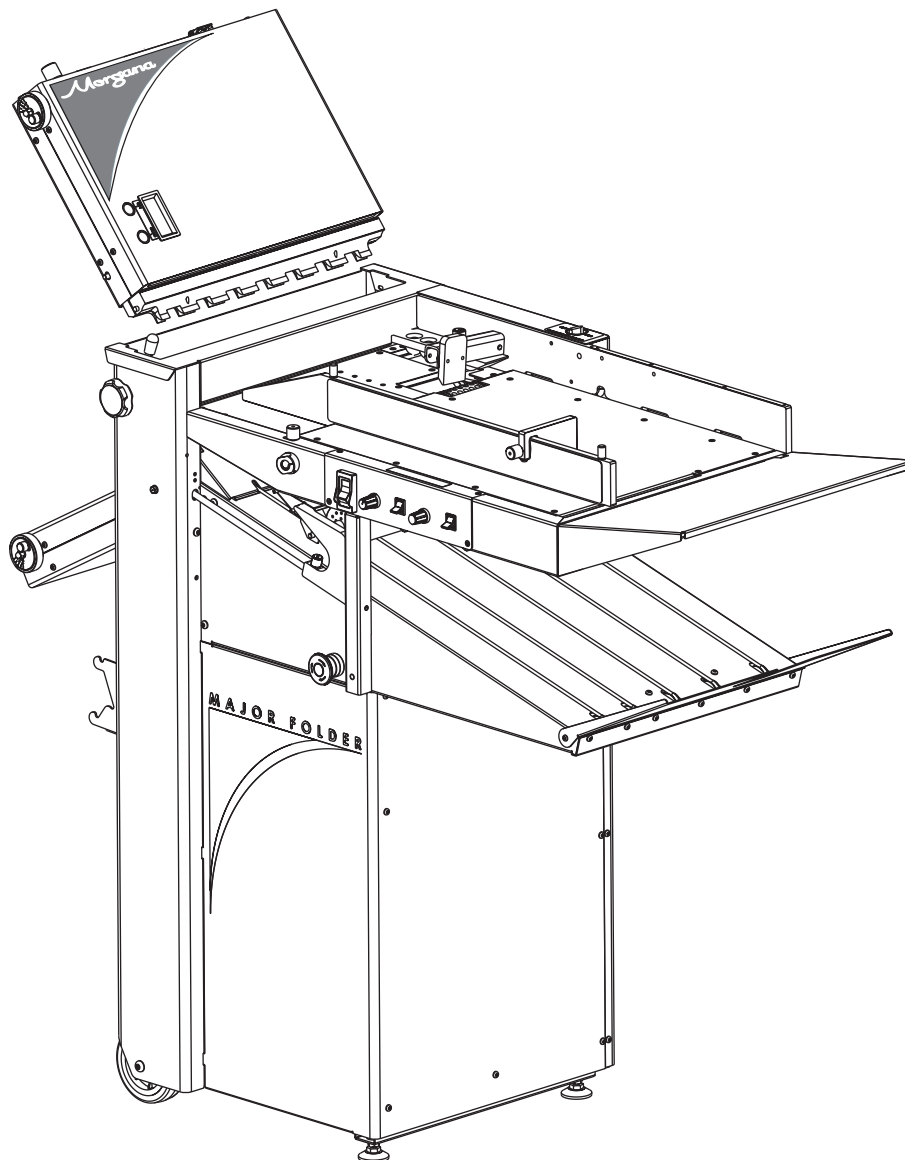


Morgana **Major**



PAPER FOLDING MACHINE ***ILLUSTRATED PARTS MANUAL***

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SERIAL No. 901641LEAF ONWARDS

90-102

Morgana **Major**

ILLUSTRATED PARTS MANUAL

The Illustrated Parts Manual has been designed to assist when selecting a part or assembly which may be required to service or repair your machine.

The index on page four lists all of the major assemblies in the order in which the machine is constructed.

The following page demonstrates how to recognize a part from a sub-assembly and shows the quantity contained within the major assembly.

The major assembly number and description is listed at the top of the page and should always be quoted when ordering parts or when seeking technical advice.

Before ordering parts confirm that the model number of the machine (listed at the top of page four) is identical to the number stamped on the specification plate fixed as shown in section five (starting page 18). Whilst checking this, make a note of the serial number also stamped on the plate.

Some components will not be made available individually as they form part of a sub-assembly which may require specialist tools and knowledge to dismantle. The machine may not perform correctly if attempts are made to repair sub-assemblies of this type.

Accessories (section eleven) are available to help make the best possible use from the machine, such as the wider creasing blade set for use with heavier stocks.

Section twelve lists the recommended spares and the relevant sub-assemblies that they belong to in the event of worn or damaged parts.

NOTE....

**ALWAYS READ THE OPERATORS MANUAL BEFORE MAKING ANY
ADJUSTMENTS TO YOUR MACHINE AND ALWAYS DISCONNECT THE POWER
SUPPLY BEFORE REMOVING ANY COVERS.**

USING THIS MANUAL.....

CIRCLED ITEM NUMBERS IN LISTS & ON ILLUSTRATIONS INDICATE SUB ASSEMBLIES.

ITEMS LISTED ARE AVAILABLE INDIVIDUALLY AS SPARE PARTS.

10			
11	92 - 039	1	SLIDE FRAME ASSEMBLY - Low
12	95-046	1	SWITCH ASSEMBLY - Set-up
13	95-047	1	SWITCH ASSEMBLY - Feed
14	95-049	1	SWITCH ASSEMBLY - Rotary Setting Dial
15	95-058	1	SWITCH ASSEMBLY - Push Button 1
16	95-059	1	SWITCH ASSEMBLY - Push Button 2
17	95-060	1	SWITCH ASSEMBLY - Push Button 3
18	95-064	1	SWITCH ASSEMBLY - Push Button 4
19			
30			

QUANTITY PER ASSEMBLY

NOTE....

Some sections have footnotes to explain various aspects of the parts lists and accompanying illustrations. They may also include warnings about the fitting of parts, their removal, or the need to use special tools.

TIP....

Some sections have tips to assist you in choosing spare parts for your machine or advice about keeping certain parts readily available to minimise downtime.

WARNING.....

SOME SECTIONS HAVE WARNING NOTICES TO ADVISE YOU ABOUT ACTIONS WHICH MAY IMPAIR YOUR MACHINES PERFORMANCE OR CAUSE UNNECESSARY DAMAGE.

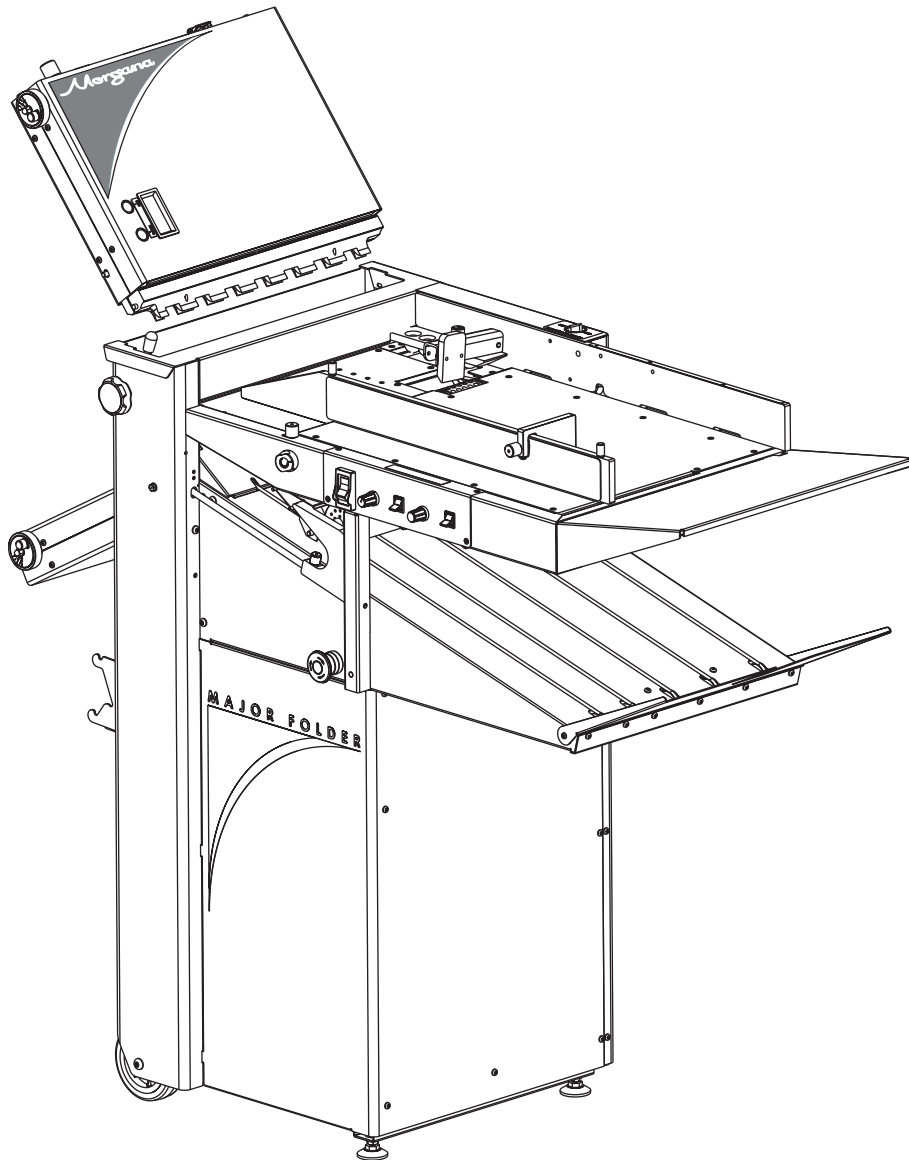
SECTION	ASSEMBLY	DESCRIPTION	PAGE
1	9-01-04	MAIN ASSEMBLY	6
2	9-02-04	DELIVERY ASSEMBLY	10
3	9-03-03	FEED BED ASSEMBLY	12
4	9-04-04	PAPER CONTROL ASSEMBLY	16
5	9-05-08 9-05-09	SERVICES - 50 Hz - (EEC) SERVICES - 60 Hz - (USA)	18
6	9-06-05	FOLD ROLLER ASSEMBLY	22
7	9-07-09	FOLD PLATE ASSEMBLY - Deflect	24
7	9-07-10	FOLD PLATE ASSEMBLY - Stop	28
8	9-08-06	STACKER ASSEMBLY	32
8	9-08-07 9-08-08	PERFORATOR ASSY. (Metric) PERFORATOR ASSY. (Imperial)	34
9	9-09-01	OPTIONAL REAR DELIVERY ASSY.	36

NOTE....

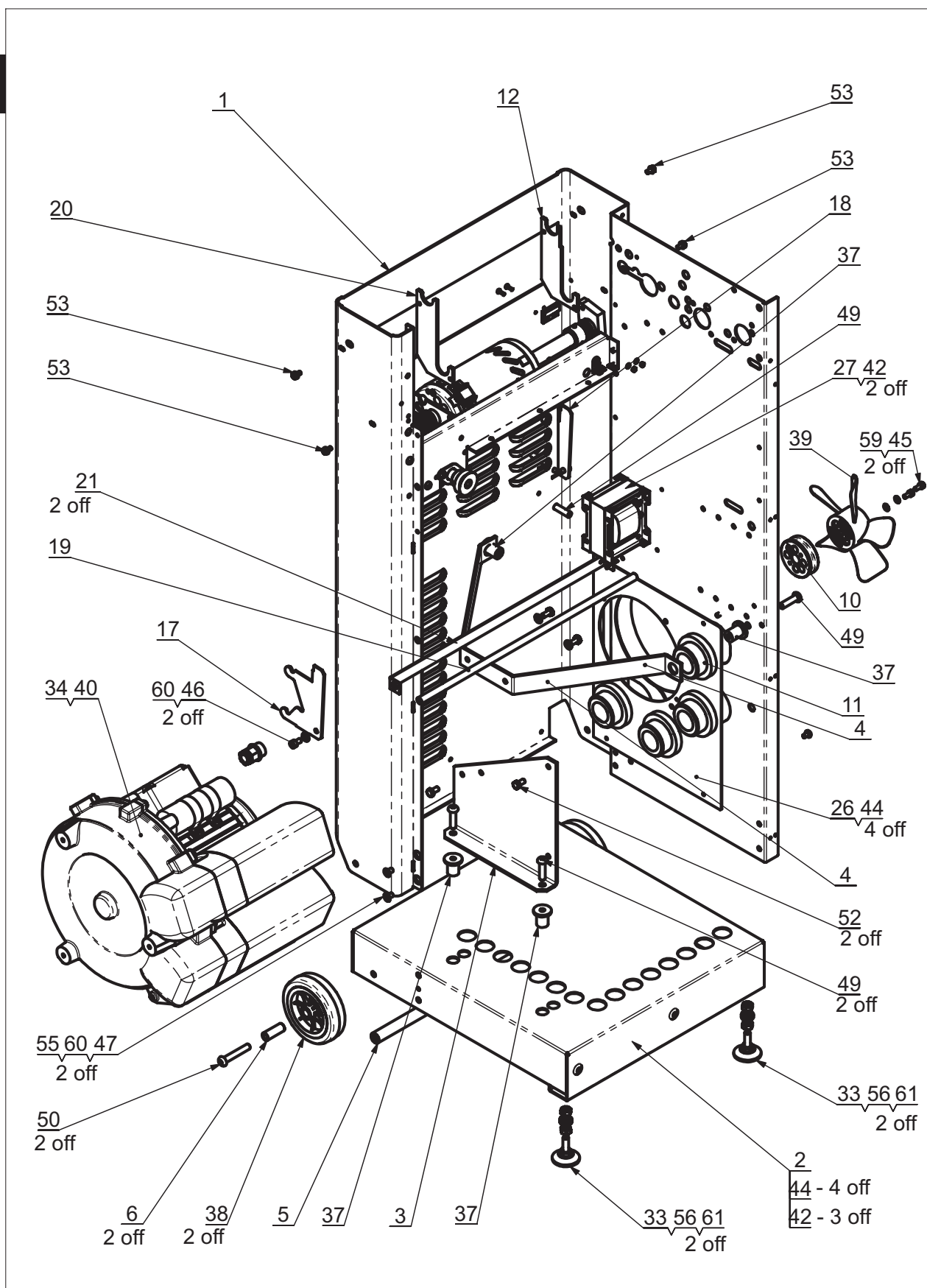
TIP....

