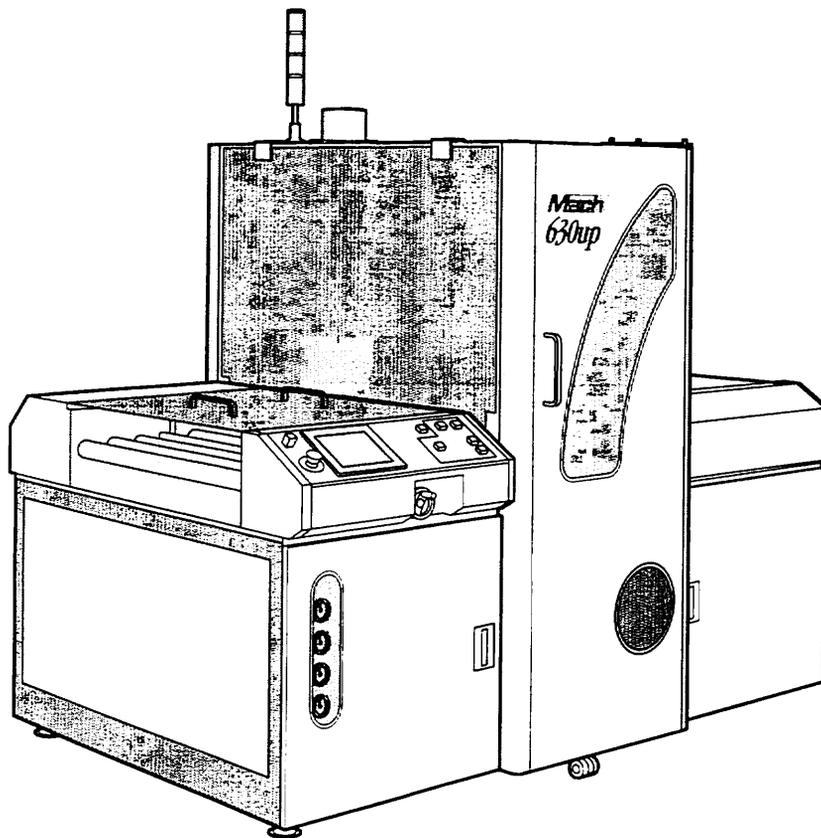


Mach *630up*

DRY FILM AUTO CUTTING LAMINATOR

Parts List



NOV, 2001

REVISION 1.0

■ Introduction

Thank you for purchasing the Hakuto Mach-630up Dry Film Auto Cutting Laminator.

The following is a list of component parts incorporated in the Auto Cutting Laminator Model Mach 630up.

Keep this Parts List on hand for assistance in operating the system.

When ordering replacement or spare parts, please refer to the Parts List and be sure to specify the part number, part name, and quantity.

The information contained in this Parts List is pertinent to the standard system configuration in which boards flow in the normal direction ("from left to right," as viewed from the operator position in front of the system).

If your system incorporates any optional mechanical functions, it may require different component parts.

For any inquiry or question about this Parts List, contact the Hakuto Service Department, or your local Hakuto agent.

This Parts List is organized as follows:

- How to Use This Book
- Table of Contents
- Parts List
- Part No. Index

■ How to Use This Book

IMPORTANT - Read this section before using the parts list.

This section provides the definitions of individual part numbers and the method for access to any desired part.

■ Parts List

This section contains a list of illustrations, part names, part numbers and the quantity of individual parts incorporated in the system's various modules.

■ Part No. Index

This section is intended to facilitate quick reference by part number to the page containing any desired part in this Parts List.

Use this Parts List to ensure quality system performance for the longest possible period of time.

- This Parts List is the property of Hakuto Co., Ltd. All rights reserved.
- This Parts List is intended specifically to support the use of the Auto Cutting Laminator Model Mach 630up marketed by Hakuto Co., Ltd. Use of this Parts List for any other purpose is strictly forbidden.
- No part of this book shall be reproduced for any purpose without the prior written permission of Hakuto Co., Ltd.
Note - The term "reproduce" includes copying, rewriting, or paraphrasing, or translation into another language.
- Never attempt to disassemble or reassemble the system simply by using the Parts List. Such an attempt can cause the system to malfunction or become damaged.
Any inquiries or questions should be directed to the Hakuto Service Department or your local Hakuto agent.
- All specifications, dimensions and design characteristics shown in this Parts List are subject to change without notice.

■ How to Use This Book

IMPORTANT - Read this section before using the parts list.

How to find a part in this Parts List:

- This Parts List contains a list of illustrations, part names, part numbers and the quantity of individual parts incorporated in the system's various modules.
- The basic way to find a part in this Parts List is by referring to the Table of Contents and identifying which module the part is incorporated in.
- As an alternative, use the Part No. Index to identify the module in which a part is incorporated.

Contents of Parts List

- This Parts List is organized according to the standard system configuration in which boards flow in the normal direction ("from left to right," as viewed from the operator position in front of the system).
- A part number preceded by "OOL" in this Parts List indicates that the part is used in systems configured for the normal flow direction (i.e. "from left to right").

Example: OOL01395



Shows the part is intended for board flow
in the "left to right" direction

- A part number preceded by "OOR" in this Parts List indicates that the part is used in systems configured for the reverse flow direction (i.e. "from right to left").

Example: OOR01395



Shows the part is intended for board flow
in the "right to left" direction

- A part number preceded by "OOP" and "OOS" in this Parts List that the part is an assembly.

Example: OOP01412



Shows the part is an assembly

Example: OOS01412



Shows the part is an assembly

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■ Parts List

■ **Parts List**

Spare Part List Index

Mach 630up

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Figure 1 Laminate Module-Pull-out Guide, Upper

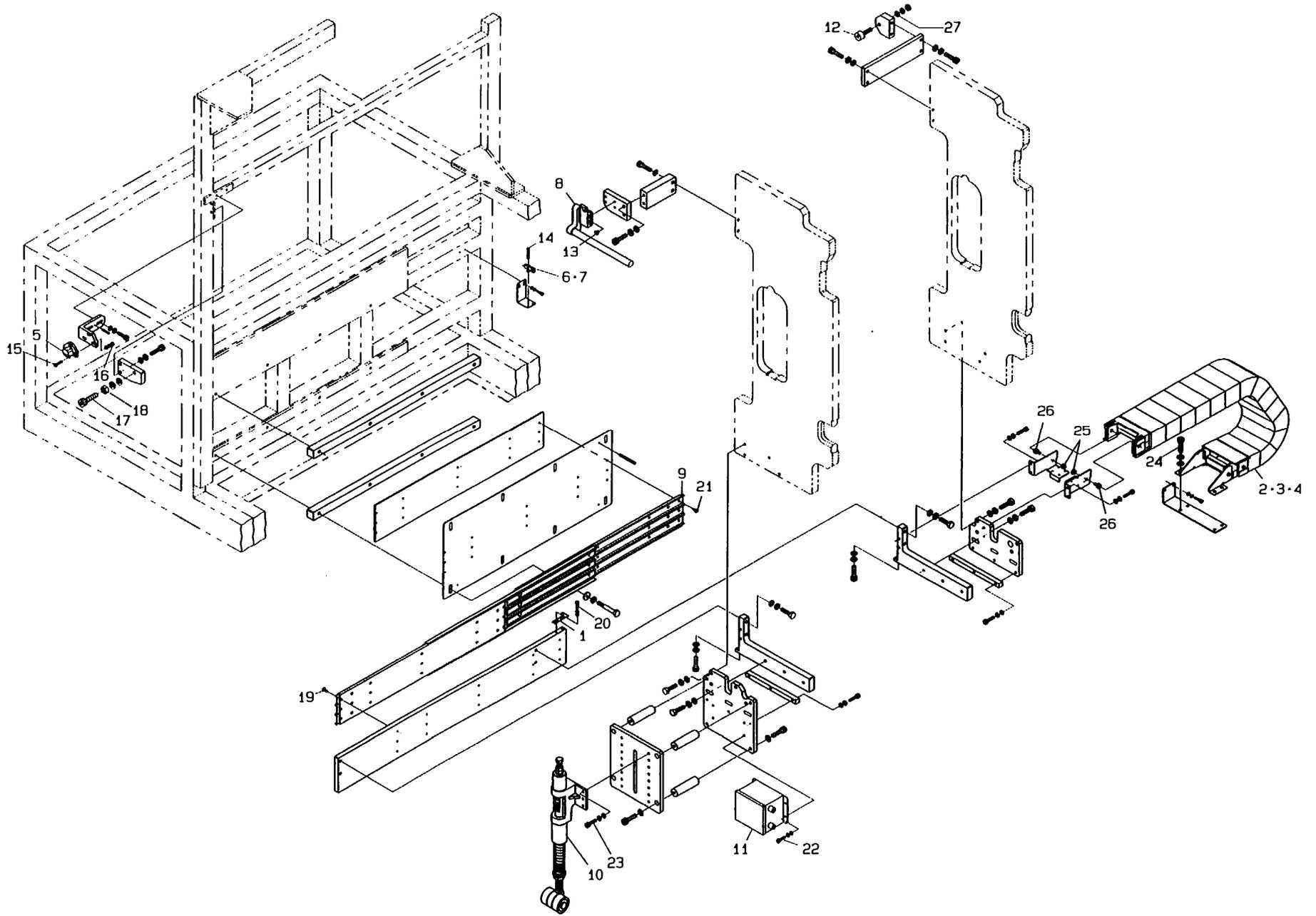


Table 1

Laminate Module-Pull-out Guide, Upper

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01044	←	Actuator	1		
2	014011	←	Flexible duct	1		
3	014012	←	End bracket	1		
4	014013	←	Pratition	16		
5	049058	←	Catcher	1		
6	006041	←	Photo sensor	1		
7	006047	←	Connector	1		
8	049057	←	Pull-out handle	1		
9	045060	←	Pull-out guide	1		
10	00P01054	←	Pull-out caster assembly	1		
11	100039	←	Power unit	1		
12	049059	←	Stopper	1	With nut	
13	650515	←	Screw	4	M5 × 15L	
14	610312	←	Screw	2	M3 × 12L	
15	650525	←	Screw	3	M5 × 25L	
16	600105	←	Nut	3	M5	
17	611035	←	Bolt	1	M10 × 35L	
18	600110	←	Nut	1	M10	
19	830408	←	Screw	15	M4 × 8L	
20	610410	←	Screw	2	M4 × 10L	
21	830408	←	Screw	15	M4 × 8L	
22	610515	←	Screw	4	M5 × 15L	
23	610620	←	Bolt	4	M6 × 20L	
24	610815	←	Bolt	4	M8 × 15L	
25	600106	←	Nut	2	M6 Class 3	
26	610606	←	Bolt	2	M6 × 6L	
27	600210	←	Washer	1	φ 10	

Figure 2 Laminate Module-Pull-out Guide, Lower

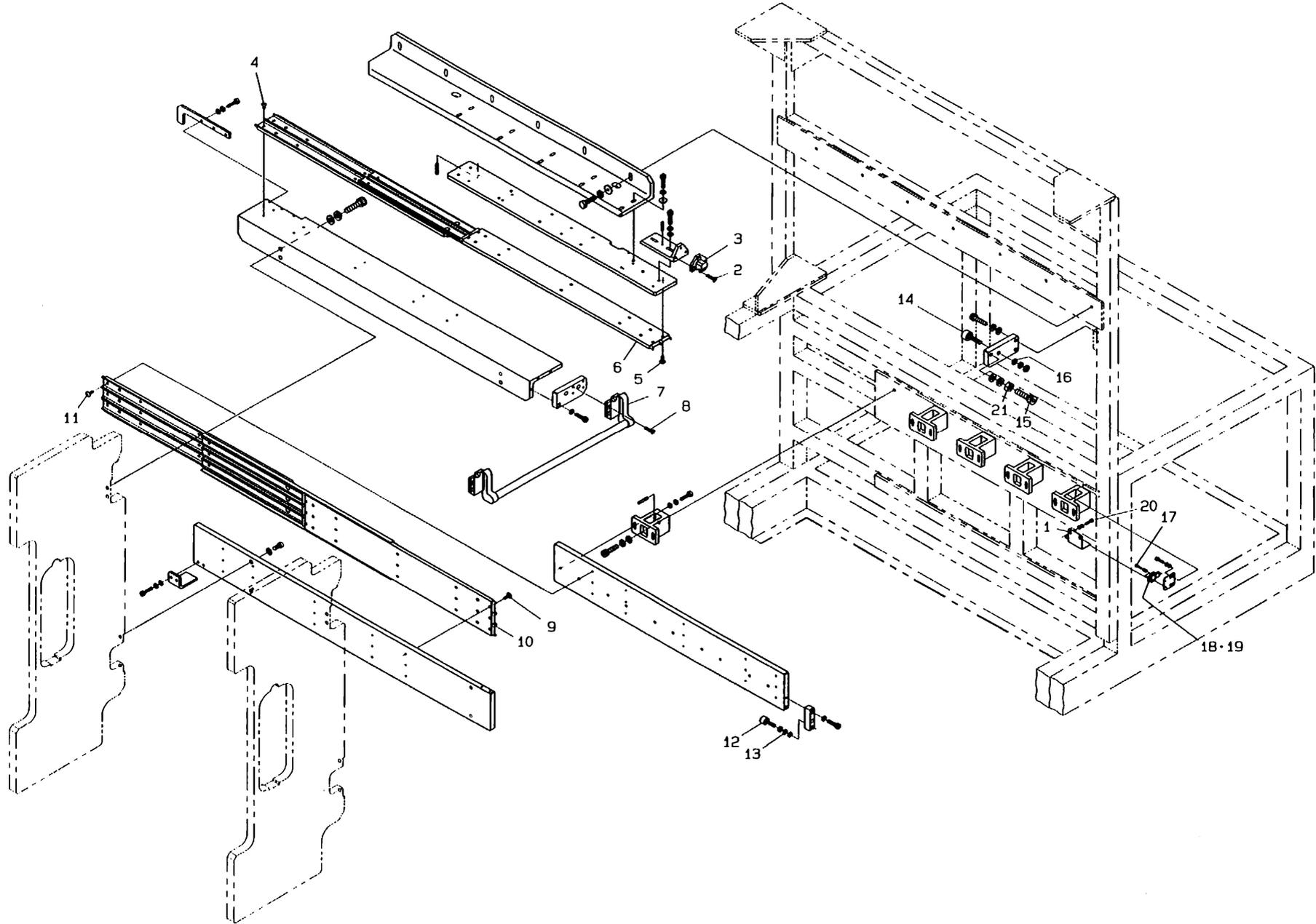


Table 2

Laminate Module-Pull-out Guide, Lower

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00L01045	00R01045	Actuator	1		
2	650515	←	Screw	3	M5 × 15L	
3	049058	←	Catcher	1		
4	830408	←	Screw	10	M4 × 8L	
5	830408	←	Screw	10	M4 × 8L	
6	049059	←	Pull-out guide	1		
7	049057	←	Pull-out handle	1		
8	650515	←	Screw	4	M5 × 15L	
9	830408	←	Screw	15	M4 × 8L	
10	045060	←	Pull-out guide	1		
11	830408	←	Screw	15	M4 × 8L	
12	049060	←	Stopper	1	With nut	
13	600208	←	Washer	1	φ 8	
14	049059	←	Stopper	1	With nut	
15	611035	←	Bolt	1	M10 × 35L	
16	600210	←	Washer	1	φ 10	
17	610312	←	Screw	2	M3 × 12L	
18	006042	←	Photo sensor	1		
19	006047	←	Connector	1		
20	610410	←	Screw	2	M4 × 10L	
21	600110	←	Nut	1	M10	

Figure 3 Laminate Module-Sub Frame

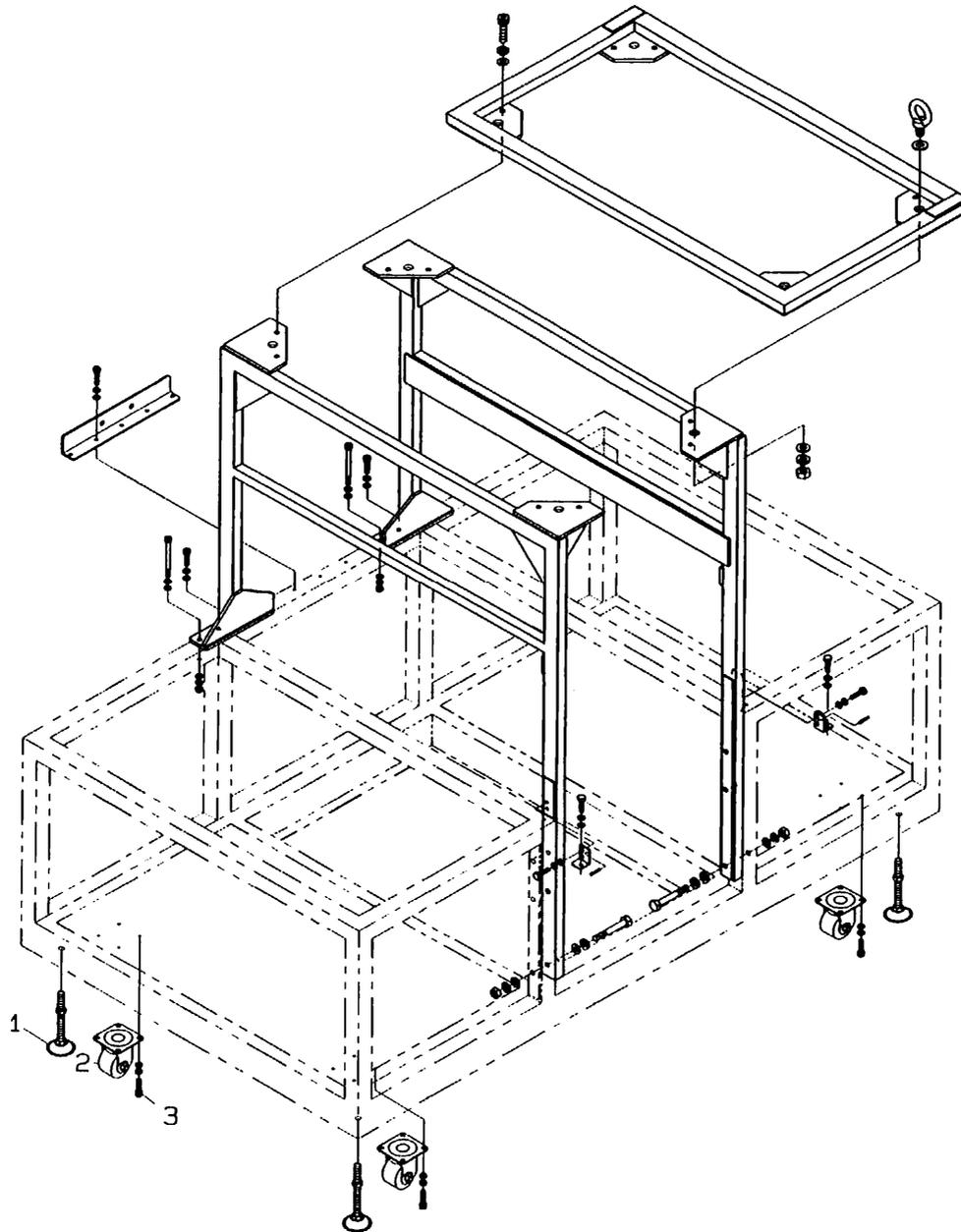


Table 3

Laminate Module-Sub Frame

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	<i>Mach630up</i> Serial No.
1	049061	←	Level foot	4		
2	049062	←	Caster	4		
3	610815	←	Bolt	16	M8 x 15L	

Figure 4 Laminate Module-Tacking Block Drive System

Option

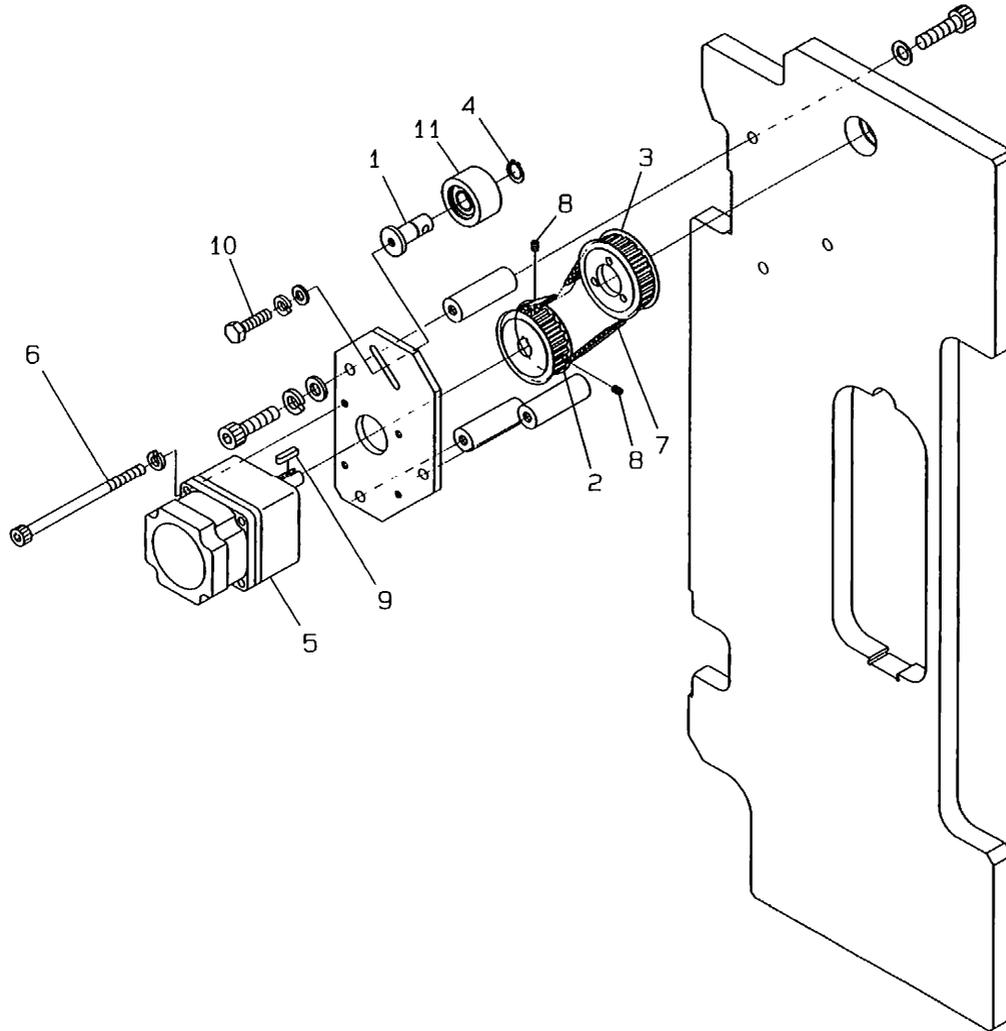


Table 4

Laminate Module-Tacking Block Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01158	←	Tension pin	1		
2	00A01153	←	Timing pully	1		
3	00A01365	←	Timing pully	1		
4	600317	←	C Ring	1	φ 17	
5	014005	←	Motor	1	With motor controller	
6	610880	←	Bolt	4	M8 × 80L	
7	018053	←	Timing belt	1		
8	680508	←	Screw	2	M5 × 8L	
9	044726	←	Key	1	6 × 6 × 25L	
10	620825	←	Bolt	1	M8 × 25L	
11	00P01159	←	Tensioner assembly	1		

Option

Figure 5 Laminate Module-Roll End, Operation Side

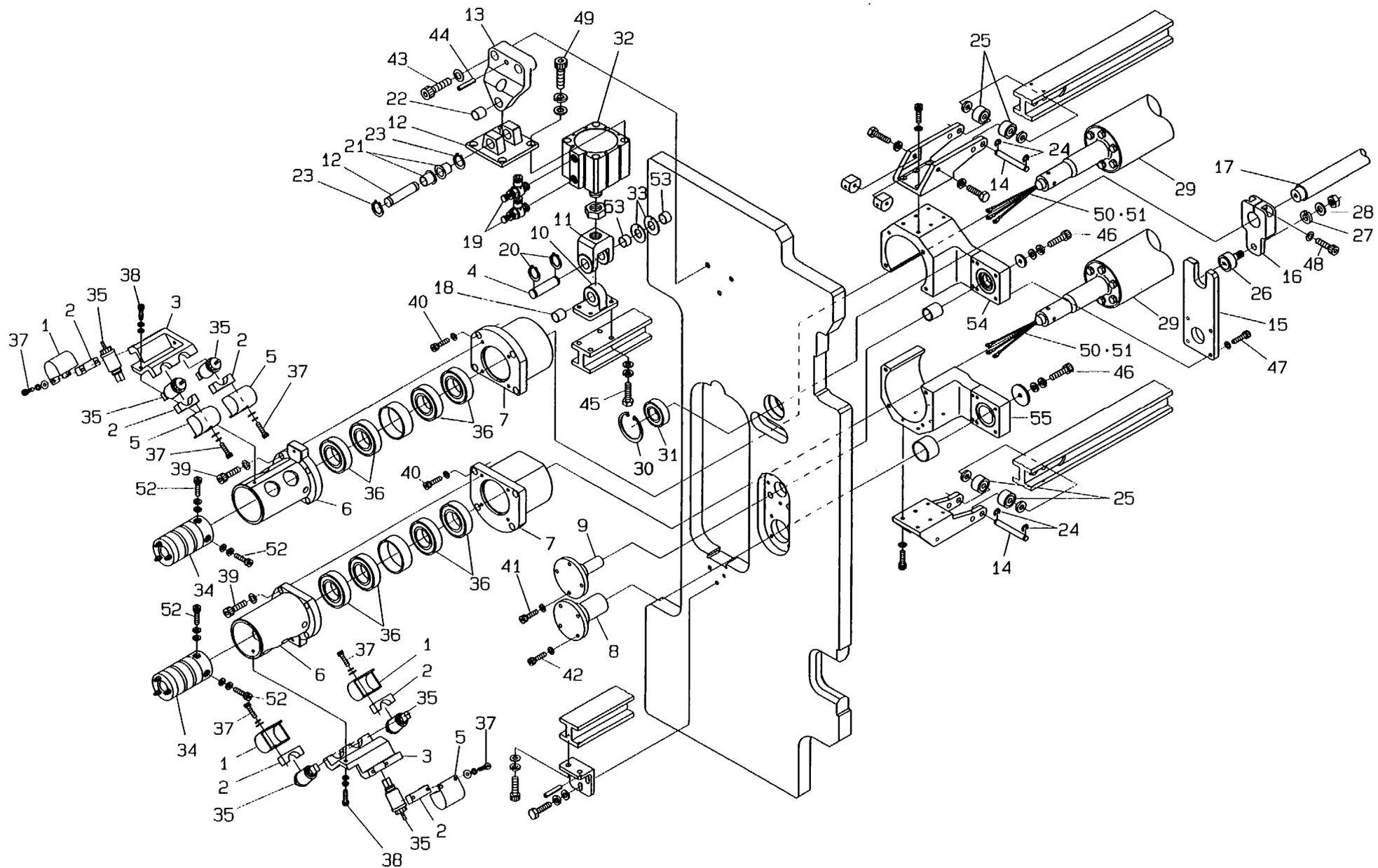


Table 5

Laminate Module-Roll End, Operation Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01177	←	Cover	3		
2	00A06016	←	Holder	6		
3	00A06017	←	Holder bracket	2		
4	00A01128	←	Pin	1		
5	00A01176	←	Cover	3		
6	00A06018	←	Slip ring housing	2		
7	00A06004	←	Housing	2		
8	00A06007	←	Pin	1		
9	00A06006	←	Pin	1		
10	00A06011	←	Beam joint	1		
11	00A06010	←	Cylinder knuckle	1		
12	00A01125	←	Clevis	1		
13	00A06009	←	Cylinder bracket	1		
14	00A01130	←	Pin	2		
15	00A01134	00A01133	Synchronous plate	1		
16	00A06013	00A06014	Arm	1		
17	00A01137	←	Shaft	1		
18	044709	←	DU Bushing	1		
19	020021	←	Air flow controller	2		
20	600314	←	C Ring	2	φ 14	
21	044710	←	DU Bushing with flange	2		
22	044709	←	DU Bushing	1		
23	600314	←	C Ring	2	φ 14	
24	600506	←	E Ring	4	φ 6	
25	045052	←	Roller follower	4		
26	045554	←	Cam follower	1		
27	600210	←	Spring washer	1	φ 10	
28	600210	←	Washer	1	φ 10	
29	11603162	←	Laminate roll	2		
30	600442	←	C Ring	1	φ 42	
31	045565	←	Bearing	1		
32	021035	←	Air cylinder	1		
33	044712	←	Thrust washer	2		
34	11502812	←	Slip ring	2		
35	11502814	←	Slip ring brush assembly	6		
36	045051	←	Bearing	8		
37	610420	←	Screw	12	M4 × 20L	
38	610412	←	Screw	2	M4 × 12L	
39	690515	←	Screw	8	M5 × 15L	
40	690620	←	Bolt	8	M6 × 20L	

