002	PHOTO SENSOR ASSEMBLY	1	
20	2A348001	SILDER BASE, SENSOR	1	
21	2M35000	PLATE, MOUNTING 50 x 50 x t4	1	
22	2700021	SCREW, HEX HD M6 x 20	1	

10. ELECTRICAL PART LIST



ITEM	PART NO.	DESCRIPTION	SPECIFICATION	Q'TY	NOTE
1	2871702	BUTTON, FLAT HEAD	TE ZB4-BA3(G)	1	
	2871732	SWITCH, CONTACT	TE ZB4-BZ-101		
2	2871617	SWITCH, MUSHROOM	TE ZB2-BS54	1	
	2871732	SWITCH, CONTACT	TE ZB4-BZ-101		
3	2871740	HEAD, INDICATOR LAMP	TE ZB4-BV01(W)	1	
	2871748	BODY, INDICATOR LAMP	TE ZB4-BV6		
4	2871724	SWITCH, SELECTOR 3	TE ZB4-BD3	1	
	2871734	SWITCH, CONTACT	TE ZB4-BZ103		
5	2871725	SWITCH, SELECTOR 3	TE ZB4-BD5(Reset)	2	
	2871734	SWITCH, CONTACT	TE ZB4-BZ-103		
6	2896441	RESISTOR	10 K Ω	1	
	2896418	KNOB, ROTATION	VARIABLE RESISTOR		



ITEM	PART NO.	DESCRIPTION	SPECIFICATION	Q'TY	NOTE
INV-1	2805725	INVERTER	22FV2P5N103 120VAC 0.5HP	2	
MS1 MS2	2810118	RELAY, MAGNETIC	SC-03 3a1b 110V	2	
OL1	2811190	RELAY, THERMAL	TRON 4-6A	1	
F1	2890040	FUSE	30mm 1A	1	
F2	2890041	FUSE	30mm 3A	1	
NFB	2801163	BREAKER, CIRCUIT	BW32AAG 2P20A	1	
P.L.C	28201000	P.C.L	CP1E-E20DR-A	1	
WF	2896107	FILTER, WAVE	YUNPEN YG06T5-6A	1	
PS	2896530-2	SUPPLY, POWER	LP1050D-24S	1	
TB	2843204	BLOCK, TERMIANL	PUW-20	10	