

Morgana FSN Suction Feed Rotary Numbering Machine

Parts List



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FSN

**SUCTION FEED
ROTARY NUMBERING
MACHINE**

ILLUSTRATED PARTS MANUAL

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F S N

ILLUSTRATED PARTS MANUAL

This Parts Manual has been designed to help you to select any part or assembly which may be required to service or repair your machine.

The following page explains some of the techniques used to help you use this manual and the index on page 5 lists all of the major assemblies in the order in which the machine was built.

Each section has at least one pair of facing pages containing an illustration and an accompanying list of parts. Some sections also have information boxes, which contain Notes, Tips, or Warnings.

The number at the top outside edge of each page identifies the assembly and should always be quoted when ordering parts or seeking technical advice.

When ordering parts you should confirm that the number at the top of the index page - which is the model number - is the same as the number stamped upon the specification plate fixed to your machine's rear panel. Whilst you are checking this, you may like to take a note of the serial number which is also on this plate.

Some components - *those in italics* - are not available individually as they form part of a sub-assembly which may not be dismantled or may require specialist tooling or knowledge to do so. The machine may not perform correctly if attempts are made to repair sub-assemblies of this type.

Accessories are available to help you get the best possible use out of your machine, and they include various types of numbering head, ink rollers, and perforating blades. A full list appears in section 21 towards the end of this manual.

NOTE....

ALWAYS CONSULT THE OPERATORS MANUAL FOR YOUR MACHINE BEFORE CARRYING OUT ANY ADJUSTMENTS, AND ALWAYS DISCONNECT THE POWER SUPPLY BEFORE REMOVING ANY COVERS.

USING THIS MANUAL.....

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

ITEMS IN NORMAL TYPE ARE AVAILABLE INDIVIDUALLY AS SPARE PARTS.

ITEMS IN LOWER CASE ITALICS ARE NOT AVAILABLE INDIVIDUALLY.

21	86-020-ND	1	CORD DRIVE HUB ASSEMBLY
22	86-022-4	1	♦ <i>Cord Drive Hub</i>
23	623-010	2	♦ <i>Drawn Cup Roller Clutch - (HFL 1626)</i>
24	86-032-4	2	♦ FRICTION TYRE - UPPER
25	605-037	1	♦ <i>Nylon Washer - Ø10 - (041 - 3825)</i>
26	602-042	2	♦ <i>DU Bush - Flanged - (FMB 0809.5)</i>
27	608-014	1	SHOULDER BOLT - Ø8 x M6 x 40 LONG
28	609-007	1	'O' RING - (DRIVE BELT)
29			

ITEMS WITH A DIAMOND PREFIX ARE PART OF A SUB - ASSEMBLY.

ALTHOUGH PART OF A SUB - ASSEMBLY, (DIAMOND PREFIX) ITEMS MAY STILL BE AVAILABLE INDIVIDUALLY. (NORMAL TYPE)

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.

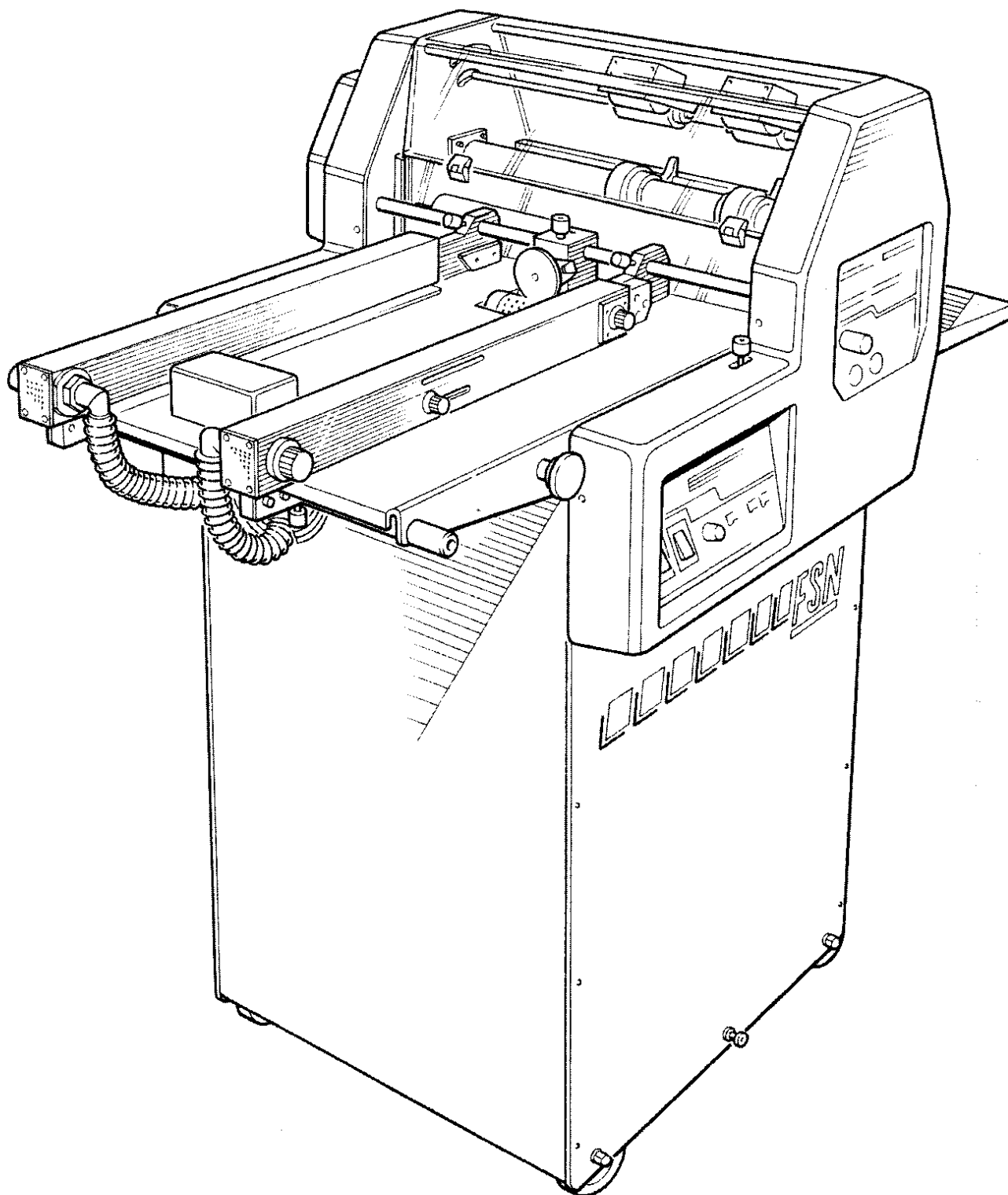
WARNING.....

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

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F S N (EUROPE)

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Morgana **FSN**
ROTARY NUMBERING MACHINE

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ROTARY

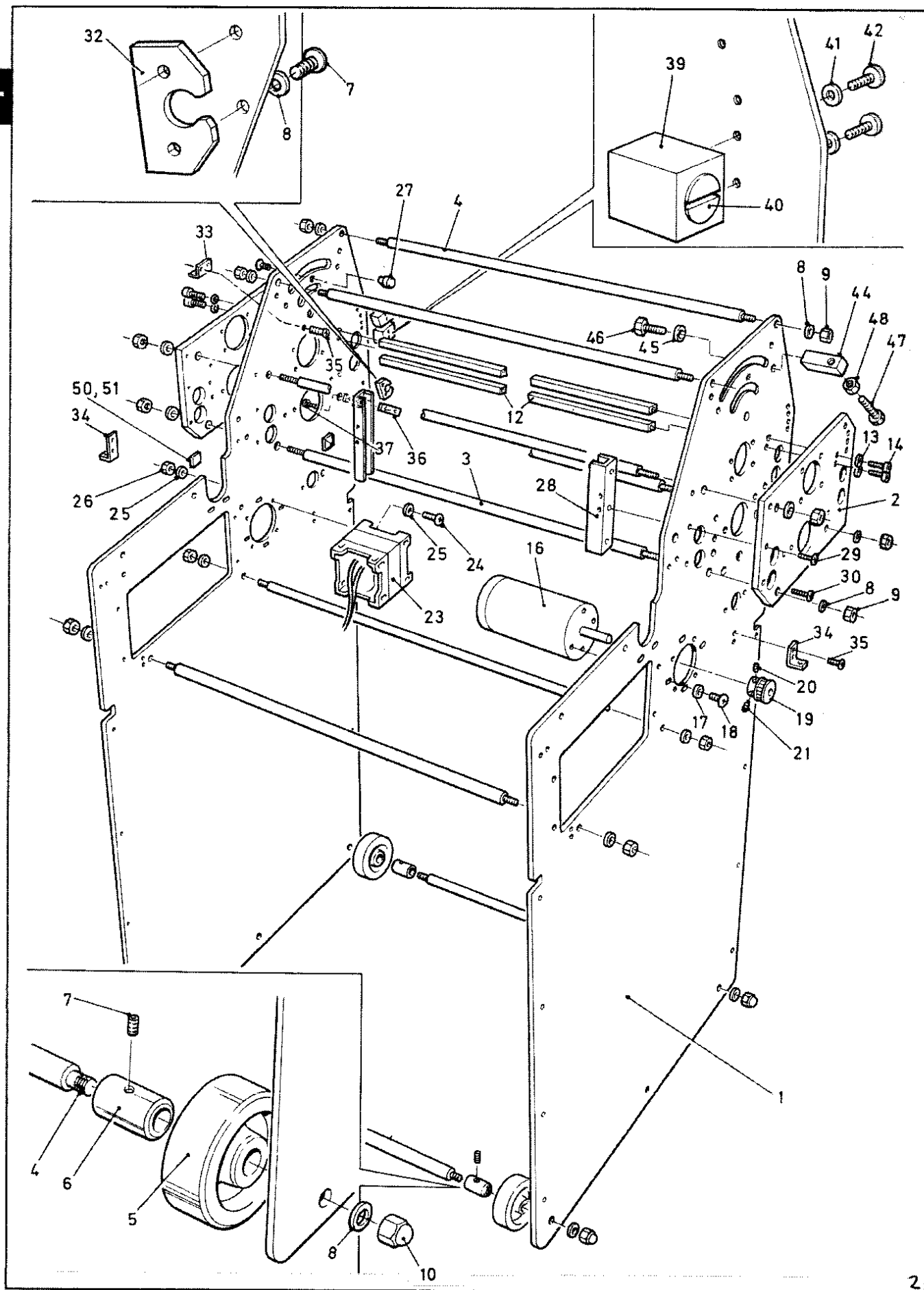
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8	6-44-11	1	WIRING LOOM - 50HZ	26
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11	6-60-11	1	VACUUM ROLLER INSTALLATION	30
12	6-15-11	1	LOADING TABLE ASSY - METRIC	32
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14	6-13-02	1	MANIFOLD ASSEMBLY DRIVE SIDE	36
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NOTE....