Table 5

Laminate Module-Roll End, Operation Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	690515	←	Screw	4	M5 × 15L	
42	690515	←	Screw	4	M5 × 15L	
43	690825	←	Bolt	3	M8 × 25L	
44	600705	←	Spring pin	1	φ 5 × 25L	
45	620618	←	Bolt	4	M6 × 18L	
46	610615	←	Bolt	2	M6 × 15L	
47	690515	←	Screw	4	M5 × 15L	
48	690625	←	Bolt	1	M6 × 25L	
49	610825	←	Bolt	4	M8 × 25L	
50	142021	←	Laminate roll heater	2		
51	055002	←	Silicon grease	1		
52	510512 610512	←	Screw	4	M5 × 12L	
53	044711	←	DU Bushing	2		
54	00P06003	00S06002	Arm assembly	1		
55	00P06002	00S06003	Arm assembly	1		

Figure 6 Laminate Module-Roll End, Drive Side

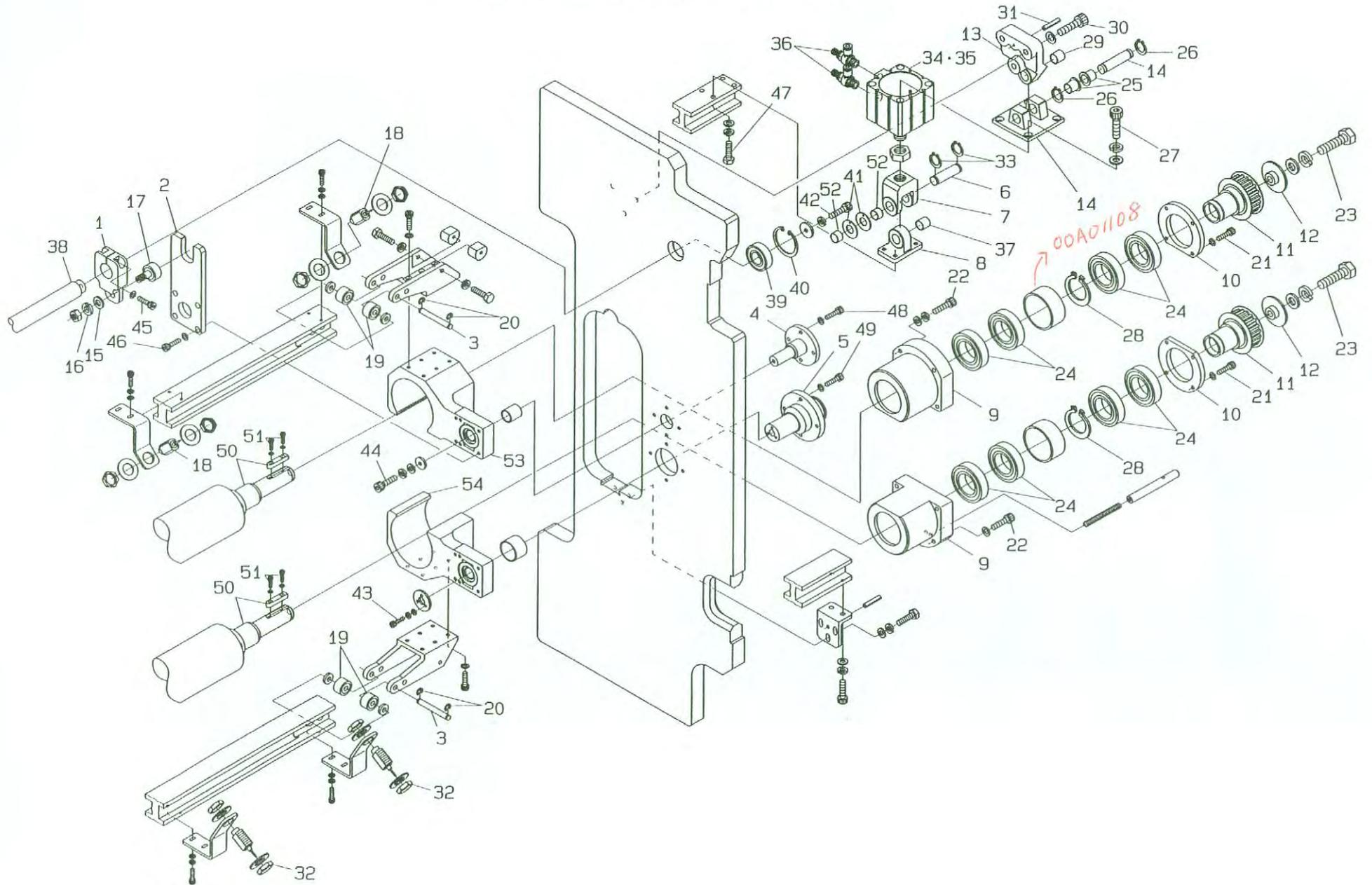


Table 6

Laminate Module-Roll End, Drive Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A06014	00A06013	Arm	1		
2	00A01133	00A01134	Synchronous plate	1		
3	00A01130	←	Pin	2		
4	00A06006	←	Pin	1		
5	00A06008	←	Housing	1		
6	00A01128	←	Pin	1		
7	00A06010	←	Cylinder knuckle	1		
8	00A06011	←	Beam joint	1		
9	00A06005	←	Housing	2		
10	00A01178	←	Retaining plate	2		
11	00A01141	←	Timing pulley	2		
12	00A01119	←	End plate	2		
13	00A06009	←	Cylinder bracket	1		
14	00A01125	←	Clevis	1		
15	600210	←	Washer	1	φ 10	
16	600210	←	Spring washer	1	φ 10	
17	045554	←	Cam follower	1		
18	006034	←	Temperature sensor	2		
19	045052	←	Roller follower	4		
20	600506	←	E Ring	4	φ 6	
21	690515	←	Screw	8	M5 × 15L	
22	690620	←	Bolt	8	M6 × 20L	
23	621030	←	Bolt	2	M10 × 30L	
24	045050	←	Bearing	8		
25	044710	←	DU Bushing with frange	2		
26	600314	←	C Ring	2	φ 14	
27	610825	←	Bolt	4	M8 × 25L	
28	600335	←	C Ring	2	φ 35	
29	044709	←	DU Bushing	1		
30	690825	←	Bolt	3	M8 × 25L	
31	600705	←	Spring pin	1	φ 5 × 25L	
32	006034	←	Temperature sensor	2		
33	600314	←	C Ring	2	φ 14	
34	021034	←	Air cylinder	1		
35	006516	←	Auto switch	1		
36	020021	←	Air flow controller	2		
37	044709	←	DU Bushing	1		
38	00A01137	←	Shaft	1		
39	045565	←	Bearing	1		
40	600442	←	C Ring	1	φ 42	

Table 6

Laminate Module-Roll End, Drive Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	044712	←	Thrust washer	2		
42	610615	←	Bolt	1	M6 × 15L	
43	690410	←	Screw	3	M4 × 10L	
44	610615	←	Bolt	1	M6 × 15L	
45	690625	←	Bolt	1	M6 × 25L	
46	690515	←	Screw	4	M5 × 25L	
47	620618	←	Bolt	4	M6 × 18L	
48	690515	←	Screw	4	M5 × 15L	
49	690515	←	Screw	4	M5 × 15L	
50	11603162	←	Laminate roll	2		
51	610306	←	Screw	4	M3 × 6L	
52	044711	←	DU Bushing	2		
53	00P06002	00S06003	Arm assembly	1		
54	00P06003	00S06002	Arm assembly	1		

Figure 7 Laminate Module-Roll Drive System

Option

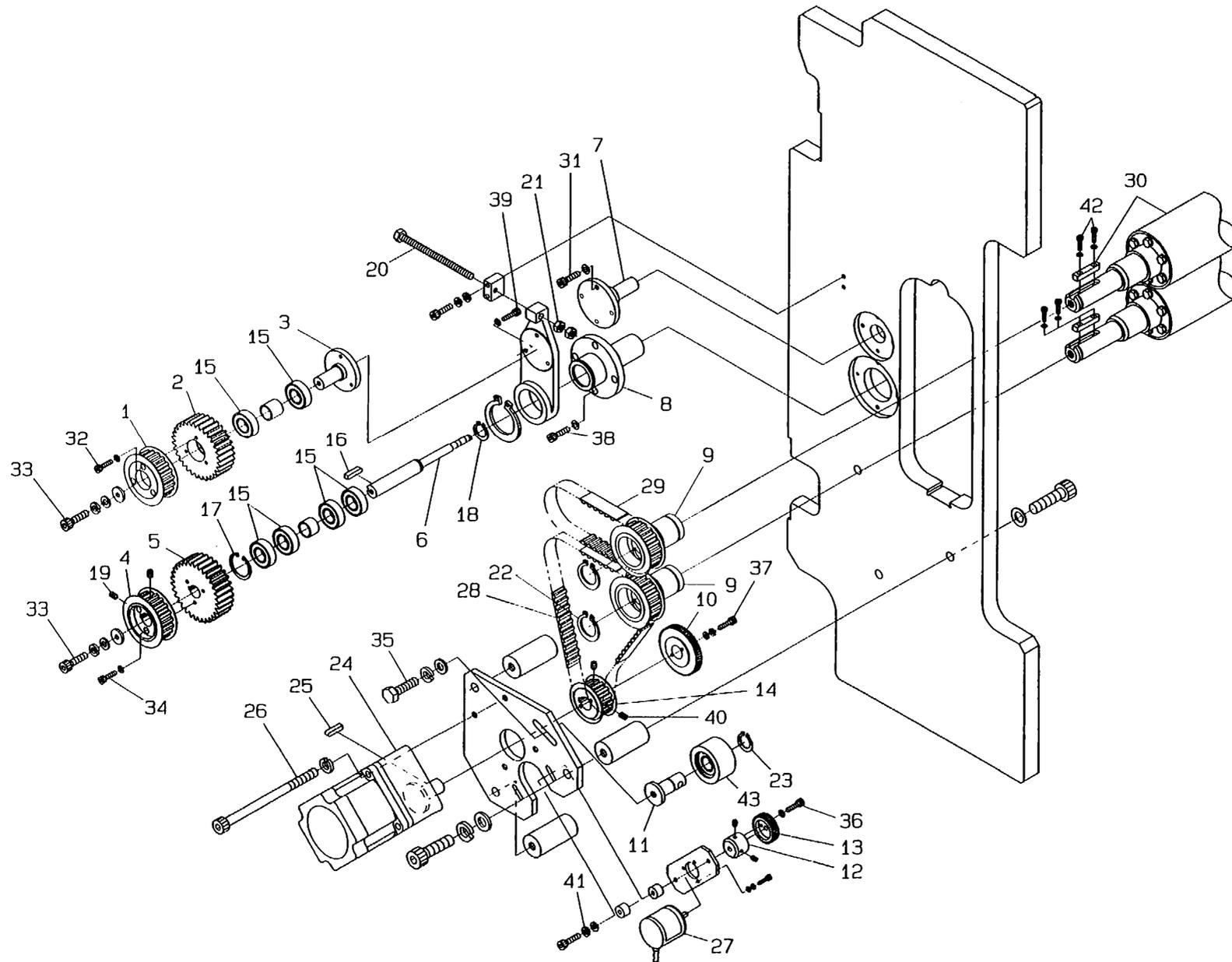


Table 7 Laminate Module-Roll Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01142	←	Timing pully	1		
2	00A01144	←	Spur gear	1		
3	00A06015	←	Pin	1		
4	00A01143	←	Timing pully	1		
5	00A01145	←	Spur gear	1		
6	00A01149	←	Drive shaft	1		
7	00A06006	←	Pin	1		
8	00A06008	←	Housing	1		
9	00A01141	←	Timing pully	2		
10	00A01156	←	Spur gear	1		
11	00A01158	←	Pin	1		
12	00A01157	←	Boss	1		
13	00A01155	←	Spur gear	1		
14	00A01154	←	Timing pully	1		
15	045054	←	Bearing	6		
16	044727	←	Key	1	5 × 5 × 25L	
17	600430	←	C Ring	1	φ 30	
18	600317	←	C Ring	1	φ 17	
19	680505	←	Screw	2	M5 × 5L	
20	620695	←	Bolt	1	M6 × 95L All screw	
21	600106	←	Nut	2	M6	
22	600325	←	C Ring	2	φ 25	
23	600317	←	C Ring	1	φ 17	
24	014004	←	Motor	1	With motor controller	
25	044728	←	Key	1	6 × 6 × 15L	
26	610880	←	Bolt	4	M8 × 80	
27	006038	←	Rotary encoder	1		
28	018049	←	Timing belt	1		
29	018040	←	Timing belt	1		
30	11603162	←	Laminate roll	2		
31	690515	←	Screw	4	M5 × 15L	
32	690420	←	Screw	3	M4 × 20L	
33	610615	←	Bolt	2	M6 × 15L	
34	690415	←	Screw	3	M4 × 15L	
35	620825	←	Bolt	2	M8 × 25L	
36	690410	←	Screw	2	M4 × 10L	
37	610420	←	Screw	2	M4 × 20L	
38	690515	←	Screw	4	M5 × 15L	
39	690410	←	Screw	3	M4 × 10L	
40	680508	←	Screw	2	M5 × 8L	

Option

Table 7

Laminate Module-Roll Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	610525	←	Screw	2	M5 × 25L	
42	610306	←	Screw	4	M3 × 6L	
43	00P01159	←	Tensioner assembly	1		

Option

Figure 8 Laminate Module-Tacking Plate Block Drive

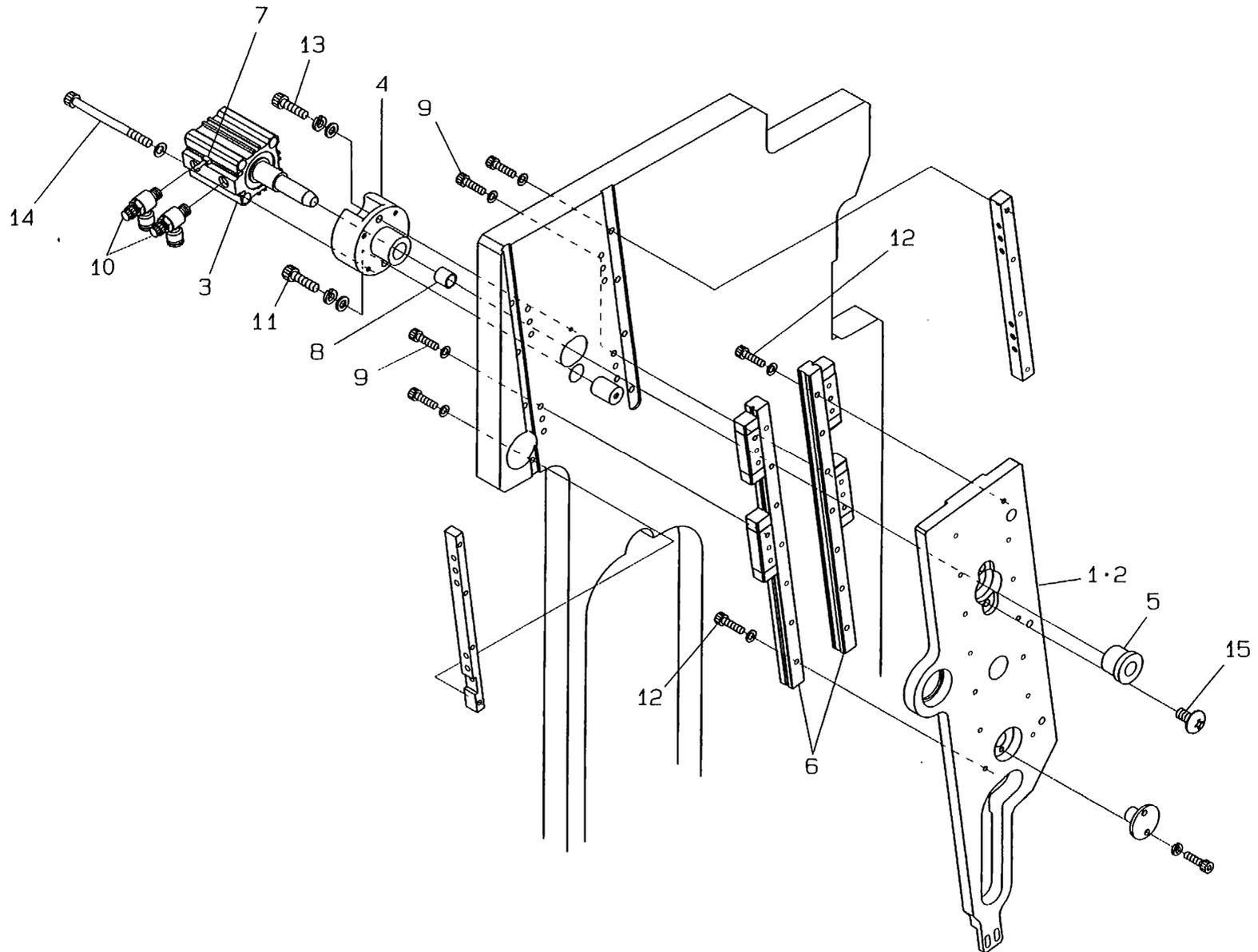


Table 8

Laminate Module-Tacking Plate Block Drive

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01344	00A01345	Slide plate	2		
2	00A01345	00A01344	Slide plate	2	Mirror image of parts	
3	00P01341	←	Lock pin assembly	4		
4	00A01342	←	Cylinder base	4		
5	00A01343	←	Bushing	4		
6	045062	←	LM Guide	8		
7	006046	←	Auto switch	8		
8	044057	←	M liner bearing bush	4		
9	610418	←	Screw	48	M4 × 18L	
10	020508	←	Air flow controller	8		
11	610525	←	Screw	4	M5 × 25L	
12	690415	←	Screw	56	M4 × 15L	
13	610515	←	Screw	4	M5 × 15L	
14	690560	←	Screw	16	M5 × 60L	
15	640610	←	Bolt	8	M6 × 10L	

Table 9

Laminate Module-Tacking Plate Drive

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	680405	←	Screw	8	M4 × 5L	
2	00A01306	←	Pinion case	4		
3	00A06024	00A06025	Rack holder	2		
4	00A01309	←	Rack shaft	4		
5	00A01310	←	Shaft	2		
6	00A01311	←	Cap	4		
7	00A01312	←	Bush case	8		
8	00A01313	←	Pinion gear	4		
9	00A01314	←	Coller	4		
10	00A06025	00A06024	Rack holder	2	Mirror image of parts	
11	025041	←	Coupling	2		
12	00A01318	←	Adjusting nut	2	For lower	
13	600428	←	C Ring	8	φ 28	
14	00A01351	←	Pin	4		
15	00A06040	←	Knuckle joint	2	For lower	
16	600704	←	Spring pin	4	φ 4 × 20L	
17	00A01353	←	Nut	4		
18	045002	←	Bearing	12		
19	044722	←	DU bushing	16		
20	045063	←	Cam follower	4		
21	044007	←	Conical spring	4		
22	044008	←	DU bushing with flange	4		
23	020508	←	Air flow controller	6		
24	021032	←	Air cylinder	2	With auto switch	
25	021033	←	Air cylinder	2		
26	610615	←	Bolt	4	M6 × 15L	
27	690515	←	Screw	12	M5 × 15L	
28	640510	←	Screw	16	M5 × 10L	
29	006044	←	Auto switch	4		
30	020023	←	Air flow controller	2		
31	025042	←	Coupling	2		
32	600432	←	C Ring	4	φ 32	
33	600310	←	C Ring	4	φ 10	
34	610515	←	Screw	4	M5 × 15L	
35	00A06039	←	Knuckle joint	2		
36	00A01302	←	Vacuum base	2		
37	00A01344	00A01345	Slide plate	2		
38	00A01345	00A01344	Slide plate	2	Mirror image of parts	

Figure 10 Laminate Module-Tacking Plate Block, Clutch and Brake

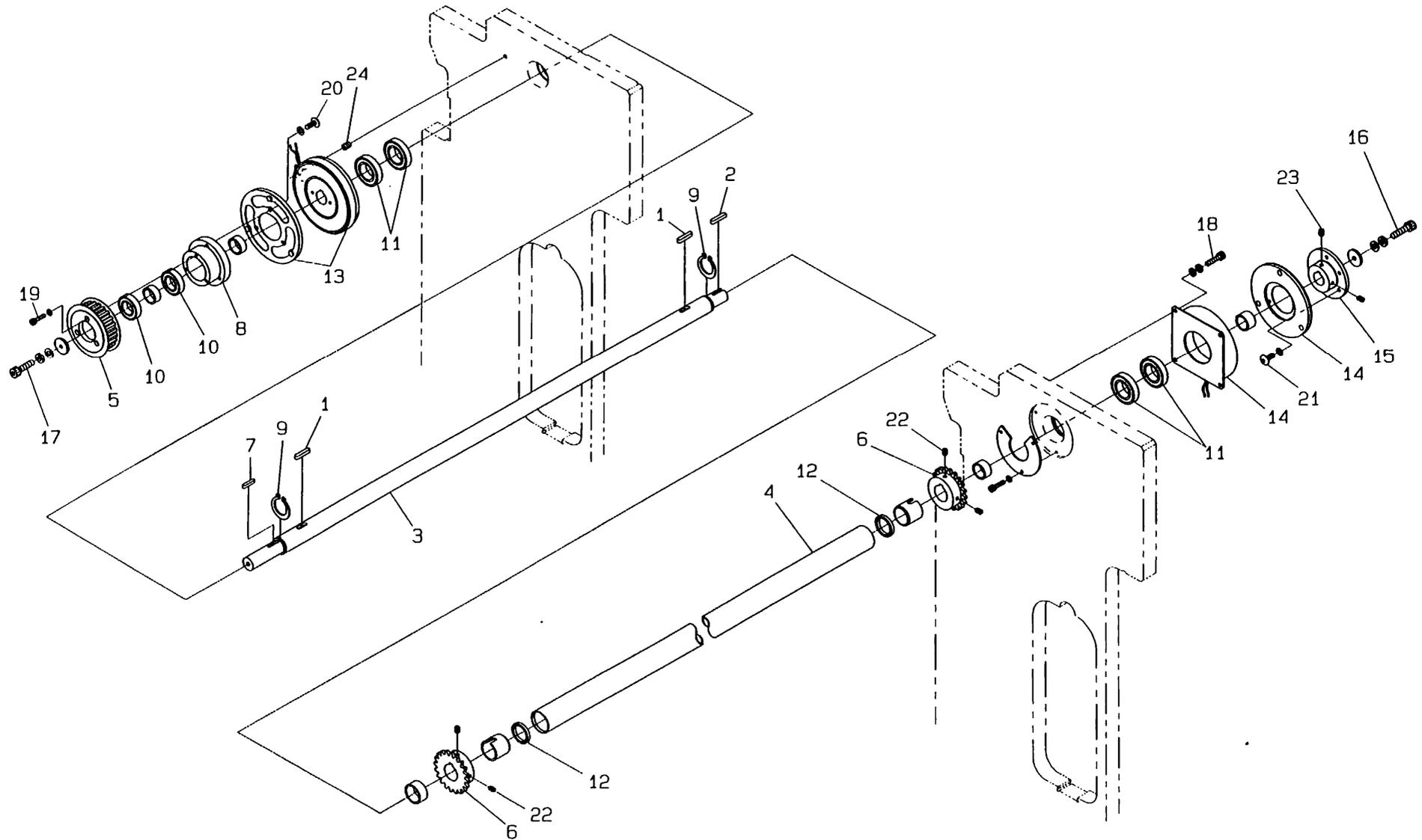


Table 10

Laminate Module-Tacking Plate Block, Clutch and Brake

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	044723	←	Key	2	6×6×16L	
2	044724	←	Key	1	5×5×18L	
3	00A01361	←	Shaft	1		
4	00A01364	←	Roller	2		
5	00A01365	←	Timing pully	1		
6	00A01367	←	Sprocket	2		
7	044724	←	Key	1	5×5×18L	
8	00A01026	←	Bearing housing	1		
9	600325	←	C Ring	1	φ25	
10	045064	←	Bearing	2		
11	045065	←	Bearing	4		
12	045066	←	Bearing	4		
13	018047	←	Clutch	1		
14	018048	←	Brake	1		
15	018054	←	Hub	1		
16	610620	←	Bolt	1	M6×20L	
17	610620	←	Bolt	1	M6×20L	
18	610510	←	Screw	4	M5×10L	
19	690410	←	Screw	3	M4×10L	
20	830505	←	Screw	3	M5×5L	
21	830505	←	Screw	3	M5×5L	
22	680505	←	Screw	4	M5×5L	
23	880505	←	Screw	2	M5×5L	
24	680615	←	Bolt	1	M6×15L	

