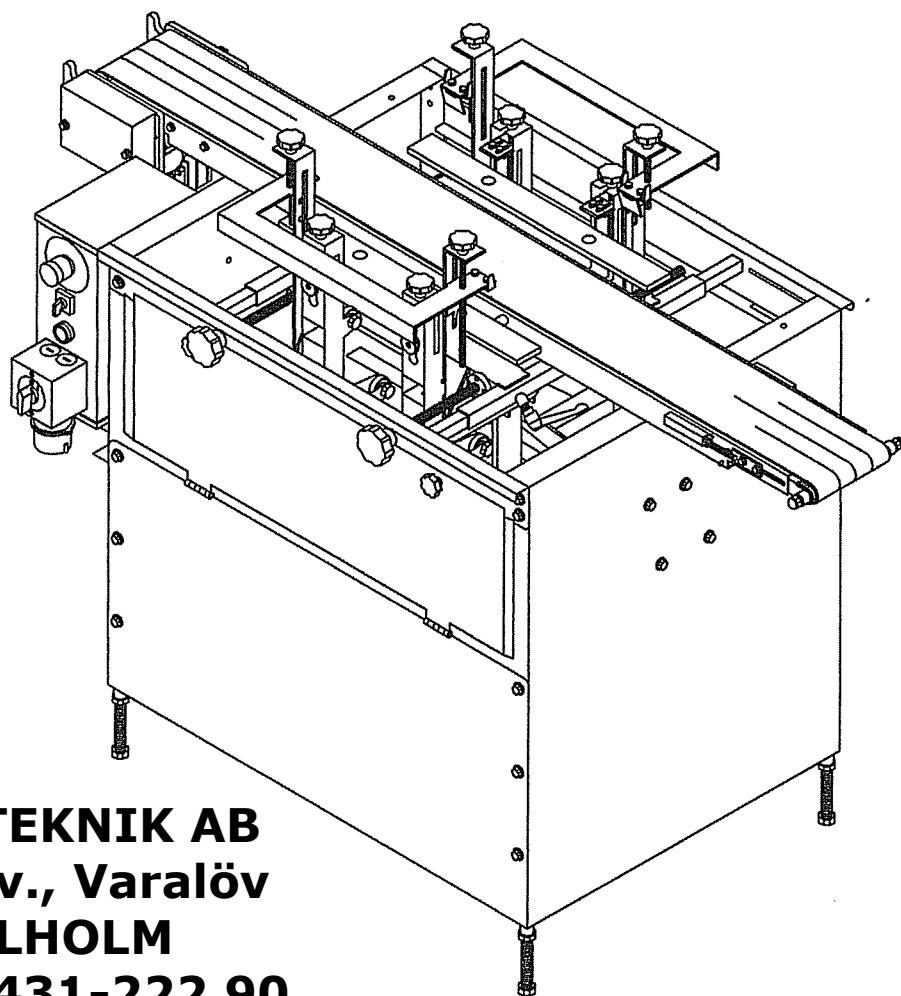




Traydispenser



TRÄDGÅRDSTEKNIK AB
Helsingborgsv., Varalöv
262 96 ÄNGELHOLM
Telephone: 0431-222 90
fax: 0431-222 70
E-mail: info@tradgardsteknik.se
Website: <http://www.javo.se>

For the safety of everyone!!

Always disconnect the electricity
from the machine when:

not in use

cleaning

performing maintenance

Keep hands, hair, loose clothing
and/or jewelry away from moving parts
of the machine.

Read the manual first before opera-
ting any equipment!!