To assist you in quickly finding the section you require, there are numbered tabs positioned down the outside edges of each page.

Morgana
Major



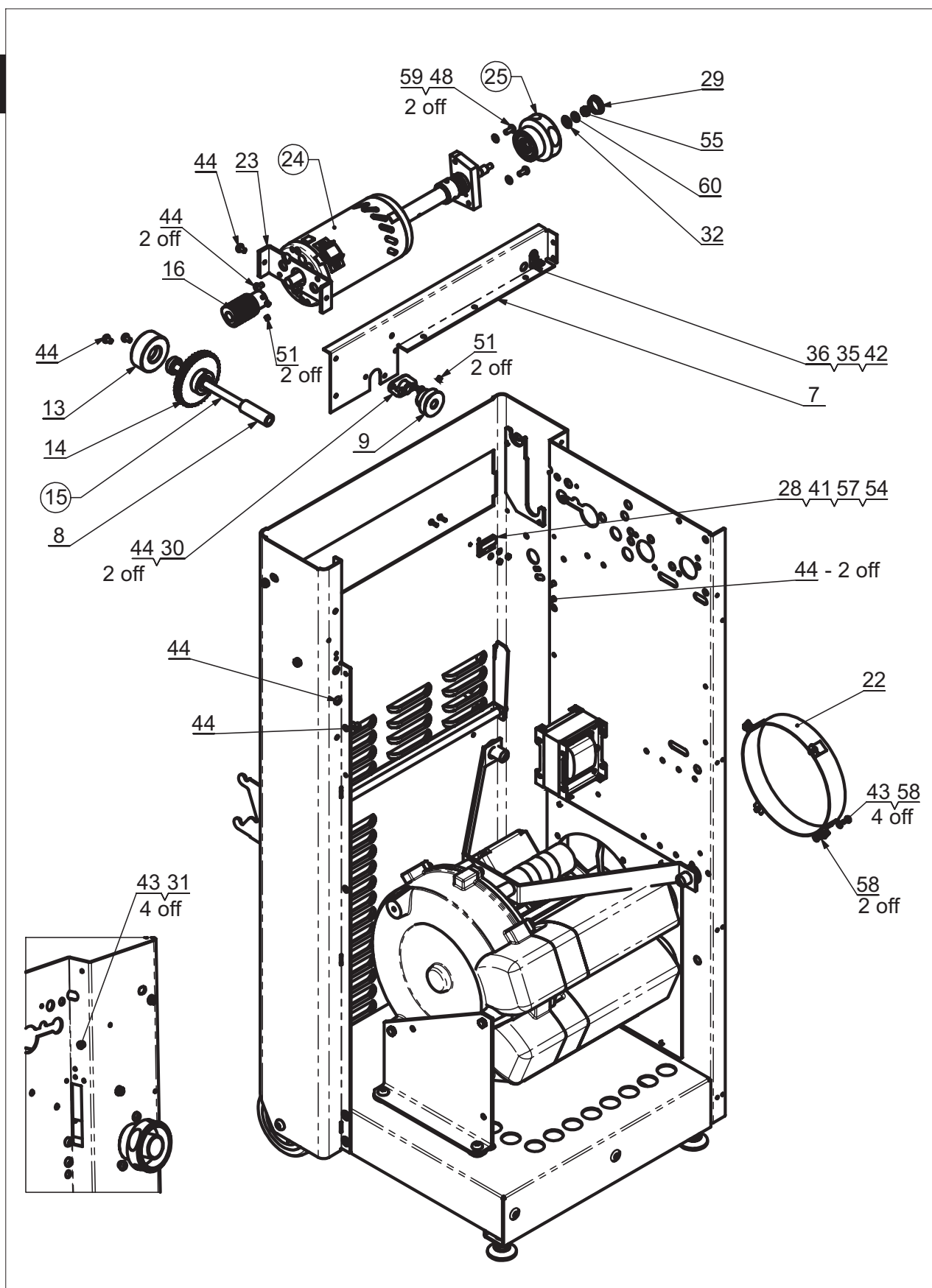
PAPER FOLDING MACHINE

1

ITEM NO.	PART No.	QTY.	Description
1	91-001-02	1	MAIN FRAME - Major.
2	91-002-02	1	PLINTH - Major.
3	91-003	1	COMPRESSOR SUPPORT.
4	91-004	1	COMPRESSOR STRAP.
5	91-005-02	1	Axle - Wheels
6	91-006	2	WHEEL TUBE - Junior.
10	91-024	1	CORD PULLEY - Compressor.
11	91-025	4	BUNG - Compressor.
12	91-033	1	LOCATION PLATE - Lay Side.
17	91-051	1	STOW HOOK - Op. Side.
18	91-052	1	STOW HOOK - Drive Side.
19	91-053-02	1	Shaft Stow Hook
20	91-054	1	LOCATION PLATE - Op. Side.
21	91-055-02	1	Bracket - Stowage Shaft
26	91-074-01	1	INTERFACE PLATE - SV130 Compressor.
27	95-112	1	Choke / Lead Assy.
33	606-028	2	BLACK PLASTIC FOOT - M8
34	613-022	1	CABLE GLAND.
37	615-031	4	FLEX LOC. BUSHES - M8
38	617-008	2	Wheel - Ø100
39	621-025	1	FAN - PLASTIC 5 BLADE 6" CCW
40	621-029	1	BLOWER - SV130.
41	401-02-030-010	2	Screw - Pan Pozi Taptite - M3 x 10 Lg.
42	401-02-040-006	3	Screw - Pan Pozi Taptite - M4 x 6 Lg.
43	401-02-040-008	11	Screw - Pan Pozi Taptite - M4 x 8 Lg.
44	401-02-050-008	22	Screw - Pan Pozi Taptite - M5 x 8 Lg.
45	403-01-050-010	2	Screw - Socket Cap Head - M5 x 10 Lg.
46	403-01-060-010	2	Screw - Socket Cap Head - M6 x 10 Lg.
47	404-01-060-010	2	Screw - Socket Countersunk - M6 x 10 Lg.
48	405-01-050-012	2	Screw - Button Hd. - M5 x 12 Lg.
49	405-01-080-030	4	Screw - Button Hd. - M8 x 30 Lg.
50	405-01-080-050	2	Screw - Button Hd. - M8 x 50 Lg.
51	409-01-050-005	4	Screw - Socket Set - Flat Point - M5 x 5 Lg.
52	415-01-060-012	4	Screw - Hexagon Head - M6 x 12 Lg.
53	415-02-050-008	4	Screw - Hexagon Head - Taptite - M5 x 8 Lg.
54	461-01-030	2	Nut - Full - M3
55	461-01-060	3	Nut - Full - M6
56	461-01-080	4	Nut - Full - M8
57	481-030	2	Washer - Plain - M3
59	481-050	8	Washer - Plain - M5
60	481-060	7	Washer - Plain - M6
61	481-080	4	Washer - Plain - M8

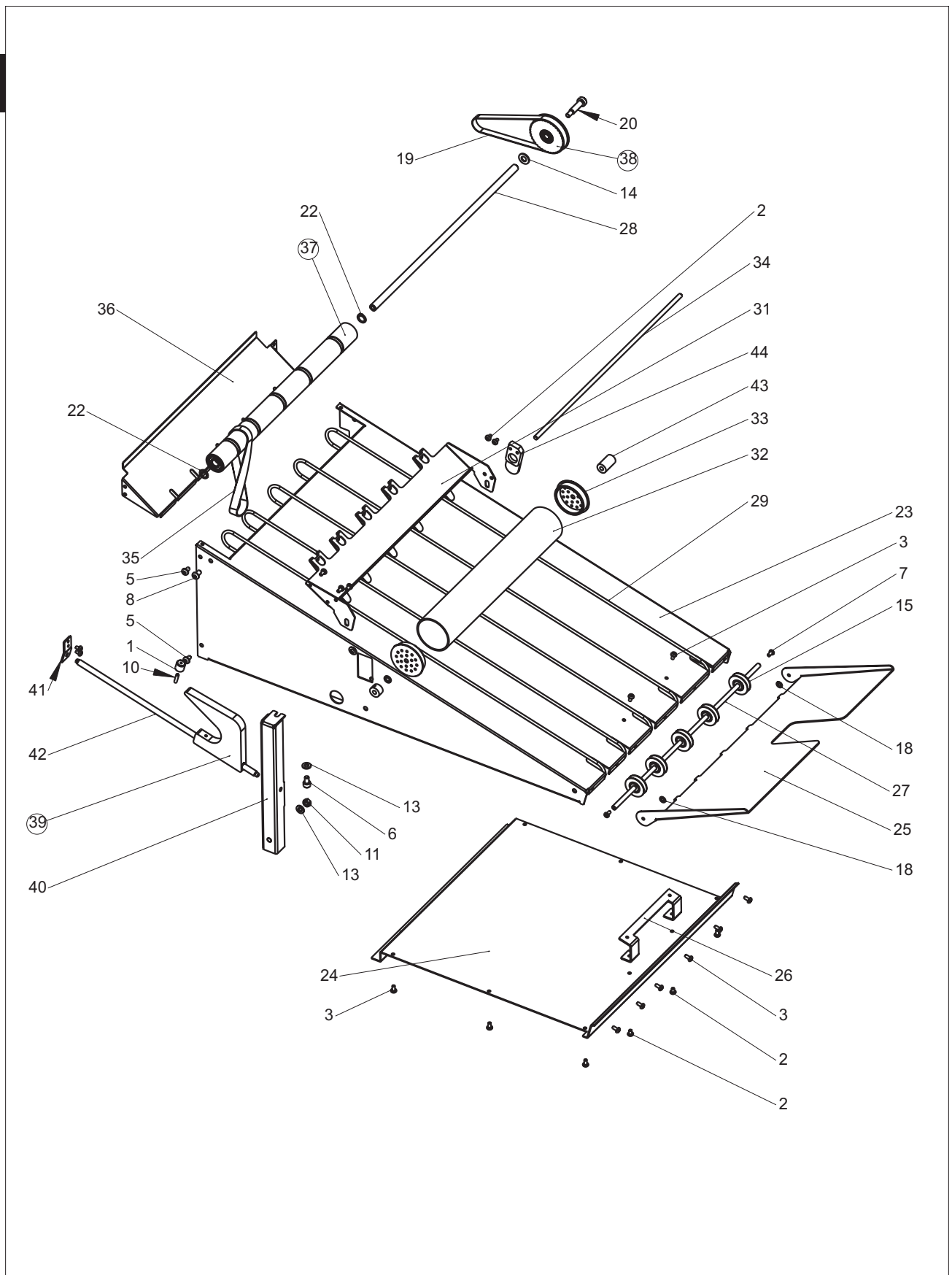
THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES

1



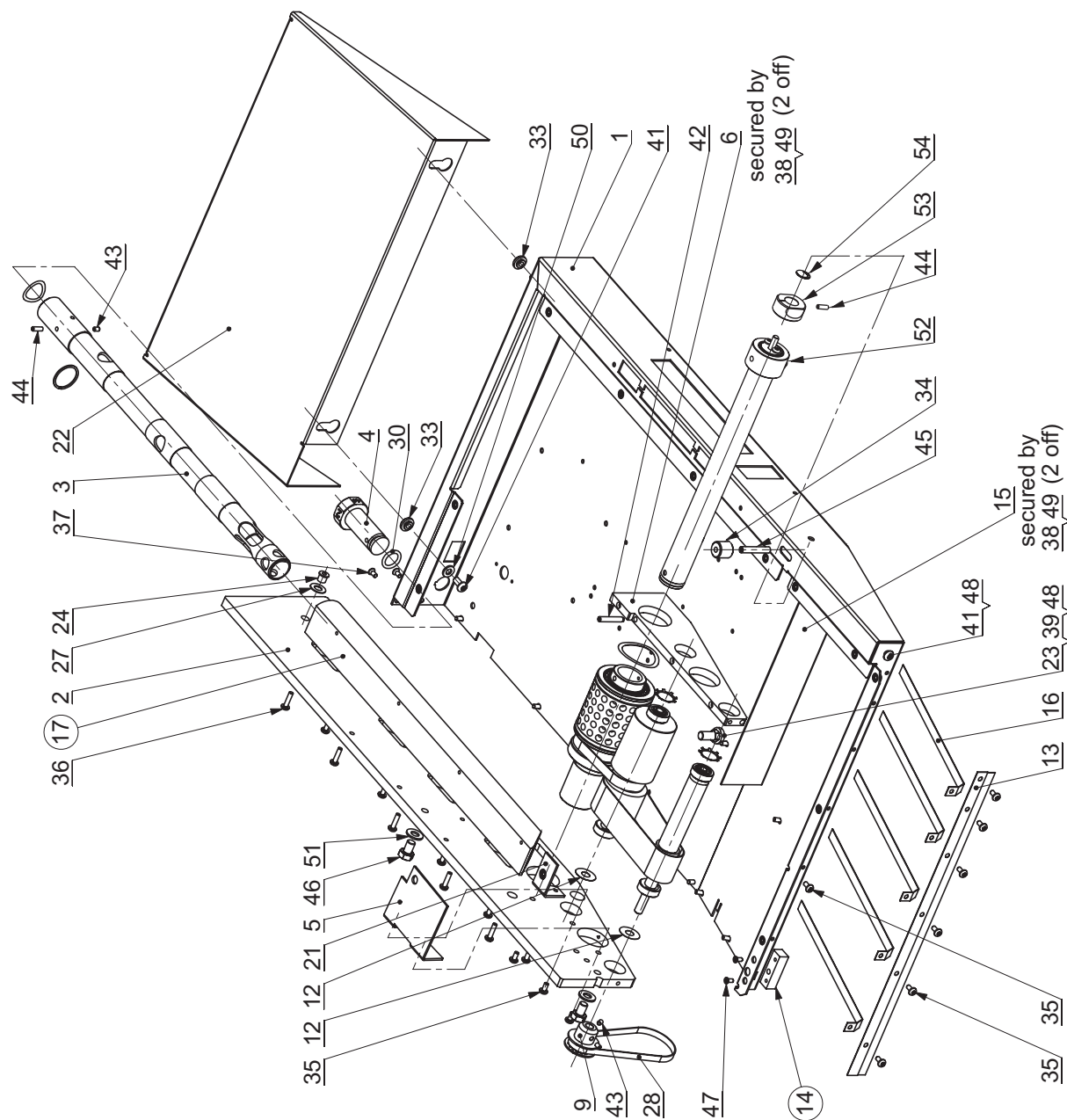
ITEM NO.	PART No.	QTY.	Description
7	91-007-03	1	CROSS STRAP - Major.
8	91-015	1	SPACER - Reduction Shaft.
9	91-027-01	1	BELT DRIVE PULLEY - DELIVERY
13	91-038	1	BEARING HSG - Rear Drive.
14	91-040	1	WORM WHEEL.
(15)	91-042	1	KEY DRIVE ASSY.
16	91-042-02	1	WORM - Extended Hub.
22	91-059	1	Fan Cowl
23	91-061-02	1	BRACKET - Motor Mtg.
(24)	91-068-02	1	MOTOR ASSY. - DC Drive
(25)	91-070	1	HANDWHEEL ASSEMBLY.
28	65-070	1	SWITCH - Proximity.
29	601-137	1	SHORTY PLUG.
30	602-045	1	FLANGED SPYRALIGN BUSH
31	603-041	4	SPIROL SPACER - Ø4 x Ø5.65 x 4 Lg.
32	605-004	1	Thrust Washer - Ø8 x Ø15.88 x 0.79
35	613-027	1	TIE WRAP - Small.
36	613-339	1	CABLE TIE MOUNTING
41	401-02-030-010	2	Screw - Pan Pozi Taptite - M3 x 10 Lg.
42	401-02-040-006	3	Screw - Pan Pozi Taptite - M4 x 6 Lg.
43	401-02-040-008	11	Screw - Pan Pozi Taptite - M4 x 8 Lg.
44	401-02-050-008	21	Screw - Pan Pozi Taptite - M5 x 8 Lg.
45	403-01-050-010	2	Screw - Socket Cap Head - M5 x 10 Lg.
46	403-01-060-010	2	Screw - Socket Cap Head - M6 x 10 Lg.
48	405-01-050-012	2	Screw - Button Hd. - M5 x 12 Lg.
51	409-01-050-005	4	Screw - Socket Set - Flat Point - M5 x 5 Lg.
52	415-01-060-012	4	Screw - Hexagon Head - M6 x 12 Lg.
54	461-01-030	2	Nut - Full - M3
55	461-01-060	3	Nut - Full - M6
57	481-030	2	Washer - Plain - M3
58	481-040	6	Washer - Plain - M4
59	481-050	8	Washer - Plain - M5
60	481-060	7	Washer - Plain - M6

2



ITEMNo.	PARTNo.	QTY.	DESCRIPTION
1	01-120	1	UNIVERSALKNOB-M4-Ø12.7-Black
2	401-02-040-006	6	Screw - Pan Pozi Taptite - M4 x 6Lg.
3	401-02-040-008	18	Screw - Pan Pozi Taptite - M4 x 8Lg.
4	401-02-040-010	1	Screw - Pan Pozi Taptite - M4 x 10Lg.
5	401-02-050-008	4	Screw - Pan Pozi Taptite - M5 x 8Lg.
6	403-01-060-010	1	Screw - Socket Cap Head - M6 x 10Lg.
7	405-01-040-008	2	Screw - ButtonHd. - M4 x 8Lg.
8	405-01-060-010	1	Screw - ButtonHd. - M6 x 10Lg.
9	409-01-040-004	1	Screw - Socket Set - Flat Point - M4 x 4Lg.
10	409-01-040-016	1	Screw - Socket Set - Flat Point - M4 x 16Lg.
11	461-01-060	1	Nut - Full - M6
12	481-040	1	Washer - Plain - M4
13	481-060	2	Washer - Plain - M6
14	481-080	1	Washer - Plain - M8
15	602-047	5	Idler Pulley
16	604-028	1	DISC SPRING
17	605-003	1	THRUST WASHER - Ø6.6 x Ø11.1 x 1.19
18	605-043	2	THRUST WASHER - Ø5.1 x Ø9.5 x 0.75
19	607-022	1	Twin Gip Timing Belt - 140 XLD/12
20	608-006	1	Shoulder Bolt - Ø8 (M6) x 25Lg.
21	615-004	1	Starlock Washer - M6 Capped
22	615-005	2	Circlip - External - No Groove M1440-0100
23	92-001-02	1	Delivery Frame
24	92-002-02	1	Delivery Cover
25	92-003-02	1	STACKER - Hinged.
26	92-004	1	SUPPORT STRAP.
27	92-005-02	1	Shaft - Delivery Idler
28	92-006-02	1	Support Shaft - Delivery
29	92-010	8	Transport Belt - Delivery
30	92-018	1	Control Collar - Stacker
31	92-020-03	1	Catching Frame - Delivery
32	92-021-02	1	Roller - Delivery
33	92-022	2	End Cap - Stacking Roller
34	92-023-03	1	Axle - Stacker Roller
35	92-027-01	1	Flat Drive Belt - Delivery
36	92-028-02	1	Cord Guard
37	92-029-02	1	Cord Roller Assy.
38	92-030	1	Delivery Idler Assy
39	92-039	1	Slide Frame Assy
40	92-040	1	Grab Handle - Auto
41	92-044	1	Support Bracket - Leadscrew
42	92-051	1	Slide Shaft - Long
43	92-055-01	1	Spacer - Delivery Roller
44	92-056-01	1	Frame support - Delivery