Figure 11 Laminate Module-Tacking Block Drive System, Operation Side Inside

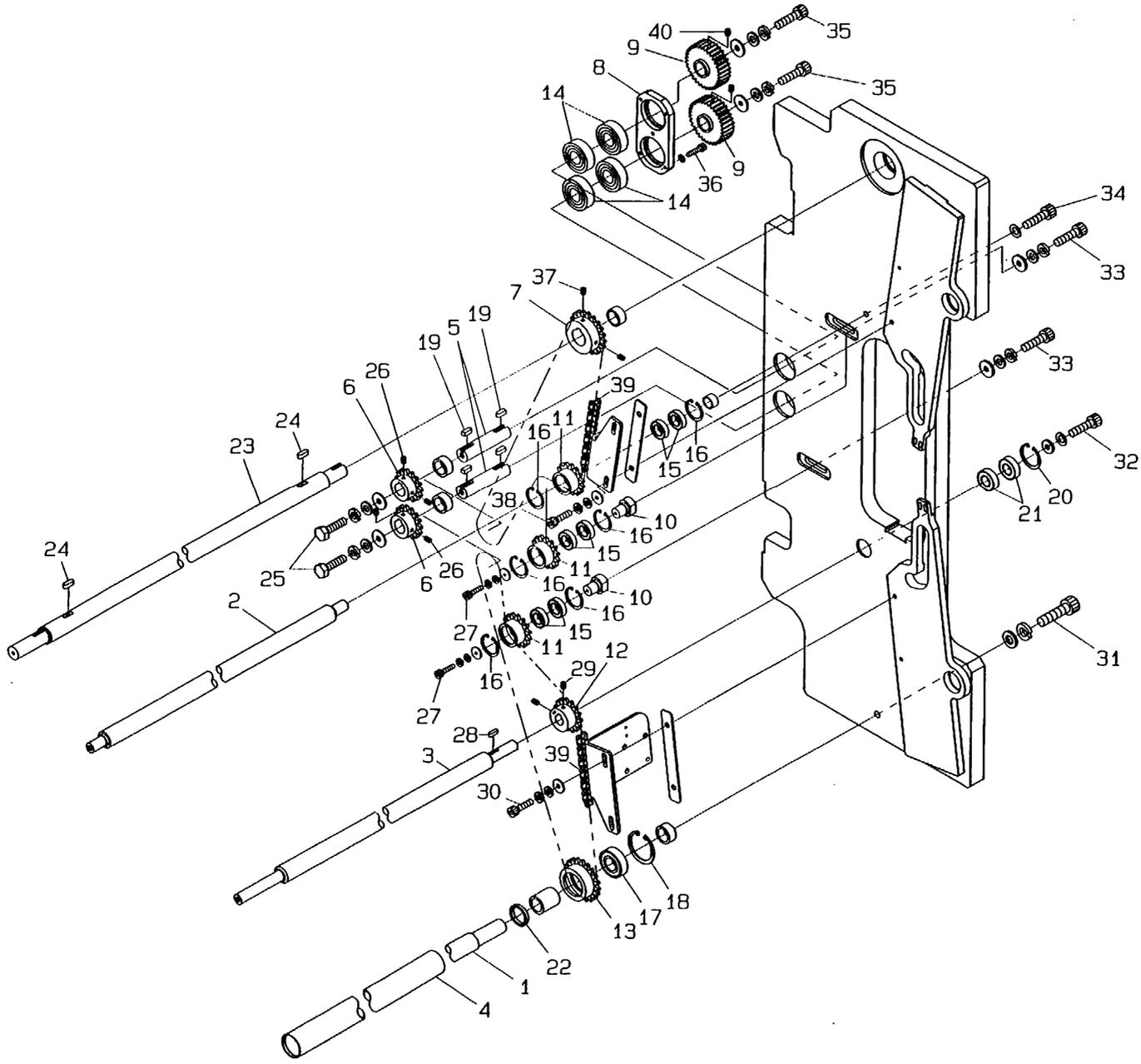


Table 11

Laminate Module-Tacking Block Drive System, Operation Side Inside

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01363	←	Shaft	1		
2	00A01362	←	Shaft	1		
3	00A01396	←	Shaft	1		
4	00A01364	←	Roller	1		
5	00A01378	←	Shaft	2		
6	00A01368	←	Sprocket	2		
7	00A01367	←	Sprocket	1		
8	00A01379	←	Retaining plate	1		
9	00A01366	←	Spur gear	2		
10	00A01380	←	Pin	2		
11	00A01369	←	Sprocket	3		
12	00A01399	←	Sprocket	1		
13	00A01370	←	Sprocket	1		
14	045070	←	Bearing	4		
15	045035	←	Bearing	6		
16	600426	←	C Ring	6	φ 28	
17	045565	←	Bearing	1		
18	600442	←	C Ring	1	φ 42	
19	044728	←	Key	4	6 × 6 × 15L	
20	600432	←	C Ring	1	φ 32	
21	045002	←	Bearing	2		
22	045066	←	Bearing	1		
23	00A01361	←	Shaft	1		
24	044723	←	Key	2	6 × 6 × 16L	
25	620815	←	Bolt	2	M8 × 15L	
26	680505	←	Screw	4	M5 × 5L	
27	610410	←	Screw	2	M4 × 10L	
28	044730	←	Key	1	5 × 5 × 15L	
29	680505	←	Screw	2	M5 × 5L	
30	610620	←	Bolt	2	M6 × 20L	
31	611030	←	Bolt	1	M10 × 30L	
32	690815	←	Bolt	1	M8 × 15L	
33	610820	←	Bolt	2	M8 × 20L	
34	690825	←	Bolt	1	M8 × 25L	
35	610815	←	Bolt	2	M8 × 15L	
36	690415	←	Screw	5	M4 × 15L	
37	680505	←	Screw	2	M5 × 5L	
38	610620	←	Bolt	2	M6 × 20L	
39	00A01392	←	Chain assembly	2	With K-1 attachment and joint link	
40	680510	←	Screw	2	M5 × 10L	

Figure 12 Laminate Module-Tacking Block Drive System, Drive Side Inside

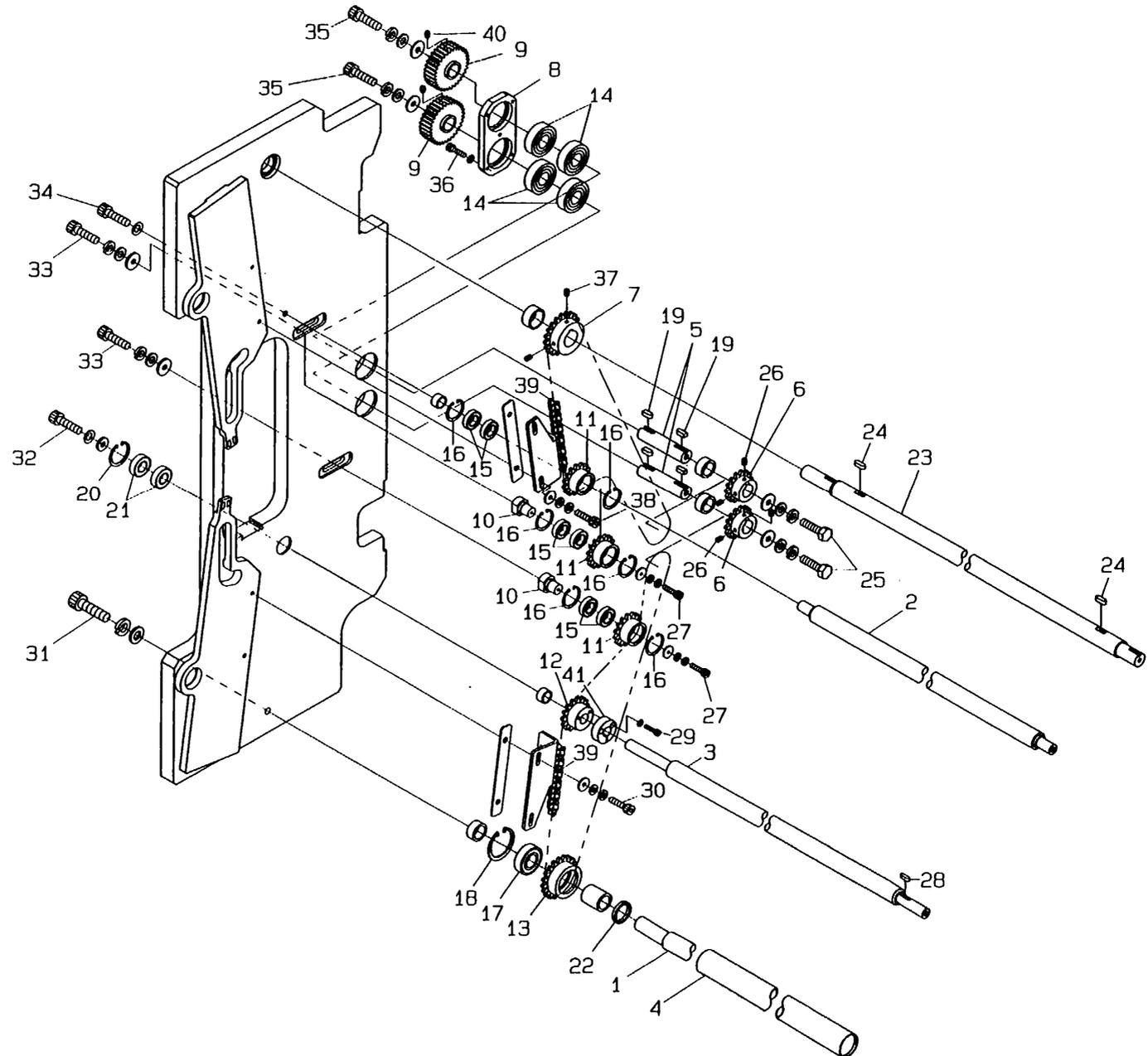


Table 12

Laminate Module-Tacking Block Drive System, Drive Side Inside

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01363	←	Shaft	1		
2	00A01362	←	Shaft	1		
3	00A01396	←	Shaft	1		
4	00A01364	←	Roller	1		
5	00A01378	←	Shaft	2		
6	00A01368	←	Sprocket	2		
7	00A01367	←	Sprocket	1		
8	00A01379	←	Retaining plate	1		
9	00A01366	←	Spur gear	2		
10	00A01380	←	Pin	2		
11	00A01369	←	Sprocket	3		
12	00A01398	←	Sprocket	1		
13	00A01370	←	Sprocket	1		
14	045070	←	Bearing	4		
15	045035	←	Bearing	6		
16	600426	←	C Ring	6	φ 28	
17	045565	←	Bearing	1		
18	600442	←	C Ring	1	φ 42	
19	044728	←	Key	4	6 × 6 × 15L	
20	600432	←	C Ring	1	φ 32	
21	045002	←	Bearing	2		
22	045066	←	Bearing	1		
23	00A01361	←	Shaft	1		
24	044723	←	Key	2	6 × 6 × 16L	
25	620815	←	Bolt	2	M8 × 15L	
26	680505	←	Screw	4	M5 × 5L	
27	610410	←	Screw	2	M4 × 10L	
28	044730	←	Key	1	5 × 5 × 15L	
29	690415	←	Screw	2	M4 × 15L	
30	610620	←	Bolt	2	M6 × 20L	
31	611030	←	Bolt	1	M10 × 30L	
32	690815	←	Bolt	1	M8 × 15L	
33	610820	←	Bolt	2	M8 × 20L	
34	690825	←	Bolt	1	M8 × 25L	
35	610815	←	Bolt	2	M8 × 15L	
36	690415	←	Screw	5	M4 × 15L	
37	680505	←	Screw	2	M5 × 5L	
38	610620	←	Bolt	2	M6 × 20L	
39	00A01392	←	Chain assembly	2	With K-1 attachment and joint link	
40	680510	←	Screw	2	M5 × 10L	

Table 12

Laminate Module-Tacking Block Drive System, Drive Side Inside

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	00A01397	←	Boss	1		

Figure 13 Laminate Module-Tacking Block Drive System, Operation Side Outside

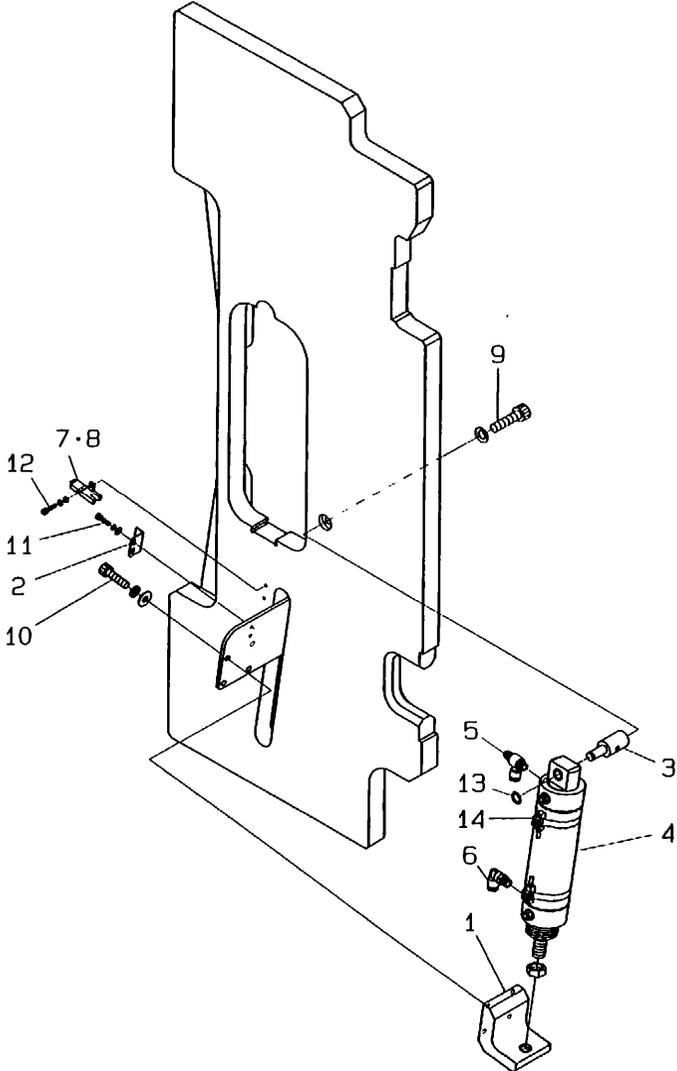


Table 13

Laminate Module-Tacking Block Drive System, Operation Side Outside

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01391	←	Cylinder bracket	1		
2	00A01355	←	Actuator	1		
3	00A01358	←	Pin	1		
4	021037	←	Air cylinder	1		
5	020021	←	Air flow controller	1		
6	025509	←	Coupling	1		
7	006041	←	Photo sensor	1		
8	006047	←	Connector	1		
9	690825	←	Bolt	1	M8 × 25L	
10	610615	←	Bolt	4	M6 × 15L	
11	610308	←	Screw	2	M3 × 8L	
12	610310	←	Screw	2	M3 × 10L	
13	600310	←	C Ring	1	φ 10	
14	006504	←	Auto switch	2		

Figure 14 Laminate Module-Tacking Block Drive Cover Front

Option

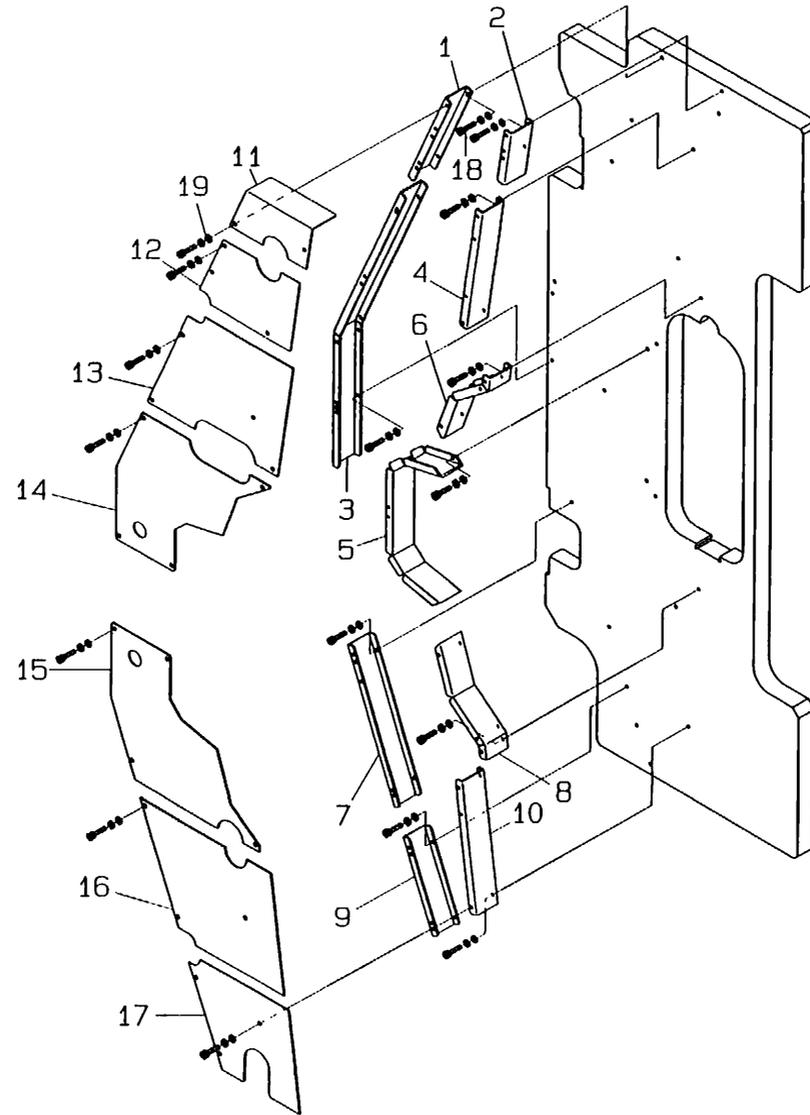


Table 14

Laminate Module-Tacking Block Drive Cover Front

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01601	←	Bracket	1		
2	00A01609	←	Bracket	1		
3	00A01603	00A01604	Bracket	1		
4	00A01611	00A01612	Bracket	1		
5	00A01610	←	Bracket	1		
6	00A01613	←	Bracket	1		
7	00A01605	00A01606	Bracket	1		
8	00A01613	←	Bracket	1		
9	00A01608	00A01607	Bracket	1		
10	00A01614	00A01615	Bracket	1		
11	00A01621	00A01622	Cover	1		
12	00A01623	←	Cover	1		
13	00A01624	←	Cover	1		
14	00A01625	←	Cover	1		
15	00A01626	←	Cover	1		
16	00A01627	←	Cover	1		
17	00A01628	←	Cover	1		
18	610408	←	Screw	23	M4 × 8L	
19	610408	←	Screw	22	M4 × 8L	

Option

Figure 15 Laminate Module-Tacking Block Drive Cover Rear

Option

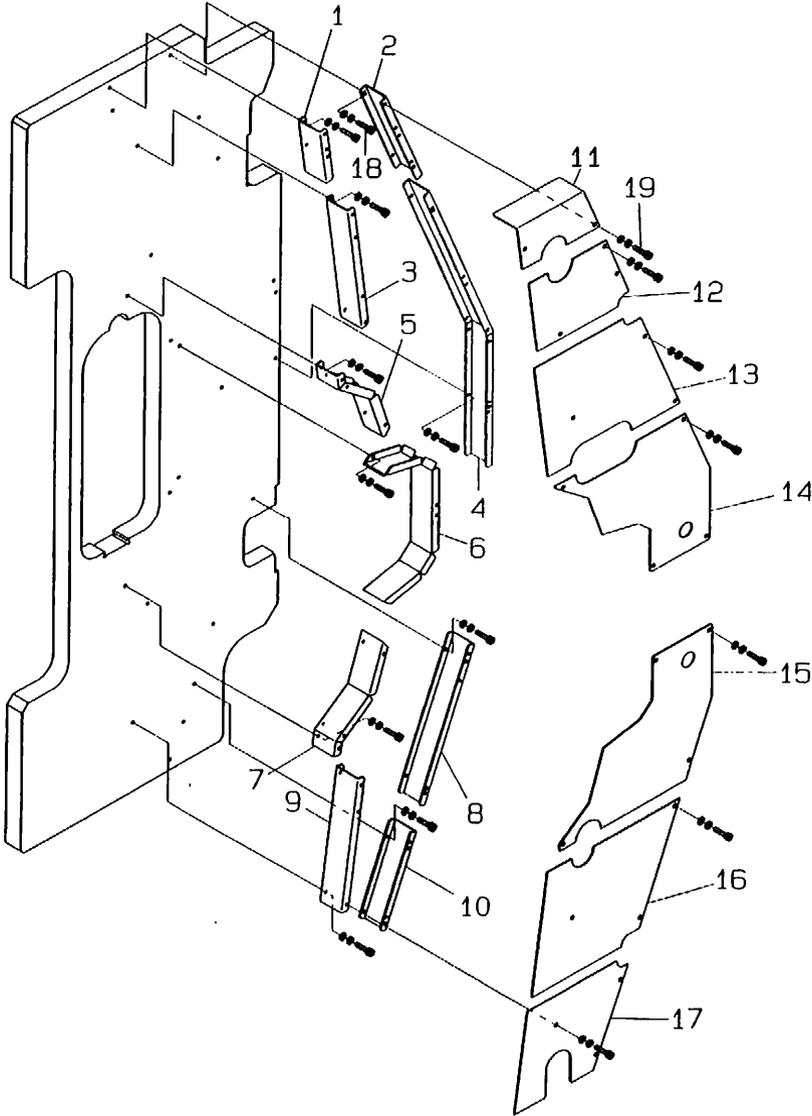


Table 15

Laminate Module-Tacking Block Drive Cover Rear

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01609	←	Bracket	1		
2	00A01602	←	Bracket	1		
3	00A01612	00A01611	Bracket	1		
4	00A01604	00A01603	Bracket	1		
5	00A01613	←	Bracket	1		
6	00A01610	←	Bracket	1		
7	00A01613	←	Bracket	1		
8	00A01606	00A01605	Bracket	1		
9	00A01615	00A01614	Bracket	1		
10	00A01607	00A01608	Bracket	1		
11	00A01622	00A01621	Cover	1		
12	00A01623	←	Cover	1		
13	00A01624	←	Cover	1		
14	00A01625	←	Cover	1		
15	00A01626	←	Cover	1		
16	00A01627	←	Cover	1		
17	00A01628	←	Cover	1		
18	610408	←	Screw	23	M4 × 8L	
19	610408	←	Screw	22	M4 × 8L	

Option

Figure 16 Laminate Module-Film Tension Roll, Upper and Lower

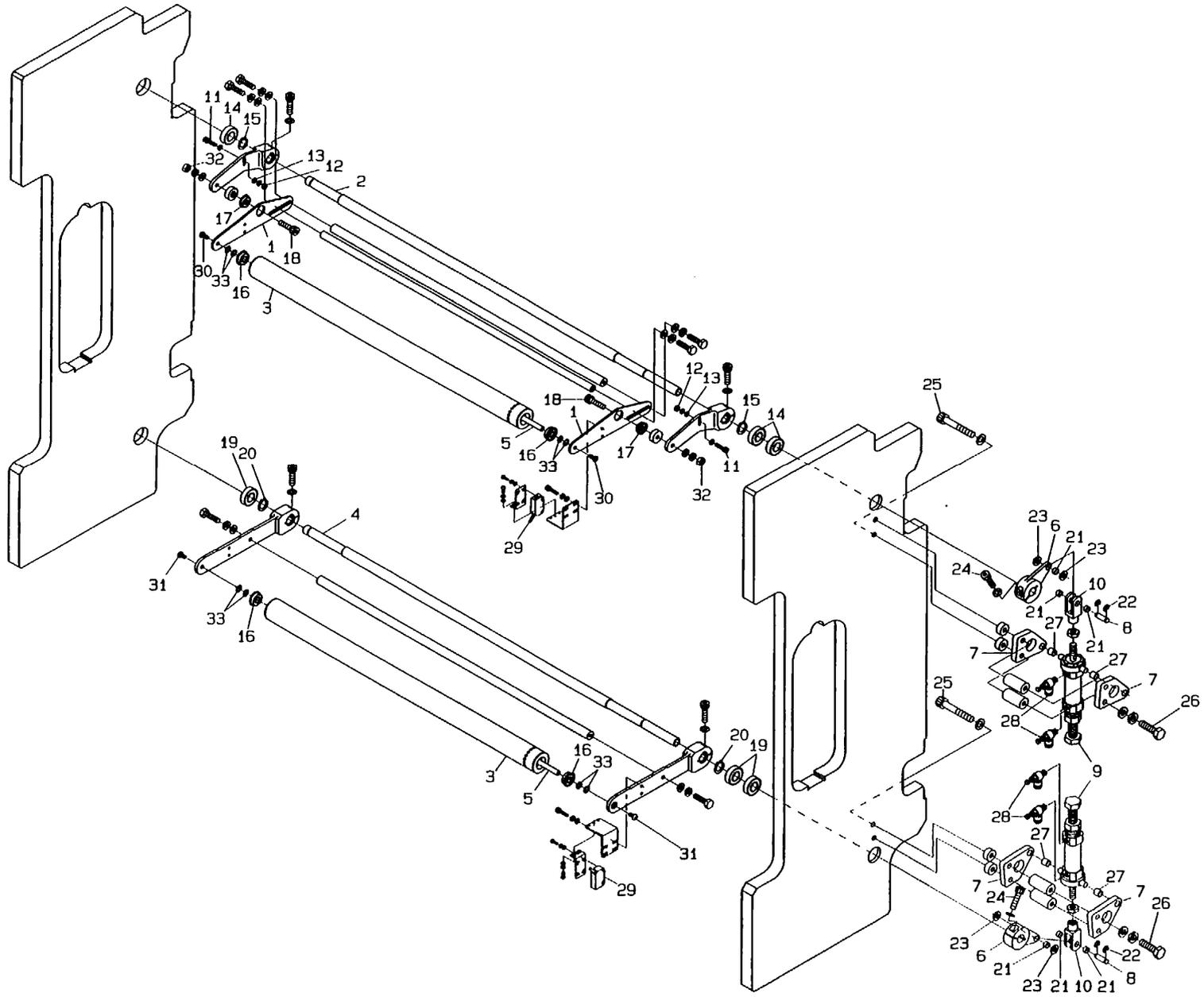


Table 16

Laminate Module-Film Tension Roll, Upper and Lower

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01207	←	Swing plate	2		
2	00A01211	←	Shaft	1		
3	00P01201	←	Tension roll assembly	2		
4	00A01222	←	Shaft	1		
5	00A01203	←	Shaft	2		
6	00A06021	←	Arm	2		
7	00A01215	←	Base plate	4		
8	00A01216	←	Pin	2		
9	021039	←	Air cylinder	2		
10	021040	←	Y knuckle	2		
11	610425	←	Screw	2	M4 × 25L	
12	600104	←	Nut	2	M4	
13	600204	←	Washer	2	φ 4	
14	045002	←	Bearing	3		
15	600315	←	C Ring	2	φ 15	
16	045076	←	Bearing	4		
17	045077	←	Bearing	2		
18	610630	←	Bolt	2	M6 × 30L	
19	045002	←	Bearing	3		
20	600315	←	C Ring	2	φ 15	
21	044714	←	DU Bushing	6		
22	600506	←	E Ring	4	φ 6	
23	044738	←	Thrust washer	4		
24	690615	←	Bolt	2	M6 × 15L	
25	690840	←	Bolt	4	M8 × 40L	
26	620825	←	Bolt	4	M8 × 25L	
27	044739	←	DU Bushing	4		
28	020508	←	Air flow controller	4		
29	003015	←	Photo sensor	2		
30	044741	←	Bolt	2		
31	044740	←	Bolt	2		
32	600506	←	Nut	2	M6	
33	00A05504	←	Shim ring	8		