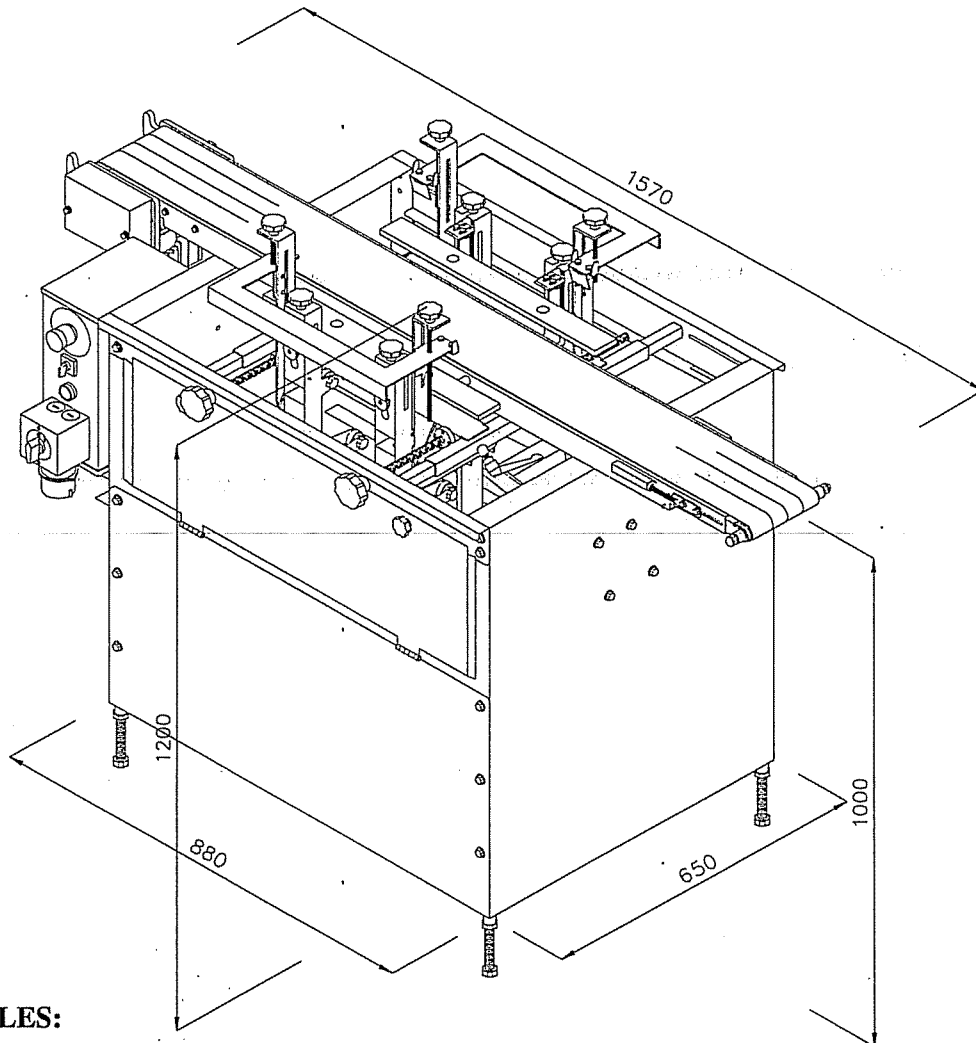
MANUAL FOR THE "JAVO" TRAY DISPENSER

19-03-97

TABLE OF CONTENTS

Page	Subject
2	Overall dimensions and safety rules
3	Installation
6	Fig.53 Frame
8	Fig.54 Separating strippers
10	Fig.55 Tray width adjustment
12	Fig.56 Drive gear
14	Fig.57 Conveyor belt
16	Fig.58 Electrical schematic

OVERALL DIMENSIONS



SAFETY RULES:

- a) Always disconnect the power cable before opening the side doors or removing the protective panels of the machine.
- b) Beware that loose hanging articles such as clothing, hair, jewelry etc. do not get caught in the moving parts of the machine.
- c) Make sure before starting the machine that everyone is "hands free" from the machine.
- d) Always take all possible safety precautions while the machine is operating and while connected to its electrical power source.
- e) Never move the machine while plugged in.

All technical specifications are subject to change without notice.
All rights reserved. No part of this work may be reproduced
or transmitted in any form or by any means, without written
permission from the manufacturer.

Installation

Place the tray dispenser in front of the conveyor of the Rotofill.

Remove the protection shield at the front of the Rotofill conveyor.

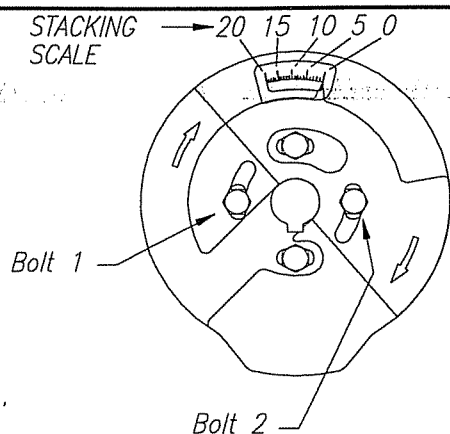
Adjust the height of the dispenser conveyor equal to the height of the Rotofill conveyor with the adjustable legs at the bottom corners of the dispenser.

Check if your power supply corresponds with the electrical specifications on the motors and check the rotation. If necessary have the rotation changed by an electrician.

Maintenance

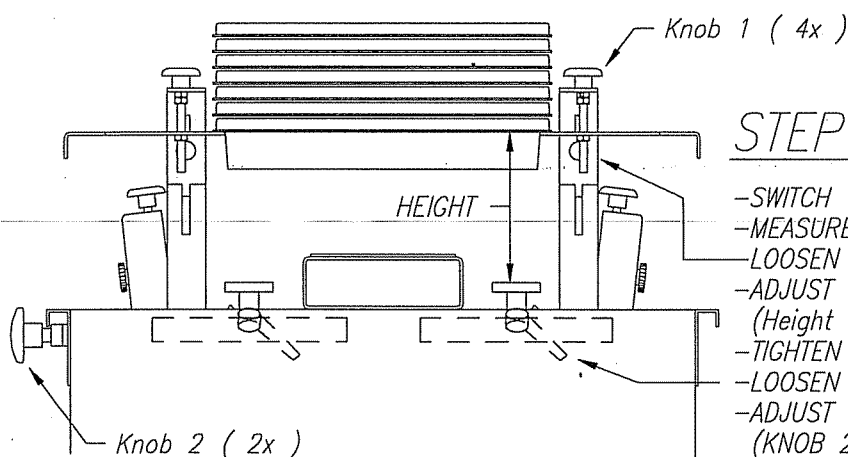
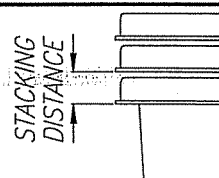
Lubricate the drive chain once a year.

Lubricate the guide rods frequently.



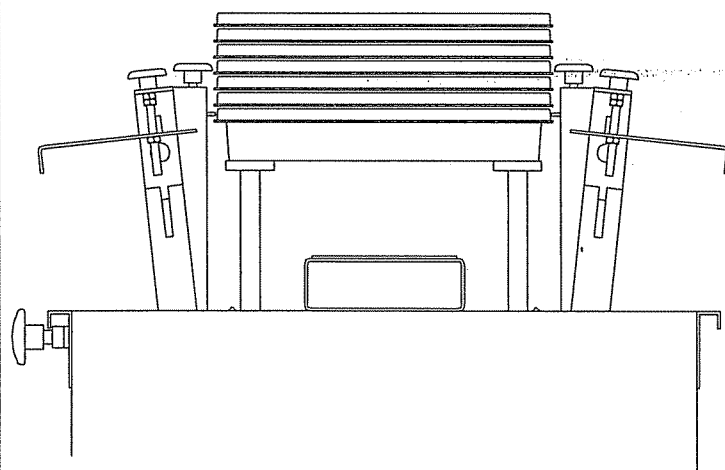
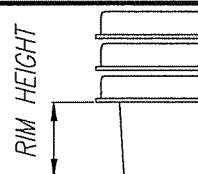
STEP 1

- SWITCH TO POSITION "2 ONDER" (DOWN)
- OPEN FRONT DOOR.
- MEASURE STACKING DISTANCE
- LOOSEN BOLTS 1 AND 2 FROM THE CURVE
- TURN THE DIAL PLATE TO THE EXACT SCALE (MM)
- TIGHTEN BOLTS 1 AND 2.
- CLOSE DOOR.