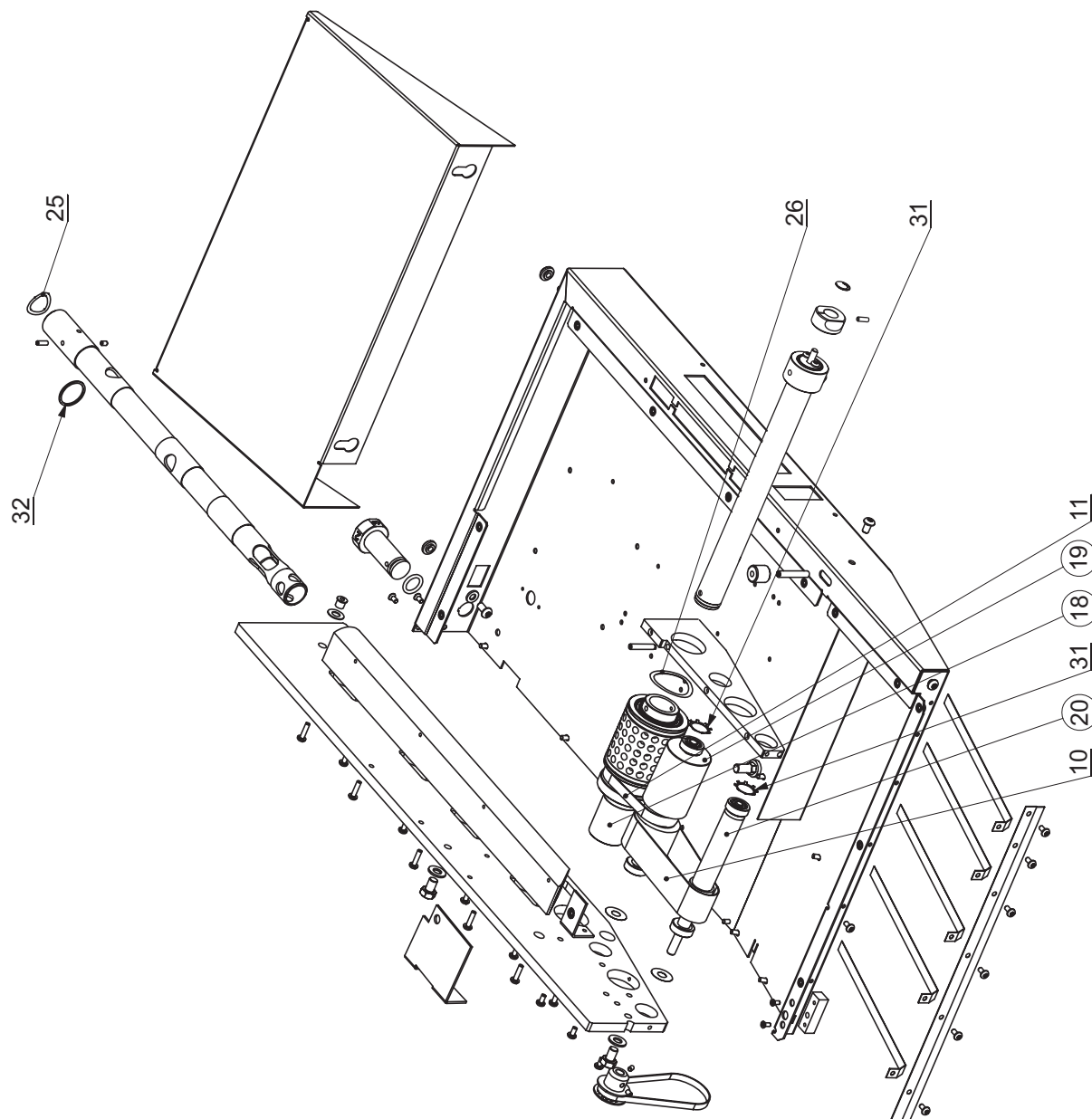
3



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	93-001-02	Frame - Feed System - Wide
2	1	93-002-02	Manifold Plate
3	1	93-004	Air Distribution Tube
4	1	93-005	Knob - Air Distribution
5	1	93-007	Belt Support
6	1	93-010	Support Plate
9	1	93-020	Feed Drive Pulley 16XL - Flanged
12	2	93-023	Shield - Self Aligning Ball Race
13	1	93-024-02	Anti-Static Brush Strip
14	1	93-025	Lower Sensor Assy
15	1	93-027-02	Baffle - Feed System
16	5	93-028	Smoother - Delivery
17	1	93-029	Manifold Tube Assy
21	1	93-033	Support Bracket - Control Bed
22	1	93-037-02	Extension - Loading Table
23	1	51-095	Clamp Washer
24	1	601-088	Spring Plunger - Press In
27	1	605-004	Thrust Washer - Ø8 x Ø15.88 x 0.79
28	1	607-027	Toothed Belt - 110XL
30	1	609-014	'O' Ring Ø15 x Ø3
33	2	73-004	Key Hole Latch
34	1	01-119	Small Knob Universal M6
35	17	401-02-040-008	Screw - Pan Pozi Taptite - M4 x 8 Lg.
36	9	401-02-040-016	Screw - Pan Pozi Taptite - M4 x 16 Lg.
37	2	402-02-040-008	Screw - Csk Hd. Taptite - M4 x 8 Lg.
38	4	403-01-040-008	Screw - Socket Cap Head - M4 x 8 Lg.
39	1	403-01-060-012	Screw - Socket Cap Head - M6 x 12 Lg.
41	3	405-01-060-012	Screw - Button Hd. - M6 x 12 Lg.
42	1	408-01-050-030	Screw Skt Cone Pt - M5 x 30 Lg.
43	3	409-01-040-006	Screw - Socket Set - Flat Point - M4 x 6 Lg.
44	2	409-01-040-012	Screw - Socket Set - Flat Point - M4 x 12 Lg.
45	1	409-01-060-035	Screw - Socket Set - Flat Point - M6 x 10 Lg.
46	3	414-01-080-012	Bolt - Hexagon Head - M6 x 12 Lg.
47	2	417-04-006-312	Screw - Trunc. Csk Hd. Taptite - #6-32 UNC x 0.312 Lg
48	2	461-01-060	Nut - Full - M6
49	4	481-040	Washer - Plain - M4
50	2	481-060	Washer - Plain - M6
51	3	481-080	Washer - Plain - M8
52	1	73-05-02	Choke Bleed Assembly - Major
53	1	73-066-01	Knob - Vacuum Bleed
54	1	94-021	UP' LABEL - PAPER GATE

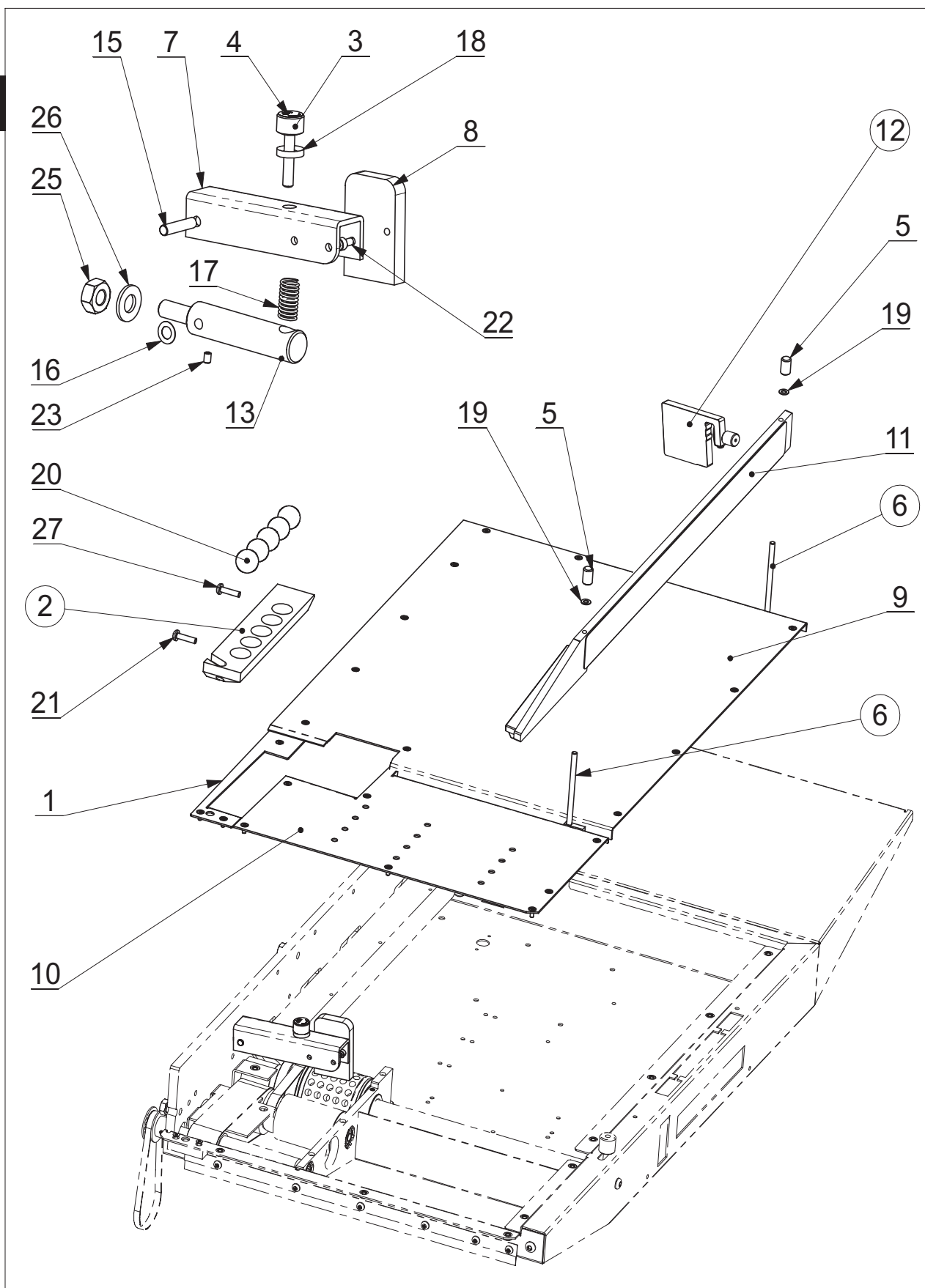
3

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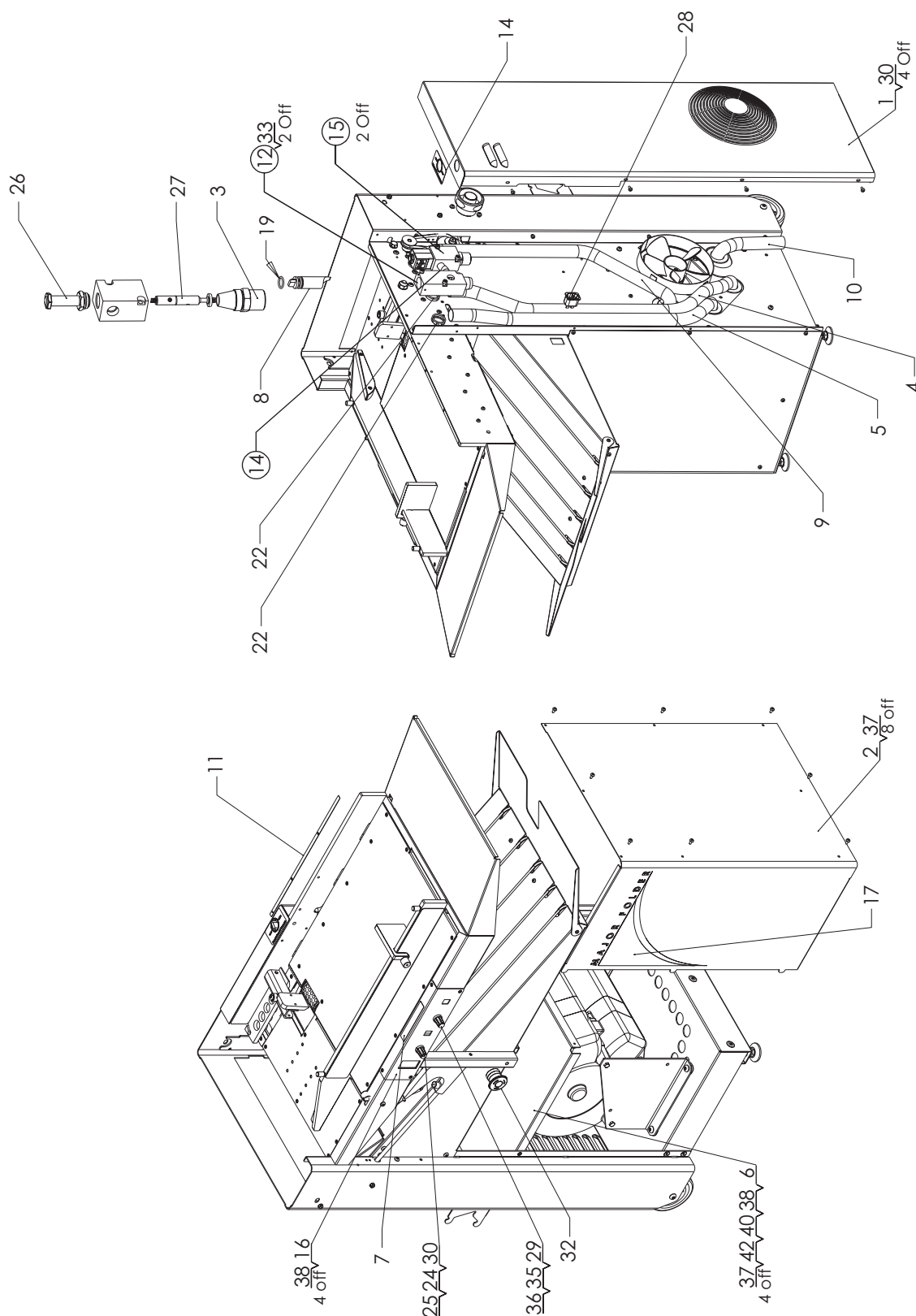
ITEM NO.	QTY.	PART NO.	DESCRIPTION
10	1	93-021	Feed Belt
11	1	93-022	Vacuum Roller Drive Belt
18	1	93-030-02	Vacuum Roller Assy - Slotted
19	1	93-031	Feed Drum Assy - Idler
20	1	93-032	Feed Drum Assy - Drive
25	1	604-060	Washer - Waved - Ø25.5 X Ø19 X 3
26	1	604-062	Washer - Waved - Ø35.5 X Ø43.5 x 0.4
31	2	615-035	Metric Push-in Fix
32	1	615-040	Retaining Ring - External - Ø25