Section 10 (1-12-01 Vacuum Roller) is not included in this manual as it does not contain parts which can be supplied as spares. It is listed in the index for reference purposes only.

TIP....

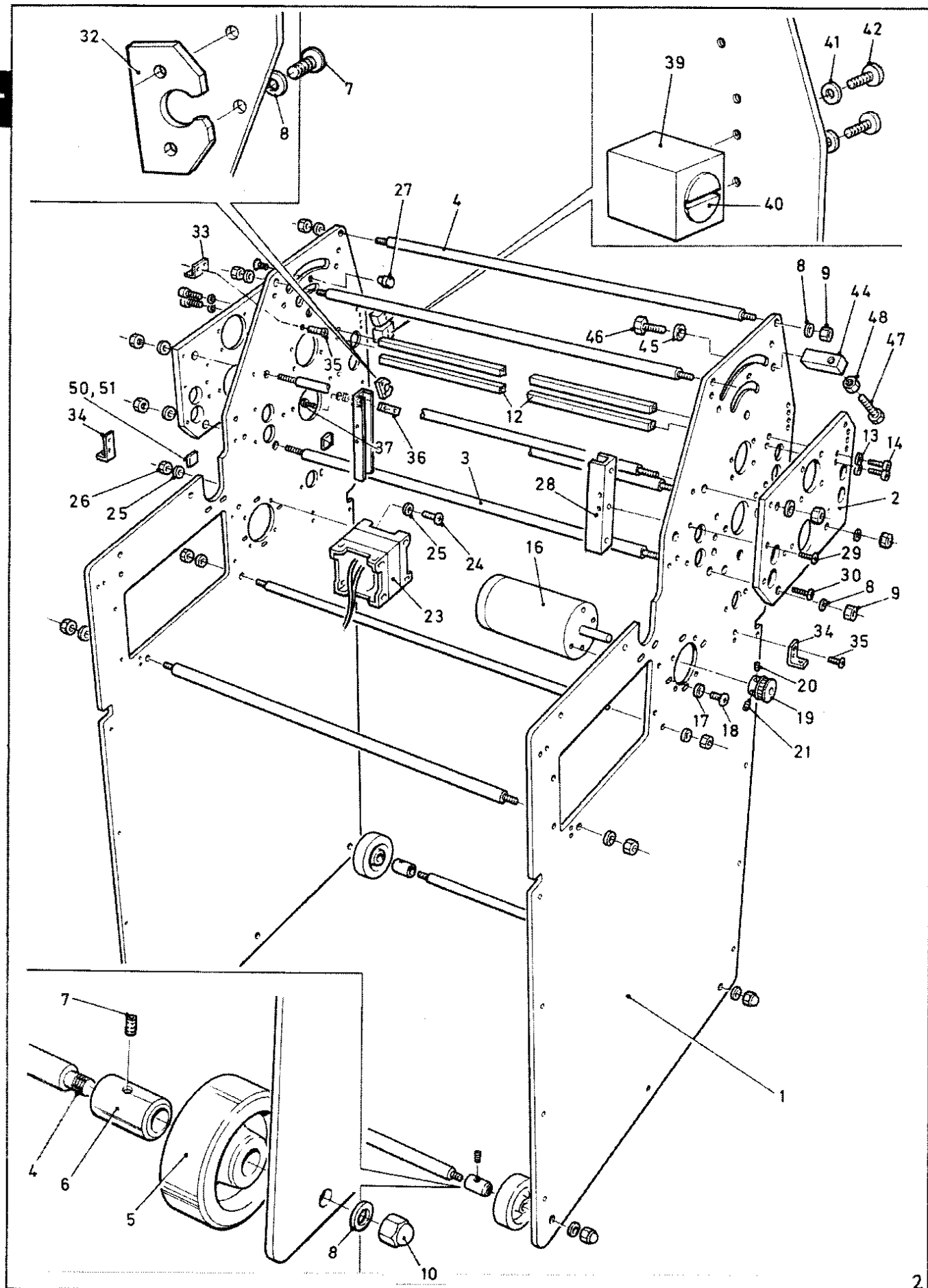
To assist you in quickly finding the section you require, there are numbered bleed tabs positioned down the outside edges of each page, in line with the entry in the index.



ITEM	PART NUMBER	QTY	DESCRIPTION
1	65-020-0	2	SIDE PLATE - FSN II
2	82-009-1	2	PRINCIPLE BEARING HOUSING
3	002-003-3	3	TIE BAR (THICK)
4	52-003-3	6	TIE BAR (THIN)
5	62-006-3	4	NYLON WHEEL
6	62-011-X	4	COLLAR
7	407-01-050-005	4	SCREW - SOCKET SET KN - M5 x 5 LONG
8	481-080	18	WASHER - PLAIN - M8
9	461-01-080	14	NUT - FULL - M8
10	463-01-080	4	NUT - DOMED - M8 (LONG)
11			
12	82-010-3	2	ADVANCE SHAFT
13	481-060	4	WASHER - PLAIN - M6
14	403-01-060-025	4	SCREW - SOCKET CAP HEAD - M6 x 25 LONG
15			
16	610-007	1	MOTOR PERMANENT MAGNET (EMD - PM 63)
17	481-050	4	WASHER - PLAIN - M5
18	401-02-050-012	4	SCREW - PAN POZI TAPTITE - M5 x 12 LONG
19	56-003-3	1	TIMING PULLEY 16 XL FLANGED
20	409-01-040-006	2	SCREW - SOCKET SET FLAT - M4 x 6 LONG
21			
22			
23	613-135	1	CHOKE (ARMATURE) 3.5A
24	415-01-040-010	4	SCREW - HEX HEAD SET- M4 x 10 LONG
25	481-040	8	WASHER - PLAIN - M4
26	461-01-040	4	NUT - FULL - M4
27	61-015-4	2	PLUG - INK POD
28	65-034-3	2	GUARD SLIDE
29	401-02-040-025	2	SCREW - PAN POZI TAPTITE - M4 x 25 LONG
30	401-02-040-020	4	SCREW - PAN POZI TAPTITE - M4 x 20 LONG
31			

NOTES....

THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES ↗

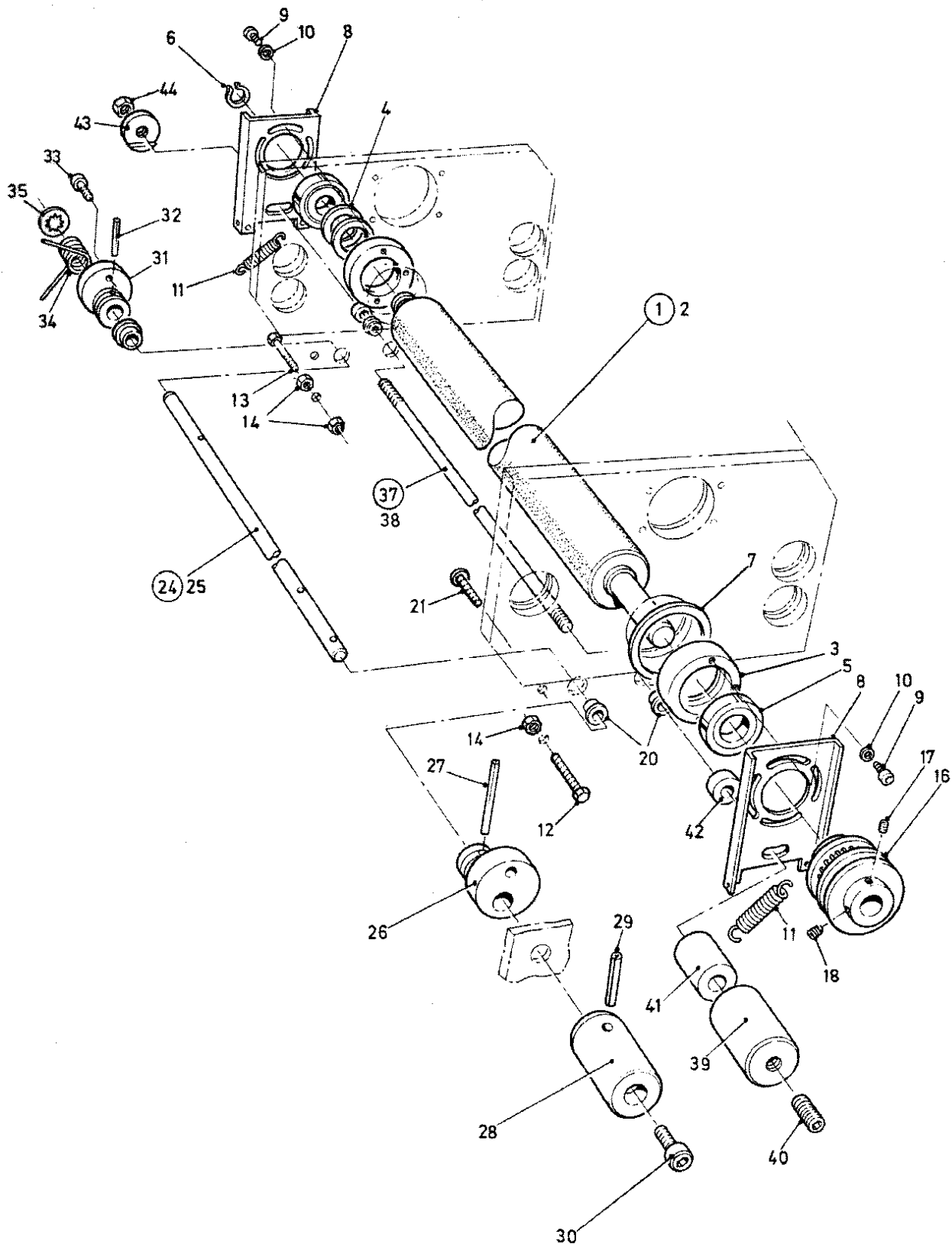


 THIS SECTION IS CONTINUED FROM THE PREVIOUS PAGE

ITEM	PART NUMBER	QTY	DESCRIPTION
23	613-135	1	CHOKE (ARMATURE) 3.5A
24	415-01-040-010	4	SCREW - HEX HEAD SET - M4 x 10 LONG
25	481-040	8	WASHER - PLAIN - M4
26	461-01-040	4	NUT M4 ZINC
27	61-015-4	2	PLUG - INK POD
28	65-034-3	2	GUARD SLIDE
29	401-02-040-025	2	SCREW - PAN POZI TAPTITE - M4 x 25 LONG
30	401-02-040-020	4	SCREW - PAN POZI TAPTITE - M4 x 20 LONG
31			
32	52-015-3	2	CATCH PLATE
33	57-031-3	1	SPRING RETENTION BRACKET
34	83-026-3	10	SIDE COVER BRACKET
35	401-02-040-008	20	SCREW - PAN POZI TAPTITE - M4 x 8 LONG
36	81-022-4	2	STOP PAD - STACKER
37	401-02-040-010	4	SCREW - PAN POZI TAPTITE - M4 x 10 LONG
38			
39	81-013-4	4	MAGNET HOUSING
40	601-071	4	MAGNET (CF12 - 00)
41	481-030	8	WASHER - PLAIN - M3
42	401-02-030-008	8	SCREW - PAN POZI TAPTITE - M3 x 8 LONG
43			
44	52-006-3	4	ADJUSTER BLOCK (INKING)
45	481-060	4	WASHER - PLAIN - M6
46	415-01-060-010	4	SCREW - HEX HEAD SET - M6 x 10 LONG
47	415-01-060-02	4	SCREW - HEX HEAD SET - M6 x 25 LONG
48	461-01-060	4	NUT - FULL - M6
49			
50	613-339	3	CABLE TIE MOUNTING EYELET
51	401-02-040-008	2	SCREW - PAN POZI TAPTITE - M4 x 8 LONG

NOTES....

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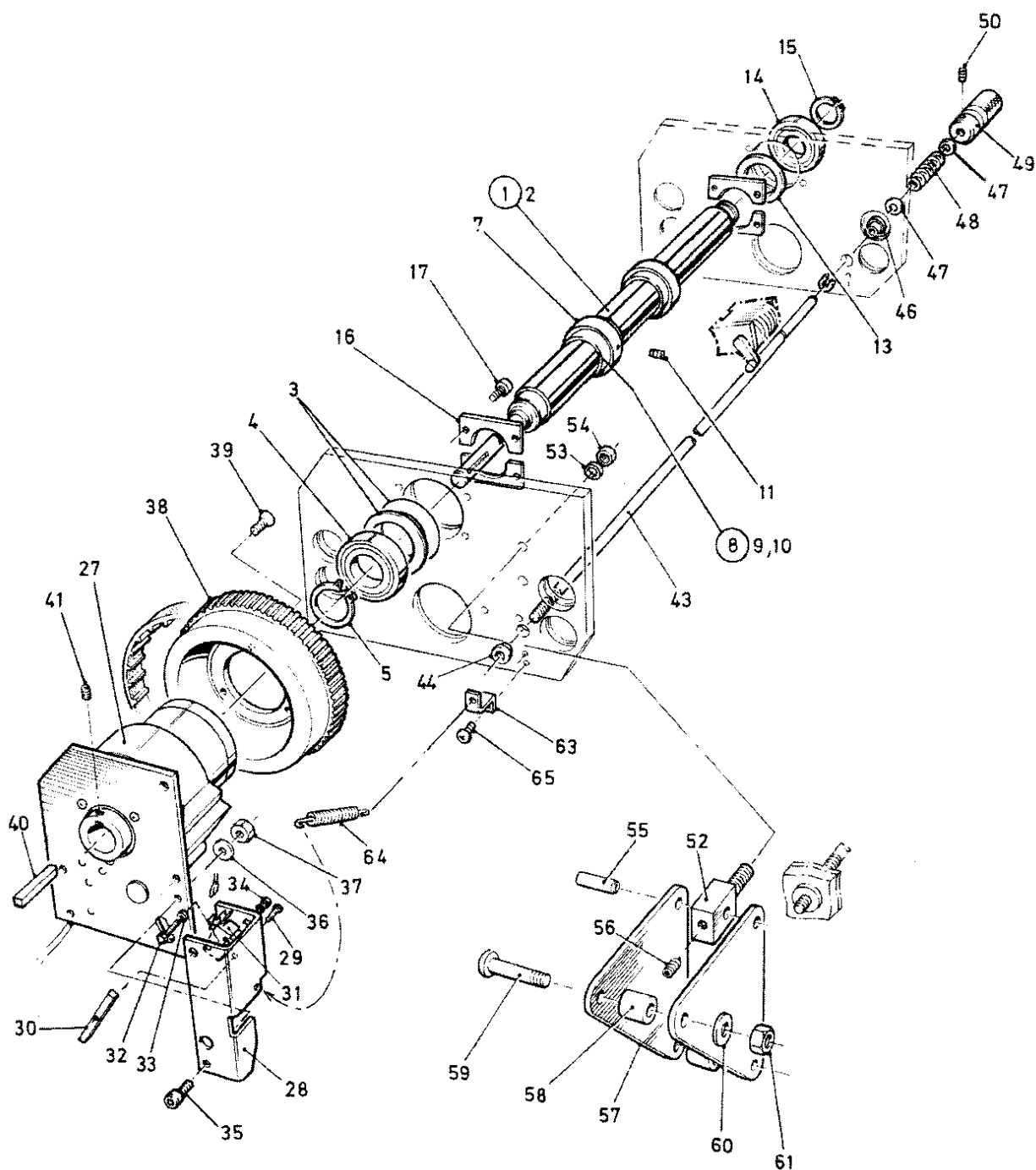


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NOTE....

♦ Items in *italics* (*in the list on the following page*) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

ITEM	PART NUMBER	QTY	DESCRIPTION
①	51-086-2	1	PLATEN ASSEMBLY
2	51-002-2	1	♦ <i>Platen</i>
3	51-005-3	2	♦ <i>Eccentric - Platen Adjustment</i>
4	604-013	2	♦ <i>Disc Spring - (6003 Bearing)</i>
5	602-020	2	♦ <i>Ball Bearing - (6003 ZZ)</i>
6	615-013	1	♦ <i>Circlip - External - (1400 - 17)</i>
7	51-068-3	1	♦ <i>Shim - Platen Eccentric</i>
8	51-044-3	2	ECCENTRIC ADJUSTER PLATE
9	415-01-040-010	6	SCREW - HEX HEAD SET - M4 x 10 LONG
10	481-040	6	WASHER - PLAIN - M4
11	604-023	2	SPRING - TENSION - (LE 045 - D9)
12	415-01-050-035	1	SCREW - HEX HEAD SET - M5 X 35 LONG
13	415-01-050-020	1	SCREW - HEX HEAD SET - M5 x 20 LONG
14	461-01-050	4	NUT - PLAIN - M5
15			
16	56-002-3	1	TIMING / CORD PULLEY - (24 XL / Ø5)
17	409-01-050-008	1	SCREW - SOCKET SET FLAT - M5 x 8 LONG
18	410-01-050-008	1	SCREW - SOCKET SET DOG - M5 x 8 LONG
19			
20	602-012	4	OILITE BEARING - (FCM 10 - 6)
21	401-02-040-012	1	SCREW-PAN HEAD TAPTITE-M4 x 12 LONG
22			
23			
②④	51-087-3	1	CAM SHAFT ASSEMBLY
25	51-052-3	1	♦ <i>Cam Shaft</i>
26	51-051-3	1	♦ <i>Cam</i>
27	603-024	1	♦ <i>Tension Pin - Ø3 x 30 Long - Standard</i>
28	51-053-3	1	♦ <i>Cam Operating Knob</i>
29	603-007	1	♦ <i>Tension Pin - Ø3 x 20 Long - Standard</i>
30	403-01-060-008	1	♦ <i>Screw - Cap Head Socket - M6 x 8 Long</i>
31	51-051-3	1	CAM
32	603-019	1	TENSION PIN - Ø3 x 16 LONG - STANDARD
33	401-02-040-010	1	SCREW - PAN POZI TAPTITE - 4 x 10 LONG
34	604-033	1	SPRING - TORSION - (LTL 054 K2)
35	615-009	1	STARLOCK RETAINER - Ø8 UNCAPPED
36			
③⑦	51-091-3	1	LOCKING SHAFT ASSEMBLY
38	51-046-3	1	♦ <i>Locking Shaft</i>
39	51-050-3	1	♦ <i>Locking Knob</i>
40	408-01-080-015	1	♦ <i>Screw - Socket Set Cone - M8 X 15 Long</i>
41	51-049-X	1	LOCKING BUSH - LONG
42	51-048-X	2	LOCKING BUSH - SHORT
43	51-047-3	1	LOCK NUT
44	461-01-080	2	NUT - FULL - M8



ITEM	PART NUMBER	QTY	DESCRIPTION
①	51-084-2	1	MAIN SHAFT ASSEMBLY - (CB6)
2	51-071-2	1	♦ <i>Main Shaft - CB6</i>
3	604-012	2	♦ <i>Disc Spring - (6005 Bearing)</i>
4	602-004	1	♦ <i>Ball Bearing - 6005 ZZ</i>
5	615-012	1	♦ <i>Circlip - External - (1400 - 25)</i>
6			
7	51-083-1	2	CLAMP RING - INTERNATIONAL - METRIC
⑧	51-094-3	2	KEY & PIN ASSEMBLY
9	51-079-3	2	♦ <i>Key- Rectangular - 6 x 6 x 38</i>
10	603-033	2	♦ <i>Tension Pin - Ø2 x 8 Long</i>
11	410-01-080-008	2	♦ <i>Screw - Socket Set Dog - M8 x 8 Long</i>
12			
13	51-038-3	1	THRUST WASHER
14	602-004	1	BALL BEARING - 6005 ZZ
15	615-012	1	CIRCLIP - EXTERNAL - (1400 - 25)
16	51-014-3	4	BEARING RETAINER
17	403-01-040-010	8	SCREW - SOCKET CAP HEAD-M4 x 10 LONG
18			
19			
20/25			
26			
27	51-081-3	1	CLUTCH ASSEMBLY - (CB6 12V)
28	81-010-3	1	REACTION PLATE
29	403-01-030-020	1	SCREW - SOCKET CAP HEAD-M3 x 20 LONG
30	81-019-3	1	MICRO SWITCH OPERATING ARM
31	613-191	1	MICRO SWITCH
32	403-01-030-020	2	SCREW- SOCKET CAP HEAD-M3 x 20 LONG
33	481-030	4	WASHER - PLAIN - M3
34	461-01-030	2	NUT - FULL - M3
35	403-01-060-016	2	SCREW - SOCKET CAP HEAD - M6 x 16 LONG
36	481-060	2	WASHER - PLAIN - M6
37	461-01-060	2	NUT - FULL - M6
38	56-033-3	1	TIMING PULLEY - 72 XL
39	404-01-060-015	3	SCREW - SOCKET C'SUNK M6 x 15 LONG
40	601-045	1	KEY - RECTANGULAR - 6 x 6 x 32 LONG
41	409-01-050-005	1	SCREW - SOCKET SET FLAT - M5 x 5 LONG
42			

NOTE....