Figure 17 Laminate Module-Dry Film Unit Attachment, Upper and Lower

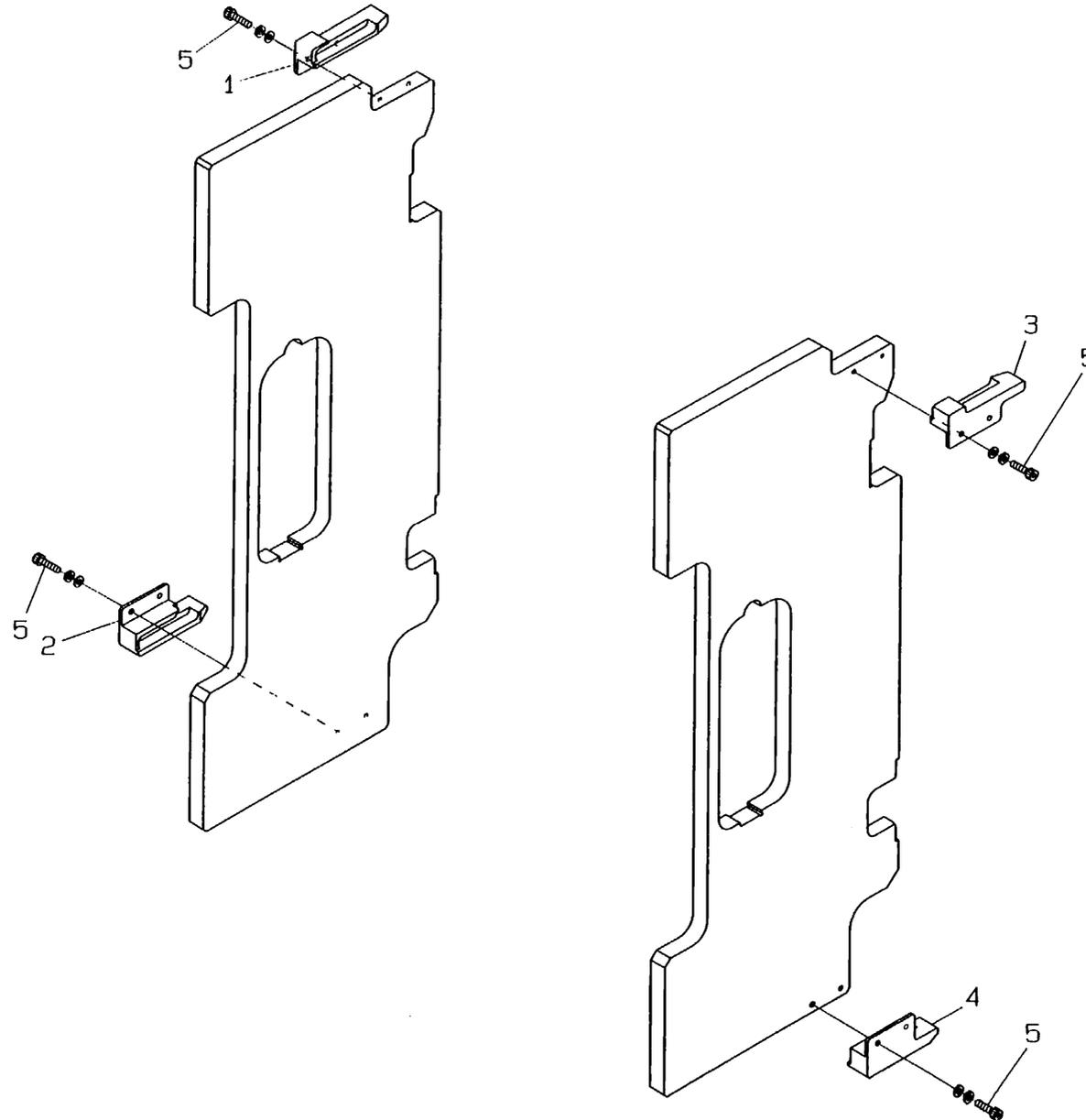


Table 17

Laminate Module-Dry Film Unit Attachment,Upper and Lower

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A06044	00A06043	Attachment	1	For upper	
2	00A06046	00A06045	Attachment	1	For lower	
3	00A06043	00A06044	Attachment	1	For upper	
4	00A06045	00A06046	Attachment	1	For lower	
5	610620	←	Bolt	8	M6 X 20L	

Figure 18 Lminate Module-Upper DF Unit

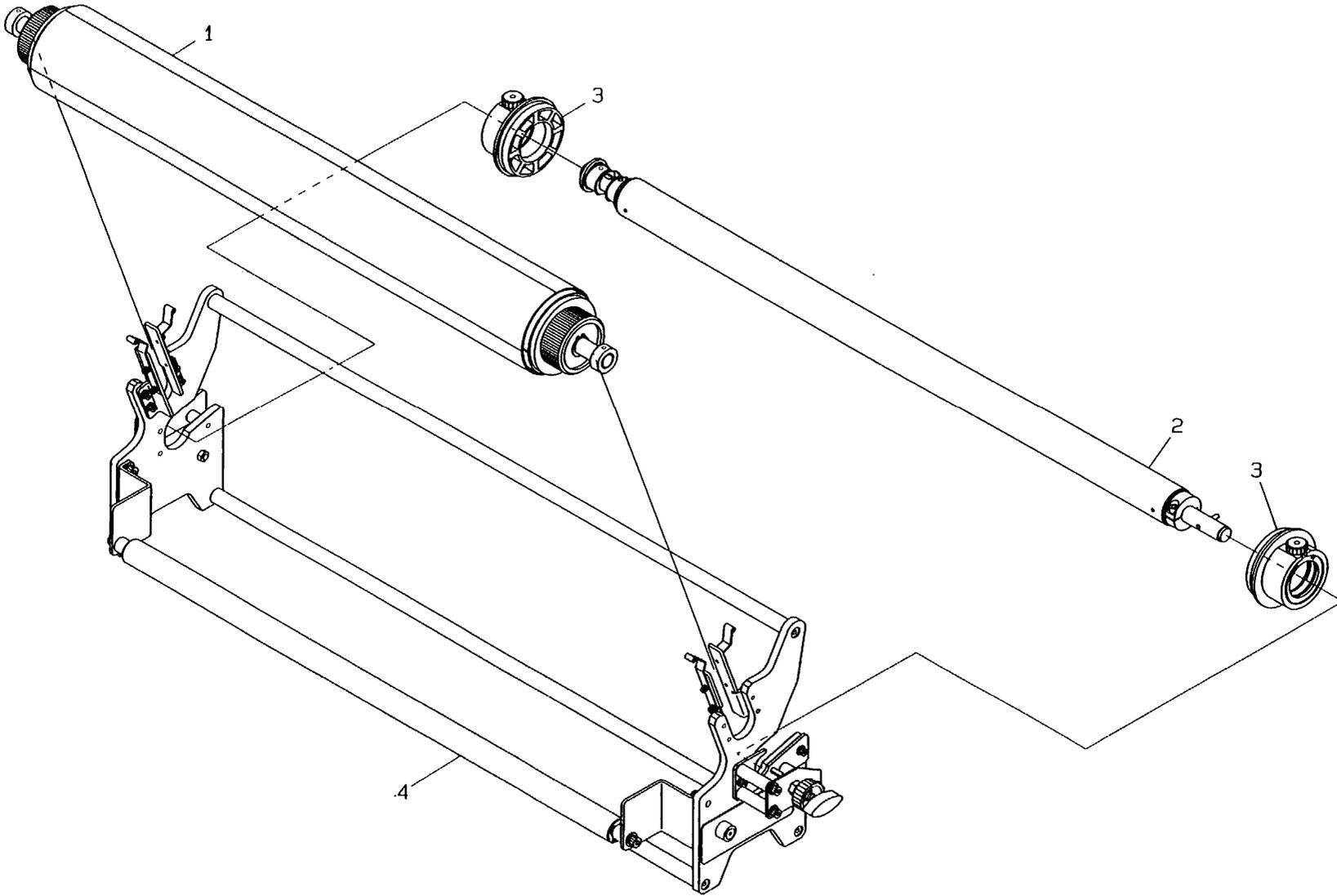


Table 18

Lminate Module-Upper DF Unit

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01761	←	Eco roll	1		
2	11606751	←	Film roll shaft	1		
3	11507101	←	Retainer	2	For 3 inchs core	
4	00L00171	00R00171	DF Unit assembly	1	For upper	

Figure 19 Lminate Module-Lower DF Unit

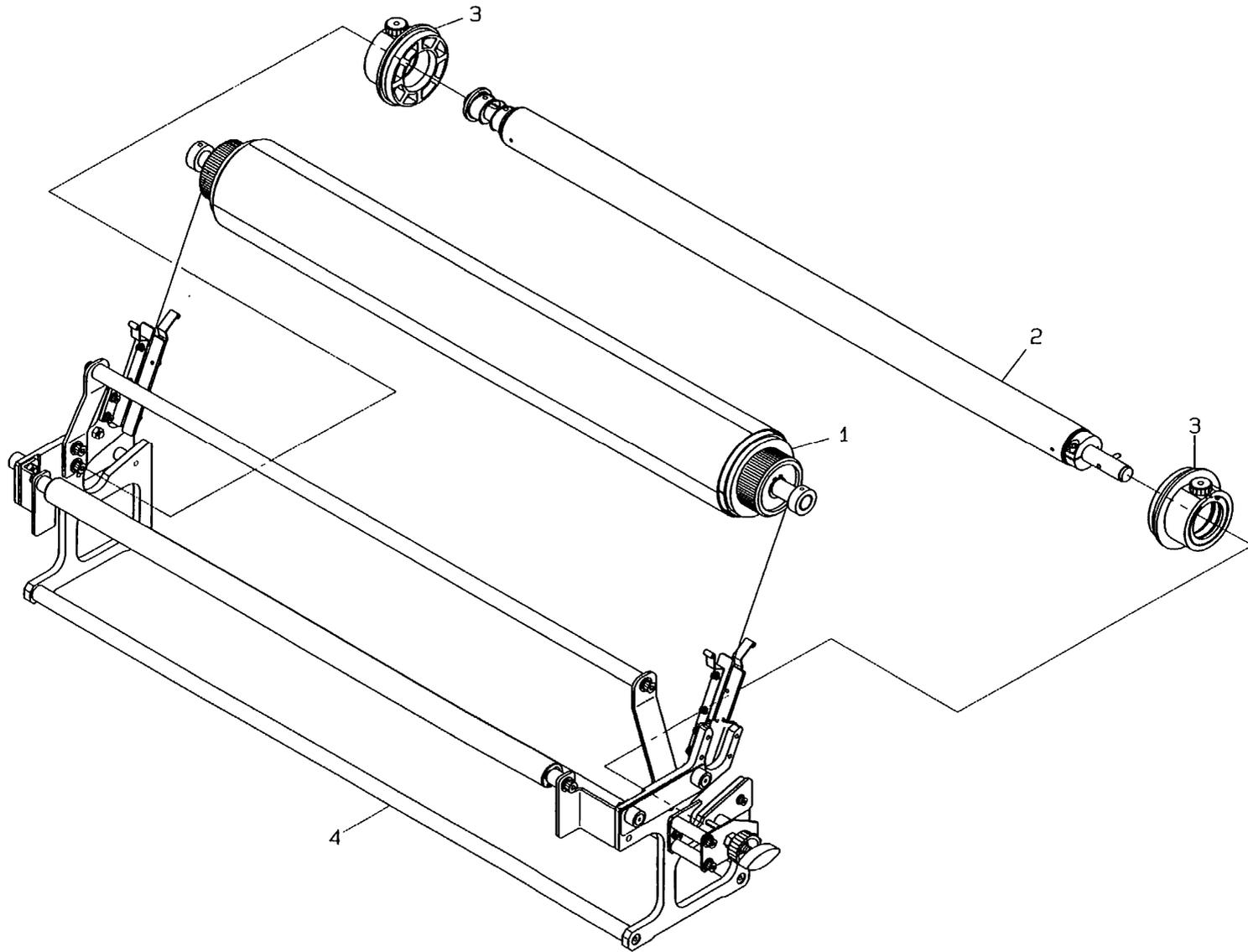


Table 19

Lminate Module-Lower DF Unit

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01761	←	Eco roll	1		
2	11606751	←	Film roll shaft	1		
3	11507101	←	Retainer	2	For 3 inchs core	
4	00L00172	00R00172	DF Unit assembly	1	For lower	

Figure 20 Laminate Module-Dry Film Bulk Unit

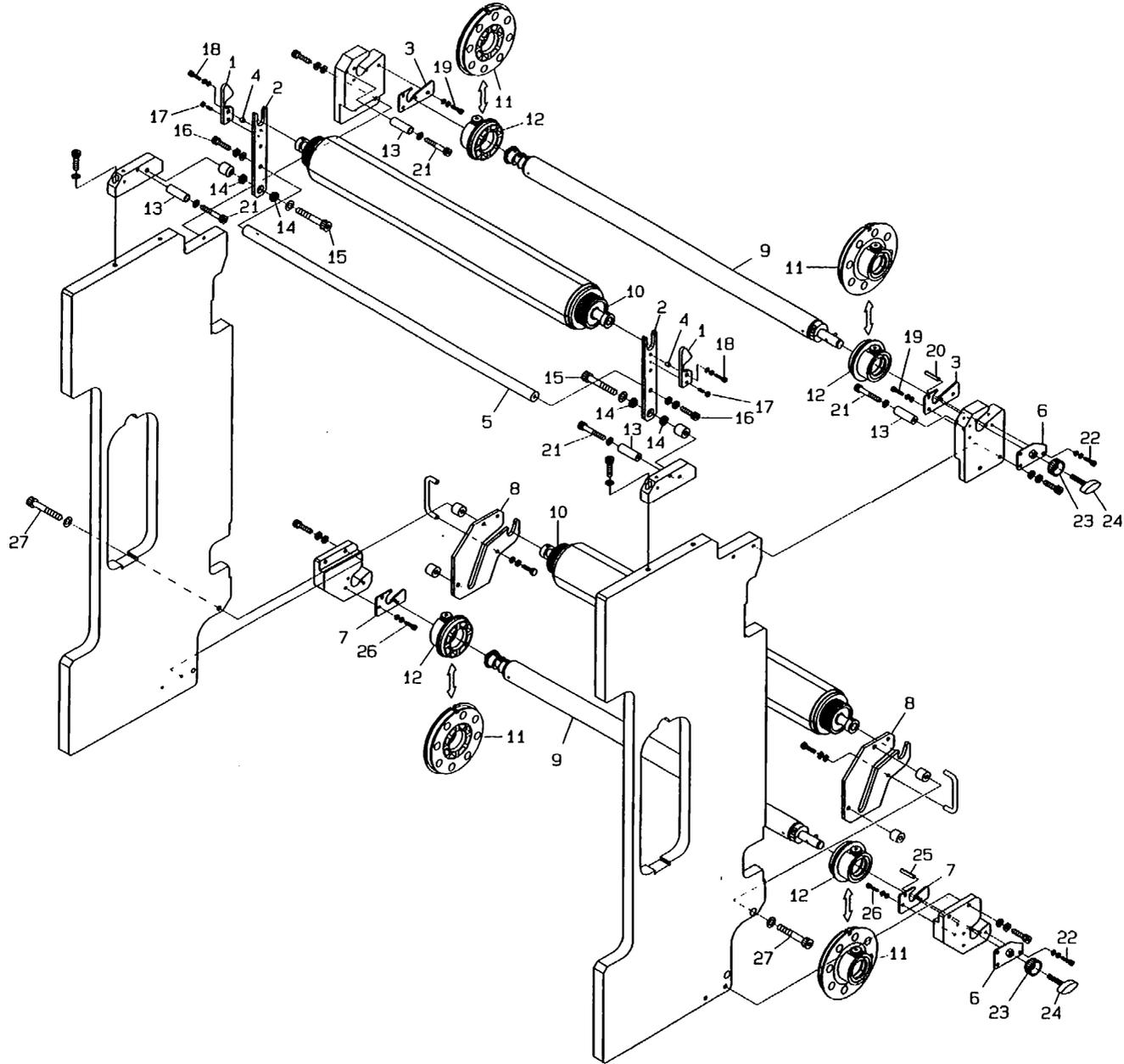
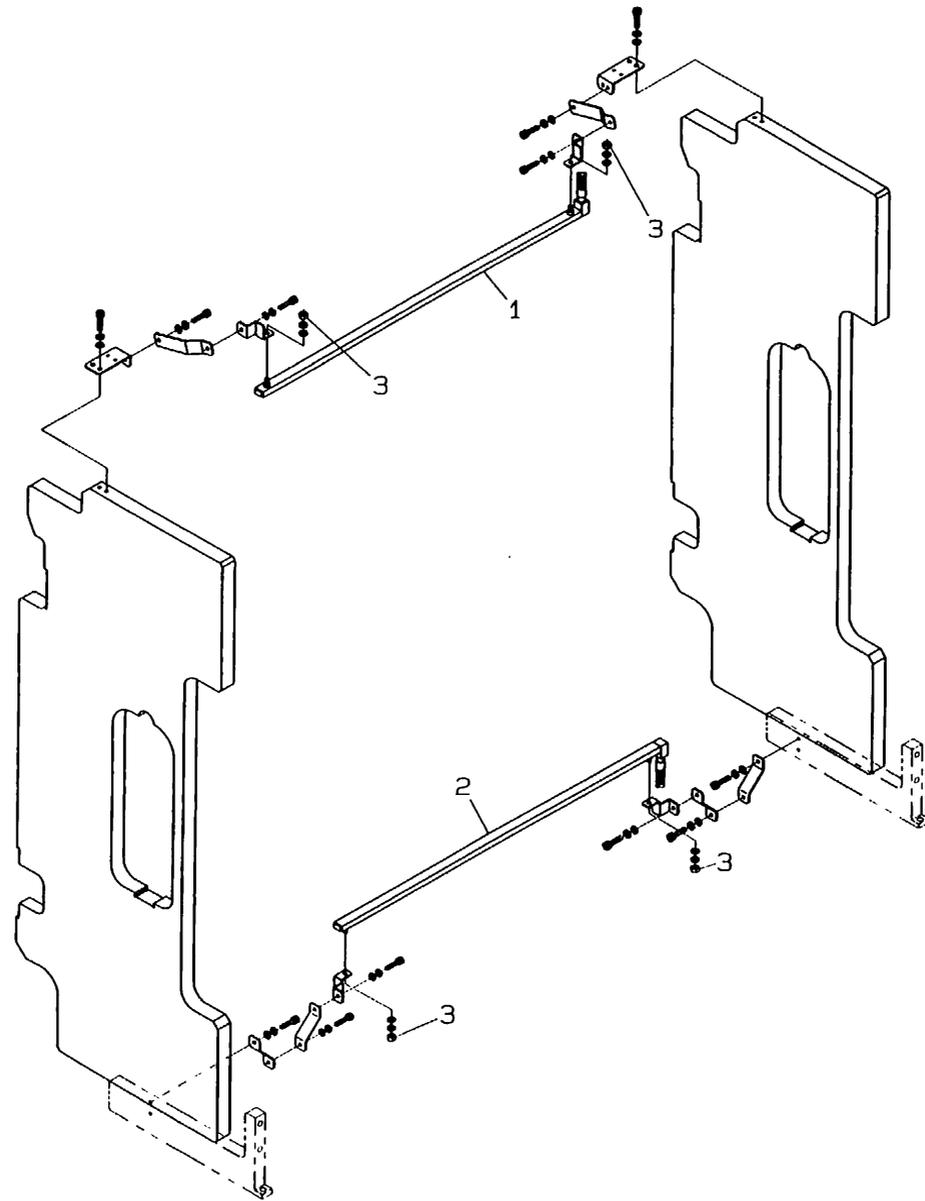


Figure 21 Laminate Module-Static Electricity Eliminator



Mach630up

Table 21 Laminate Module-Static Electricity Eliminator

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	000467	←	Eliminator	1		
2	000468	←	Eliminator	1		
3	600105	←	Nut	4	M5	

Figure 22 Laminate Module-Auxiliary Conveyor

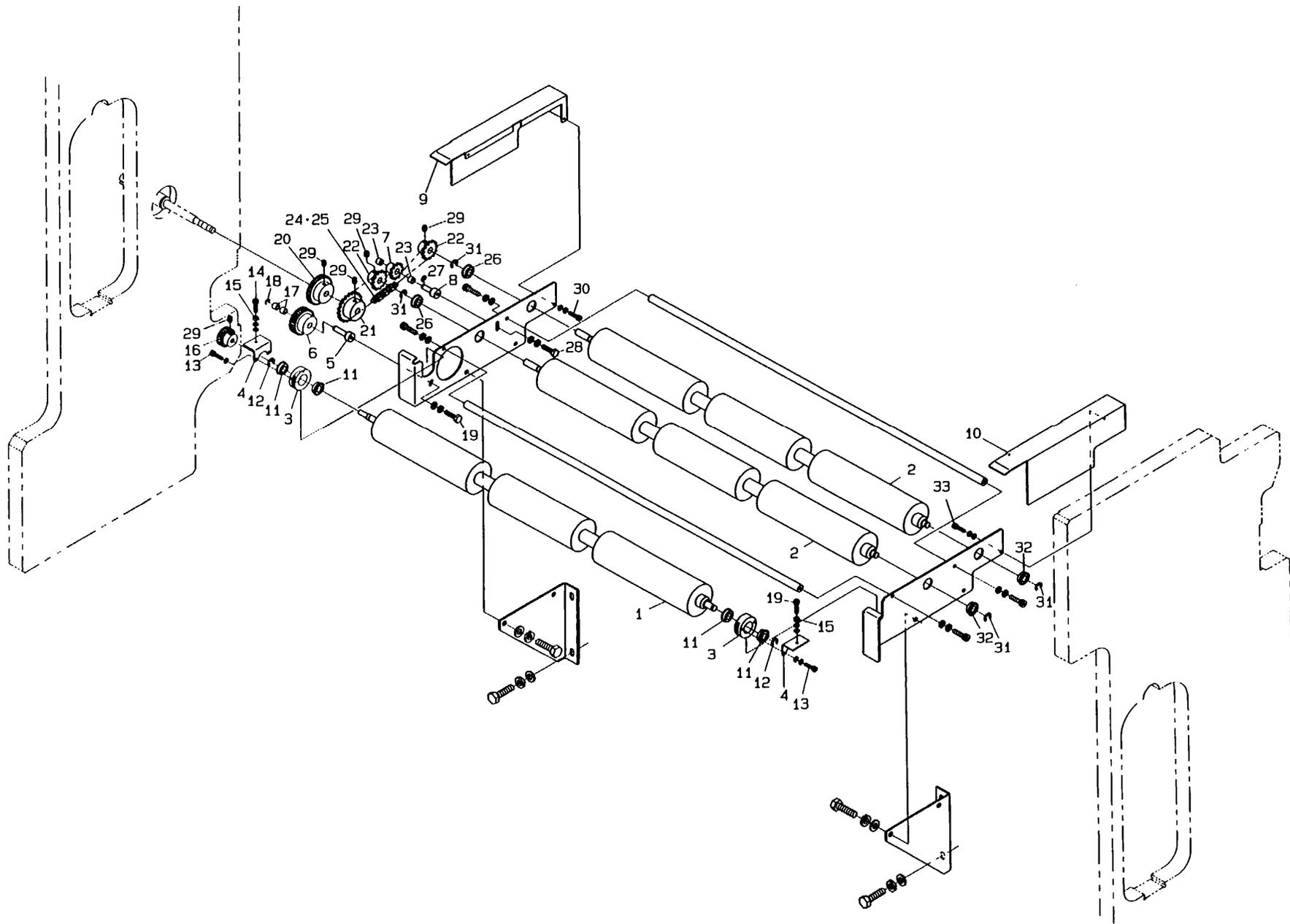


Table 22

Laminate Module-Auxiliary Conveyor

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02301	←	Roll	1		
2	00A02302	←	Roll	2		
3	00A02309	←	Slide housing	2		
4	00A02314	←	Bracket	2		
5	00A02310	←	Pin	1		
6	00A02312	←	Spur gear	1		
7	00A02313	←	Sprocket	1		
8	00A02311	←	Pin	1		
9	00A02320	00A02321	Cover	1		
10	00A02321	00A02320	Cover	1		
11	045078	←	Bearing	4		
12	600506	←	E Ring	2	φ 6	
13	690306	←	Screw	4	M3 × 6L	
14	610320	←	Screw	2	M3 × 20L	
15	600103	←	Nut	2	M3	
16	044758	←	Spur gear	1		
17	044716	←	DU Bushing	2		
18	600504	←	E Ring	1	φ 4	
19	620408	←	Screw	1	M4 × 8L	
20	044759	←	Spur gear	1		
21	044751	←	Sprocket	1		
22	044750	←	Sprocket	2		
23	044716	←	DU Bushing	2		
24	044752	←	Chain	1	65Links	
25	044005	←	Joint link	1	For RS25 NP	
26	045078	←	Bearing	2		
27	600504	←	E Ring	1	φ 4	
28	620408	←	Screw	1	M4 × 8L	
29	680405	←	Screw	5	M4 × 5L	
30	610308	←	Screw	2	M3 × 8L	
31	600506	←	E Ring	4	φ 6	
32	045078	←	Bearing	2		
33	610308	←	Screw	2	M3 × 8L	

Figure 23 Laminate Module-Cutter

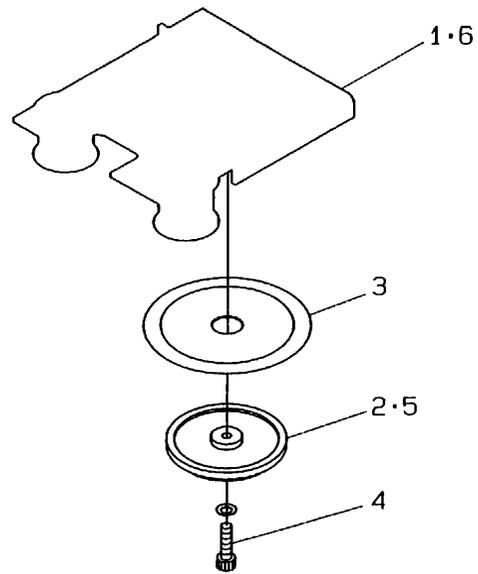


Table 23

Laminate Module-Cutter

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00P01407	00P01406	Cutter assembly	1	For upper	
2	00A01412	←	Holder	1	For upper	
3	044022	←	Cutter	2		
4	690310	←	Screw	2	M3×10L	
5	00A01428	←	Holder	1	For lower	
6	00P01406	00P01407	Cutter assembly	1	For lower	