3

4

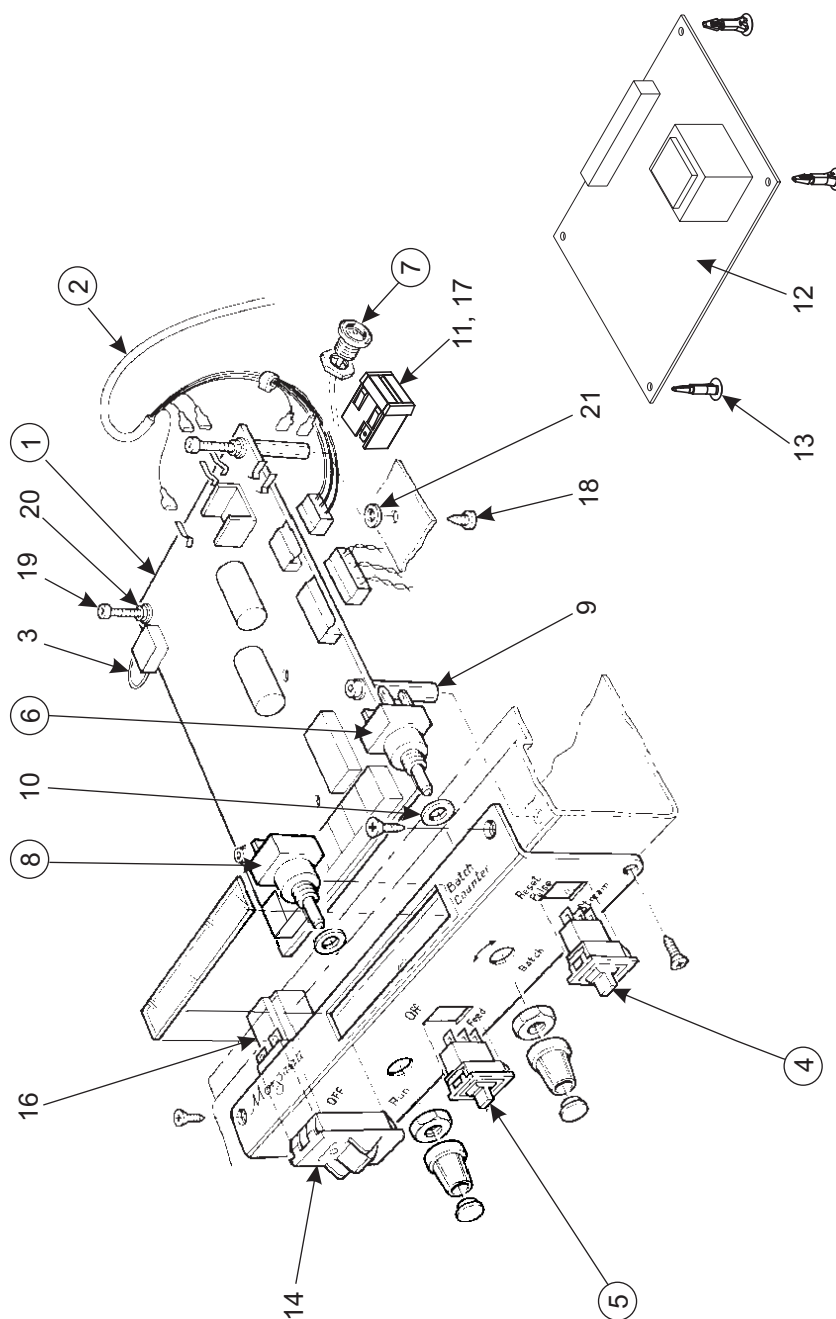
ITEM No.	QTY	PART NO.	DESCRIPTION
1	1	94-003	CONTROL BED.
(2)	1	94-006	UPPER - SENSOR ASSY
3	1	94-020	KNOB - Papergate.
4	1	94-021	LABEL - Papergate 'UP'.
	1	94-038	LABEL - Papergate 'AUF' (Nagel).
	1	94-068	LABEL - Papergate 'UP' (French).
5	2	94-026	CLAMP KNOB - Sidelay.
(6)	2	94-028	LOCK PIN ASSY. - Side Lay.
7	1	94-039	CHASSIS - Papergate.
8	1	94-040	PAPERGATE - Rectangular.
9	1	94-051-02	Loading Table
10	1	94-052-02	Feed Bed
(11)	1	74-06-01	Moving Sidelay - Metric - Major.
	1	74-06-02	Moving Sidelay - Imperial - Major.
	1	74-06-03	Moving Sidelay - French - Major.
	1	74-06-04	Moving Sidelay - Nagel - Major.
	1	74-06-05	Moving Sidelay - Japan - Major.
(12)	1	94-058	BACKSTOP ASSY.
13	1	94-059	SUPPORT POST.
14	1	94-075	MEMBRANE - Moving Sidelay
15	1	603-050	DOWEL - Ø6 x 28 Lg.
16	1	604-037	DISC SPRING.
17	1	604-061	SPRING - Compression.
18	1	605-041	SPHERICAL SEATING WASHER
19	2	605-043	Nylon Washer - Ø5.1 x Ø9.5 x 0.75
20	5	617-003	STEEL BALL - Ø20
21	2	401-02-050-020	Screw - Pan Pozi Taptite - M5 x 20 Lg.
22	2	403-01-040-008	Screw - Socket Cap Head - M4 x 8 Lg.
23	1	409-01-040-006	Screw - Socket Set - Flat Point - M4 x 6 Lg.
24	21	417-04-006-312	Screw - Trunc. Csk Hd. Taptite - #6-32 UNC x 0.312 Lg
25	1	461-01-100	Nut - Full - M10
26	1	481-100	Washer - Plain - M10

5



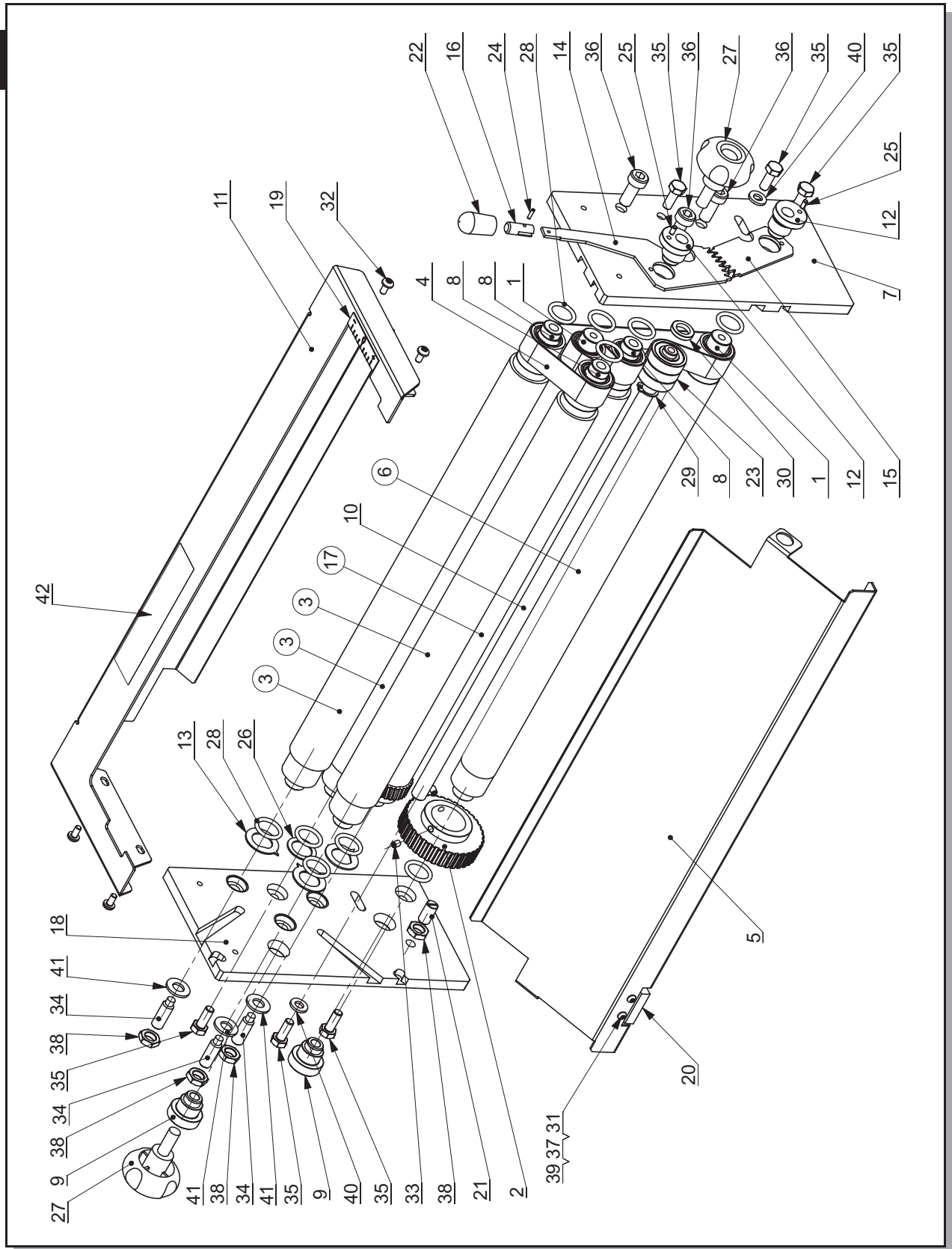
ITEM NO.	PART No.	QTY.	Description
1	95-001	1	SERVICE PANEL
2	95-009-02	1	Compressor Panel
3	95-011	1	SOLENOID VALVE SEAT.
4	95-017	1	HOSE - Vacuum.
5	95-018	1	HOSE - Air Separation.
6	95-019-02	1	Internal Baffle
7	95-020	1	Display Lens
8	95-030	1	LABEL - Air Separation - UK
	95-042	1	LABEL - Air Separation (Nagel)
	95-071	1	LABEL - Air Separation (French)
	95-072	1	LABEL - Air Separation (Japanese)
9	95-031	1	HOSE - Evacuation.
10	95-032	1	HOSE - Exhaust.
11	95-038	1	LABEL - Manifold Numbrs.
12	95-039	1	AIR CONTROL BLOCK ASSY.
13	95-040	1	AIR SPOOL ASSY.
14	95-063	1	CROSS TUBE - Valves.
15	95-069	1	SOLENOID VALVE ASSY.
16	95-106	1	BATCHER PANEL - Major (UK)
	95-130	1	BATCHER PANEL - Major (Nagel)
	95-131	1	BATCHER PANEL - Major (French)
	95-132	1	BATCHER PANEL - Major (Japanese)
17	95-108	1	LABEL - Major.
19	601-036	2	GROMMET
21	609-011	1	'O' Ring Ø20 x Ø3
22	609-013	2	'O' Ring.
24	613-065	1	COLLET KNOB - Black Lined.
25	613-067	1	NUT COVER - Black Lined.
26	613-136	1	TUBE & NUT ASSY.
27	613-137	1	SPRING & PLUNGER ASSY. - Mk2.
29	613-237	1	KNOB CAP - Black.
30	613-238	1	KNOB CAP - Black Lined.
31	613-255	1	SOLENOID CONNECTOR
32	613-365	1	EMERGENCY STOP SWITCH
33	613-377	1	CEE 22 MAINS INLET - Snap-In
35	613-385	1	COLLET KNOB - Black.
36	613-386	1	NUT COVER - Black.
37	401-02-040-008	16	Screw - Pan Pozī Taptite - M4 x 8 Lg.
38	402-02-040-008	5	Screw - Csk Hd. Taptite - M4 x 8 Lg.
39	403-01-050-035	4	Screw - Socket Cap Head - M5 x 35 Lg.
40	461-01-040	5	Nut - Full - M4
42	481-040	1	Washer - Plain - M4

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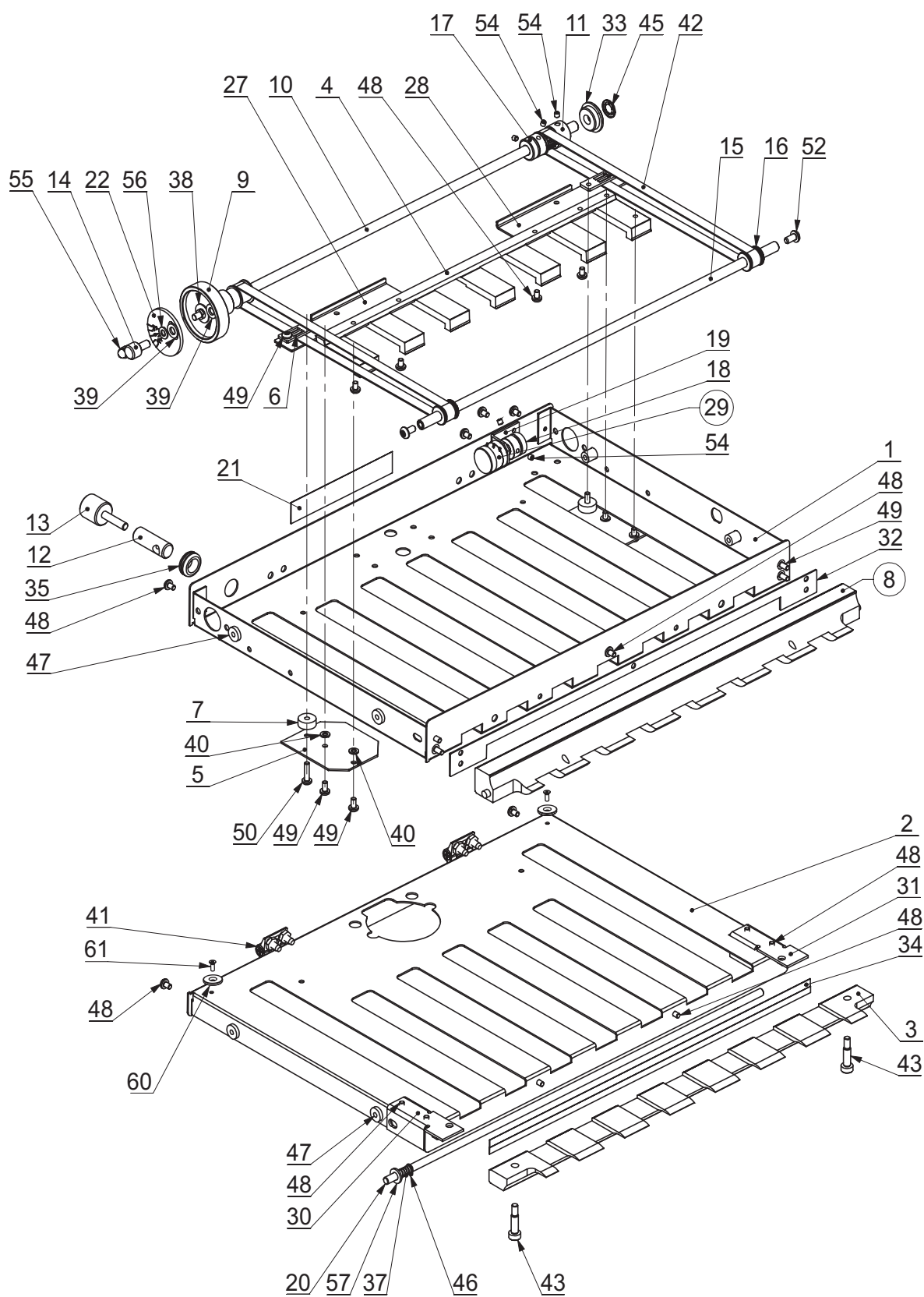
ITEM NO.	PART No.	QTY.	Description
①	95-021	1	CONTROL PCB - Counter / Batcher
②	95-027	1	Wiring Loom - EEC
	95-086	1	Wiring Loom - USA
3	95-034	1	Voltage Selector Plug
4	95-046	1	SWITCH ASSEMBLY - Reset / Pulse / Stream
5	95-047	1	SWITCH ASSEMBLY - Feed
6	95-049	1	ROTARY ENCODER ASSEMBLY
⑦	95-068	1	LEAD - Diagnostic
⑧	95-109	1	POT & LEAD ASSY - Motor Speed
9	601-090	4	PILLAR - Hexagon
10	605-002	1	NYLON WASHER
11	613-059	1	FUSE HOLDER
12	95-138 or 613-184	1	PCB - Motor Speed Controller
13	613-185	1	REVERSE LOCKING SUPPORT
14	613-376	1	SWITCH - 10A - 12V Coil - EEC
	613-383	1	SWITCH - 16A - 12V Coil - USA
15	613-388	1	CABLE TIE
16	613-396	1	SWITCH SHROUD
17	681-005	1	FUSE - 3.15A - 20 x Ø5mm - Fast Blow - Ceramic
18	403-01-030-006	4	SCREW - Socket Cap Head - M3 x 6 Lg.
19	403-01-030-020	4	SCREW - Socket Cap Head - M3 x 20 Lg.
20	461-01-030	5	Nut - Full - M3
21	481-030	1	Washer - Plain - M3