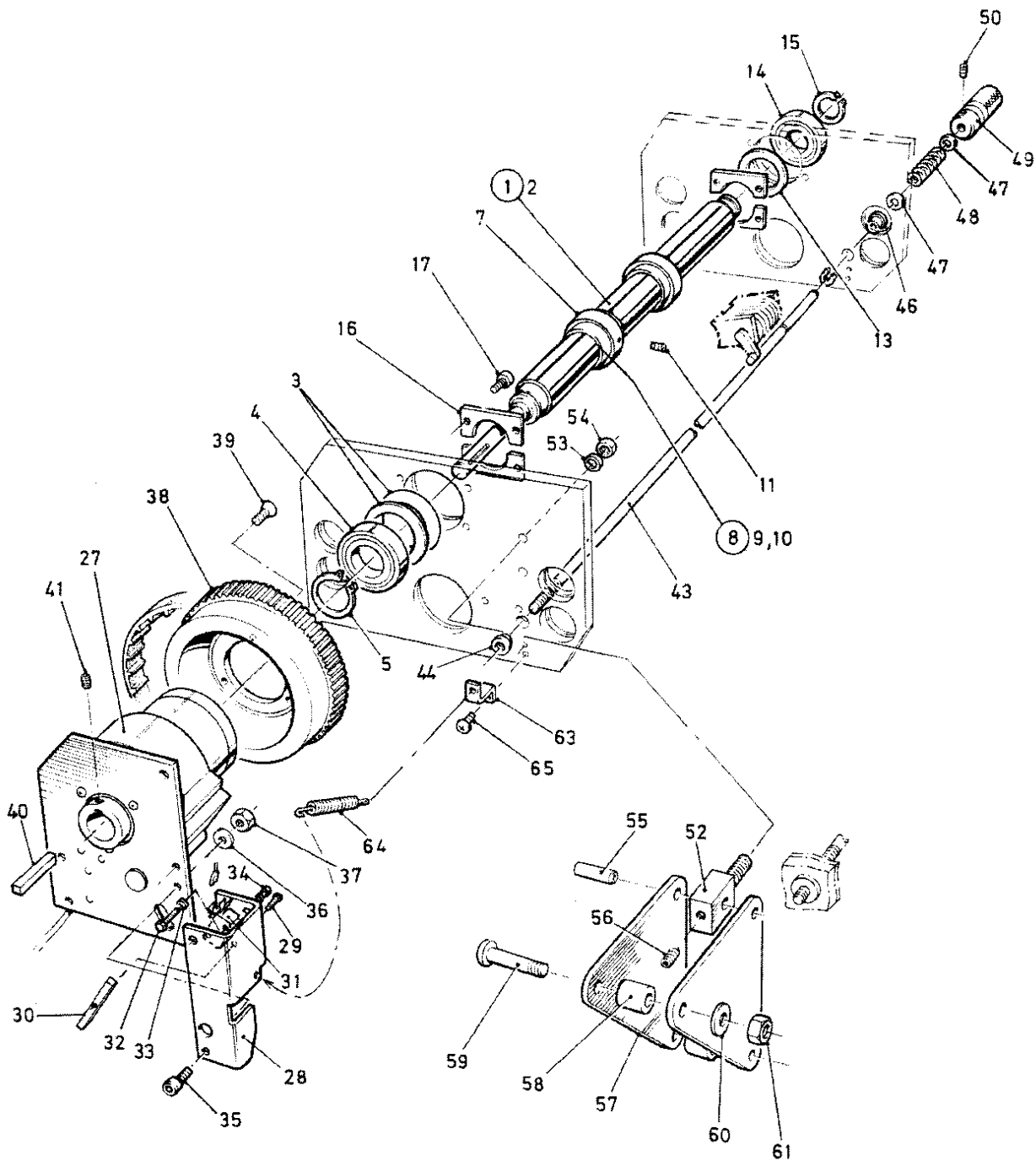
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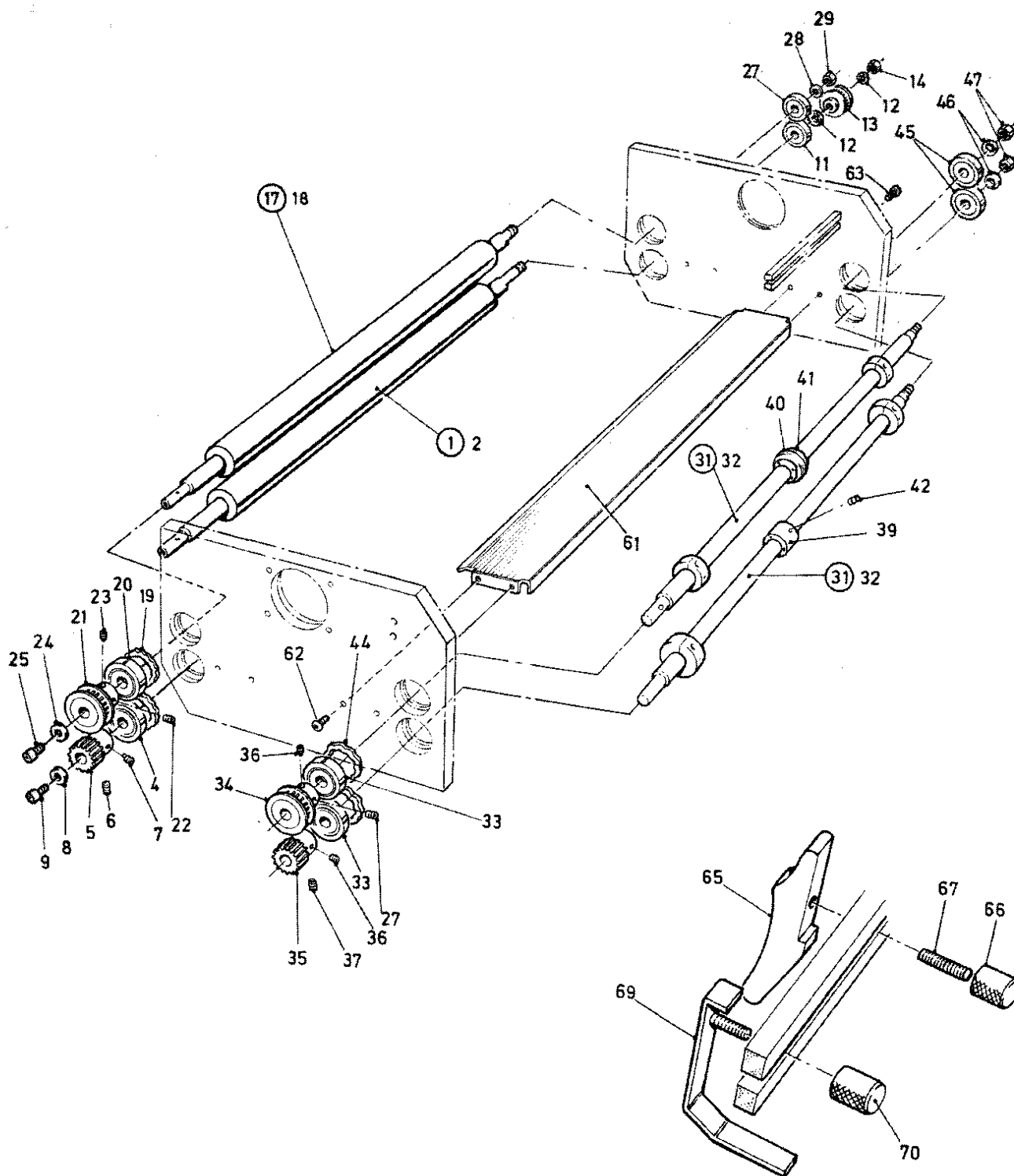
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ITEM	PART NUMBER	QTY	DESCRIPTION
27	51-081-3	1	CLUTCH ASSEMBLY - (CB6 12V)
28	81-010-3	1	REACTION PLATE
29	403-01-030-020	1	SCREW - SOCKET CAP HEAD-M3 x 20 LONG
30	81-019-3	1	MICRO SWITCH OPERATING ARM
31	613-191	1	MICRO SWITCH
32	403-01-030-020	2	SCREW- SOCKET CAP HEAD-M3 x 20 LONG
33	481-030	4	WASHER - PLAIN - M3
34	461-01-030	2	NUT - FULL - M3
35	403-01-060-016	2	SCREW - SOCKET CAP HEAD - M6 x 16 LONG
36	481-060	2	WASHER - PLAIN - M6
37	461-01-060	2	NUT - FULL - M6
38	56-033-3	1	TIMING PULLEY - 72 XL
39	404-01-060-015	3	SCREW - SOCKET C'SUNK M6 x 15 LONG
40	601-045	1	KEY - RECTANGULAR - 6 x 6 x 32 LONG
41	409-01-050-005	1	SCREW - SOCKET SET FLAT - M5 x 5 LONG
42			
43	51-022-3	1	SHAFT - CLUTCH POSITION ADJUSTMENT
44	51-021-3	1	THREAD BEARING
45			
46	602-018	1	PLAIN BEARING - (OILITE - CM 15 - 8)
47	605-004	2	WASHER - NYLON - Ø8 - (W6264)
48	604-010	1	SPRING - COMPRESSION - (LC - 055 - G9)
49	51-023-3	1	KNOB - CLUTCH POSITION ADJUSTMENT
50	407-01-040-005	2	SCREW - SOCKET SET KN. - M4 x 5 LONG
51			
52	51-018-3	1	PIVOT BLOCK - BELLCRANK
53	481-080	1	WASHER - PLAIN - M8
54	461-01-080	1	NUT - FULL - M8
55	603-031	1	DOWEL PIN - Ø6 x 20 LONG
56	407-01-040-005	1	SCREW - SOCKET SET KN. - M4 x 5 LONG
57	51-082-3	2	BELLCRANK
58	51-017-3	2	REACTION COLLAR
59	405-01-060-025	2	SCREW - BUTTON HEAD - M6 x 25 LONG
60	481-060	2	WASHER - PLAIN - M6
61	461-01-060	2	NUT - FULL - M6
62			
63	51-032-3	1	STOP BRACKET
64	604-055	1	SPRING - EXTENSION - (LEM 150 - D8)
65	401-02-040-010	2	SCREW - PAN POZI TAPTITE - M4 x 10 LONG