Figure 24 Laminate Module-Cutter Drive

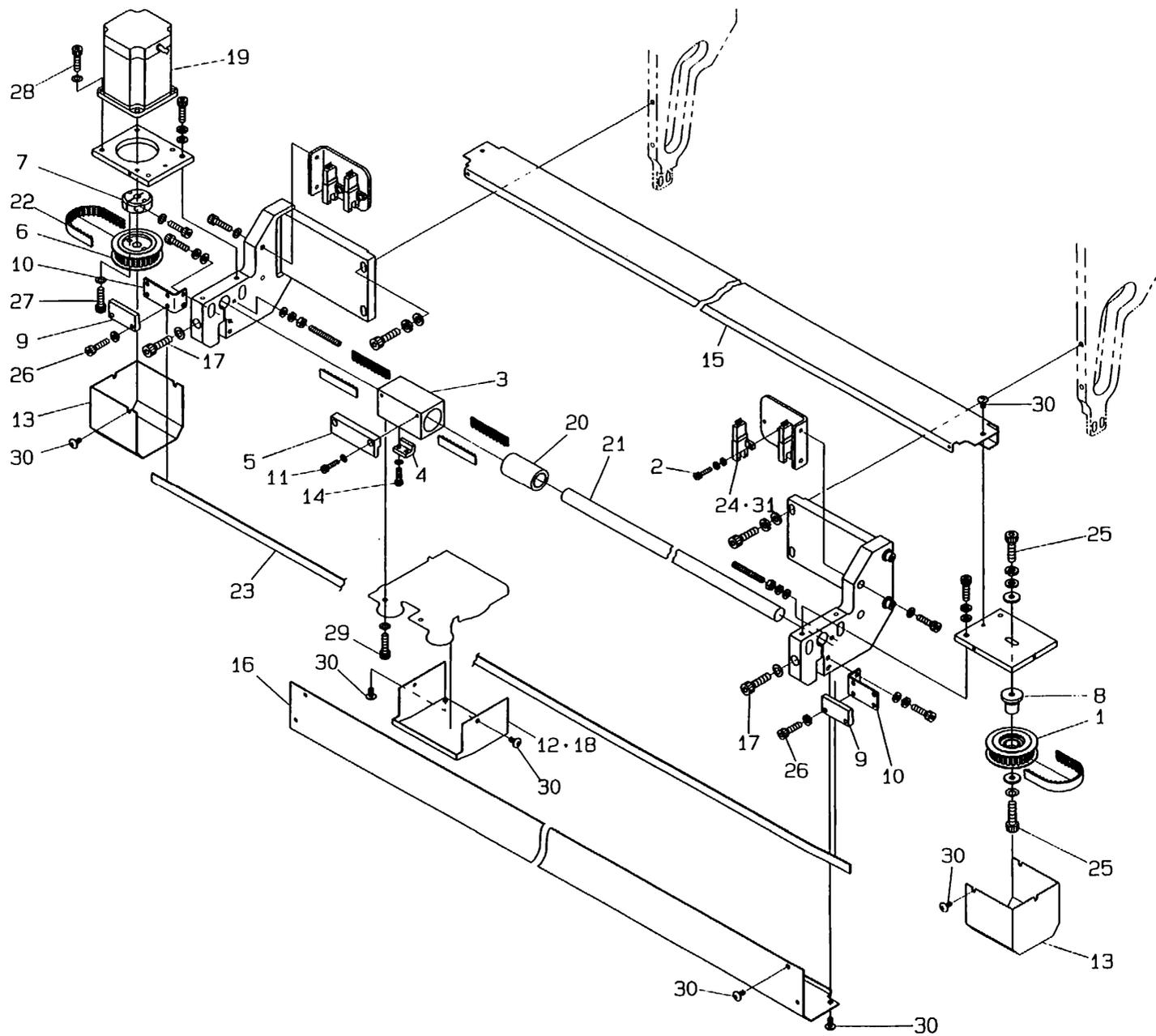


Table 24

Laminate Module-Cutter Drive

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00P01417	←	Timing pully assembly	2		
2	610310	←	Screw	16	M3 × 10L	
3	00A01408	←	Slide housing	2		
4	00A01409	←	Key	2		
5	00A01410	←	Belt clamp	2		
6	00A01418	←	Timing pully	2		
7	00A01419	←	Pully boss	2		
8	00A01420	←	Tension pin	2		
9	00A01421	←	Belt clmp	4		
10	00A01422	←	Bracket	4		
11	690310	←	Screw	4	M3 × 10L	
12	00A01449	00A01450	Cover	1	For upper	
13	00A01451	←	Cover	4		
14	610308	←	Screw	4	M3 × 8L	
15	00A01454	←	Cover	2		
16	00A01455	←	Cover	2		
17	690520	←	Screw	4	M5 × 20L	
18	00A01450	00A01449	Cover	1	For lower	
19	014003	←	Stripping motor	2		
20	045068	←	Linear bearing	2		
21	045068	←	Ball spline shaft	2		
22	018052	←	Timing belt	2		
23	018045	←	Flat belt	2		
24	006041	←	Photo sensor	8		
25	610515	←	Screw	4	M5 × 15L	
26	610410	←	Screw	8	M4 × 10L	
27	690415	←	Screw	6	M4 × 15L	
28	690412	←	Screw	8	M4 × 12L	
29	690408	←	Screw	4	M4 × 8L	
30	660306	←	Screw	32	M3 × 6L	
31	006047	←	Connecter	8		

Figure 25 Laminate Module-Tacking Plate

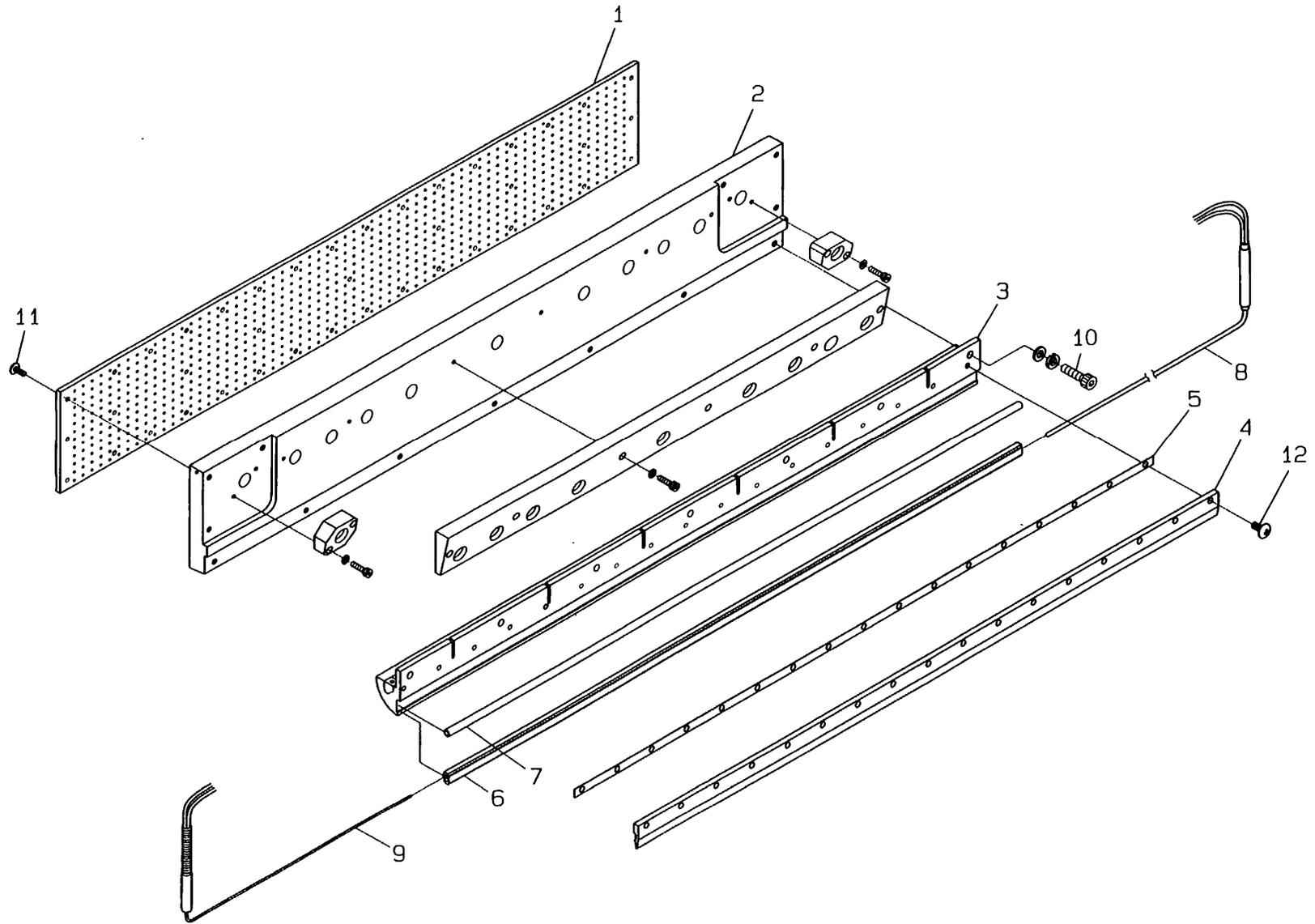


Table 25

Laminate Module-Tacking Plate

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01301	←	Tacking plate	2		
2	00A01302	←	Tacking plate base	2		
3	00A01303	←	Tacking plate tip	2		
4	00A01304	←	Retaining plate	2		
5	00A01305	←	Spacer	2		
6	11503535	←	Tacking rubber	2		
7	11616401	←	Silicon tube	2		
8	142024	←	T.P. Heater	2		
9	106008	←	T.P. Temp. sensor	2		
10	610510	←	Screw	14	M5 × 10L	
11	670306	←	Screw	82	M3 × 6L	
12	640412	←	Screw	34	M4 × 12L	

Figure 26 Laminate Module-Vacuum Manifold, Upper

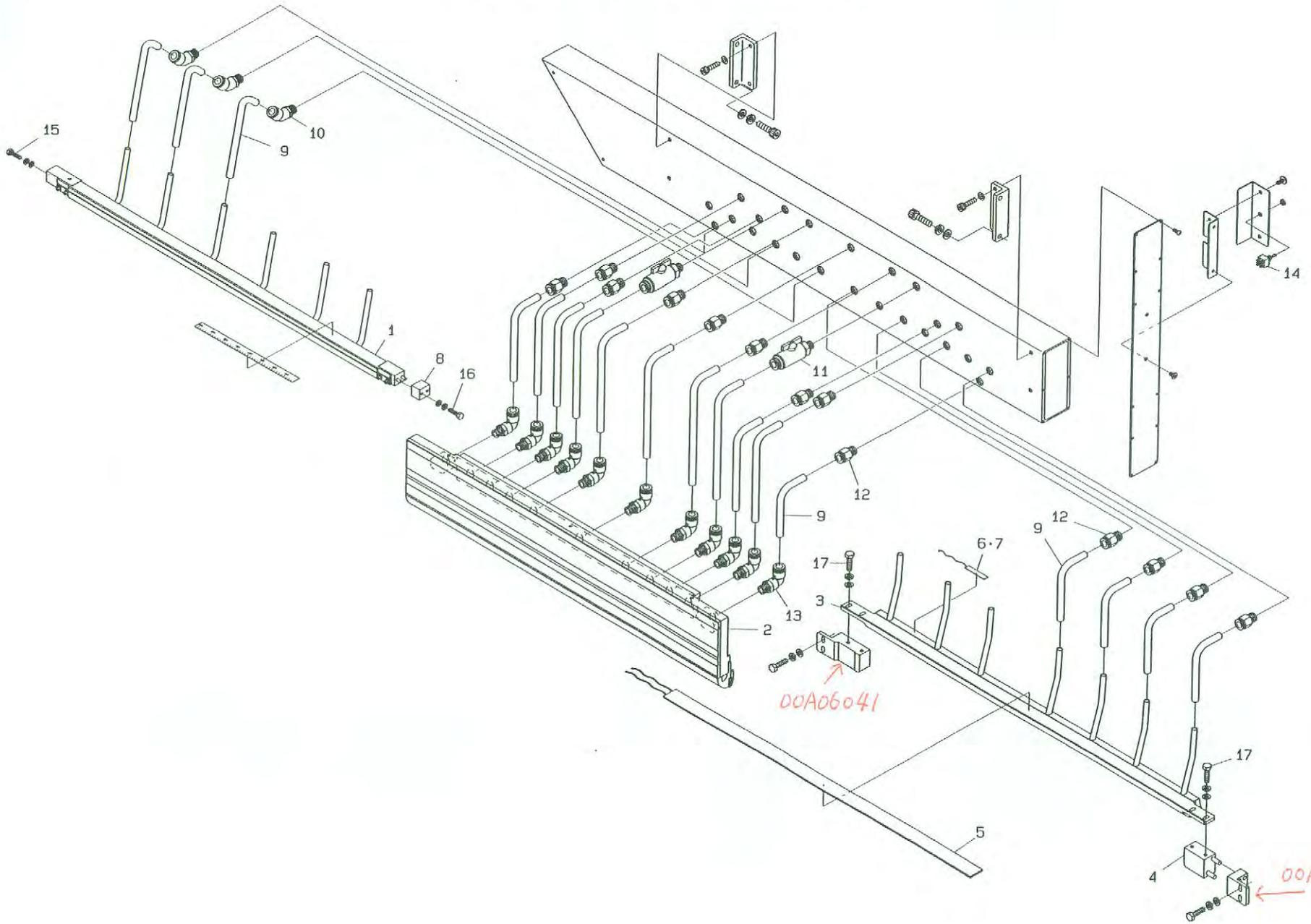


Table 26

Laminate Module-Vacuum Manifold, Upper

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00P01551	00S01551	Cutter back up Assembly	1		
2	00P01301	←	Tacking plate Assembly	1	With heater,sensor and tacking rubber	
3	00P01556	←	Film guide Assembly	1		
4	00A01567	00A01566	Bracket	1	With dowel pin	
5	042008	←	Film guide heater	1	Option part	
6	006031	←	Temperature sensor	1	Option part	
7	049054	←	Heat-resistant tape	1	Option part	
8	00A01555	←	Block	1		
9	024005	←	Urethane tube			
10	025050	←	Coupling	6		
11	026002	←	Hand valve	2		
12	025051	←	Coupling	16		
13	025052	←	Coupling	11		
14	000053	←	Shap switch	1		
15	620415	←	Screw	2	M4 × 15L	
16	620415	←	Screw	2	M4 × 15L	
17	620515	←	Screw	4	M5 × 15L	

Figure 27 Laminate Module-Vacuum Manifold, Lower

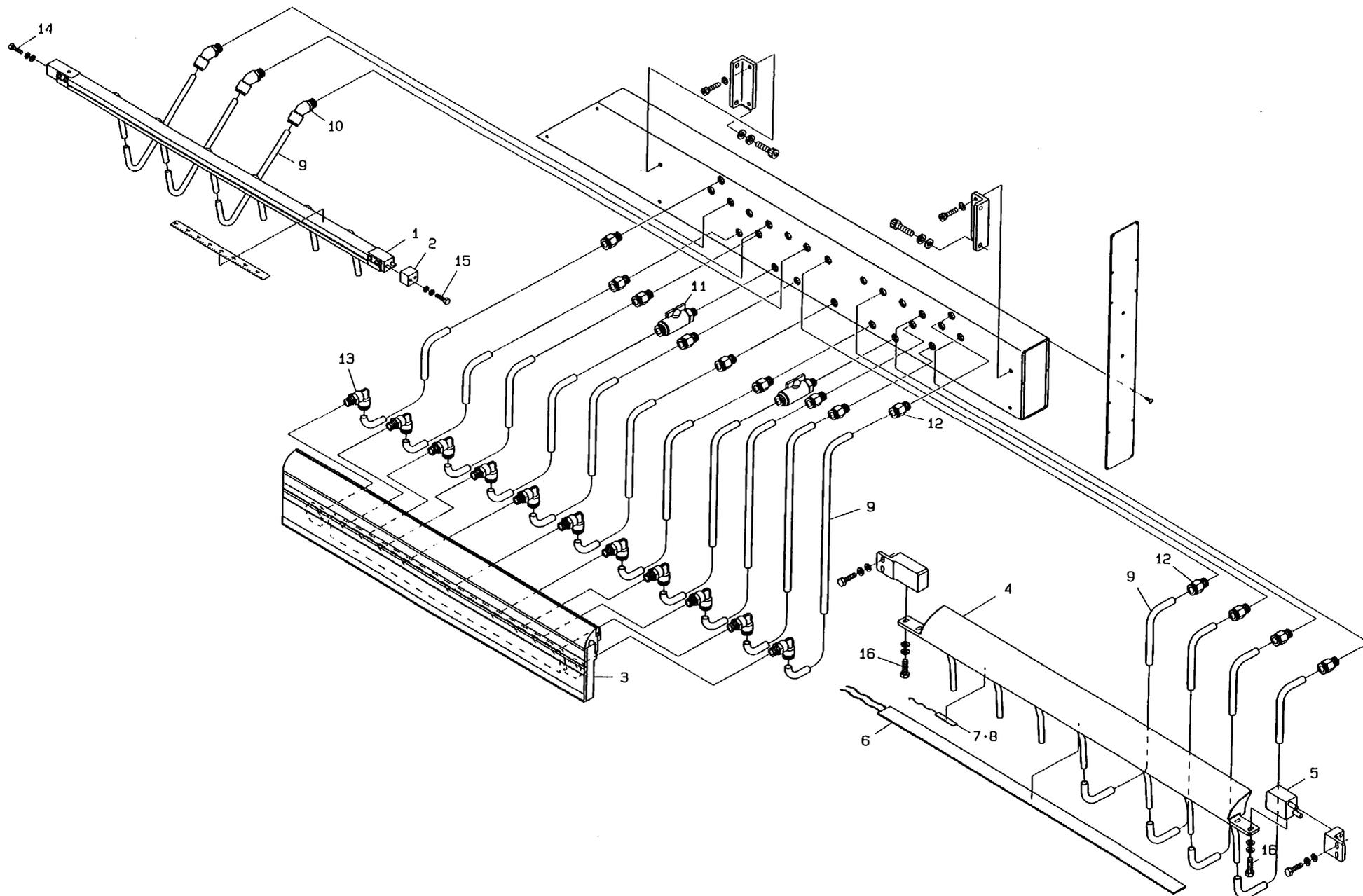


Table 27

Laminate Module-Vacuum Manifold, Lower

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00S01551	00P01551	Cutter back up Assembly	1		
2	00A01555	←	Block	1		
3	00P01301	←	Tacking plate Assembly	1	With heater,sensor and tacking rubber	
4	00P01556	←	Film guide Assembly	1		
5	00A01566	00A01567	Bracket	1	With dowel pin	
6	042008	←	Film guide heater	1	Option part	
7	006031	←	Temperature sensor	1	Option part	
8	049054	←	Heat-resistant tape	1	Option part	
9	024005	←	Urethane tube			
10	025050	←	Coupling	6		
11	026002	←	Hand valve	2		
12	025051	←	Coupling	16		
13	025052	←	Coupling	11		
14	620415	←	Screw	2	M4 × 15L	
15	620415	←	Screw	2	M4 × 15L	
16	620515	←	Screw	4	M5 × 15L	

Figure 28 Laminate Module-Vacuum Manifold, Center

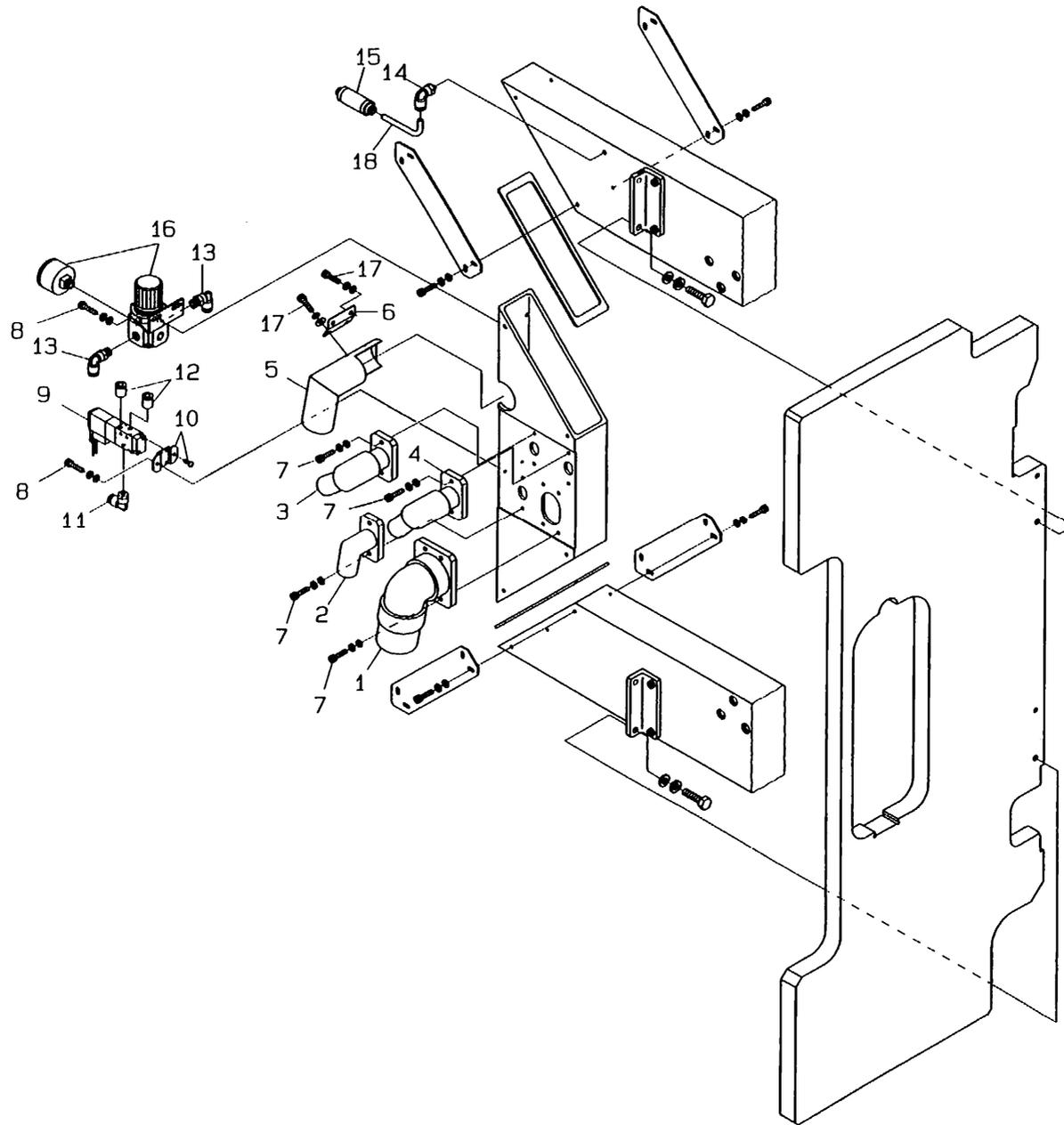


Table 28

Laminate Module-Vacuum Manifold, Center

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00L01521	00R01521	Hose nipple	1		
2	00L01522	00R01522	Hose nipple	1		
3	00L01524	00R01524	Hose nipple	1		
4	00L01523	00R01523	Hose nipple	1		
5	00L01525	00R01525	Hose nipple	1		
6	00A01526	←	Bracket	1		
7	610415	←	Screw	10	M4 × 15L	
8	610410	←	Screw	4	M4 × 10L	
9	022028	←	Solenoid valve	1		
10	022030	←	Base plate	1		
11	025513	←	Coupling	1		
12	025049	←	Coupling	2		
13	025511	←	Coupling	2		
14	025513	←	Coupling	1		
15	028540	←	Filter	1		
16	020028	←	Regulator	1		
17	610410	←	Screw	2	M4 × 10L	
18	024006	←	Urethane tube			

Figure 29 Blower Module-Blower Fan

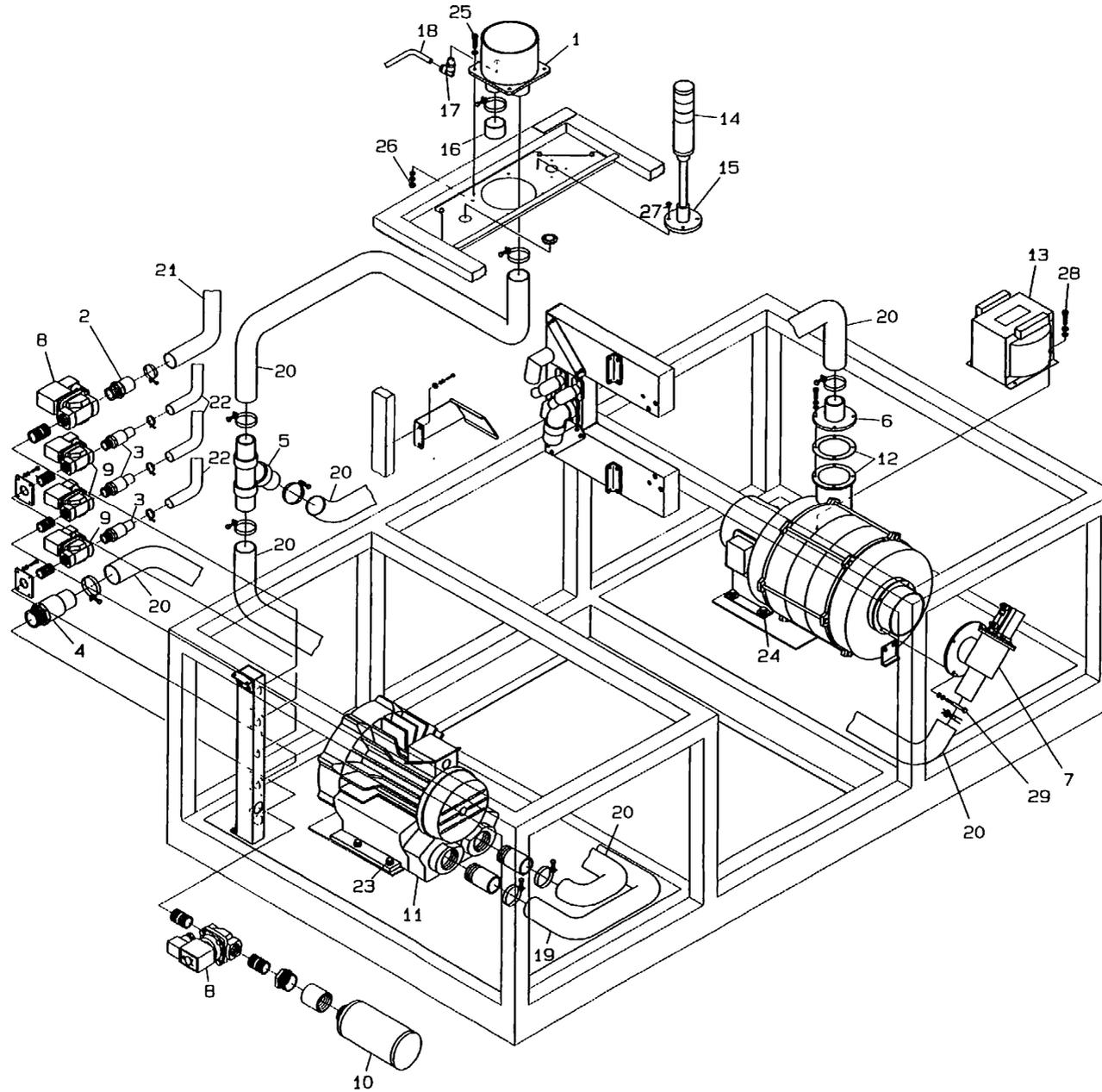


Table 29

Blower Module-Blower Fan

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A03431	←	Exhaust duct	1		
2	00A03418	←	Hose nipple	1		
3	00A03416	←	Hose nipple	3		
4	00A03415	←	Hose nipple	1		
5	00A03222	←	Joint	1		
6	00A03312	←	Hose nipple	1		
7	00P00181	←	Air operate valve assembly	1	With air cylinder and air flow controller	
8	022029	←	Solenoid valve	2		
9	022025	←	Solenoid valve	3		
10	028006	←	Air filter	1		
11	037004	←	Blower fan	1		
12	037001	←	Blower fan	1		
13	000075	←	Transformer	1		
14	00A03145	←	Signal tower	1		
15	000125	←	Signal tower stander	1		
16	049051	←	Cap	1		
17	025543	←	Coupling	1		
18	024505	←	Urethane tube			
19	041068	←	Hose		φ 48.6	
20	041067	←	Hose		φ 50	
21	041066	←	Hose		φ 38	
22	041065	←	Hose		φ 25	
23	620825	←	Bolt	4	M8 × 25L	
24	620830	←	Bolt	4	M8 × 30L	
25	610620	←	Bolt	4	M6 × 20L	
26	600106	←	Nut	4	M6	
27	640415	←	Screw	4	M4 × 15L	
28	610620	←	Bolt	4	M6 × 20L	
29	620560	←	Screw	4	M5 × 60L	