6



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	96-009-02	Roller Support Shaft
2	1	96-010	Large Tube Pulley - 36XL
③	3	96-028-02	Fold Roller Assy - Standard - Wide
4	1	96-031	Drive Belt - Wide
5	1	96-032-02	Roller Guard - Wide Belt
⑥	1	96-036-02	Drive Roller Assy - Crowned - Wide
7	1	96-037	Side Plate (Gap) - Op Side
8	3	96-039-02	Roller Shaft (Gap Set)
9	2	96-040	Bush - Roller Tilt
10	1	96-041-02	Idler Shaft
11	1	96-042-02	Entry Guard - Handles
12	2	96-043	Eccentric Bush - Roller Tilt
13	3	96-044	Indicator - Roller Position
14	1	96-045	Tilt Lever - Toothed
15	1	96-046	Tilt Plate - Toothed
16	1	96-047	Knob - Roller Tilt Lever
①⑦	1	96-049-02	Fold Roller Assy - Bottom - Wide
18	1	96-052	Side Plate (Gap) - Lay Side
19	1	96-053	Label - Roller Tilt
	1	96-061	Label - Roller Tilt (Nagel)
	1	96-063	Label - Roller Tilt (French)
20	1	601-021	Magnetic Actuator
21	1	601-081	Spring Plunger
22	1	601-111	Tapered Ferrule
23	3	602-001	BEARING-Deep Groove Ball - 6000-ZZ
24	1	603-033	Tension Pin - Ø2 x 8 Long
25	2	603-060	Spirol Coiled - Ø3 x 6 Lg.
26	1	605-049	Nylon Washer - Ø15 x Ø21 x 1
27	2	606-030	Scallop Knob - Black
28	10	609-023	'O' Ring Ø15 x Ø2.5
29	1	615-005	CIRCLIP - External - No Groove Ø10
30	1	12-013	SPACER.
31	2	401-02-030-008	Screw - Pan Pozi Taptite - M3 x 8 Lg.
32	4	401-02-040-008	Screw - Pan Pozi Taptite - M4 x 8 Lg.
33	2	407-01-040-006	Screw - Socket Set Knurled - M4 x 6 Lg.
34	3	411-01-080-025	Screw - Socket Set - Dog Point - M8 x 25 Lg.
35	6	415-01-060-016	Screw - Hexagon Head - M6 x 16 Lg.
36	3	419-01-080-012	Screw - Skt. - Low Hd. Cap - M8 x 12
37	2	461-01-030	Nut - Full - M3
38	4	462-01-080	Half Nut - M8
39	2	481-030	Washer - Plain - M3
40	2	481-060	Washer - Plain - M6
41	3	481-080	Washer - Plain - M8
42	1	123-059	LABEL - Safety Warnings

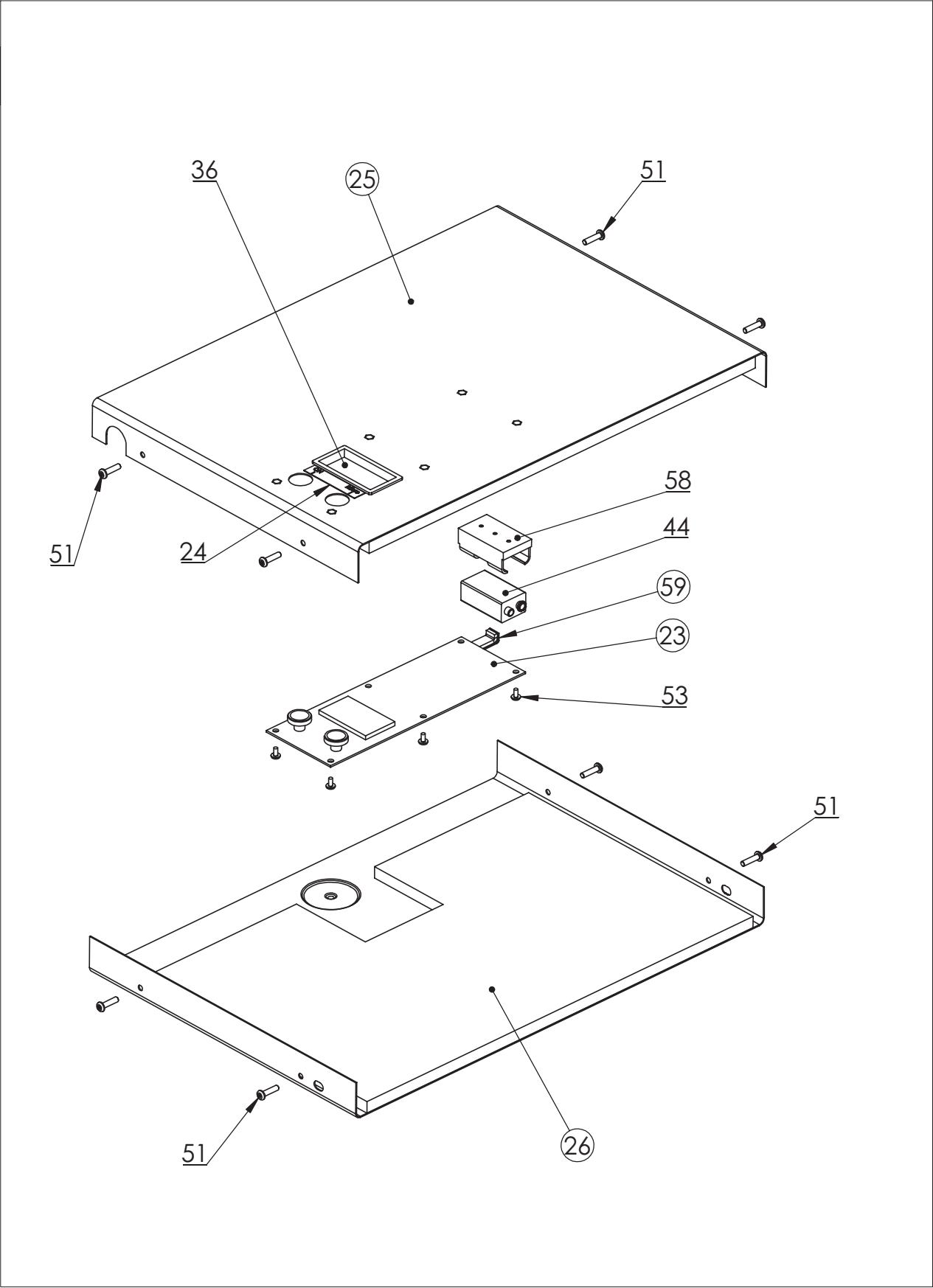
7



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	97-001-02	Top Box - Deflector - Wide
2	1	97-003-02	Bottom Box - Deflector - Wide
3	1	97-007-02	Bottom Rail - Deflector
4	1	97-009-03	Deflector (Extruded)
5	2	97-012	Deflector Guide
6	2	97-016	Belt Clamp
7	2	97-017	Guide Spacer
⑧	1	97-019-02	Top Rail Assy - Deflector - Wide
9	1	97-021	Control Dial Assembly
10	1	97-024-02	Shaft -Blade Control
11	1	97-025	Control Pulley 10XL Flanged
12	1	97-026	Control Lock
13	1	97-027	Control Lock Knob
14	1	97-028	Tilt Lock Knob
15	1	97-029-02	Idler Shaft
16	2	97-030	Idler Reel
17	1	97-031	Control Gear - Shaft
18	1	97-032	Control Gear - Pot
19	1	97-033	Potentiometer Bracket
20	1	97-034-02	Latching Shaft
21	1	97-038	Label - Pull Down to Lock
	1	97-078	Label - Pull Down to Lock (Nagel)
	1	97-098	Label - Pull Down to Lock (French)
22	1	97-039	Tilt Disc - Printed
	1	97-077	Tilt Disc - Printed (Nagel)
	1	97-139	Tilt Disc - Printed (French)
27	1	97-073-02	Deflector Carraige - Op Side
28	1	97-074-02	Deflector Carraige - Drive Side
②9	1	97-075	Pot & Lead Assy.
30	1	97-087	Latching Bracket - Op Side
31	1	97-088	Latching Bracket - Lay Side
32	1	97-093-02	Spacer Plate - Top Rail (Defl.)
33	1	97-117	Bush - Bearing
34	1	98-013-02	Anti-Static Brush - Wide
35	1	601-084	Grommet - Ø12.7 X Ø15 X Ø20 X 1.6
37	1	604-070	Compression Spring
38	1	605-004	Thrust Washer - Ø8 x Ø15.88 x 0.79
39	2	605-021	Thrust Washer - Ø6.4 x Ø12 x 1.5
40	4	605-042	Nylon Washer - Ø4.3 x Ø8 x 1.0
41	2	606-019	Hinge - Adjustable Black Acetyl
42	2	607-026	Toothed Belt - 132XL
43	2	608-004	Shoulder Bolt - Ø6(M5) x 16 Lg.
45	1	615-009	Starlock Washer
46	1	615-016	CIRCLIP- External - Ø6
47	8	615-032	Flex Loc Bush - M4
48	17	401-02-040-006	Screw - Pan Pozi Taptite - M4 x 6 Lg.
49	12	401-02-040-008	Screw - Pan Pozi Taptite - M4 x 8 Lg.
50	2	401-02-040-016	Screw - Pan Pozi Taptite - M4 x 16 Lg.
52	2	405-01-050-010	Screw - Button Hd. - M5 x 10 Lg.
54	6	409-01-040-004	Screw - Socket Set - Flat Point - M4 x 4 Lg.
55	1	463-01-050	Domed Nut - M4
56	1	481-050	Washer - Plain - M5
57	1	481-060	Washer - Plain - M6
60	2	97-144-01	Spacer - Fold Plate
61	2	402-02-030-008	Screw - Countersunk Pozi Taptite - M3 x 8 Lg

THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES

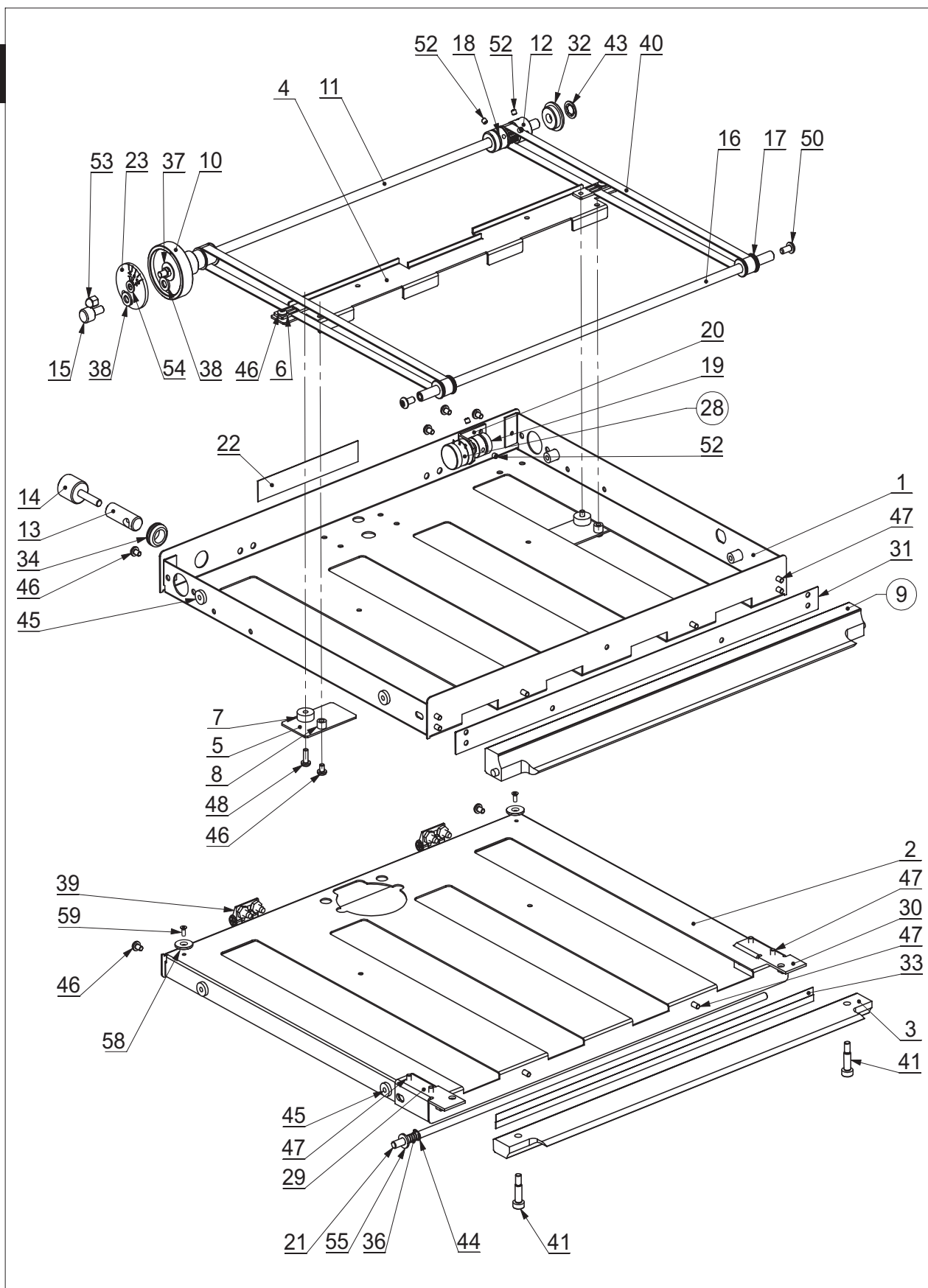
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ITEM NO.	QTY.	PART NO.	DESCRIPTION
②3	1	97-040	Positional Display PCB
24	1	97-059	Digital Plate Label
②5	1	97-061-02	Top Cover Assy - Digital Deflector - Wide
②6	1	97-065-02	Bottom Cover Assy - Digital Deflector - Wide
36	1	601-086	Display Bezel
44	1	613-379	Battery - Duracell PP3
51	8	405-01-040-016	Screw - Button Hd. - M4 x 16 Lg.
53	6	405-03-006-250	Screw - Button Hd. - 6-32 UNC x 0.25" Lg
58	1	613-378	Battery Holder
⑤9	1	97-142	Bracket Assembly - Battery

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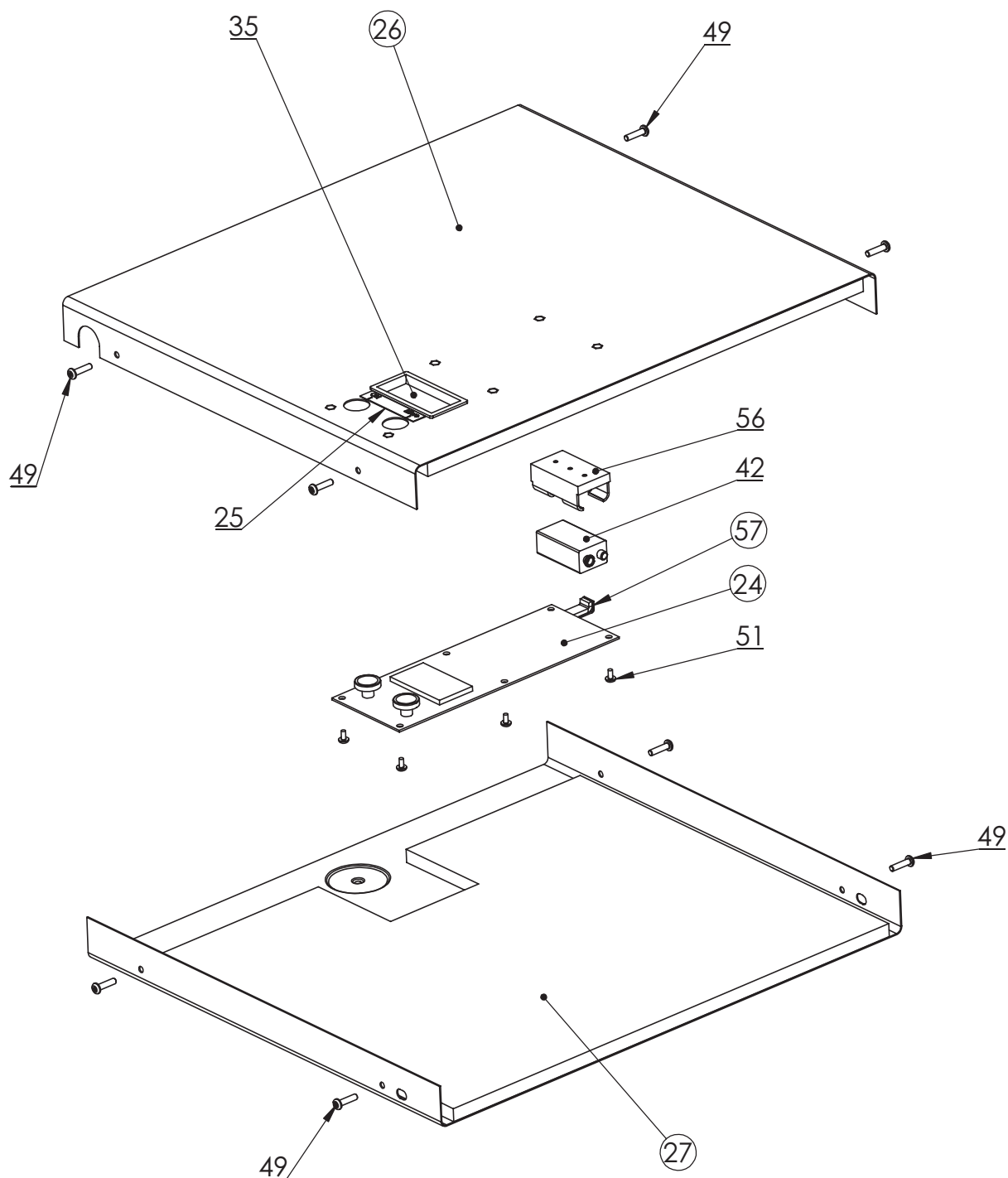
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ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	97-002-02	Top Box - Stop - Wide
2	1	97-004-02	Bottom Box - Stop - Wide
3	1	97-008-02	Bottom Rail - Stop
4	1	97-010-03	Stop
5	2	97-014	Stop Guide
6	2	97-016	Belt Clamp
7	2	97-017	Guide Spacer
8	2	97-018	Stop Spacer
(9)	1	97-020-02	Top Rail Assy - Stop - Wide
10	1	97-021	Control Dial Assembly
11	1	97-024-02	Shaft -Blade Control
12	1	97-025	Control Pulley 10XL Flanged
13	1	97-026	Control Lock
14	1	97-027	Control Lock Knob
15	1	97-028	Tilt Lock Knob
16	1	97-029-02	Idler Shaft
17	2	97-030	Idler Reel
18	1	97-031	Control Gear - Shaft
19	1	97-032	Control Gear - Pot
20	1	97-033	Potentiometer Bracket
21	1	97-034-02	Latching Shaft
22	1	97-038	Label - Pull Down to Lock
23	1	97-039	Tilt Disc - Printed
(28)	1	97-075	Pot & Lead Assy.
29	1	97-087	Latching Bracket - Op Side
30	1	97-088	Latching Bracket - Lay Side
31	1	97-094-02	Spacer Plate - Top Rail (Stop)
32	1	97-117	Bush - Bearing
33	1	98-013-02	Anti-Static Brush - Wide
34	1	601-084	Grommet - Ø12.7 X Ø15 X Ø20 X 1.6
36	1	604-070	Compression Spring
37	1	605-004	Thrust Washer - Ø8 x Ø15.88 x 0.79
38	1	605-021	Thrust Washer Ø6.4 x Ø12 x 1.5
39	2	606-019	Hinge - Adjustable Black Acetyl
40	2	607-025	Toothed Belt - 132XL
41	2	608-004	Shoulder Bolt - Ø6(M5) x 16 Lg.
43	1	615-009	Starlock Washer
44	1	615-016	CIRCLIP- External - Ø6
45	8	615-032	Flex Loc Bush - M4
46	10	401-02-040-006	Screw - Pan Pozi Taptite - M4 x 6 Lg.
47	14	401-02-040-008	Screw - Pan Pozi Taptite - M4 x 8 Lg.
48	2	401-02-040-012	Screw - Pan Pozi Taptite - M4 x 12 Lg.
50	2	405-01-050-010	Screw - Button Hd. - M5 x 10 Lg.
52	6	409-01-040-004	Screw - Socket Set - Flat Point - M4 x 4 Lg.
53	1	463-01-050	Domed Nut - M4
54	1	481-050	Washer - Plain - M5
55	1	481-060	Washer - Plain - M6
58	2	97-144-01	Spacer - Fold Plate
59	2	402-02-030-008	Screw - Countersunk Pozi Taptite - M3 x 8 Lg

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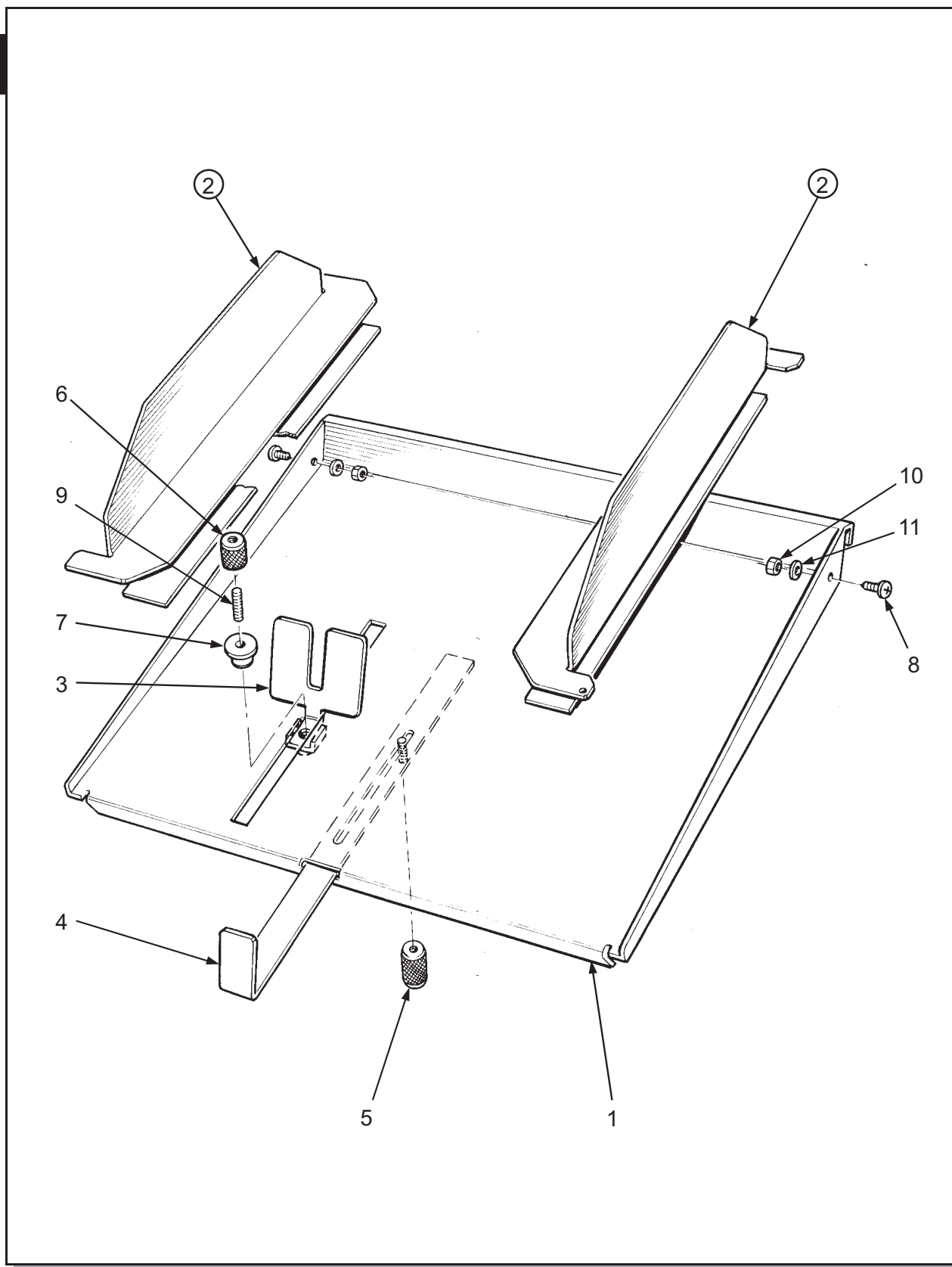
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ITEM NO.	QTY.	PART NO.	DESCRIPTION
②4	1	97-040	Positional Display PCB
25	1	97-059	Digital Plate Label
②6	1	97-062-02	Top Cover Assy - Digital Stop - Wide
②7	1	97-066-02	Bottom Cover Assy - Digital Stop - Wide
35	1	601-086	Display Bezel
42	1	613-379	Battery - Duracell PP3
49	8	405-01-040-016	Screw - Button Hd. - M4 x 16 Lg.
51	6	405-03-006-250	Screw - Button Hd. - 6-32 UNC x 0.25" Lg
56	1	613-378	Battery Holder
⑤7	1	97-142	Bracket Assembly - Battery