4



2

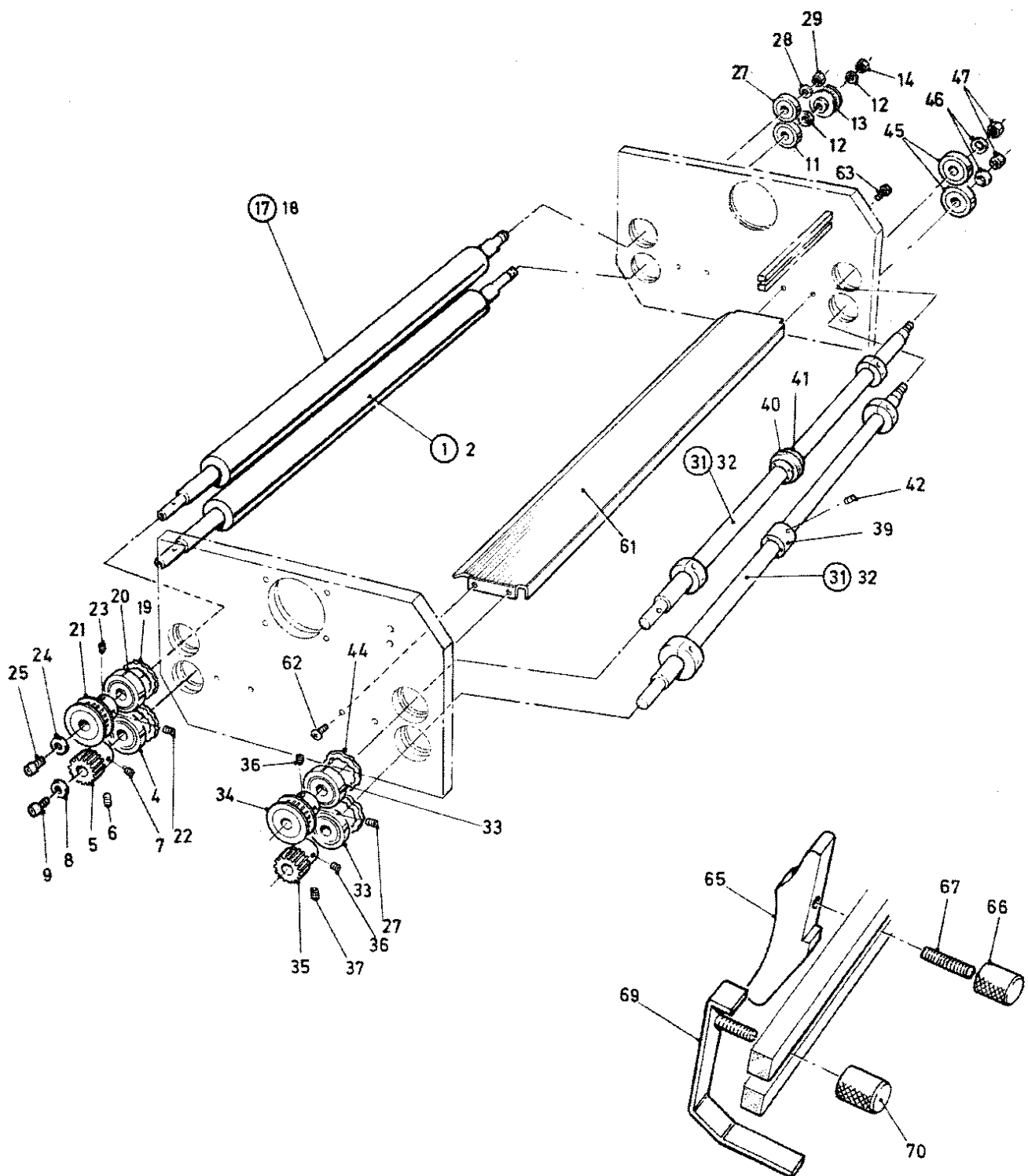
ITEM	PART NUMBER	QTY	DESCRIPTION
①	61-011-56-2	1	INPUT ROLLER - LOWER
2	61-013-58-2	1	♦ <i>Shaft -Input Roller Lower</i>
3	604-049	1	WAVED WASHER
4	602-003	1	BALL BEARING - 6001 ZZ
5	56-004-3	1	TIMING PULLEY 16 XL FLANGELESS
6	409-01-040-004	1	SCREW - SOCKET SET FLAT - M4 x 4 LONG
7	410-01-040-008	1	SCREW - SOCKET SET DOG - M4 x 8 LONG
8	51-095-3	1	CLAMP WASHER
9	403-01-060-012	1	SCREW - SOCKET CAP HEAD - M6 x 12 LONG
10			
11	602-003	1	BALL BEARING 6001 ZZ
12	481-080	2	WASHER - PLAIN - M8
13	66-002-3	1	FEED DRIVE PULLEY 11 XL - FLANGED
14	461-01-080	1	NUT - FULL - M8
15			
16			
①7	61-010-56-2	1	INPUT ROLLER STANDARD
18	61-012-58-2	1	♦ <i>Shaft -Input Roller Standard</i>
19	604-049	1	WAVED WASHER
20	602-003	1	BALL BEARING 6001 ZZ
21	56-003-3	1	TIMING PULLEY 16 XL FLANGED
22	409-01-040-004	1	SCREW - SOCKET SET FLAT - M4 x 4 LONG
23	410-01-040-008	1	SCREW - SOCKET SET DOG - M4 x 8 LONG
24	51-095-3	1	CLAMP WASHER
25	403-01-060-012	1	SCREW - SOCKET CAP HEAD - M6 x 12 LONG
26			
27	602-003	1	BALL BEARING - 6001 ZZ
28	481-080	1	WASHER - PLAIN - M8
29	461-01-080	1	NUT - FULL - M8
30			
③1	51-088-3	2	OUTPUT SHAFT ASSEMBLY
32	51-003-2	2	♦ <i>Output shaft</i>
33	602-003	2	♦ <i>Ball Bearing 6001 ZZ</i>
34	56-003-3	1	TIMING PULLEY 16 XL FLANGED
35	56-004-3	1	TIMING PULLEY 16 XL FLANGELESS
36	409-01-040-004	2	SCREW - SOCKET SET FLAT - M4 X 4 LONG
37	410-01-040-006	2	SCREW - SOCKET SET DOG - M4 X 6 LONG

NOTE....

♦ Items in italics are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES ➤

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ITEM	PART NUMBER	QTY	DESCRIPTION
30			
③①	51-088-3	2	OUTPUT SHAFT ASSEMBLY
32	51-003-2	2	♦ <i>Output shaft</i>
33	602-003	2	♦ <i>Ball Bearing 6001 ZZ</i>
34	56-003-3	1	TIMING PULLEY 16 XL FLANGED
35	56-004-3	1	TIMING PULLEY 16 XL FLANGELESS
36	409-01-040-004	2	SCREW - SOCKET SET FLAT - M4 X 4 LONG
37	410-01-040-006	2	SCREW - SOCKET SET DOG - M4 X 6 LONG
38			
39	08-024-3	5	PERFORATOR DRIVE HUB
40	08-015-3	5	TYRE
41	08-057-3	5	PERFORATOR DRIVE WHEEL
42	409-01-040-006	10	SCREW - SOCKET SET FLAT - M4 X 6 LONG
43			
44	604-049	2	WAVED WASHER - (6001 BEARING)
45	602-003	2	BALL BEARING - 6001 ZZ
46	481-080	2	WASHER - PLAIN - M8
47	461-01-080	2	NUT - FULL - M8
48			
49			
50/59			
60			
61	51-025-2	1	OUTPUT BED
62	401-15-006-312	2	SCREW - PAN POZI PLASTITE - #6 X 5/16" LG
63	401-02-040-008	2	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
64			
65	81-015-3	2	ADVANCE CAM
66	01-115-3	2	UNIVERSAL KNOB BLACK - M5
67	409-01-050-030	2	SCREW - SOCKET SET FLAT - M4 X 30 LONG
68			
69	81-009-3	2	PERFORATOR STRIPPER
70	01-115-3	2	UNIVERSAL KNOB BLACK - M5

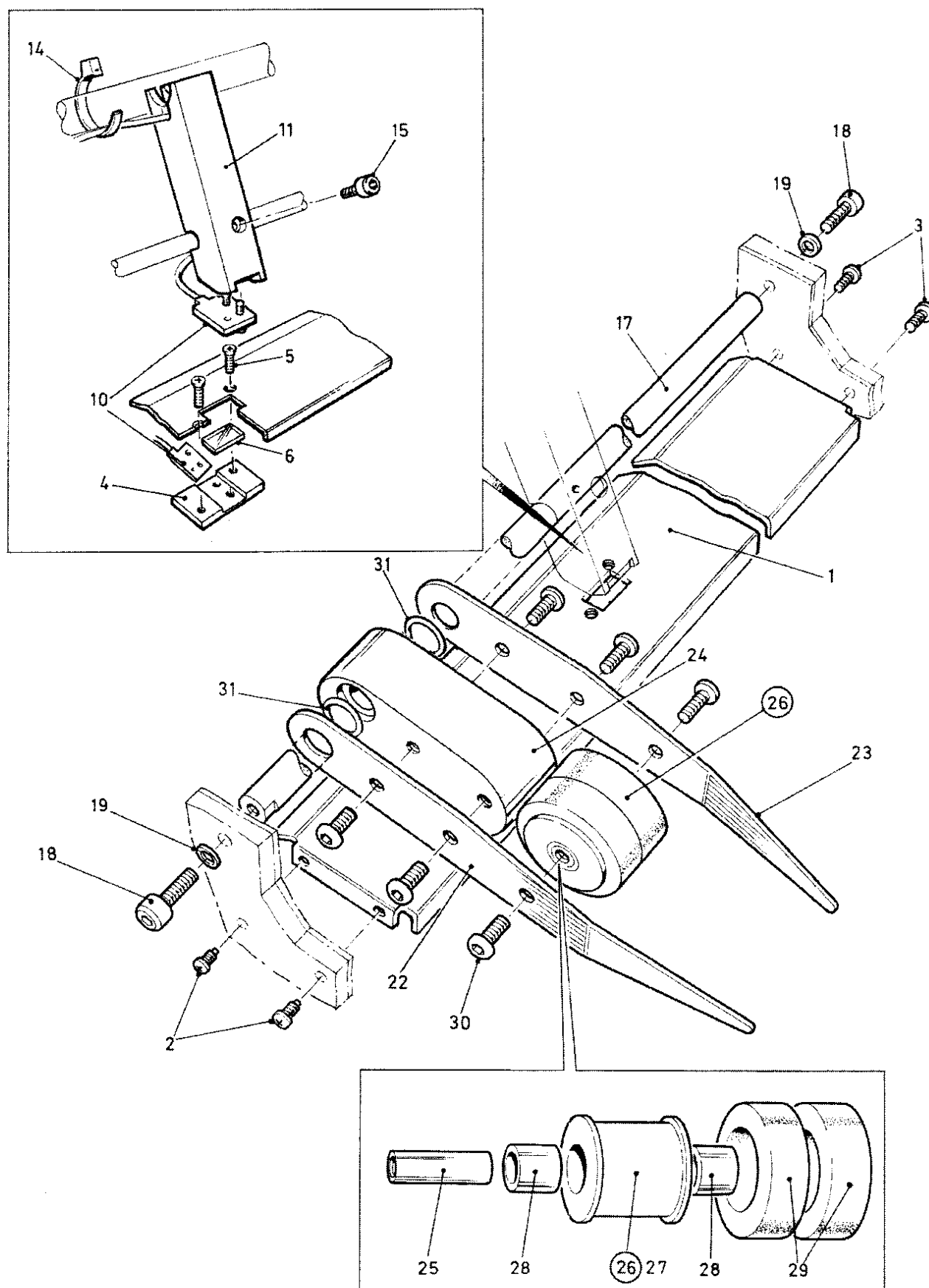
NOTES....