STEP 2

- SWITCH TO POSITION "2 ONDER" (DOWN)
- MEASURE THE RIM HEIGHT FROM THE TRAY
- LOOSEN LOCK BOLTS.
- ADJUST HEIGHT WITH KNOBS 1 (4 Corners)
(Height = Rim Height + 120mm)
- TIGHTEN LOCK BOLTS.
- LOOSEN THE 4 LOCK HANDLES
- ADJUST THE WIDTH ACCORDING TO THE TRAYS (KNOB 2)
- TIGHTEN THE 4 LOCK HANDLES.

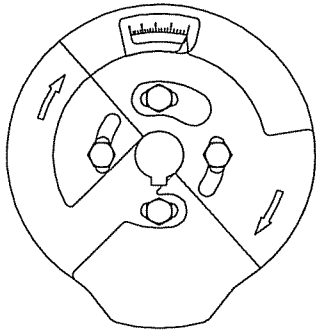


STEP 3

- SWITCH TO POSITION "1 BOVEN" (ABOVE)
- LOOSEN WING NUTS
- ADJUST THE STRIPPERS ACCORDING TO THE TRAYS
- TIGHTEN WING NUTS.
- REMOVE ALL TRAYS FROM DISPENSER.
- SWITCH TO POSITION "2 ONDER" (DOWN)
- PLACE A STACK OF TRAYS ON THE SUPPORTS
- SWITCH TO POSITION "3 AUTO"

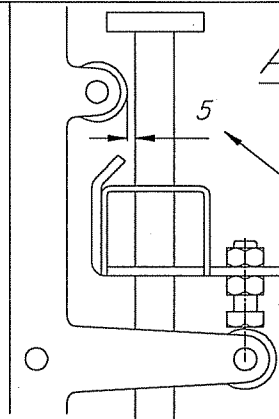
DURING ALL ADJUSTMENTS
TURN OFF THE MAIN SWITCH

BASIC ADJUSTMENTS



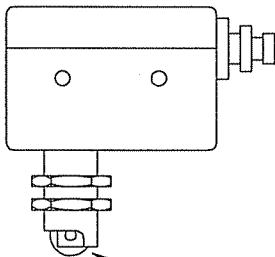
NOT APPLICABLE FOR CHANGING
TO DIFFERENT TRAYS

CHECK THE CORRECT ROTATION OF THE MACHINE
(SEE ARROW ON CURVE)



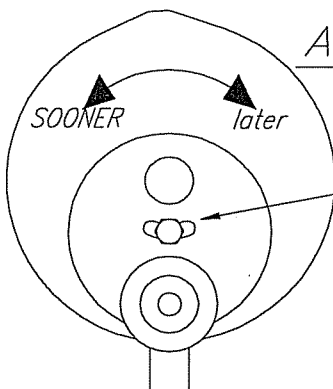
ADJUSTMENT FOR THE CONTACT BOLTS (4X)

- SWITCH TO POSITION "1 BOVEN" (ABOVE)
- CHECK IF THE CRANK SHAFT IS IN HIGHEST POSITION.
- ADJUST THE 4 BOLTS TO $\pm 1\text{mm}$ BETWEEN SHAFT AND BEARING.



MAKE SURE WHEN ADJUSTING THE CONTACT SWITCHES THAT
WHILE IN ENGAGED POSITION THE SHAFT CANNOT BE PUSHED
IN FURTHER THAN THE HOUSING (TO AVOID CRUSHING)
(BOTH SWITCHES)

SHAFT EVEN WITH HOUSING IN ENGAGED POSITION



ADJUSTMENT LOWER DEAD-CENTER POINT

- SWITCH TO POSITION "2 ONDER" (DOWN)
- CHECK LOWER DEAD-CENTER POINT
- IF THE CRANK SHAFT IS NOT IN ITS LOWEST
DEAD-CENTER POINT, LOOSEN THE BOLT AND
ADJUST THE CAM.
(Left=Sooner; Right=Later)

WHILE MAKING ADJUSTMENTS TO THE MACHINE
ALWAYS TURN OFF THE MAIN SWITCH.