Figure 30 Laminate Module-Cover, Operation Side

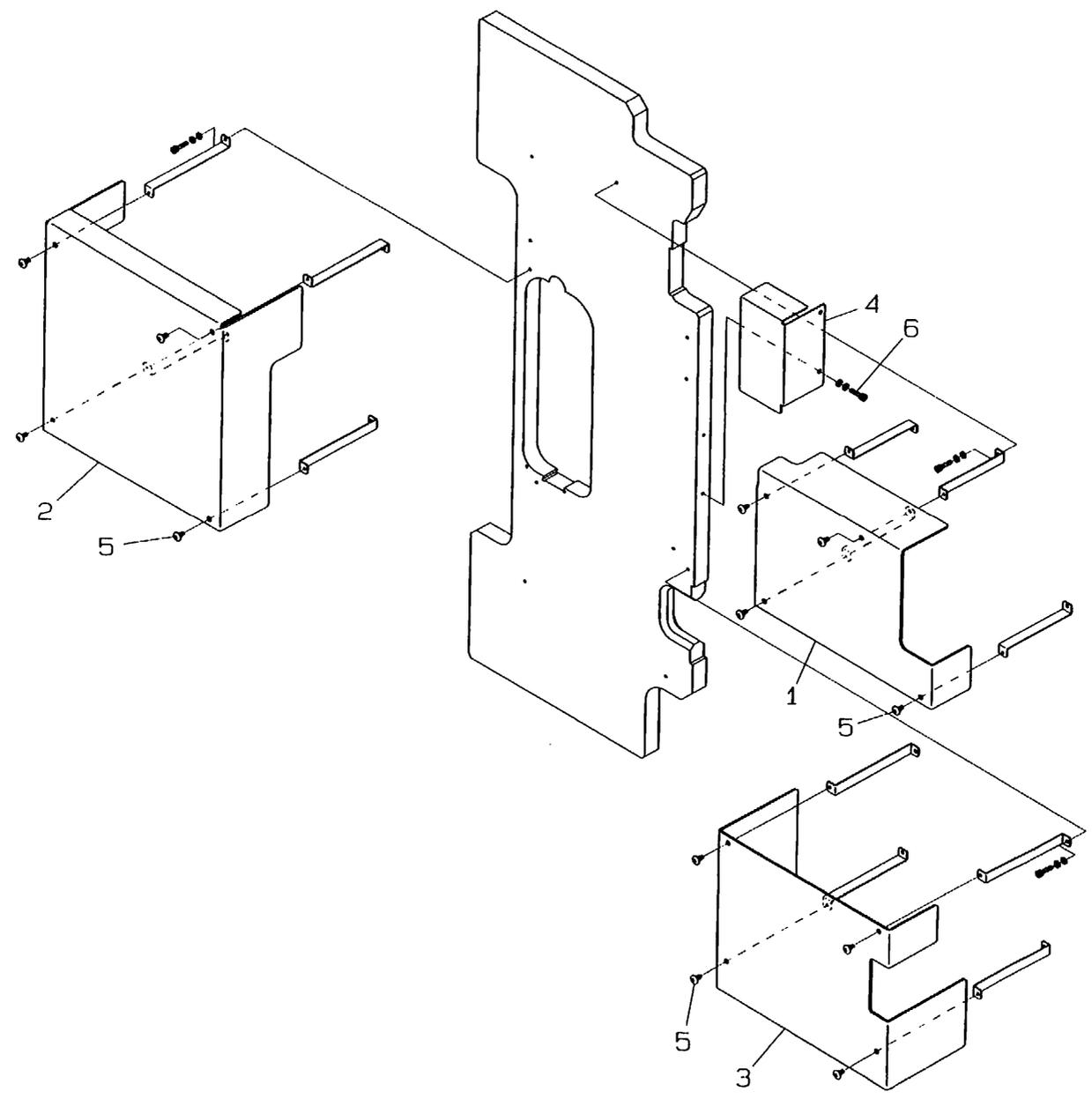


Table 30

Laminate Module-Cover, Operation Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00L01633	00R01633	Cover	1	Option part	
2	00L01634	00R01634	Cover	1	Option part	
3	00L01635	00R01635	Cover	1	Option part	
4	00A01642	00A01641	Cover	1		
5	00A01646	←	Screw	12	Option part M4 × 8L	
6	610410	←	Screw	2	M4 × 10L	

Figure 31 Laminate Module-Cover, Drive Side

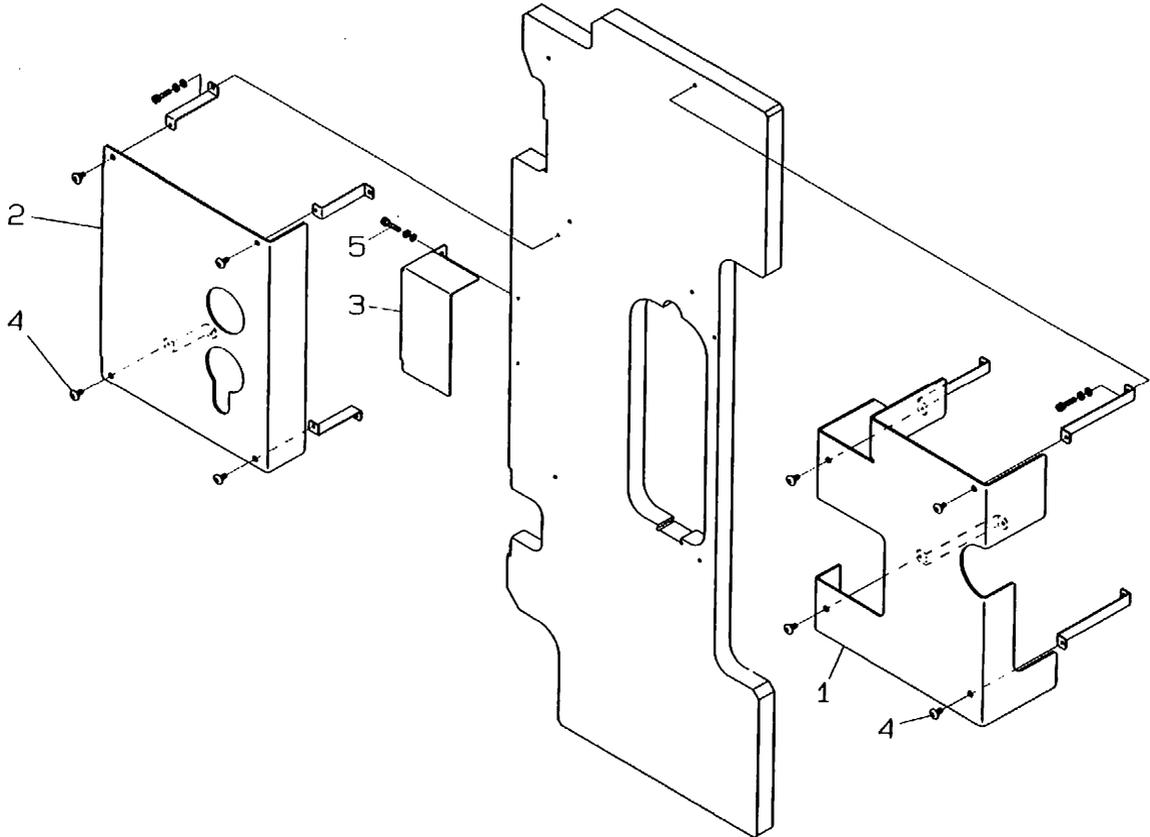


Table 31

Laminate Module-Cover, Drive Side

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00L01631	00R01631	Cover	1	Option part	
2	00L01632	00R01632	Cover	1	Option part	
3	00A01641	00A01642	Cover	1		
4	00A01646	←	Screw	8	Option part M4 × 8L	
5	610410	←	Screw	2	M4 × 10L	

Figure 40 Input Conveyor Module-Front Drive System

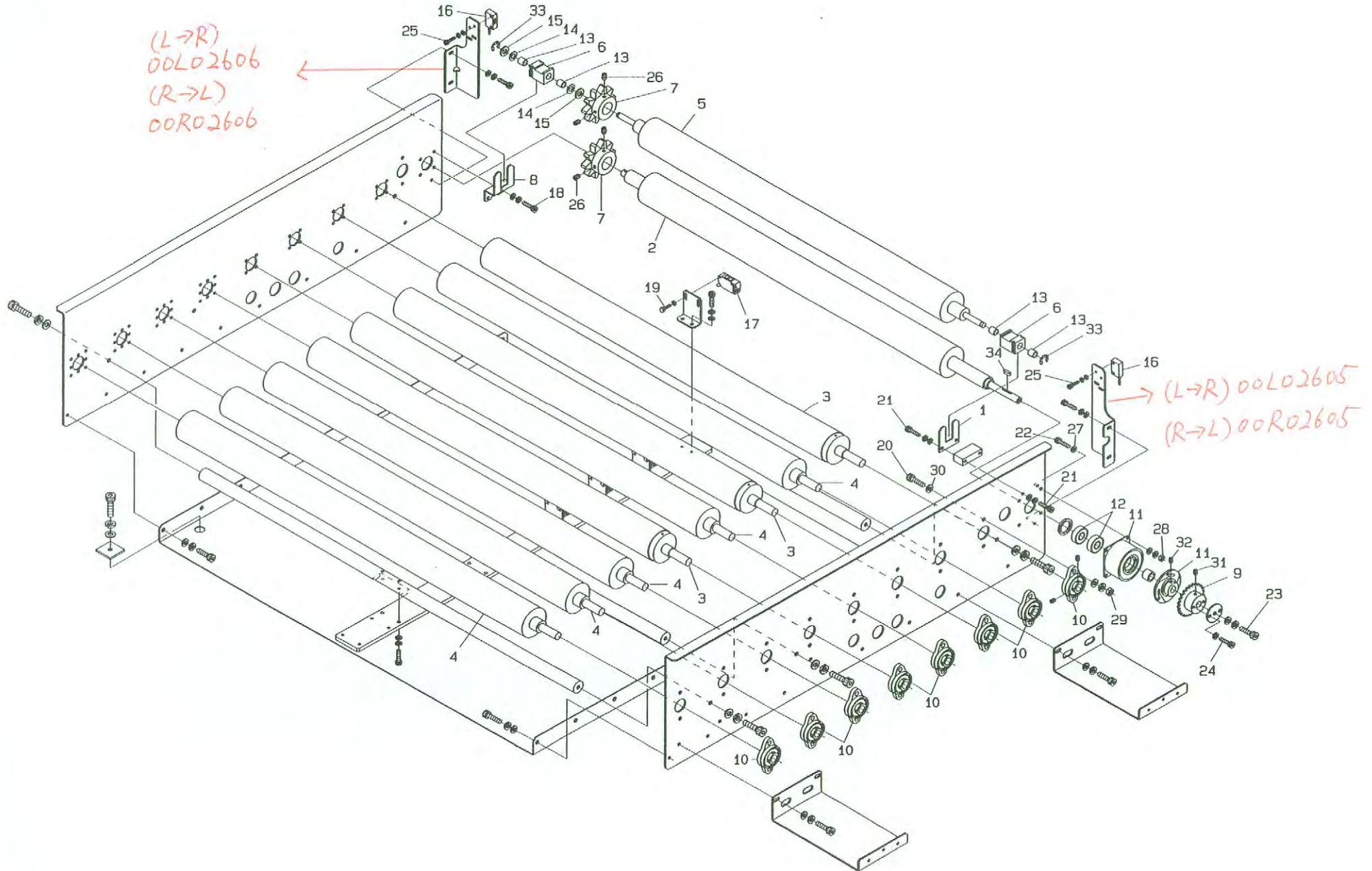


Table 40

Input Conveyor Module-Front Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02221	←	Bracket	1		
2	00A02215	←	Roll	1		
3	00A02101	←	Roll	3		
4	00A02102	←	Roll	5		
5	00A02214	←	Roll	1		
6	00A06030	←	Slide housing	2		
7	00A02223	←	Spur gear	2		
8	00A02220	←	Bracket	1		
9	00A02224	←	Sprocket	1		
10	045071	←	Bearing unit	8	With set screw	
11	018022	←	Brake	1		
12	045006	←	Bearing	2		
13	044731	←	M liner bushing	4		
14	044732	←	Thurst washer	2		
15	600208	←	Washer	2	φ 8	
16	003013	←	Photo sensor	1		
17	003014	←	Photo sensor	4		
18	610410	←	Screw	2	M4 × 10L	
19	620308	←	Screw	8	M3 × 8L	
20	610518	←	Screw	16	M5 × 18L	
21	610410	←	Screw	4	M4 × 10L	
22	610410	←	Screw	4	M4 × 10L	
23	610515	←	Screw	1	M5 × 15L	
24	610410	←	Screw	2	M4 × 10L	
25	610310	←	Screw	4	M3 × 10L	
26	680505	←	Screw	4	M5 × 5L	
27	600204	←	Washer	4	φ 4	
28	600104	←	Nut	4	M4	
29	600105	←	Nut	16	M5	
30	600205	←	Washer	16	φ 5	
31	680405	←	Screw	1	M4 × 5L	
32	880406	←	Screw	1	M4 × 6L	
33	600506	←	E Ring	2	φ 6	
34	044733	←	Key	1	4 × 4 × 12L	

Figure 41 Input Conveyor Module-Conveyor Drive System

Option

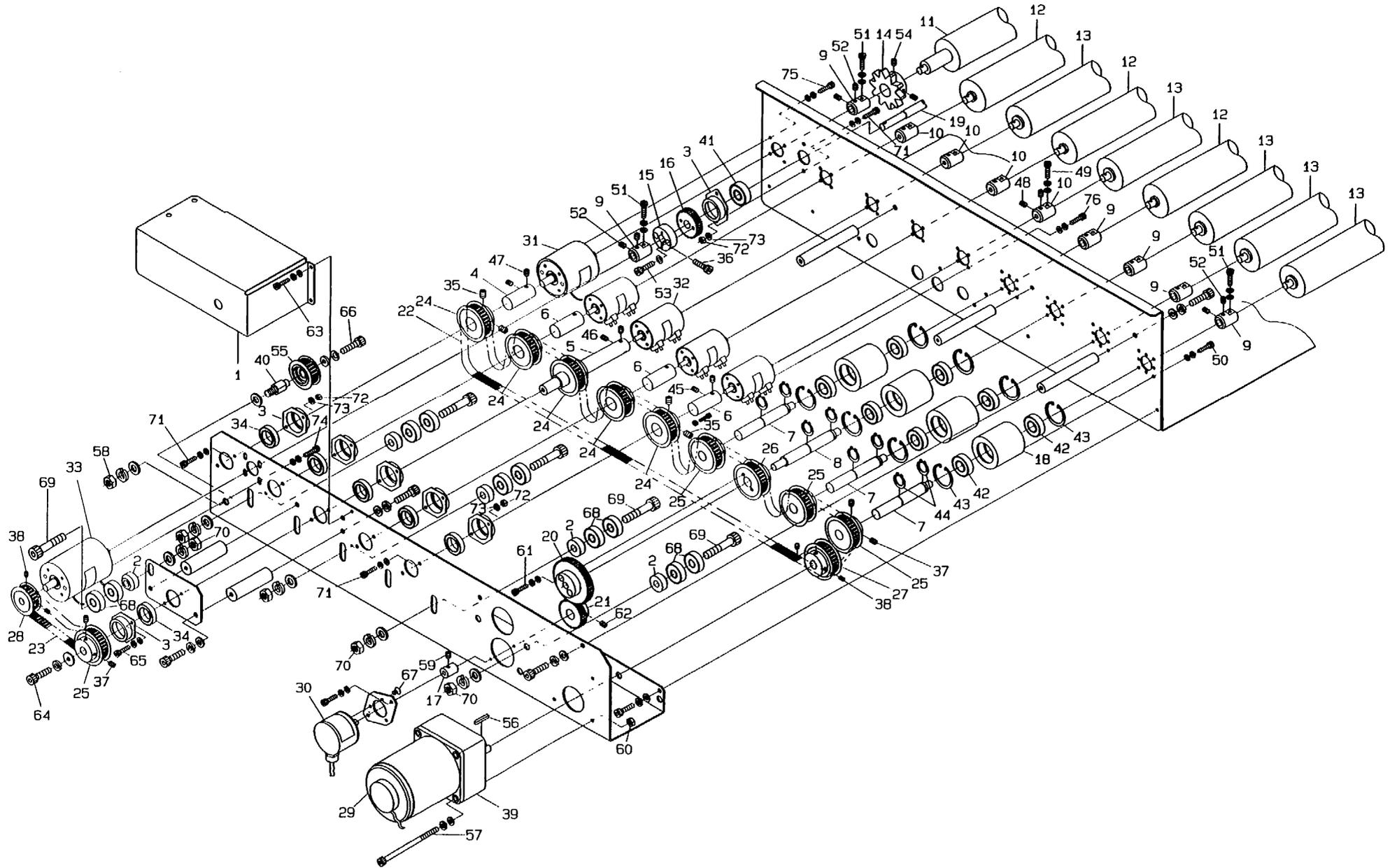


Table 41

Input Conveyor Module-Conveyor Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00L02611	00R02611	Cover	1		
2	00A02149	←	Spacer	5		
3	00A02007	←	Housing	7		
4	00A02110	←	Shaft	1		
5	00A02111	←	Shaft	1		
6	00A02109	←	Shaft	3		
7	00A02105	←	Shaft	3		
8	00A02106	←	Shaft	1		
9	00A02113	←	Coupling	6		
10	00A02112	←	Coupling	4		
11	00A02215	←	Roll	1		
12	00A02101	←	Roll	3		
13	00A02102	←	Roll	5		
14	00A02223	←	Spur gear	1		
15	00A02210	←	Boss	1		
16	00A02209	←	Spur gear	1		
17	00A02008	←	Shaft	1		
18	00A02103	←	Housing	4		
19	00A02230	←	Shaft	1		
20	00A02005	←	Spur gear	1		
21	00A02004	←	Spur gear	1		
22	018050	←	Timing belt	1		
23	018051	←	Timing belt	1		
24	018055	←	Timing pulley	5		
25	018056	←	Timing pulley	4		
26	00A02150	←	Timing pulley	1		
27	018057	←	Timing pulley	1		
28	018058	←	Timing pulley	1		
29	014006	←	Motor	1	With motor controller	
30	006023	←	Rotary encoder	1		
31	018021	←	Clutch	1		
32	018015	←	Clutch&Brake	4		
33	018031	←	Clutch&Brake	1		
34	045072	←	Bearing	6		
35	880605	←	Screw	10	M6 × 5L	
36	610515	←	Screw	1	M5 × 15L	
37	880504	←	Screw	10	M5 × 4L	
38	880403	←	Screw	4	M4 × 3L	
39	016013	←	Gear head	1		
40	049044	←	Pin	1		

Option

Table 41

Input Conveyor Module-Conveyor Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	045019	←	Bearing	1		
42	045002	←	Bearing	8		
43	600432	←	C Ring	8	φ 32	
44	600315	←	C Ring	8	φ 15	
45	680505	←	Screw	6	M5 × 5L	
46	680505	←	Screw	2	M5 × 5L	
47	680505	←	Screw	2	M5 × 5L	
48	680505	←	Screw	8	M5 × 5L	
49	610415	←	Screw	4	M4 × 15L	
50	610415	←	Screw	16	M4 × 15L	
51	610415	←	Screw	6	M4 × 15L	
52	680505	←	Screw	12	M5 × 5L	
53	690518	←	Screw	2	M5 × 18L	
54	680505	←	Screw	2	M5 × 5L	
55	018059	←	Timing pully	1		
56	044734	←	Key	1	4 × 4 × 25L	
57	610580	←	Screw	4	M5 × 80L	
58	600910	←	Nut	1	M10 Class 3	
59	680505	←	Screw	2	M5 × 5L	
60	600105	←	Nut	4	M5	
61	610420	←	Screw	2	M4 × 20L	
62	680505	←	Screw	2	M5 × 5L	
63	610408	←	Screw	4	M4 × 8L	
64	610615	←	Bolt	1	M6 × 15L	
65	610408	←	Screw	2	M4 × 8L	
66	690610	←	Bolt	1	M6 × 10L	
67	650408	←	Screw	3	M4 × 8L	
68	045012	←	Bearing	10		
69	611050	←	Bolt	5	M10 × 50L	
70	600110	←	Nut	5	M10	
71	610410	←	Screw	12	M4 × 10L	
72	600104	←	Nut	12	M4	
73	600204	←	Washer	12	φ 4	
74	610408	←	Screw	4	M4 × 8L	
75	610408	←	Screw	4	M4 × 8L	
76	610408	←	Screw	16	M4 × 8L	

Option

Figure 42 Input Conveyor Module-Pinch Roll Drive System

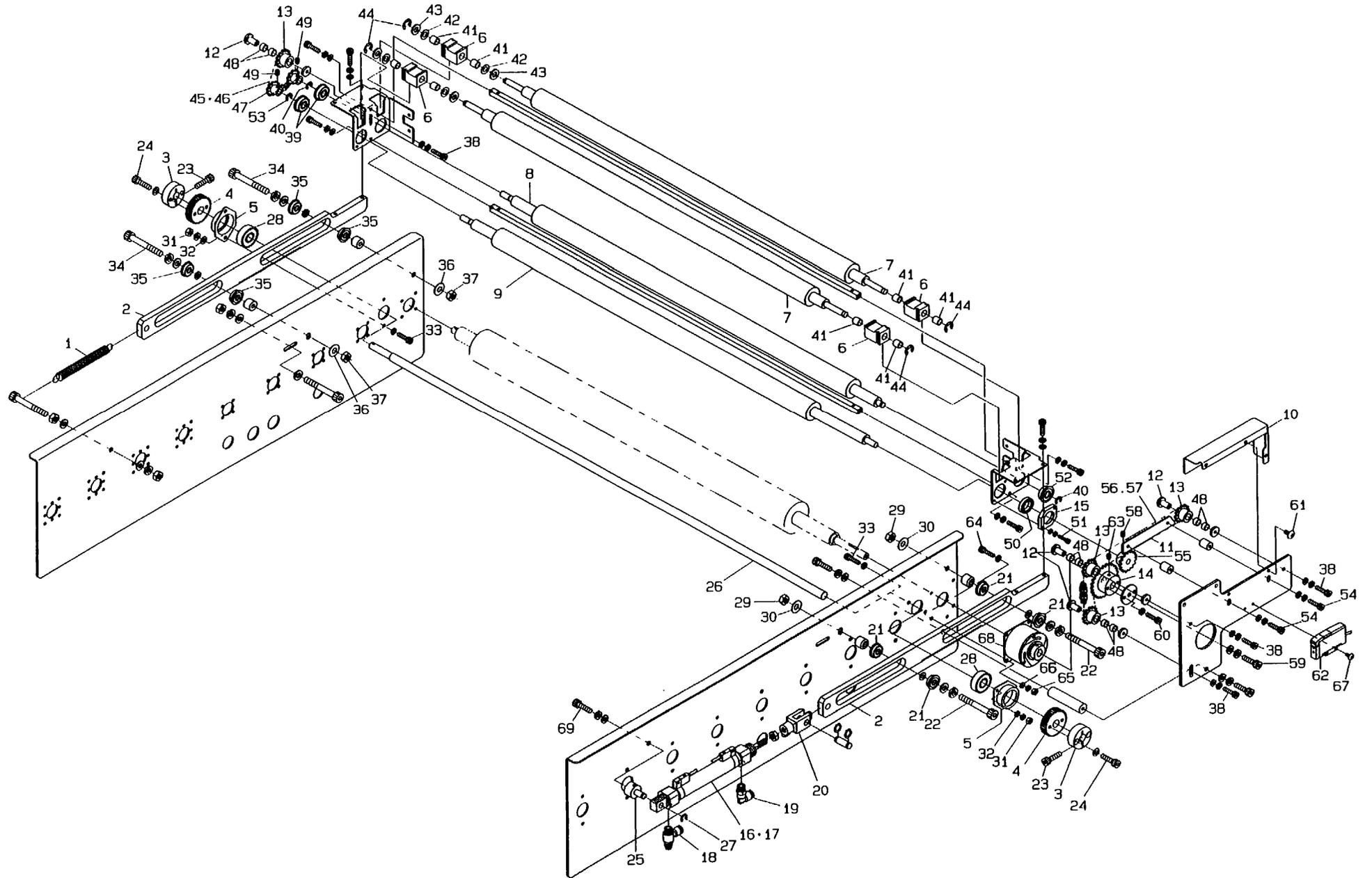


Table 42

Input Conveyor Module-Pinch Roll Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02232	←	Spring	1		
2	00A02229	←	Slide plate	2		
3	00A02210	←	Boss	2		
4	00A02209	←	Spur gear	2		
5	00A02007	←	Housing	2		
6	00A06030	←	Slide housing	4		
7	00A02216	←	Roll	2		
8	00A02218	←	Roll	1		
9	00A02217	←	Roll	1		
10	00L02703	00R02703	Cover	1		
11	00A02204	←	Chain guide	1		
12	00A02212	←	Pin	4		
13	00A02211	←	Sprocket	4		
14	00A02224	←	Sprocket	1		
15	00A02201	←	Housing	1		
16	021041	←	Air cylinder	1		
17	006044	←	Auto switch	2		
18	020027	←	Air frow controller	1		
19	025511	←	Coupring	1		
20	021042	←	Y knuckle	1		
21	045077	←	Bearing	4		
22	610640	←	Bolt	2	M6 × 40L	
23	610515	←	Screw	2	M5 × 15L	
24	690518	←	Screw	4	M5 × 18L	
25	00A02231	←	Pin	1		
26	00A02230	←	Shaft	1		
27	600506	←	E Ring	1	φ 6	
28	045019	←	Bearing	2		
29	600906	←	Locking nut	2	M6	
30	044742	←	Conical spring washer	2	φ 6	
31	600104	←	Nut	4	φ 4	
32	600204	←	Washer	4	M4	
33	610410	←	Screw	4	M4 × 10L	
34	610640	←	Bolt	2	M6 × 40L	
35	045077	←	Bearing	4		
36	044742	←	Conical spring washer	2	φ 6	
37	600906	←	Locking nut	2	M6	
38	610415	←	Screw	4	M4 × 15L	
39	045076	←	Bearing	2		
40	600506	←	E Ring	2	φ 6	

Table 42

Input Conveyor Module-Pinch Roll Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	044731	←	M liner bushing	8		
42	044732	←	Thurst washer	4		
43	600208	←	Washer	4	φ 8	
44	600506	←	E Ring	4	φ 6	
45	044744	←	Chain	1	25 Links	
46	044005	←	Joint link	1	For RS25 NP	
47	044746	←	Sprocket	2		
48	044053	←	M liner bushing	8		
49	680303	←	Screw	2	M3 × 3L	
50	045069	←	Bearing	1		
51	610310	←	Screw	2	M3 × 10L	
52	045076	←	Bearing	1		
53	600506	←	E Ring	1	φ 6	
54	610425	←	Screw	2	M4 × 25L	
55	044747	←	Sprocket	1		
56	044745	←	Chain	1	95 Links	
57	044005	←	Joint link	1	For RS25 NP	
58	680405	←	Screw	1	M4 × 5L	
59	610515	←	Screw	1	M5 × 15L	
60	610410	←	Screw	2	M4 × 10L	
61	640406	←	Screw	3	M4 × 6L	
62	006048	←	Photo sensor amplifier	1		
63	680405	←	Screw	1	M4 × 5L	
64	610410	←	Screw	4	M4 × 10L	
65	600104	←	Nut	4	M4	
66	600204	←	Washer	4	φ 4	
67	640304	←	Screw	2	M3 × 4L	
68	018022	←	Brake	1		
69	610510	←	Screw	1	M5 × 10L	