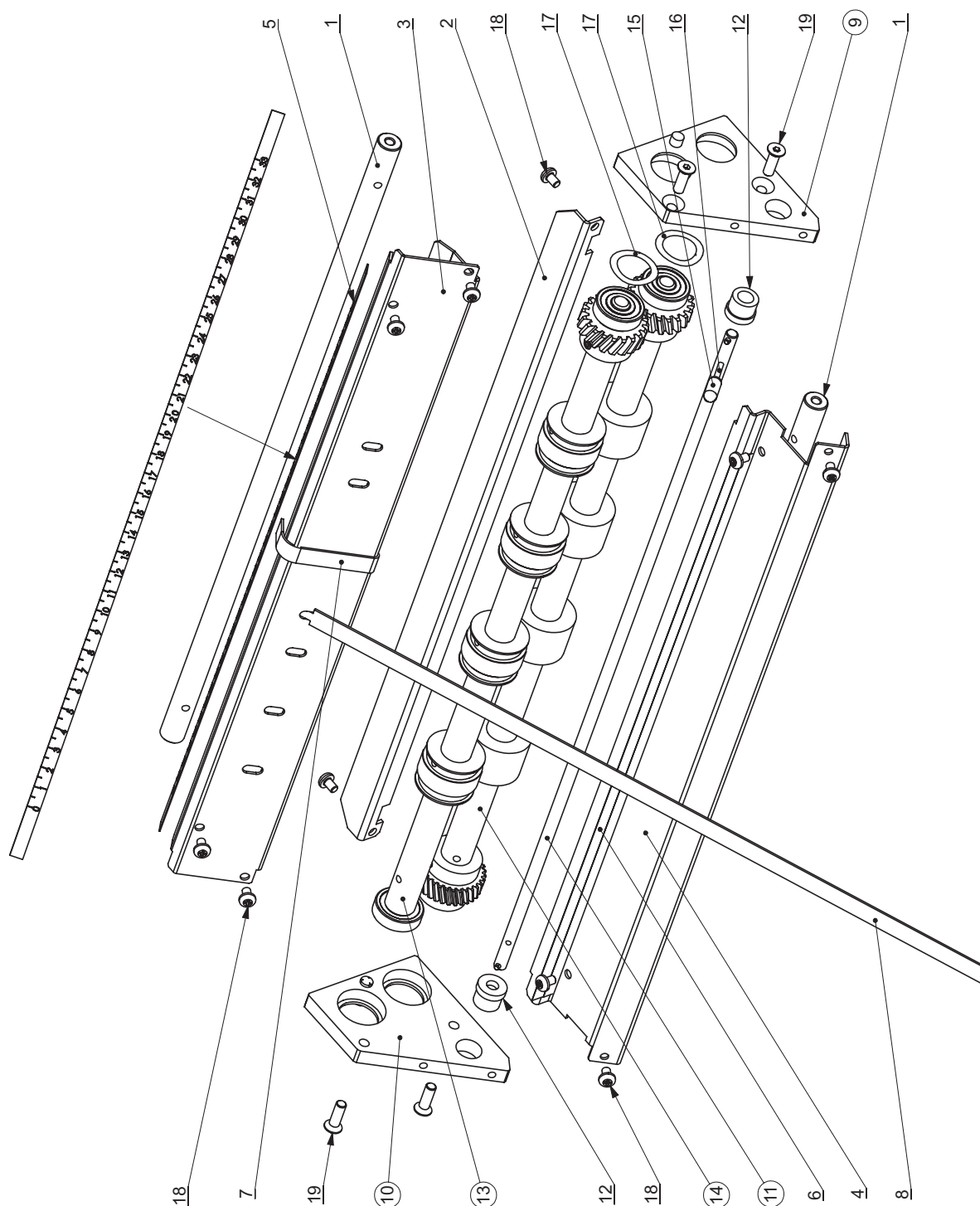
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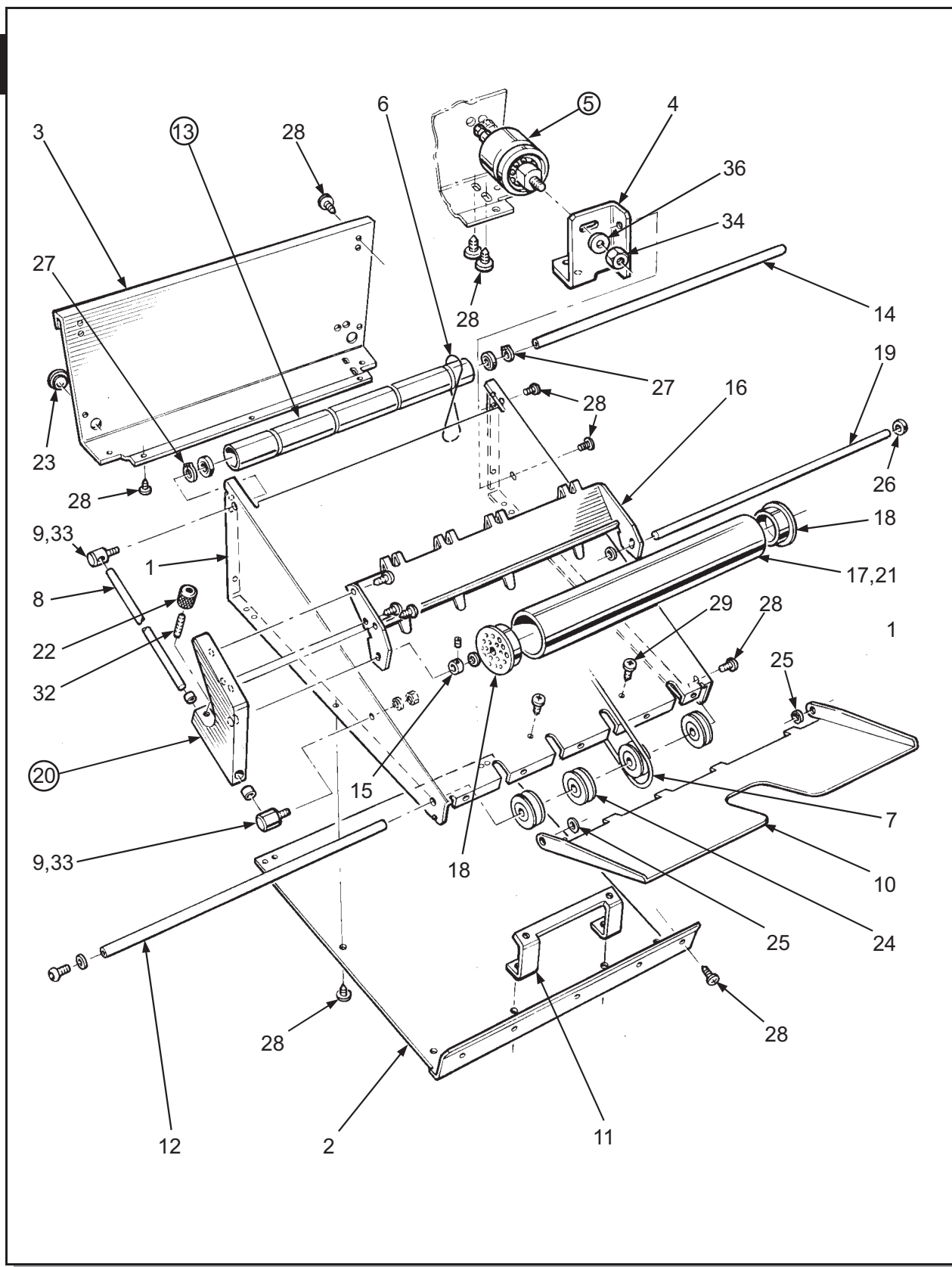
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ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	98-003-02	Tie Bar - Perforator
2	1	98-007-02	Input Bed - Perforator
3	1	98-008-02	Upper Guard -Perforator
4	1	98-009-02	Lower Guard - Perforator
5	1 1	98-050 98-051	Perforator Scale - Metric - (EEC) Perforator Scale - Imperial - (USA)
6	1	98-013-02	Anti-Static Brush - Wide
7	1	98-018-02	STRIPPER - Perforator - Long.
8	1	98-019	Smoother - Card
⑨	1	98-021	Frame Pad Assy - Op Side
⑩	1	98-022	Frame Pad Assy - Non Op Side
⑪	1	98-032-02	Latching Shaft Assy - Wide
12	2	98-037	Latch Bearing - Perforator
⑬	1	98-048-02	Perforator Shaft Assy - Upper - Wide
⑭	1	98-049-02	Perforator Shaft Assy - Lower - Wide
15	1	601-096	End Tip Ø2.4XØ6.3X12.2 LG-BLK
16	1	603-057	Tension Pin - Ø2.5 X 30 Lg
17	2	604-056	Waved Washer - Ø24 X Ø17 X 3
18	10	401-02-040-006	Screw - Pan Pozi Taptite - M4 x 6 Lg.
19	4	404-01-050-016	Screw - Socket C'snk Head. - M5 x 12 Lg.



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ITEM	PART NUMBER	QTY	DESCRIPTION
1	99-001	1	REAR DELIVERY FRAME
2	99-002	1	REAR DELIVERY COVER
3	99-003	1	MOUNTING HOOK
4	99-004	1	SUPPORT BRACKET
⑤	99-009	1	FLOATING DRIVE ASSEMBLY
6	99-010	1	DRIVE BELT - Rear Delivery
7	99-011	4	TRANSPORT BELT - Rear Delivery
8	99-012	1	SLIDE SHAFT - Rear Delivery
9	99-013	2	SUPPORT BARREL
10	92-003	1	STACKER - Hinged
11	92-004	1	SUPPORT STRAP
12	92-005	1	IDLER SHAFT - Delivery Idler
⑬	92-029	1	CORD ROLLER ASSEMBLY
14	92-006	1	SUPPORT SHAFT - Delivery
15	92-018	1	CONTROL COLLAR - Stacker
16	92-020	1	CATCHING FRAME - Delivery
17	92-021	1	STACKER ROLLER - Long
18	92-022	2	END CAP - Stacking Roller
19	92-023	1	AXLE - Stacking Roller
⑳	92-039	1	SLIDE FRAME ASSEMBLY - Low
21	16-030	1	COUNTER WEIGHT
22	01-120	1	UNIVERSAL KNOB
23	601-093	2	GROMMET FOOT
24	602-047	4	IDLER PULLEY - LIGHT DUTY
25	605-040	2	NYLON WASHER
26	615-004	1	CAPPED PUSH-ON FASTENER
27	615-005	2	NO GROOVE CIRCLIP
28	401-02-040-006	17	Screw - Pan Pozi Taptite - M4 x 6 Long
29	401-02-040-008	3	Screw - Pan Pozi Taptite - M4 x 8 Long
30	405-01-040-008	2	Screw - Socket Button Head - M4 x 8 Long
31	405-01-060-010	1	Screw - Socket Button Head - M6 x 10 Long
32	409-01-040-016	1	Screw - Socket Set - Flat Point - M4 x 16 Long
33	461-01-060	1	Nut - Full - M6
34	461-01-080	1	Nut - Full - M8
35	481-040	3	Washer - Plain - M4
36	481-080	1	Washer - Plain - M8