♦ Items in italics are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

TIP....

If you run wide sheets (ie-A3 Landscape) or you use more than two perforating sets on the same Job, you may like to order additional strippers - items 69 & 70 in the above list.

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1

ITEM	PART NUMBER	QTY	DESCRIPTION
1	81-012-1	1	INPUT BED
2	401-15-006-312	2	SCREW - PAN POZI PLASTITE - #6 x 5/16" LG.
3	401-02-040-008	2	SCREW - PAN POZI TAPTITE - M4 x 8 LONG
4	81-020-3	1	SENSOR MOUNTING (LOWER)
5	402-02-030-006	2	SCREW - C.SUNK TAPTITE - M3 x 6 LONG
⑥	81-021-3	1	SENSOR LENS
7			
8			
9			
10	613-310	1	SENSOR SET - (EMITTER & RECEIVER)
11	61-016-3	1	SENSOR MOUNTING - TOP
12	613-152	1	HEAT SHRINK SLEEVING - Ø2,4 - (RS 398-212)
13	613-098	1	PVC SLEEVING - Ø4 - (RS 399 - 502)
14			
15	403-01-030-012	1	SCREW - SOCKET CAP HEAD - M3 x 12 LONG
16			
17	52-009-3	1	SUPPORT SHAFT
18	403-01-060-025	2	SCREW - SOCKET CAP HEAD - M6 x 25 LONG
19	481-060	2	WASHER - PLAIN - M6
20			
21			
22	65-040-4	2	SMOOTHER RAIL - OPERATOR SIDE
23	65-041-4	2	SMOOTHER RAIL - CLUTCH SIDE
24	61-017-4	2	HOLD DOWN SMOOTHER
25	65-043-4	2	SPINDLE - SMOOTHER
②⑥	65-045-ND	2	SMOOTHER WHEEL ASSEMBLY
27	51-030-3	2	♦ <i>Smoother Wheel</i>
28	602-016	4	♦ <i>D U Bush - (MB 0808 DU)</i>
29	08-015-3	4	♦ TYRE
30	405-01-050-010	12	SCREW - BUTTON HEAD - M5 x 10 LONG
31			
32	609-003	4	'O' RING - (202-636)

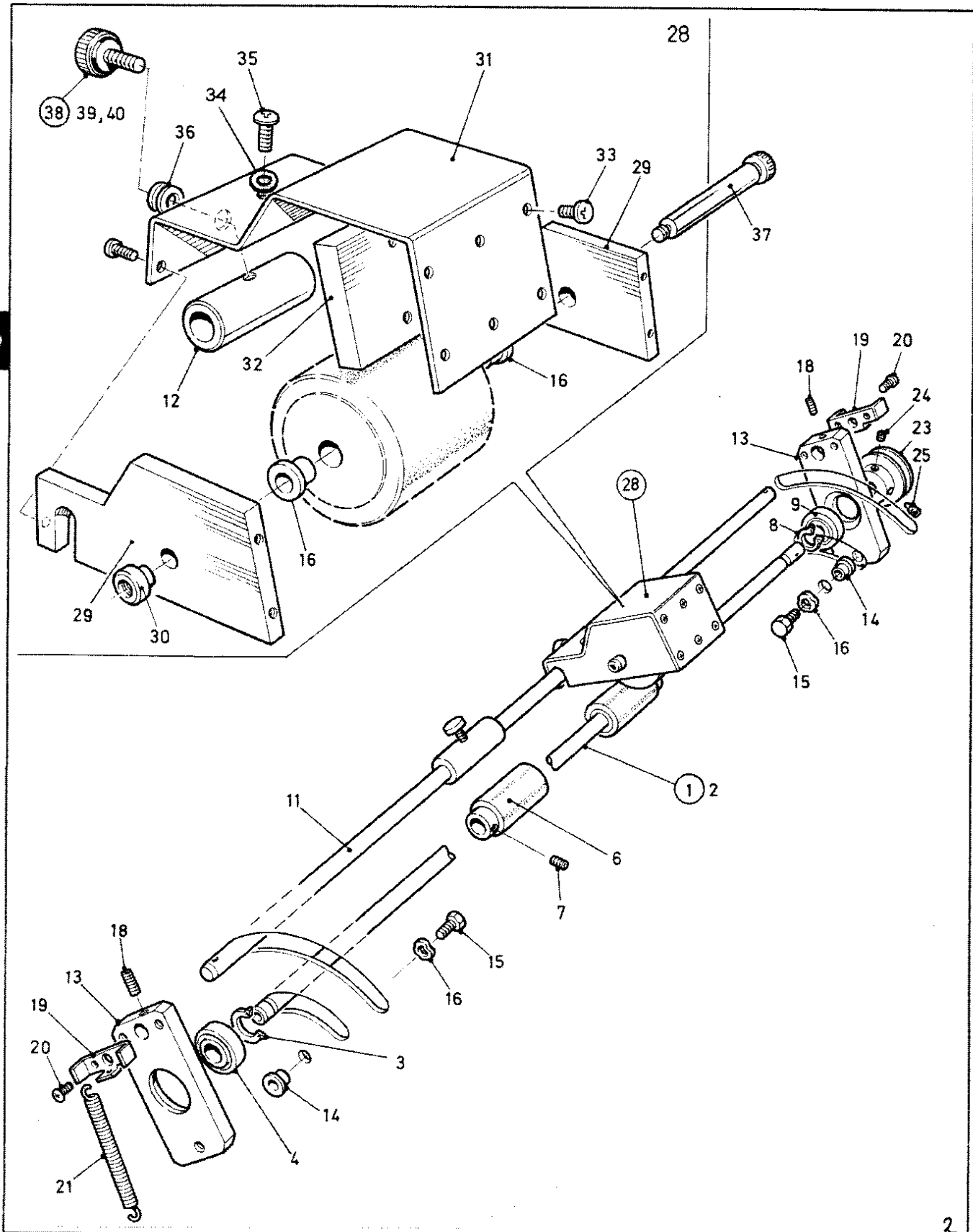
NOTES....

♦ Items in italics are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

TIP....

The upper & lower Sensors (*only available as a matched set* - item 10) are likely to collect dust during use, so before attempting to replace them, ensure they are clean and that all mountings are secure.

6



2

TIP....

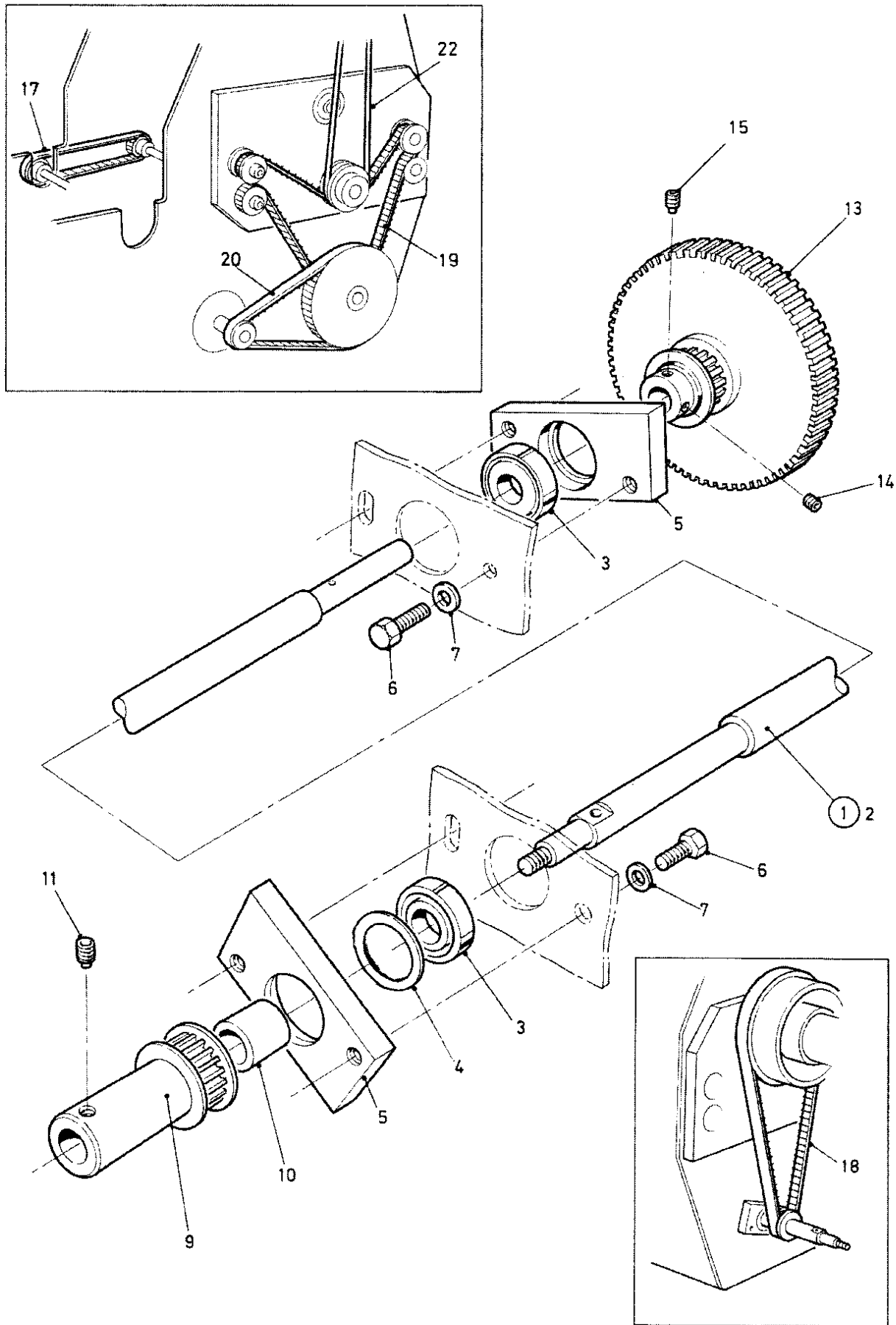
Ink rollers are an accessory, and are available in various colours and types. They may be supplied in your dispatch kit, (see section 21) or from your dealer.