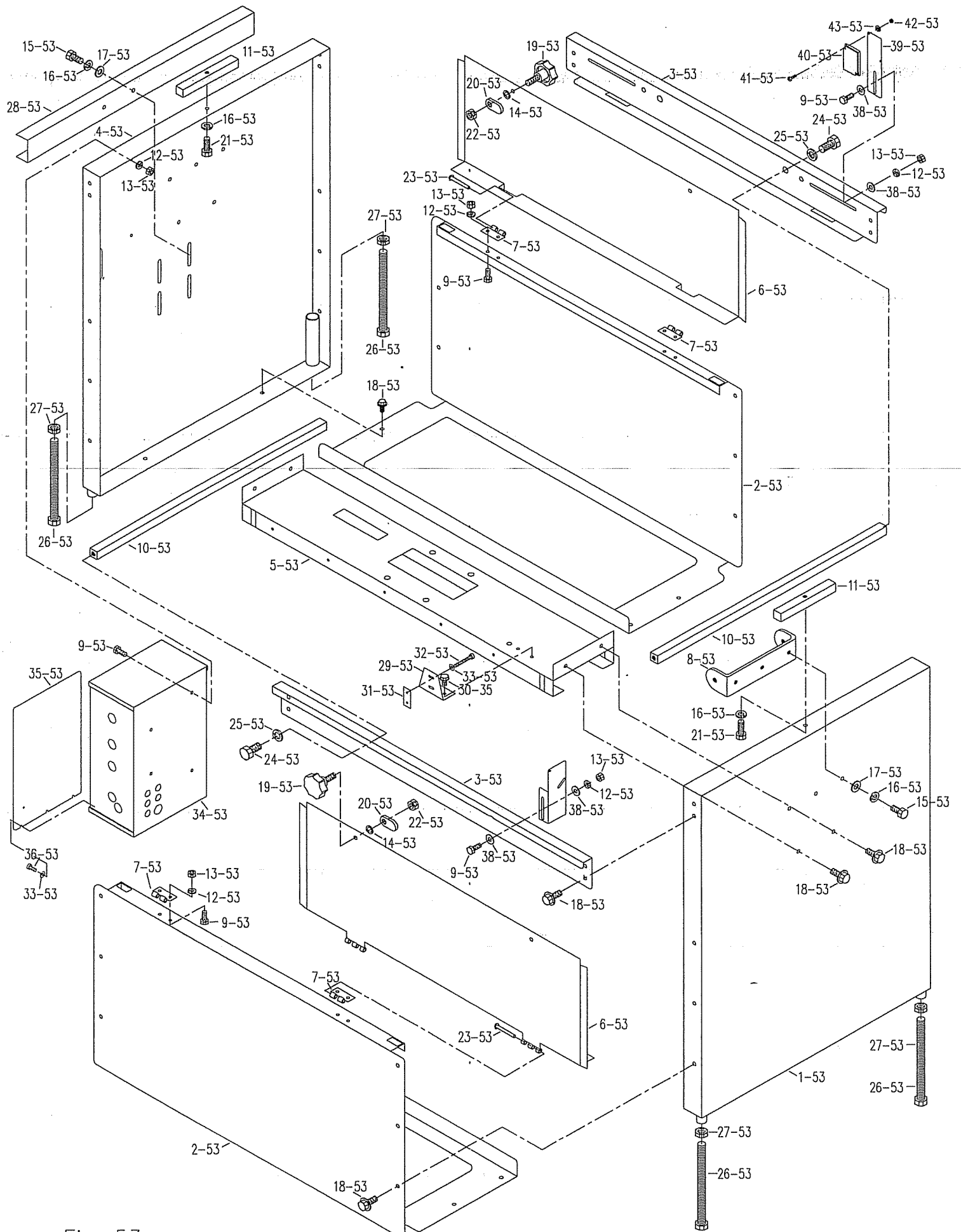


Fig. 53

FRAME

Nr.	Description	Remarks	Nr.	Description	Remarks
1-53	Front plate				
2-53	Side plate				
3-53	Upper side plate				
4-53	Rear plate				
5-53	Connecting beam				
6-53	Side door				
7-53	Hinge				
8-53	Hinge plate				
9-53	Bolt	M6x15			
10-53	Tubing				
11-53	Belt clamp				
12-53	Lock washer	M6			
13-53	Nut	M6			
14-53	Washer				
15-53	Bolt	M8x15			
16-53	Lock washer	M8			
17-53	Washer	M8			
18-53	Flange bolt	M8x20			
19-53	Knob	M8			
20-53	Treaded plate	M8			
21-53	Bolt	M8x20			
22-53	Nut	M8			
23-53	Hinge pin				
24-53	Bolt	M10x20			
25-53	Lock washer	M10			
26-53	Bolt	M16x200			
27-53	Nut	M16			
28-53	Rear beam				
29-53	Switch holder				
30-53	Flange bolt	M6x12			
31-53	Threaded plate				
32-53	Screw bolt	M4x30			
33-53	Washer	M4			
34-53	Electrical box				
35-53	Lid				
36-53	Screw bolt	M4x6			
37-53	Photocell holder				
38-53	Washer	M6			
39-53	Reflector holder				
40-53	Reflector				
41-53	Screw bolt	M3x10			
42-53	Lock washer	M3			
43-53	Nut	M3			