Figure 43 Input Conveyor Module-Centering Device

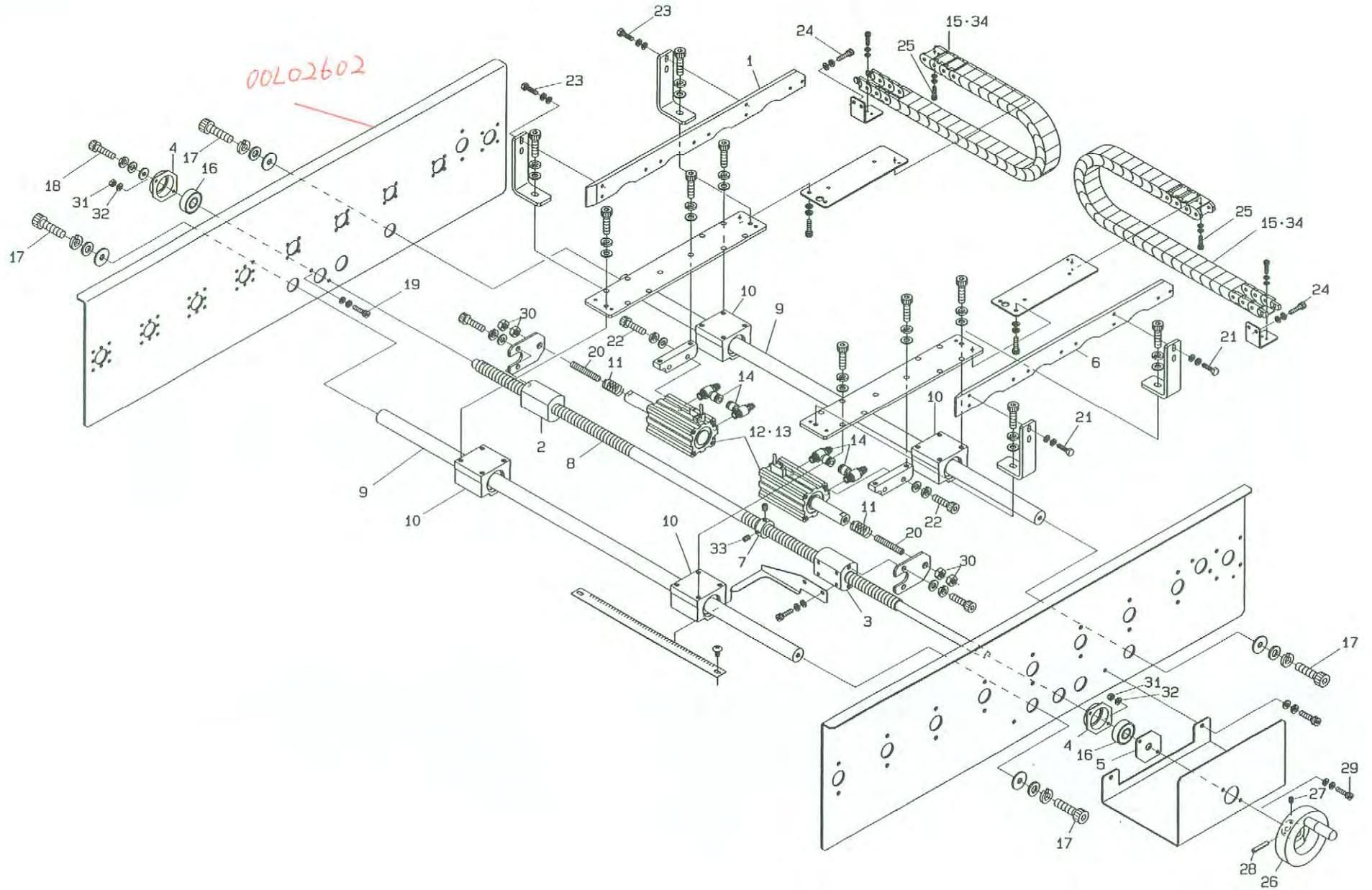


Table 43

Input Conveyor Module-Centering Device

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02123	00A02122	Centering guide	1		
2	00A02131	←	Nut	1	For right screw	
3	00A02132	←	Nut	1	For left screw	
4	00A02007	←	Housing	2		
5	00A02146	←	Resistor	1		
6	00A02122	00A02123	Centering guide	1		
7	00A02134	←	Stopper	1		
8	00A02130	←	Adjusting screw rod	1		
9	045073	←	Slide shaft	2		
10	045074	←	Slide unit	4		
11	044735	←	Compression spring	2		
12	021038	←	Air cylinder	2		
13	006045	←	Auto switch	2		
14	020508	←	Air flow controller	4		
15	014007	←	Flexible duct	2		
16	045019	←	Bearing	2		
17	610820	←	Bolt	4	M8 × 20L	
18	610612	←	Bolt	1	M6 × 12L	
19	610410	←	Screw	2	M4 × 10L	
20	680850	←	Bolt	2	M8 × 50L	
21	620410	←	Screw	4	M4 × 10L	
22	610625	←	Bolt	4	M6 × 25L	
23	620410	←	Screw	4	M4 × 10L	
24	610410	←	Screw	4	M4 × 10L	
25	610306	←	Screw	4	M3 × 6L	
26	00A02133	←	Handle	1		
27	680415	←	Screw	1	M4 × 5L	
28	600703	←	Spring pin	1	φ 3 × 20L	
29	610412	←	Screw	2	M4 × 12L	
30	600108	←	Nut	4	M8	
31	600104	←	Nut	4	M4	
32	600204	←	Washer	4	φ 4	
33	680504	←	Screw	2	M5 × 4L	
34	014008	←	End bracket	4		

Figure 44 Input Conveyor Module-Thin PWB Holding Guide

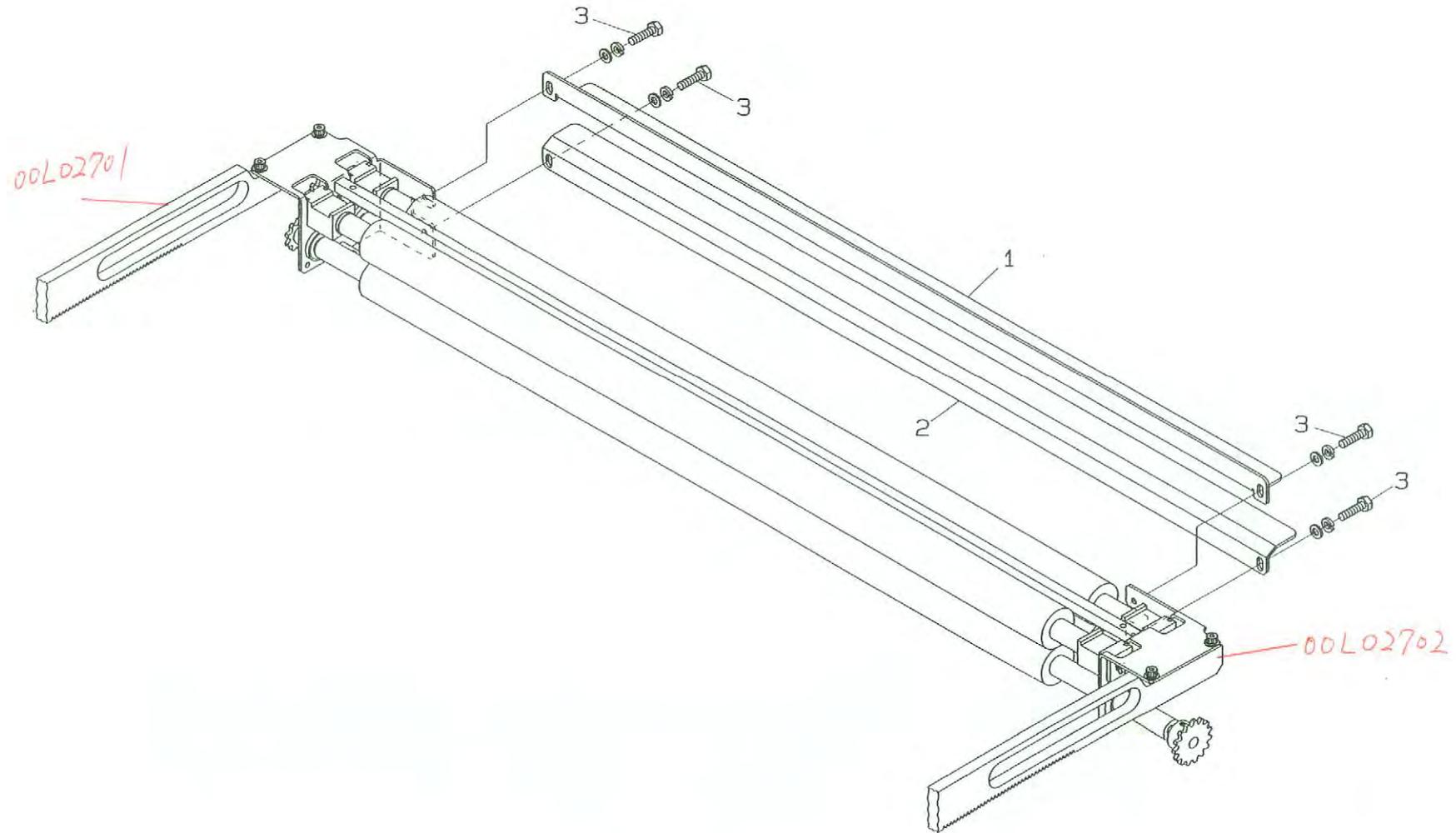


Table 44

Input Conveyor Module - Thin PWB Holding Guide

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02234	←	Holding guide	1		
2	00A02233	←	Holding guide	1		
3	620408	←	Screw	4	M4 x 8L	

Figure 50 Output Conveyor Module-Conveyor Drive System

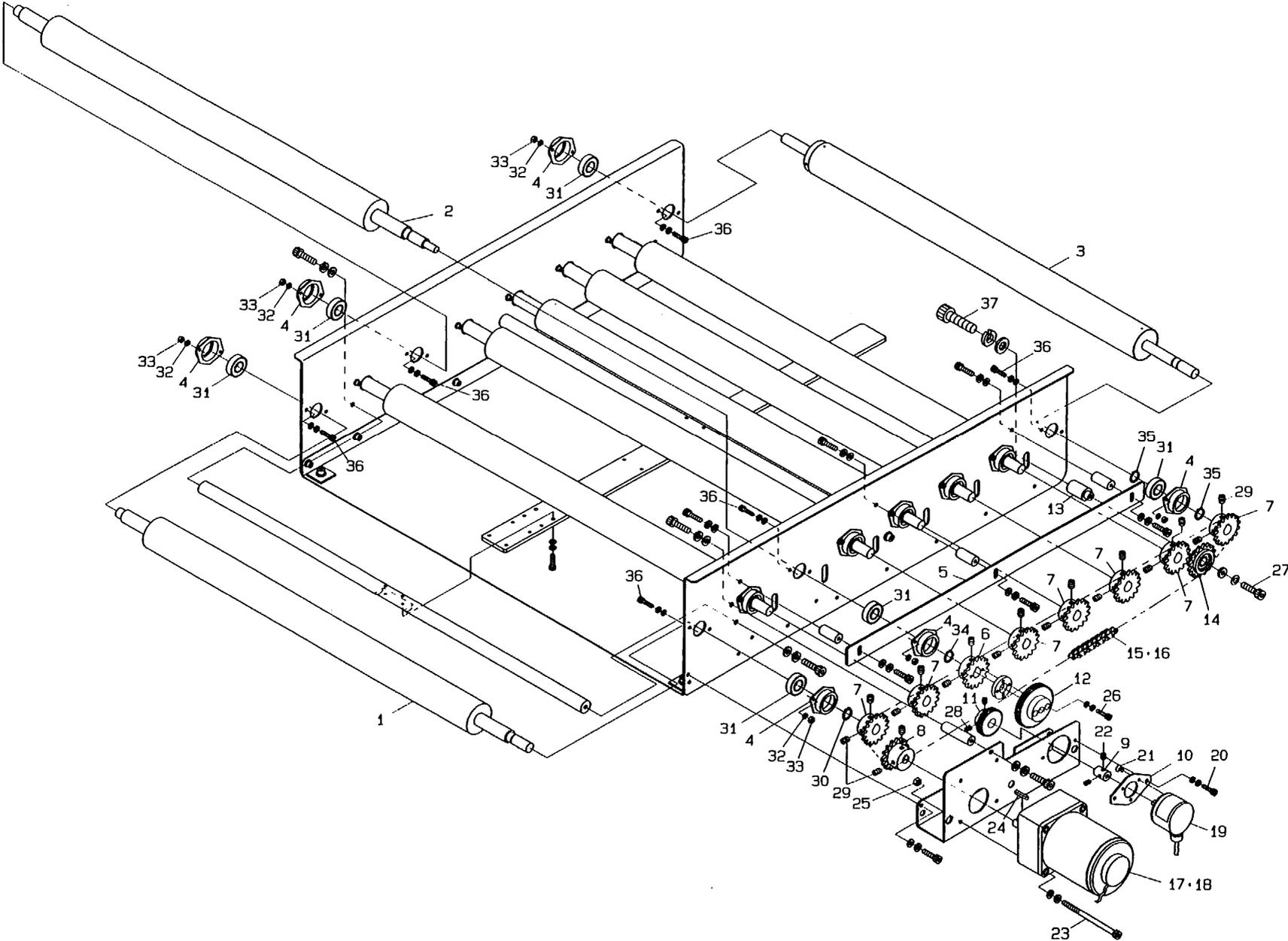


Table 50

Output Conveyor Module-Conveyor Drive System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02402	←	Roll	6		
2	00A02403	←	Roll	1		
3	00A02401	←	Roll	1		
4	00A02007	←	Housing	16		
5	00A02411	←	Chain guide	1		
6	00A02409	←	Sprocket	1		
7	044753	←	Sprocket	7		
8	044754	←	Sprocket	1		
9	00A02008	←	Boss	1		
10	00A02010	←	Plate	1		
11	00A02004	←	Spur gear	1		
12	00A02005	←	Spur gear	1		
13	049053	←	Pin	1		
14	044757	←	Sprocket	1		
15	044749	←	Chain	1	169Links	
16	044014	←	Joint link	1	For RS35 NP	
17	014006	←	Motor	1		
18	016013	←	Gear head	1		
19	006023	←	Rotary encoder	1		
20	610408	←	Screw	2	M4 × 8L	
21	650408	←	Screw	3	M4 × 8L	
22	680505	←	Screw	2	M5 × 5L	
23	610580	←	Screw	4	M5 × 80L	
24	044734	←	Key	1	4 × 4 × 25L	
25	600105	←	Nut	4	M5	
26	610420	←	Screw	2	M4 × 20L	
27	690615	←	Bolt	1	M6 × 15L	
28	680505	←	Screw	2	M5 × 5L	
29	880606	←	Bolt	18	M6 × 6L	
30	600315	←	C Ring	6	φ 15	
31	045002	←	Bearing	16		
32	600204	←	Washer	32	φ 4	
33	600104	←	Nut	32	M4	
34	600315	←	C Ring	1	φ 15	
35	600315	←	C Ring	2	φ 15	
36	610410	←	Screw	32	M4 × 10L	
37	611020	←	Bolt	1	M10 × 20L	

Figure 60 Control Box Module

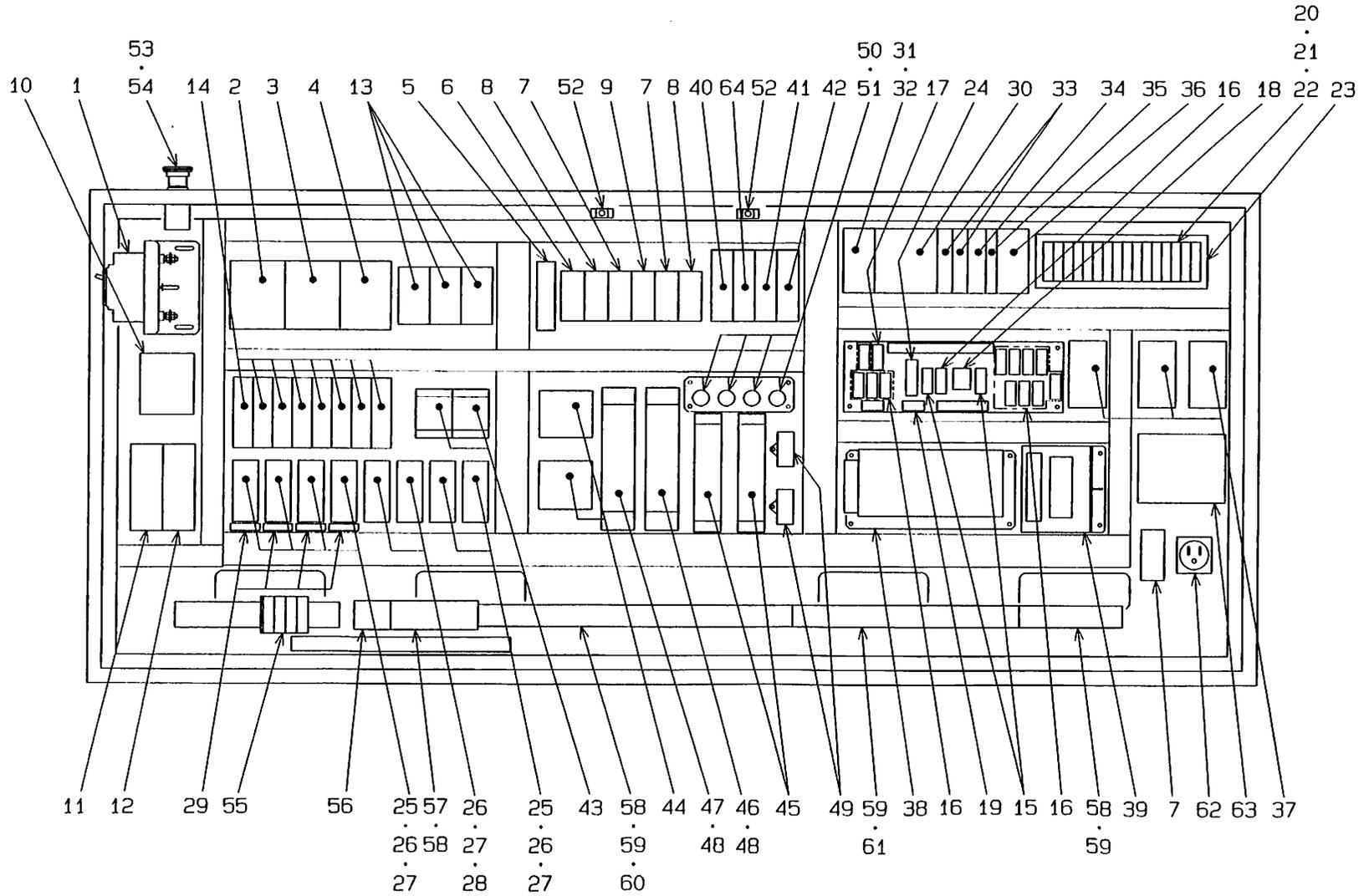


Table 60

Control Box Module

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	000449	←	Main breaker	1		
2	000450	←	Motor breaker	1		
3	000451	←	Motor breaker	1		
4	000452	←	No fuse breaker	1		
5	000453	←	Circuit protector	1		
6	000143	←	No fuse breaker	1		
7	000545	←	No fuse breaker	3		
8	000004	←	No fuse breaker	2		
9	000546	←	No fuse breaker	1		
10	001521	←	Magnet relay	1		
11	001025	←	Magnet relay	1		
12	001025	←	Magnet relay	1		
13	001025	←	Magnet relay	3		
14	001023	←	Solid state relay	8		
15	001042	←	Relay	2		
16	001043	←	Relay	13		
17	001541	←	Relay	1		
18	001017	←	Relay	1		
19	000770	←	Relay panel	1		
20	001043	←	Relay	7		
21	001040	←	Solid state relay	4		
22	001041	←	Solid state relay	5		
23	001044	←	Relay socket	1		
24	000447	←	Fuse	1		
25	000438	←	Fuse	6		
26	000454	←	Fuse base	8		
27	000455	←	Fuse holder	8		
28	000446	←	Fuse	3		
29	000456	←	Current trans	4		
30	002045	←	PLC	1		
31	002046	←	RS communication unit	1		
32	002047	←	Cable	1		
33	002048	←	In-put unit	2		
34	002049	←	Out-put unit	1		
35	002043	←	Enlargement interface unit	1		
36	002042	←	Analog out-put unit	1		
37	000519	←	Noise filter	3		
38	000457	←	DC power supply	1		
39	000544	←	DC power supply	1		
40	007009	←	Temperature controller	1		

Table 60

Control Box Module

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
41	007010	←	Temperature controller	1		
42	007011	←	Alarm out-put unit	1		
43	014009	←	Pulse motor controller	2		
44	014003	←	Pulse motor driver	2		
45	014006	←	Motor controller	2	With motor	
46	014005	←	Motor controller	1	With motor	
47	014004	←	Motor controller	1	With motor	
48	014002	←	Cable	2		
49	014010	←	Capacitor	2	With motor	
50	009008	←	Potentiometer	4		
51	009009	←	Dial	4		
52	000099	←	Inter lock switch	2		
53	000433	←	Emergency stop switch	1		
54	000434	←	Emergency stop name plate	1		
55	000460	←	Terminal	4		
56	000405	←	Terminal	6		
57	000087	←	Terminal	17		
58	000085	←	Terminal	27		
59	000084	←	Terminal	111		
60	000189	←	Terminal	7		
61	000173	←	Terminal	8		
62	000458	←	Outlet plug	1		
63	000459	←	Frequency converter	1		
64	007012	←	Temperature controller	1		

Figure 61 Operation Panel Module-Operation Panel

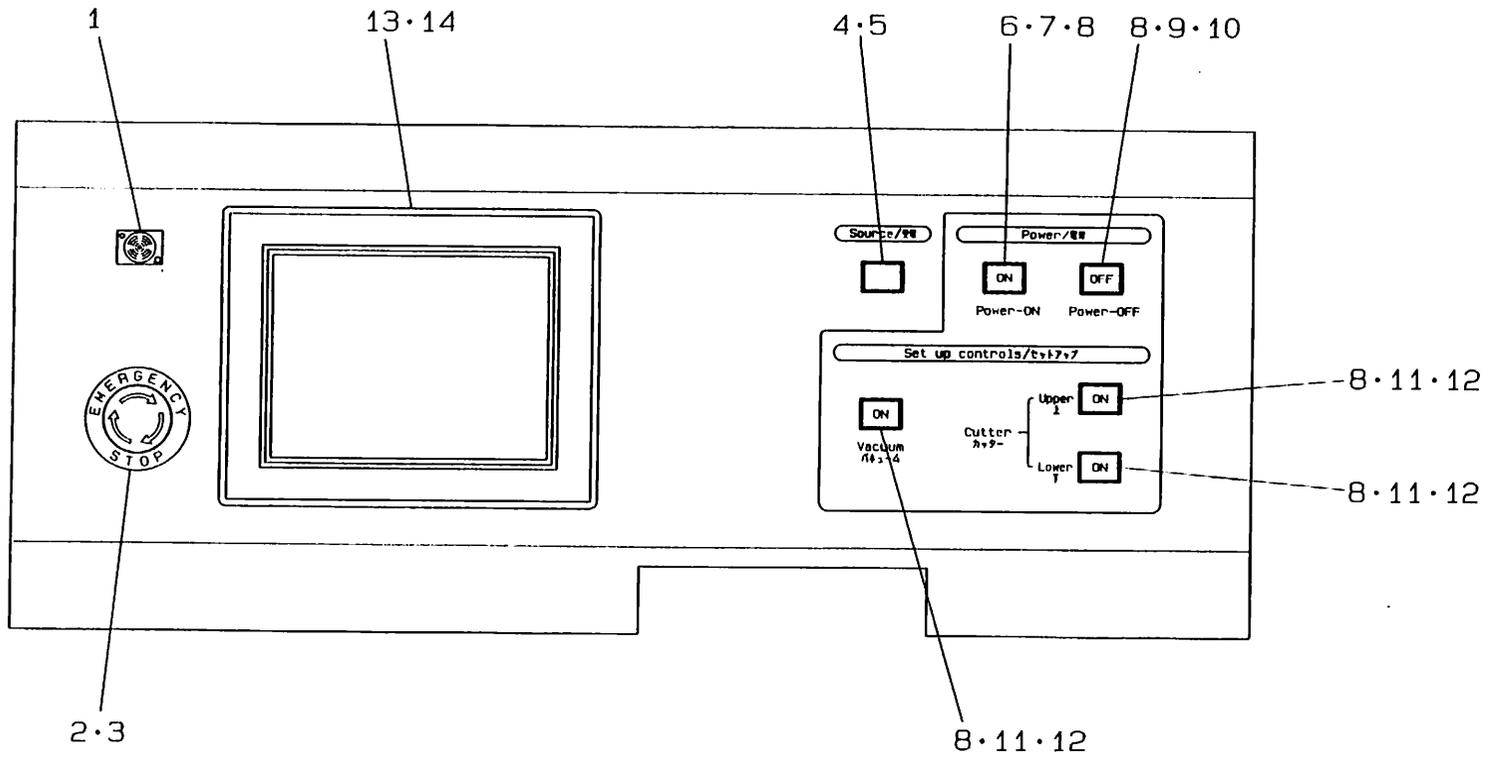


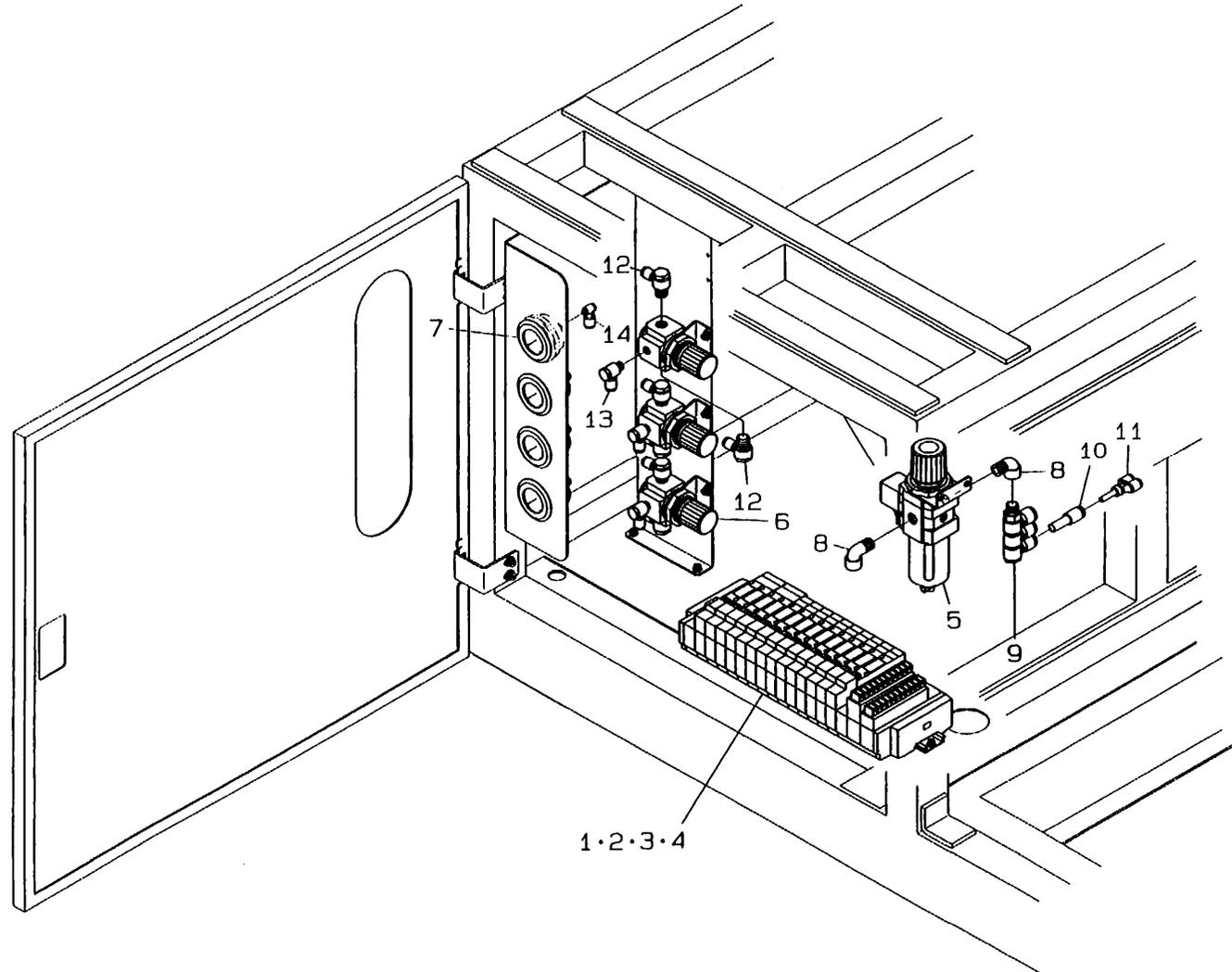
Table 61

Operation Panel Module-Operation Panel

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	000462	←	Buzzer	1		
2	000433	←	Emergency stop switch	2		
3	000434	←	Emergency stop name plate	2		
4	000466	←	Indicator	1		
5	000574	←	LED	1	White	
6	000463	←	Switch	1		
7	000571	←	LED	1	Green	
8	000578	←	Switch guard	5		
9	000464	←	Switch	1		
10	000574	←	LED	1	Red	
11	000465	←	Switch	3		
12	000572	←	LED	3	Yellow	
13	000448	←	Touch panel	1		
14	000461	←	Cable	1		

Figure 70 Air Blower Module-Pneumatic System



Note: Item No.15-18 are not placed in figure.