ITEM	PART NUMBER	QTY	DESCRIPTION
①	57-032-3	1	INK TRANSFER SHAFT ASSEMBLY
2	57-003-3	1	♦ <i>Shaft - ink Transfer</i>
3	615-015	1	♦ <i>Circlip - External - (1400-12)</i>
4	602-003	1	♦ <i>Ball Bearing 6001 ZZ</i>
5			
6	57-004-3	2	INK TRANSFER ROLLER
7	409-01-040-004	2	SCREW - SOCKET SET FLAT - M4 x 4 LONG
8	615-015	1	CIRCLIP EXT. 1400-12
9	602-003	1	BALL BEARING 6001 ZZ
10			
11	57-019-3	1	TIE BAR
12	58-005-4	2	LOCATING COLLAR
13	57-001-3	2	SUPPORT ARM
14	602-019	2	PLAIN BEARING - FLANGED - OILITE FCM 8 - 6
15	415-01-060-015	2	SCREW - HEX HEAD SET - M6 x 15 LONG
16	605-006	2	NYLON SHOULDER WASHER - Ø12
17			
18	409-01-040-020	2	SCREW - SOCKET SET FLAT - M4 x 20 LONG
19	57-006-3	2	STOP BRACKET - INKING
20	401-02-040-008	4	SCREW - PAN POZI TAPTITE - M4 x 8 LONG
21	604-015	1	SPRING - EXTENSION - (LE - 041 - C10)
22			
23	56-032-3	1	INKING DRIVE PULLEY
24	409-01-040-004	1	SCREW - SOCKET SET FLAT - M4 x 4 LONG
25	411-01-040-006	1	SCREW - SOCKET SET DOG - M4 x 6 LONG
26/27			
28	58-008-65-ND	2	INKING POD ASSEMBLY
②9	58-002-3	4	♦ <i>Side Arm</i>
30	58-009-4	2	♦ <i>Bush - Ink Pod</i>
31	58-003-3	2	♦ <i>Cover Chassis</i>
32	58-004-4	2	♦ <i>Weight - Rectangular</i>
33	401-02-030-006	16	♦ <i>Screw - Pan Head Taptite - M3 x 6 long</i>
34	481-040	2	WASHER - PLAIN - M4
35	401-02-040-006	2	SCREW - PAN POZI TAPTITE - M4 x 6 LONG
36	601-075	2	GROMMET - Ø5.6 - (4232 AF)
37	608-007	2	SHOULDER BOLT - Ø8 x M6 x 50 LONG
③8	28-009-ND	2	KNOB ASSEMBLY
39	606-021	2	♦ <i>Knurled Knoblet - M5</i>
40	403-01-050-016	2	♦ <i>Screw - Socket Cap Head - M5 x 16 Long</i>

NOTE....

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7



2

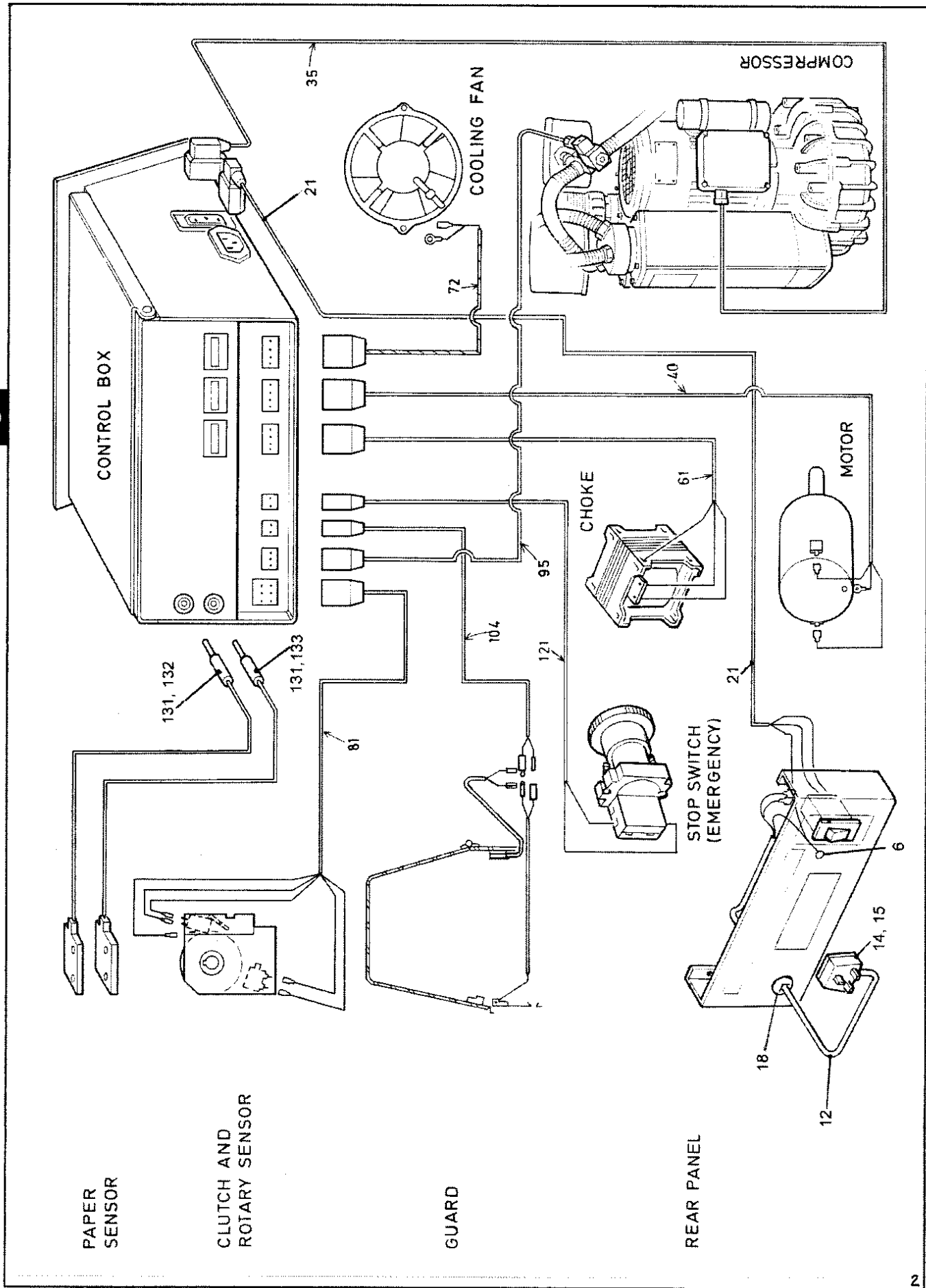
ITEM	PART NUMBER	QTY	DESCRIPTION
①	65-050-ND	1	DRIVE SHAFT ASSEMBLY
2	65-046-2	1	♦ <i>Main Drive Shaft</i>
3	602-003	2	♦ <i>Ball Bearing - 6001 ZZ</i>
4	604-049	1	WAVED WASHER - (6001 BEARING)
5	81-002-3	2	BEARING HOUSING - (DRIVE SHAFT)
6	415-01-060-016	4	SCREW - HEX HEAD SET - M6 X 16 LONG
7	481-060	4	WASHER - PLAIN - M6
8			
9	65-048-3	1	TIMING PULLEY - 16 XL FLANGED - EXTENDED
10	65-047-X	1	SPACER
11	411-01-050-006	1	SCREW - SOCKET SET DOG - M5 X 6 LONG
12			
13	66-001-3	1	MAIN DRIVE PULLEY
14	409-01-040-004	1	SCREW - SOCKET SET FLAT - M4 X 4 LONG
15	410-01-040-006	1	SCREW - SOCKET SET DOG - M4 X 6 LONG
16			
17	607-017	1	TIMING BELT - 120 XL 037
18	607-001	1	TIMING BELT - 260 XL 037
19	607-014	1	TIMING BELT - TWIN GRIP - D280 XL 037
20	607-016	1	TIMING BELT - 190 XL 037
21			
22	66-010-3	1	POLY CORD BELT - Ø 5 X 430 LONG
□			

NOTES....

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TIP....