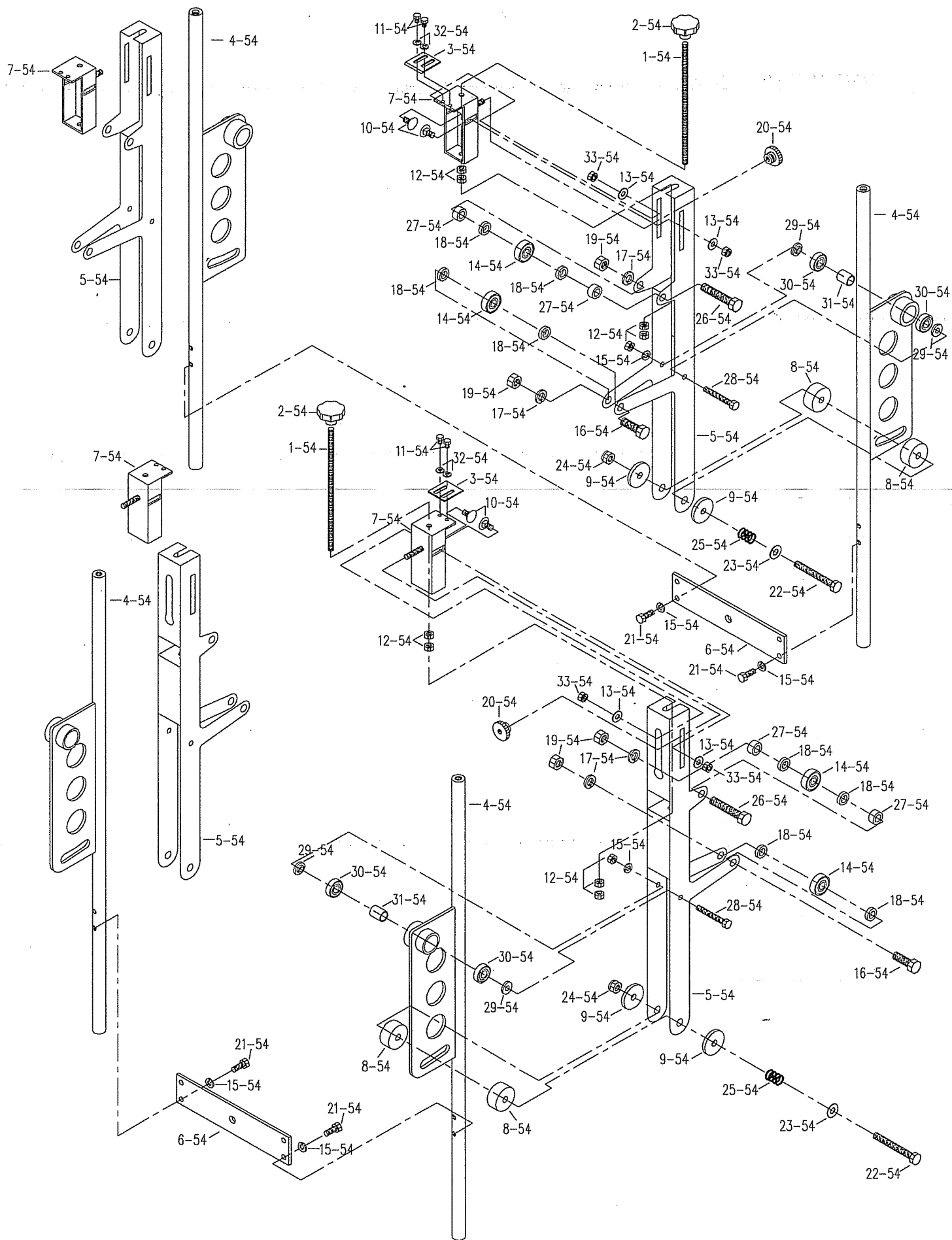


Fig. 54

SEPARATING STRIPPERS

Nr.	Description	Remarks	Nr.	Description	Remarks
1-54	Spindle	M8x220			
2-54	Knob	M8			
3-54	Stripper				
4-54	Push bar				
5-54	Stripper housing				
6-54	Support plate				
7-54	Stripper holder				
8-54	Aculon bushing				
9-54	Washer				
10-54	Carriage bolt	M8x16			
11-54	Bolt	M6x10			
12-54	Nut	M8			
13-54	Washer	M8			
14-54	Bearing	6201 RS			
15-54	Lock washer	M8			
16-54	Bolt	M12x35			
17-54	Lock washer	M12			
18-54	Spacer	5 MM			
19-54	Nut	M12			
20-54	Knob	M8			
21-54	Bolt	M8x20			
22-54	Bolt	M10x80			
23-54	Washer	M10			
24-54	Lock nut	M10			
25-54	Push spring				
26-54	Bolt	M12x60			
27-54	Spacer	10 mm			
28-54	Bolt	M8x55			
29-54	Insert washer				
30-54	Bearing	6001 RS			
31-54	Spacer				
32-54	Lock washer	M6			
33-54	Lock nut	M8			