Table 70

Air Blower Module-Pneumatic System

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	022027	←	Manifold valve assembly	1		
2	022022	←	Solenoid valve	8		
3	022023	←	Solenoid valve	1		
4	022024	←	Solenoid valve	2		
5	022025	←	F.R. Unit	1		
6	022026	←	Regulator	3	With non-return valve	
7	033001	←	Pressure gauge	4		
8	025014	←	Coupling	2		
9	025043	←	Coupling	1		
10	025605	←	Coupling	1		
11	025044	←	Coupling	1		
12	025045	←	Coupling	6		
13	025046	←	Coupling	3		
14	025047	←	Coupling	4		
15	024505	←	Urethane tube		φ 12 20m	
16	024005	←	Urethane tube		φ 10 20m	
17	024006	←	Urethane tube		φ 6 20m	
18	024009	←	Urethane tube		φ 4 20m	

Figure 80 Outward-Cover

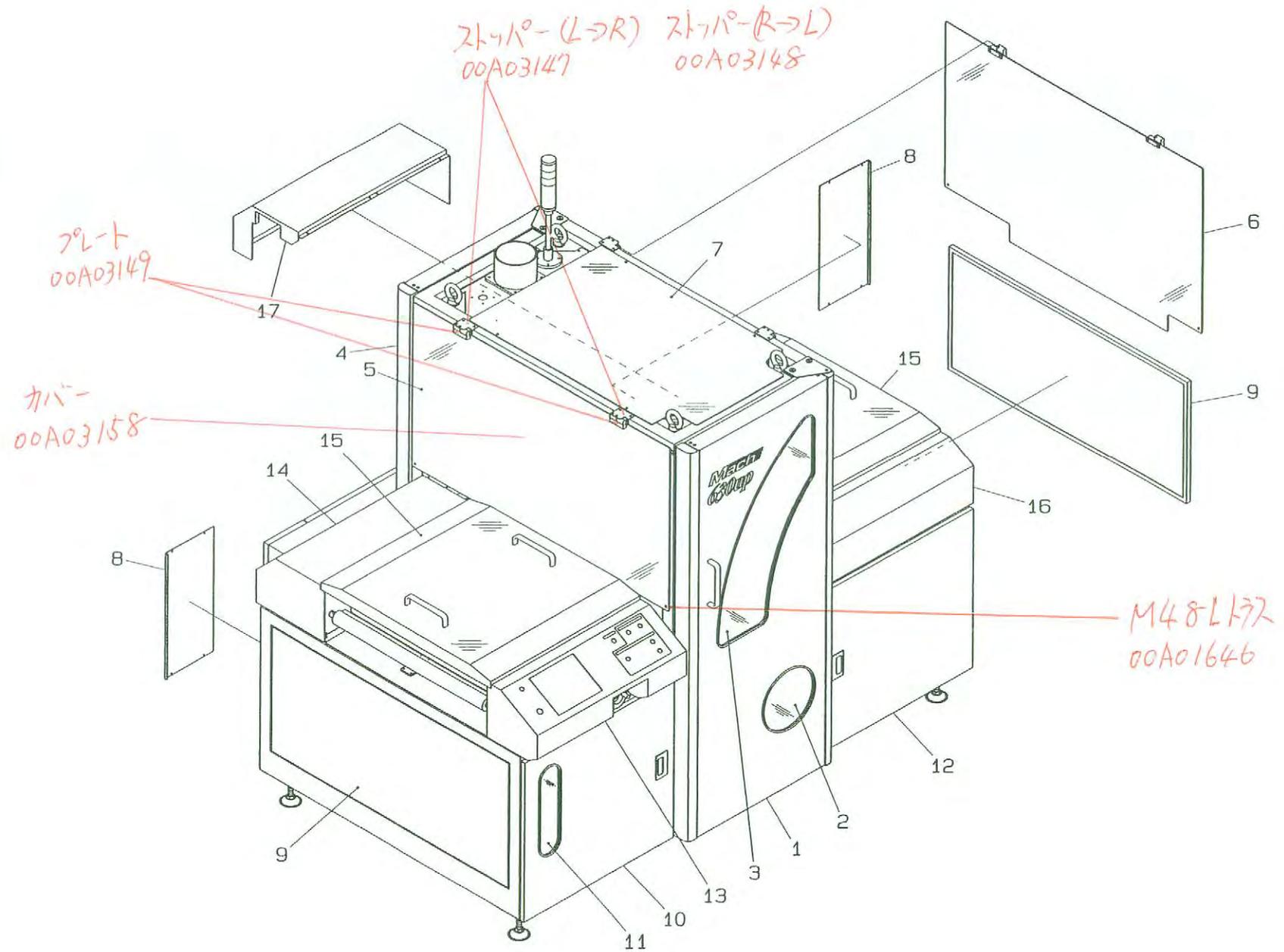


Table 80

Outward-Cover

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00P03161	00S03161	Laminate module front door assembly	1	With handle and window	
2	00A03113	←	Window	1		
3	00A03114	←	Window	1		
4	00P03112	00S03112	Laminate module rear door assembly	1	With handle	
5	00P03158	00S03158	Laminate module side cover assembly	1	With hinge	
6	00P03146	00S03146	Laminate module side cover assembly	1	With hinge	
7	00A03142	←	Laminate module top cover	1		
8	00A03134	←	Cover	2		
9	00A03133	←	Cover	2		
10	00P03167	00S03167	Input conveyor bottom door assembly	1	With handle,hinge and window	
11	00A03137	←	Window	1		
12	00P03163	00S03163	Output conveyor bottom door assembly	1	With handle and hinge	
13	00L03155	00R03155	Input conveyor front cover	1		
14	00A03101	00A03102	Input conveyor rear cover	1		
15	00P03111	00P03111	Conveyor top cover assembly	2	With handle	
16	00L03157	00R03157	Output conveyor front cover	1		
17	00A03102	00A03101	Output conveyor rear cover	1		

Figure 90 Laminate Module-Tacking Block Drive System, Operation Side Outside

Option

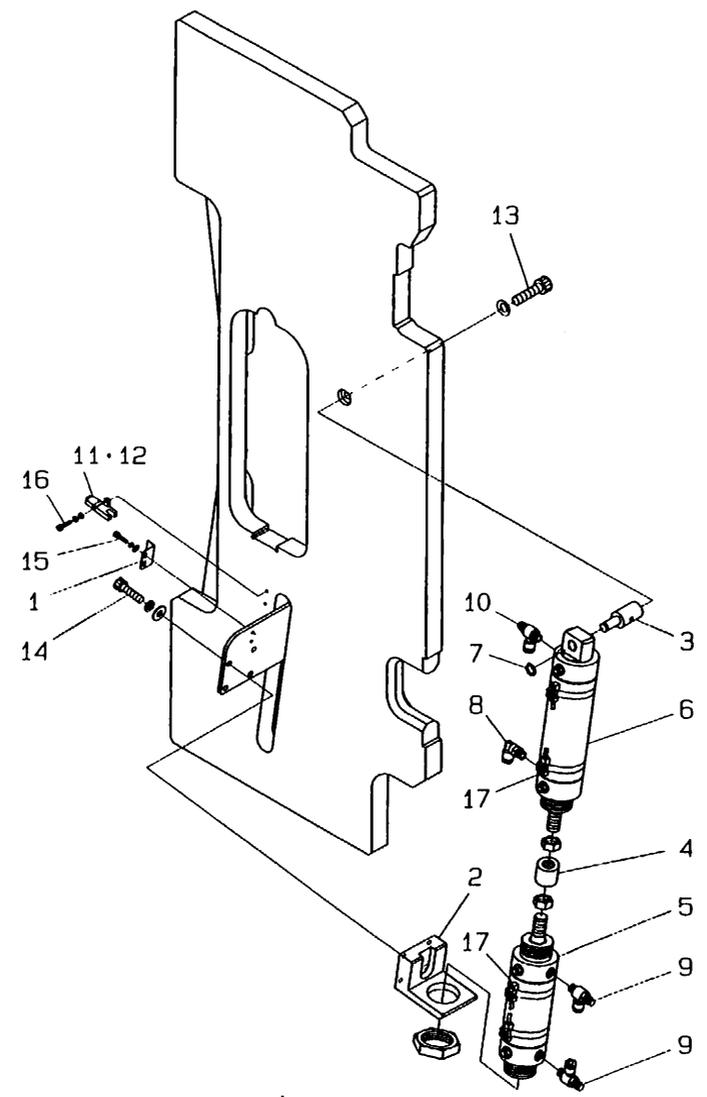


Table 90

Laminate Module-Tacking Block Drive System, Operation Side Outside

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A01355	←	Actuator	1		
2	00A01356	←	Cylinder bracket	1		
3	00A01358	←	Pin	1		
4	00A01357	←	Cylinder joint	1		
5	021036	←	Air cylinder	1		
6	021037	←	Air cylinder	1		
7	600310	←	C Ring	1	φ 10	
8	025509	←	Coupling	1		
9	020021	←	Air flow controller	2		
10	020024	←	Air flow controller	1		
11	006041	←	Photo sensor	1		
12	006047	←	Connecter	1		
13	690825	←	Bolt	1	M8 × 25L	
14	610615	←	Bolt	4	M6 × 15L	
15	610308	←	Screw	2	M3 × 8L	
16	610310	←	Screw	2	M3 × 10L	
17	006504	←	Auto switch	4		

Option

Figure 91 Laminate Module-Auxiliary Conveyor, Auxiliary Plate

Option

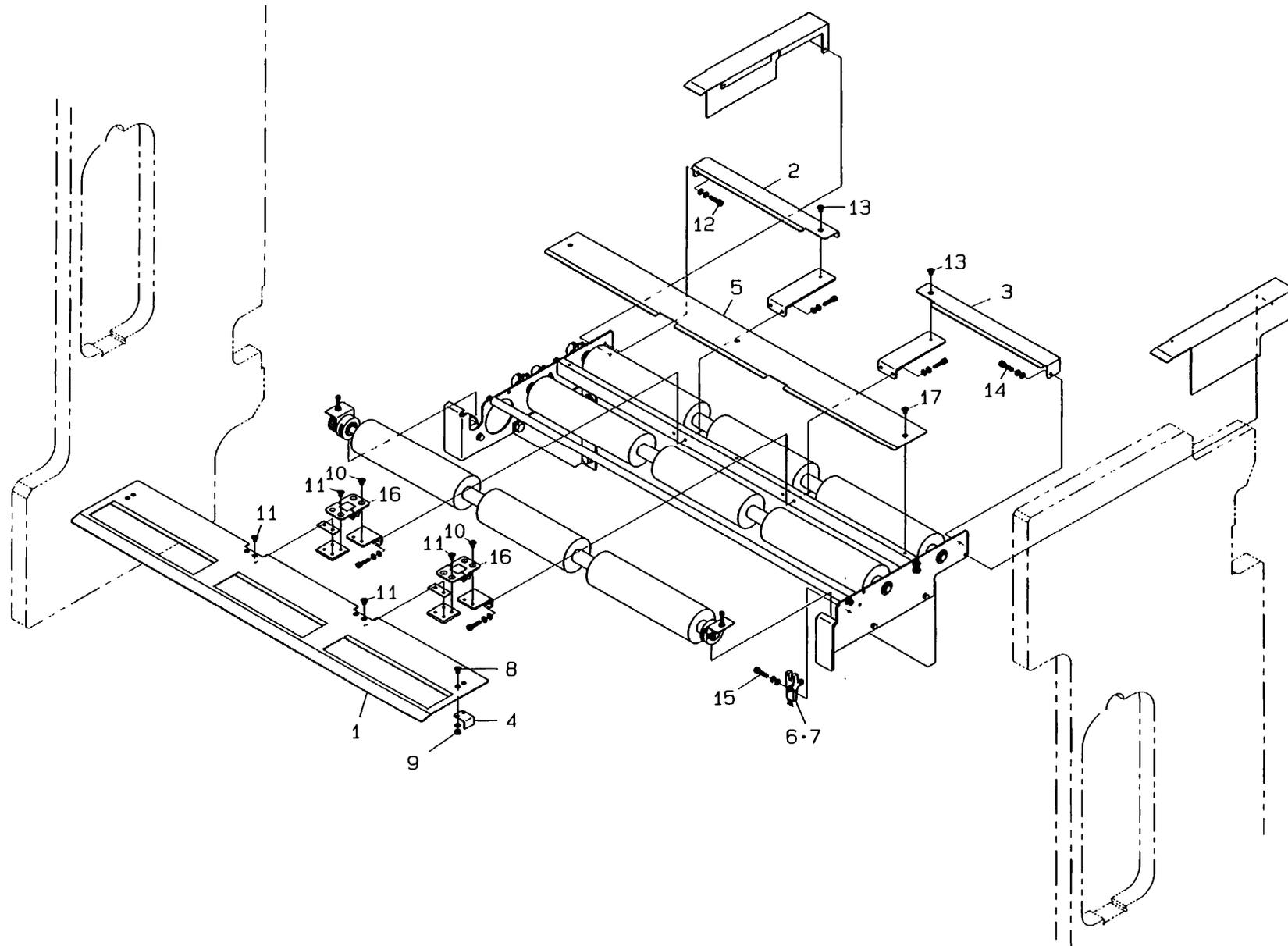


Table 91

Laminate Module-Auxiliary Conveyor, Auxiliary Plate

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02303	←	Auxiliary plate	1		
2	00A02325	00A02305	Auxiliary plate	1		
3	00A02305	00A02325	Auxiliary plate	1		
4	00A02324	←	Actuator	1		
5	00A02304	←	Auxiliary plate	1		
6	006041	←	Photo sensor	1		
7	006047	←	Connector	1		
8	650312	←	Screw	2	M3 × 12L	
9	600103	←	Nut	2	M3	
10	650308	←	Screw	4	M3 × 8L	
11	650306	←	Screw	8	M3 × 6L	
12	610308	←	Screw	1	M3 × 8L	
13	650308	←	Screw	2	M3 × 8L	
14	610308	←	Screw	1	M3 × 8L	
15	610310	←	Screw	2	M3 × 10L	
16	044717	←	Hinge	2		
17	650308	←	Screw	3	M3 × 8L	

Option

Figure 92 Input Conveyor Module-Centering Device, Auxiliary Plate

Option

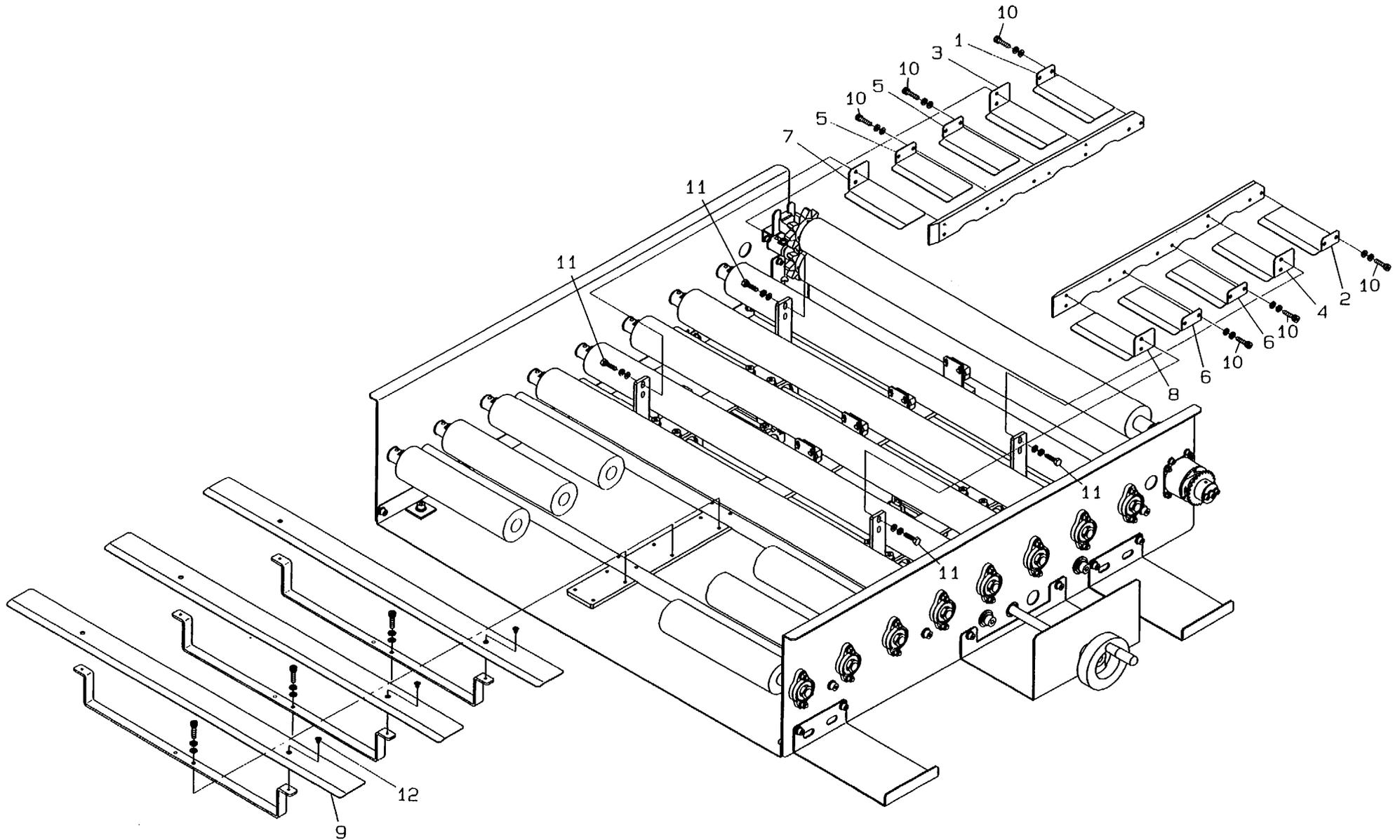


Table 92

Input Conveyor Module-Centering Device, Auxiliary Plate

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02504	00A02503	Auxiliary plate	1		
2	00A02503	00A02504	Auxiliary plate	1		
3	00A02508	00A02507	Auxiliary plate	1		
4	00A02507	00A02508	Auxiliary plate	1		
5	00A02506	00A02505	Auxiliary plate	2		
6	00A02505	00A02506	Auxiliary plate	2		
7	00A02508	00A02507	Auxiliary plate	1		
8	00A02507	00A02508	Auxiliary plate	1		
9	00A02502	←	Auxiliary plate	3		
10	610406	←	Screw	12	M4 × 6L	
11	620412	←	Screw	8	M4 × 12L	
12	650306	←	Screw	6	M3 × 6L	

Option

Figure 93 Input Conveyor Module-Super-thin PWB Holding Guide

Option

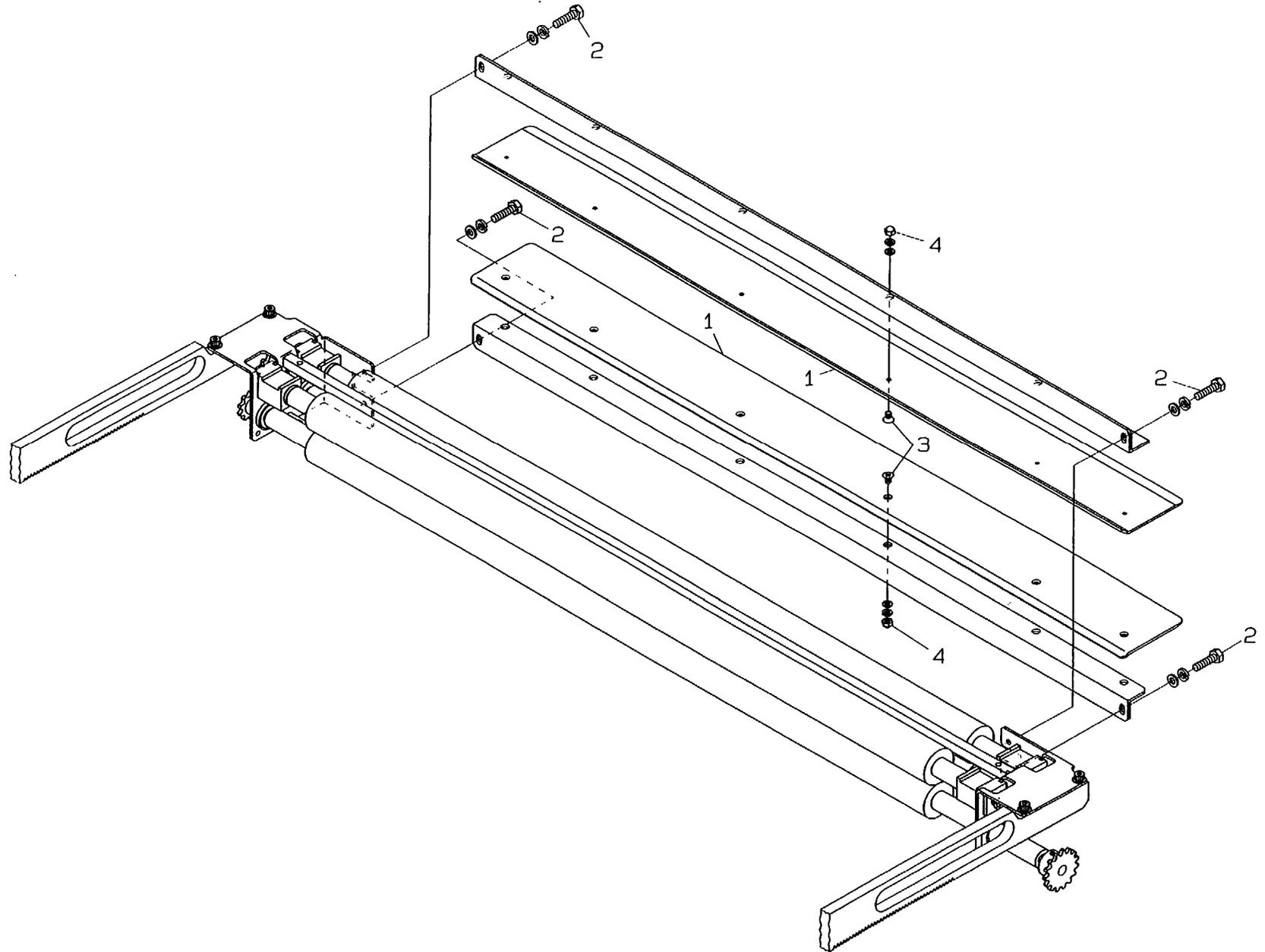


Table 93

Input Conveyor Module-Super-thin PWB Holding Guide

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02512	←	Holding guide	2		
2	620408	←	Screw	4	M4 × 8L	
3	650308	←	Screw	12	M3 × 8L	
4	600103	←	Nut	12	M3	

Option

Figure 94 Output Conveyor Module-Conveyor, Auxiliary Plate

Option

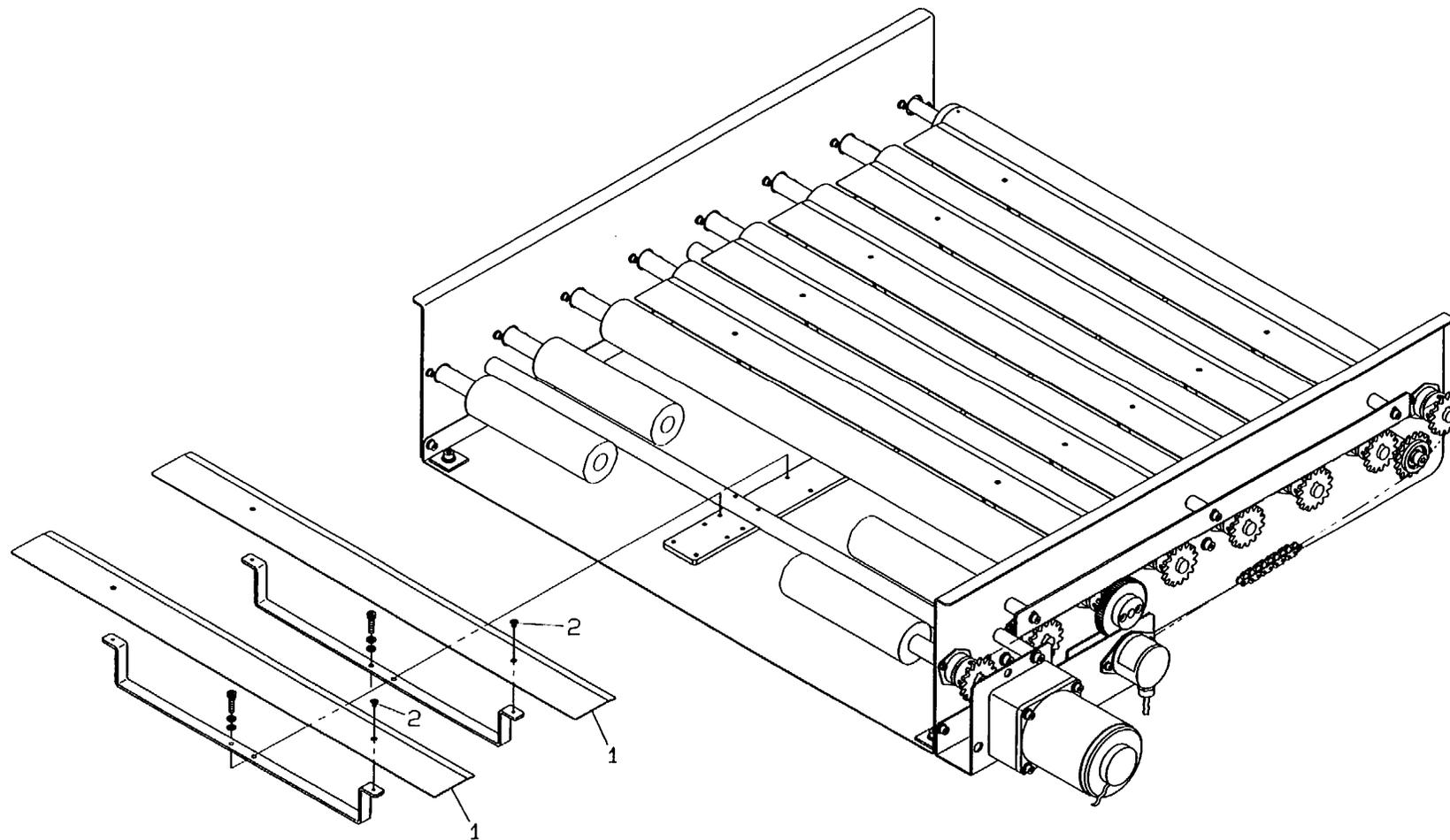


Table 94

Output Conveyor Module-Conveyor, Auxiliary Plate

Mach630up

Item	Part no. of L to R	Part no. of R to L	Product description	Qty	Parts information	Serial No.
1	00A02509	←	Auxiliary plate	7		
2	650306	←	Screw	14	M3 × 6L	

Option