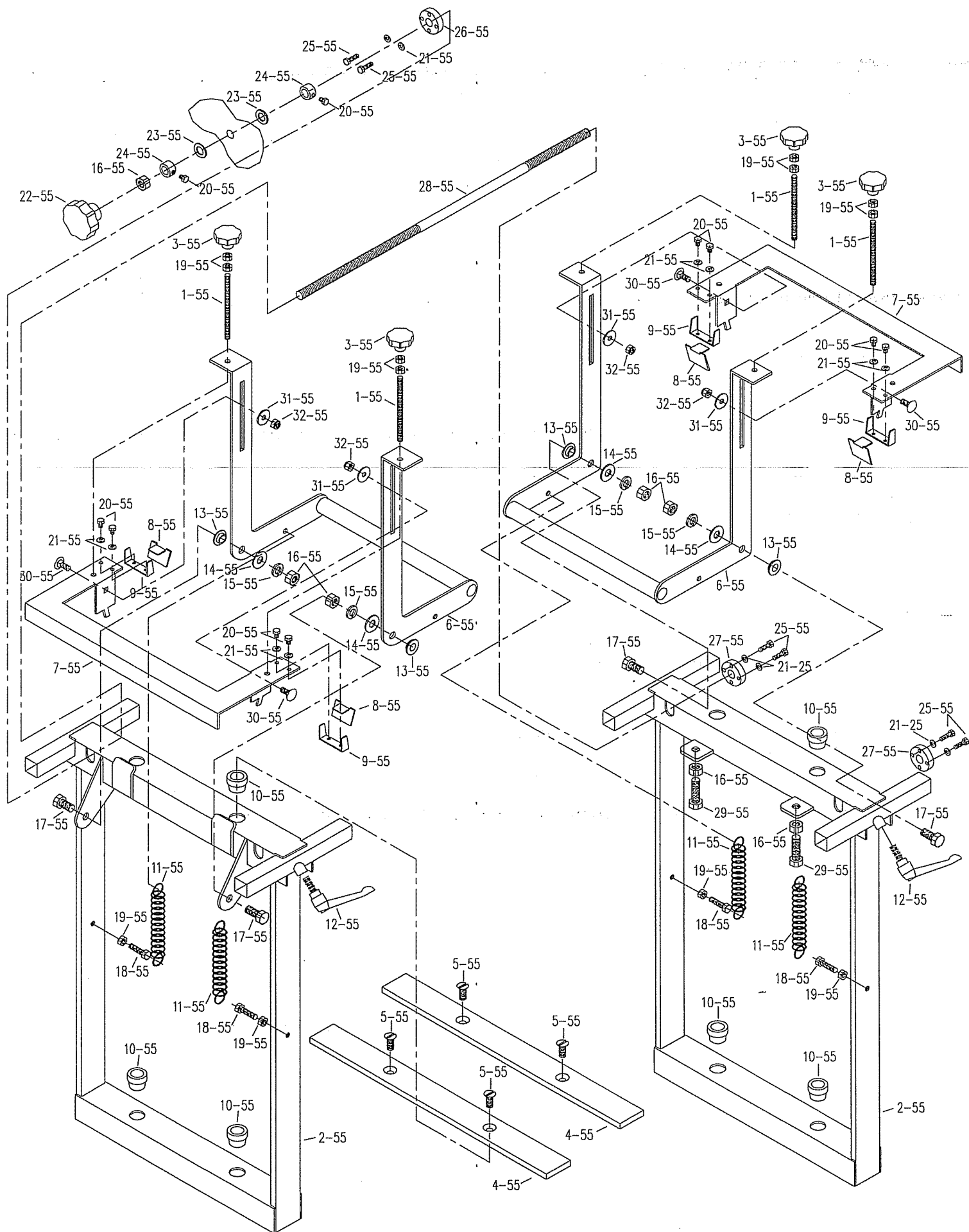
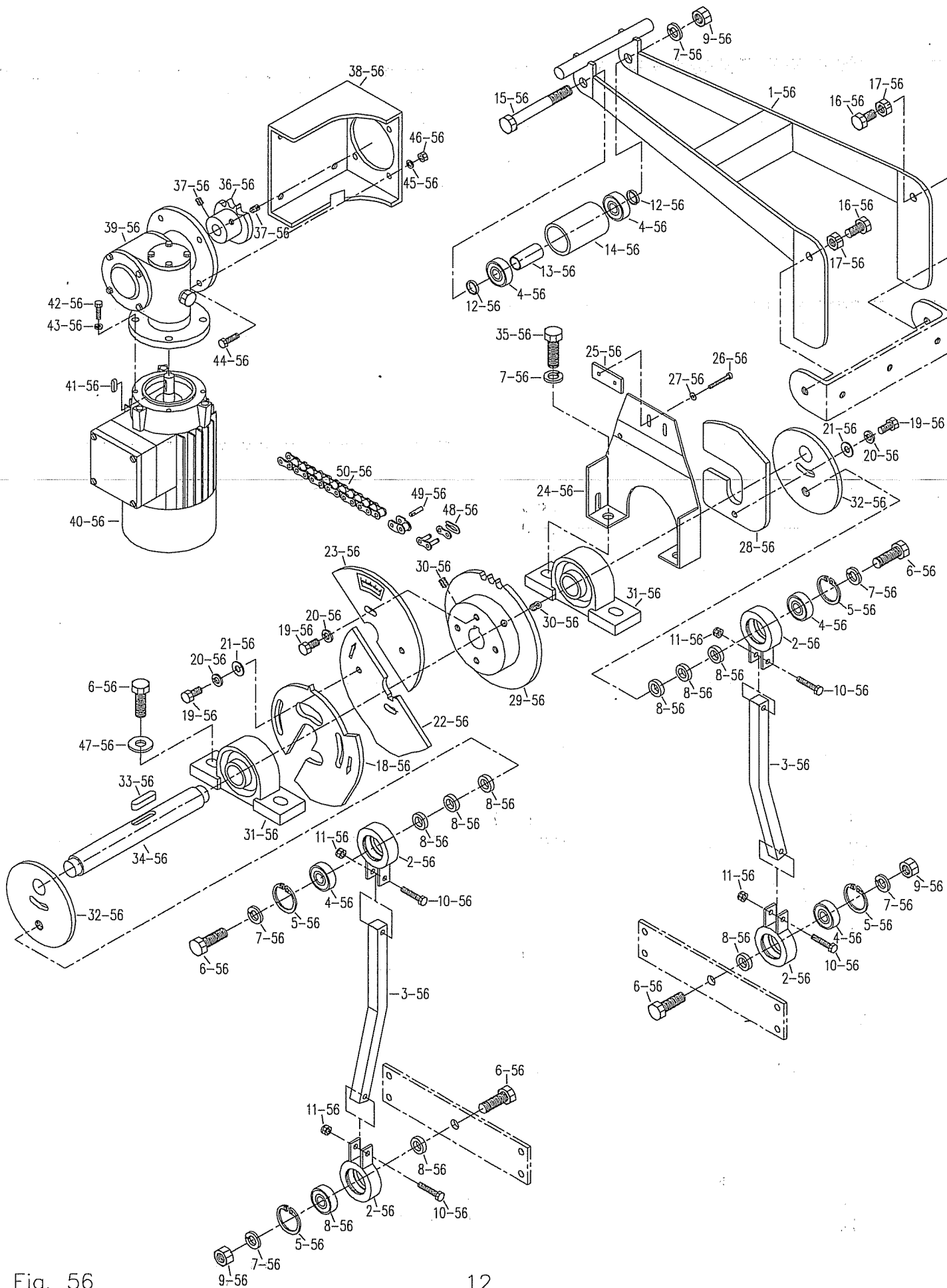


Fig. 55

TRAY WIDTH ADJUSTMENT

Nr.	Description	Remarks	Nr.	Description	Remarks
1-55	Spindle	M8x115			
2-55	Base frame				
3-55	Knob	M8			
4-55	Support bar				
5-55	Counter sink bolt	M10x20			
6-55	Pivot arm				
7-55	Stack holder brace				
8-55	Bottom guide				
9-55	Top guide				
10-55	Aculon bushing				
11-55	Spring				
12-55	Lock handle				
13-55	Insert washer				
14-55	Washer	M12			
15-55	Lock washer	M12			
16-55	Nut	M12			
17-55	Bolt	M12x25			
18-55	Bolt	M8x30			
19-55	Nut	M8			
20-55	Bolt	M6x10			
21-55	Lock washer	M6			
22-55	Knob	M12			
23-55	Aculon washer				
24-55	Lock ring	14 MM			
25-55	Bolt	M6x20			
26-55	Special nut	Right thread			
27-55	Special nut	Left thread			
28-55	Spindle	Left/Right			
29-55	Bolt	M12x40			
30-55	Carriage bolt	M8x20			
31-55	Large washer	M8			
32-55	Lock nut	M8			



DRIVE GEAR

Nr.	Description	Remarks	Nr.	Description	Remarks
1-56	Swivel		48-56	Connecting link	1/2"
2-56	Bearing house		49-56	Offset link	1/2"
3-56	Push bar		50-56	Chain	1/2", 44 links
4-56	Bearing	6201 RS			
5-56	Lock spring				
6-56	Bolt	M12x35			
7-56	Lock washer	M12			
8-56	Spacer				
9-56	Nut	M12			
10-56	Bolt	M6x30			
11-56	Lock nut	M6			
12-56	Spacer				
13-56	Spacer				
14-56	Bearing house				
15-56	Bolt	M12x90			
16-56	Bolt	M10x20			
17-56	Nut	M10			
18-56	Adjustment cam				
19-56	Bolt	M8x15			
20-56	Lock washer	M8			
21-56	Washer	M8			
22-56	Cam segment				
23-56	Dial segment				
24-56	Switch holder				
25-56	Threaded plate				
26-56	Screw bolt	M4x30			
27-56	Washer	M4			
28-56	Switch cam				
29-56	Sprocket	35 teeth 1/2"			
30-56	Allen bolt	M8x8			
31-56	Block bearing	P205			
32-56	Eccentric cam				
33-56	Key	8x35			
34-56	Shaft	25			
35-56	Bolt	M12x40			
36-56	Sprocket	12 teeth 1/2"			
37-56	Allen bolt	M8x8			
38-56	Motor holder				
39-56	Gearbox	1:23			
40-56	Motor	0,18kw, 1350Rpm, 1.04Amp			
41-56	Key	4 MM			
42-56	Bolt	M5x20			
43-56	Lock washer	M5			
44-56	Bolt	M6x20			
45-56	Lock washer	M6			
46-56	Nut	M6			
47-56	Washer	M12			

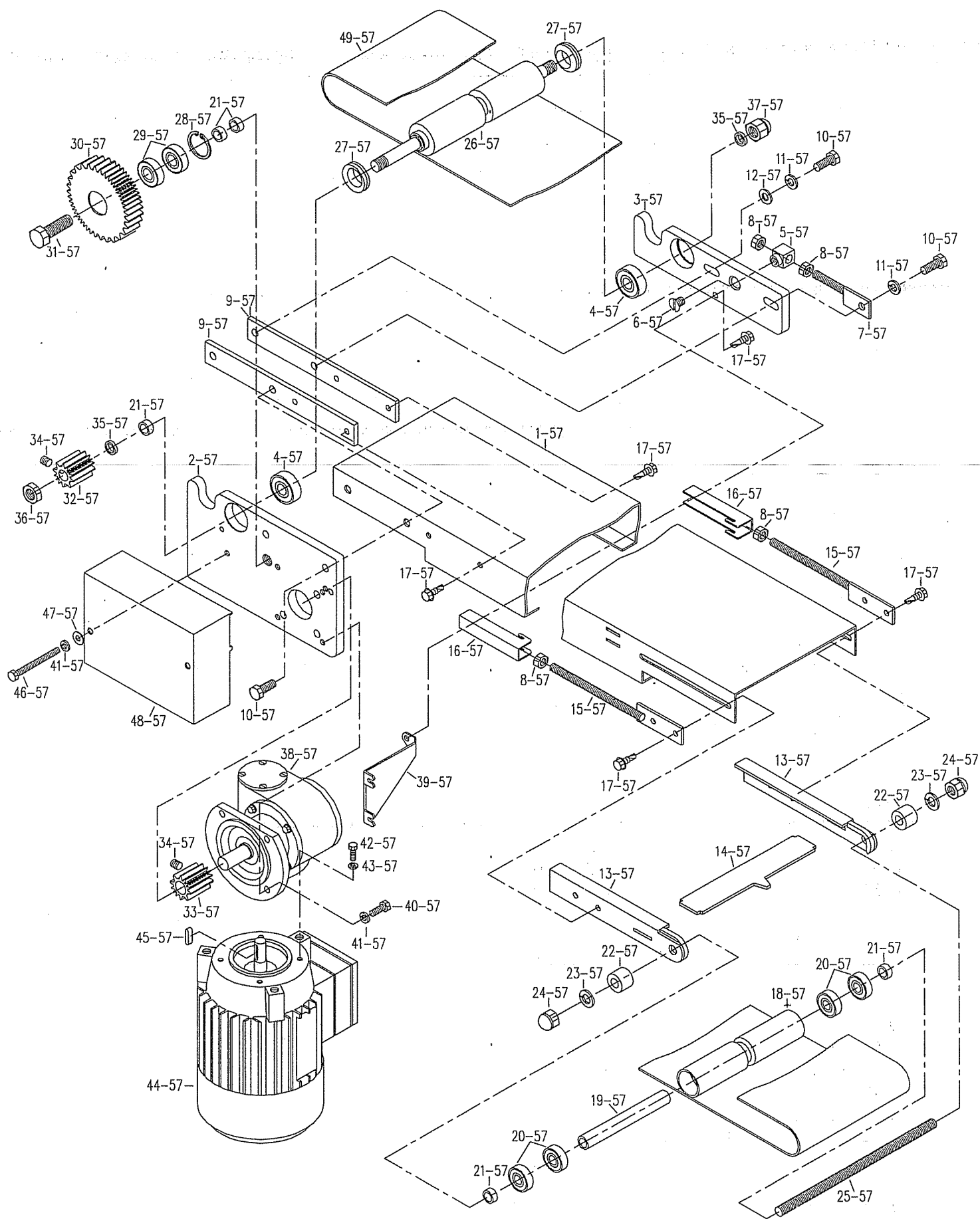


Fig.57

CONVEYOR BELT

Nr.	Description	Remarks	Nr.	Description	Remarks
1-57	Profile	150 MM	48-57	Protection cap	
2-57	Mounting plate large		49-57	Belt	
3-57	Mounting plate small				
4-57	Bearing	6201 RS			
5-57	Block				
6-57	Counter sink bolt	M8x6			
7-57	Adjuster				
8-57	Nut	M8			
9-57	Threaded plate				
10-57	Bolt	M8x20			
11-57	Lock washer	M8			
12-57	Washer	M8			
13-57	Mounting strip				
14-57	Scraper				
15-57	Adjuster				
16-57	Adjuster holder				
17-57	Self tapping bolt				
18-57	Front roller				
19-57	Spacer tube				
20-57	Bearing	6000 RS			
21-57	Spacer	6 MM thick			
22-57	Spacer	15 MM thick			
23-57	Lock washer	M10			
24-57	Cap nut	M10			
25-57	Spindle	M10x210			
26-57	Drive roller				
27-57	Dust ring				
28-57	Lock spring				
29-57	Bearing	6001 Rs			
30-57	Sprocket	40 teeth			
31-57	Bolt	M12x35			
32-57	Sprocket	12 Teeth ø12			
33-57	Sprocket	12 Teeth ø14			
34-57	Allen bolt	M8x8			
35-57	Spacer	3 MM			
36-57	Nut	M12x6MM			
37-57	Cap nut	M12			
38-57	Gear box	1:13			
39-57	Brace				
40-57	Bolt	M6x16			
41-57	Lock washer	M6			
42-57	Bolt	M5x16			
43-57	Lock washer	M5			
44-47	Motor	0,18Kw, 1350Rpm, 1.04Amp			
45-57	Key				
46-57	Bolt	M6x60			
47-57	Washer	M6			

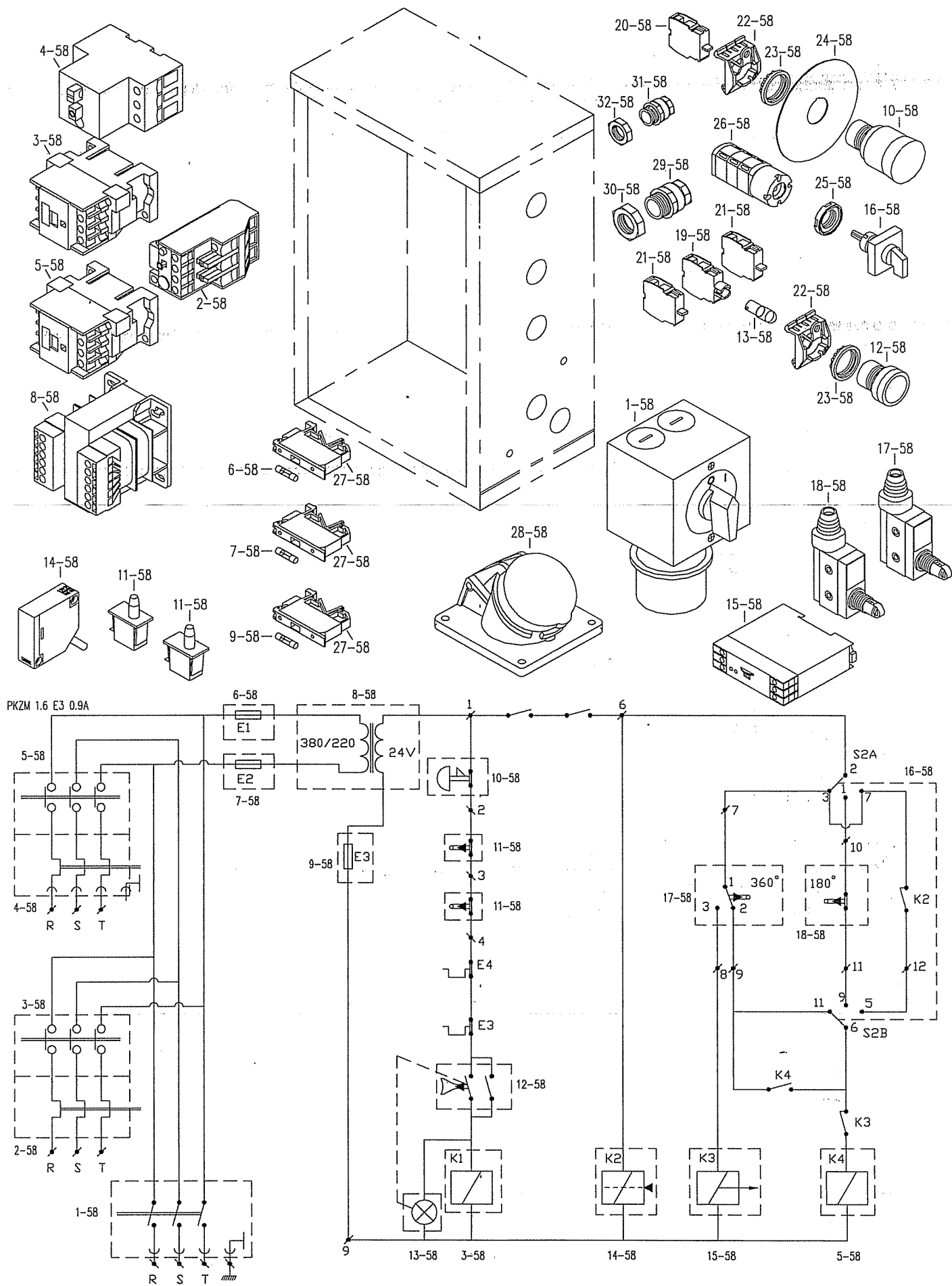


Fig.58

ELECTRICAL SCHEMATIC

Nr.	Description	Remarks	Nr.	Description	Remarks
1-58	Main switch				
2-58	Thermal overload				
3-58	Relay				
4-58	Thermal overload				
5-58	Relay				
6-58	Fuse				
7-58	Fuse				
8-58	Transformer				
9-58	Fuse				
10-58	Stop button				
11-58	Door switch				
12-58	Start button				
13-58	Light bulb				
14-58	Photocell				
15-58	Timer				
16-58	Turn switch				
17-58	Plunger switch				
18-58	Plunger switch				
19-58	Bulb fitting				
20-58	Switch	NC			
21-58	Switch	NO			
22-58	Switch fitting				
23-58	Placing nut				
24-58	Stop button plate				
25-58	Plastic nut				
26-58	Terminal				
27-58	Fuse holder				
28-58	Female plug box				
29-58	Cable clamp connector	13.5Pg			
30-58	Plastic nut	13.5 Pg			
31-58	Cable clamp connector	11 Pg			
32-58	Plastic nut	11 Pg			