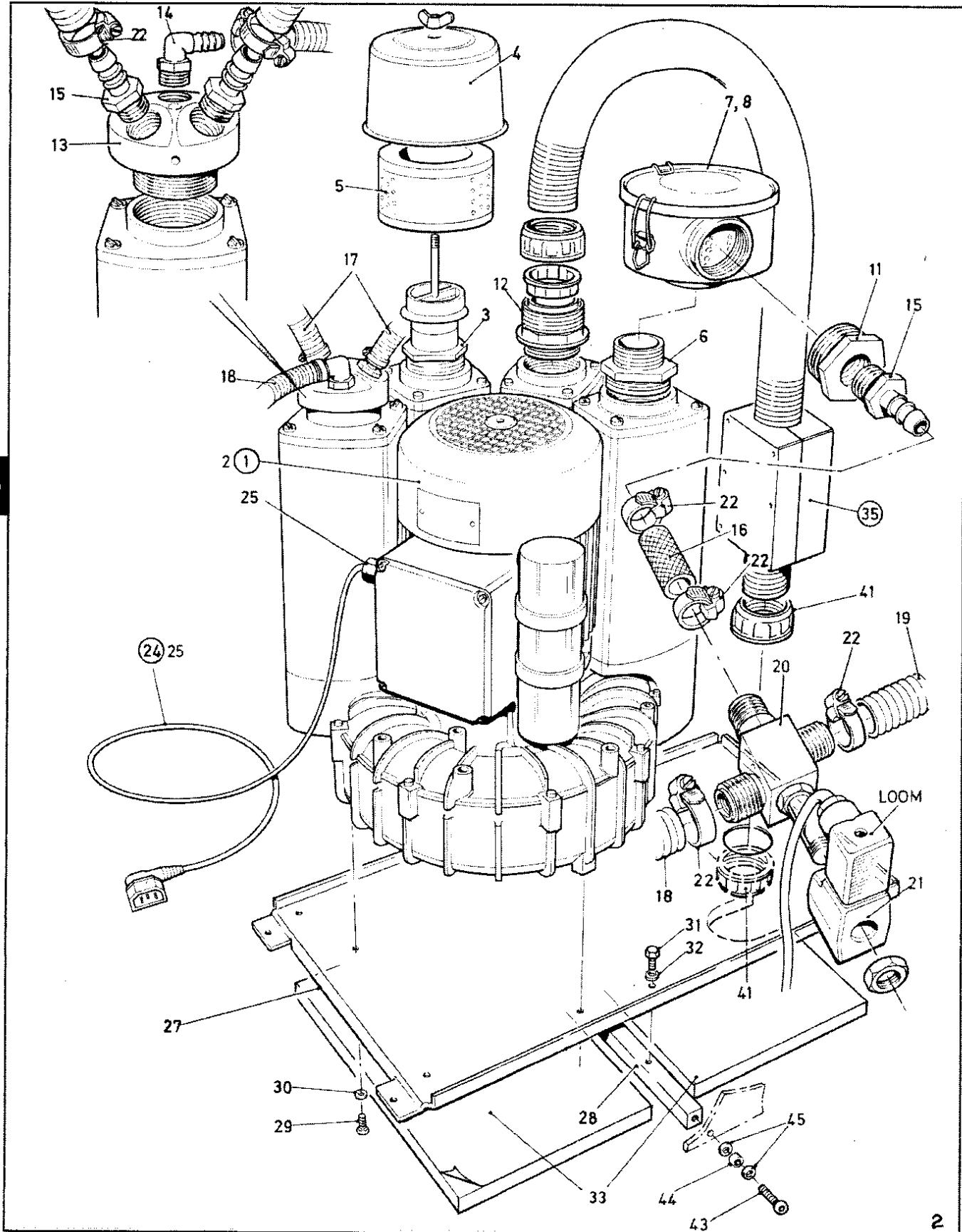
The Timing & Drive Belts (items 17 to 22) used to drive your machine are precision components but are subject to wear and deterioration in normal use. In order to minimise down time, you may like to keep a spare set handy.



ITEM	PART NUMBER	QTY	DESCRIPTION
6	401-02-040-016	1	SCREW - PAN POZI TAPTITE - M4 x 16 LONG
12	65-082-01	1	MAINS LEAD - UK
14	613-038	1	PLUG-13 AMP 3 PIN
15	613-330	1	FUSE-13 AMP
18	613-138	1	STRAIN RELIEF BUSH
21	65-082-04	1	INPUT LEAD (CEE 22)
35	65-082-07 (Ref)	1	Compressor Lead (CEE 22) - (SEE 6-20-11)
40	65-082-10	1	MOTOR LEAD
61	65-082-13	1	CHOKE LEAD
72	65-082-16	1	FAN LEAD
75	613-154	3	PLUG - 4 WAY TRIDENT
76	613-155	3	HOOD - 4 WAY TRIDENT
81	65-082-19	1	CLUTCH & ROTATION SENSOR LEAD
90	613-212	1	PLUG - 6-WAY TRIDENT
91	613-209	1	HOOD - 6 WAY TRIDENT
95	65-082-24	1	VALVE LEAD
96	613-258	1	CONNECTOR - SOLENOID
99	613-254	1	PLUG - 3 WAY TRIDENT
100	613-267	1	HOOD - 3 WAY TRIDENT
104	65-082-26	1	GUARD LEAD
113			
121	65-082-28	1	STOP SWITCH LEAD
124	613-070	2	PLUG - 2 WAY TRIDENT
125	613-071	2	HOOD - 2 WAY TRIDENT
131	613-322	2	PHONO CONNECTOR - SENSORS
132	613-323	1	CODING RING - RED
137	613-324	1	CODING RING - BLACK
140	613-029	A/R	CABLE TIE MOUNTING (149-341)
141	613-027	A/R	CABLE TIE

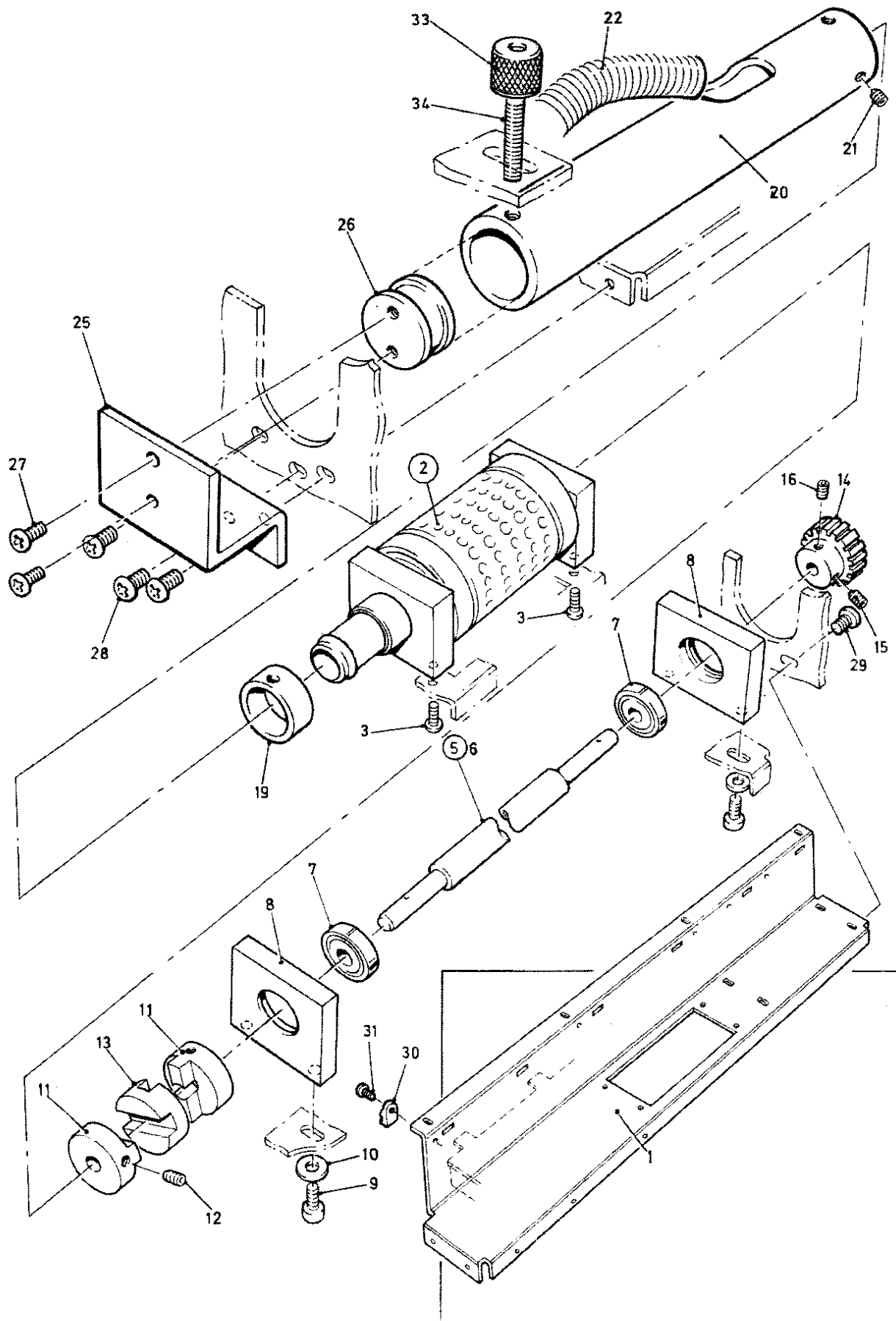
NOTES....

Many items used in the Wiring Loom are not available as spare parts so have not been included in the above list and the item numbers reflect this.

**NOTE....**

- ◆ Items in *italics* (*in the list on the following page*) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

ITEM	PART NUMBER	QTY	DESCRIPTION
①	65-052-ND	1	COMPRESSOR ASSEMBLY 50HZ
2	621-001	1	♦ Compressor SV5/190/5 - 220v - 50HZ
3	611-030	1	♦ Reducer - 2" Male x 1¼" Male BSP
4	611-031	1	♦ Inlet Filter Housing
5	611-034	1	♦ FILTER ELEMENT
6	611-035	1	♦ Reducing Bush- 2" Male x 1¼" Male BSP
7	611-033	1	♦ Inline Filter Housing
8	611-034	1	♦ FILTER ELEMENT
9/10			
11	611-022	1	REDUCING BUSH- 2" MALE X 1¼" FEMALE BSP
12	611-037	1	HOSE FITTING - 2" BSP (ELECTROFLEX)
13	13-068-2	1	COMPRESSOR ADAPTOR
14	611-003	1	ELBOW SOCKET (NORMA - WES19/R¾")
15	611-002	3	STRAIGHT SOCKET NORMA - GES19R¾")
16	13-066-3	1	HOSE - ¾" DIA. REINFORCED
17	67-030-X	2	HOSE - MANIFOLD - (1100mm long - X1001-3)
18	67-032-X	1	HOSE - SOLENOID - (300mm long - X1001-3)
19	16-045-X	1	HOSE - VACUUM - (2200mm long - X1001-3)
⑳	04-036-3	1	VALVE BODY & NUT ASSEMBLY
21	613-255	1	SOLENOID COIL 24V
22	612-001	6	JUBILEE CLIP -(SIZE 0X)
23			
24	65-082-07	1	COMPRESSOR LEAD
㉑	613-022	1	♦ Cable CEE 22 G 20 (RS 542-172)
26			
27	65-025-0	1	COMPRESSOR BRIDGE SUPPORT
28	65-049-3	1	COMPRESSOR SUPPORT BAR
29	415-01-060-012	3	SCREW - HEX HEAD SET - M6 X 12 LONG
30	481-060	3	WASHER - PLAIN - M6
31	415-01-080-012	2	SCREW - HEX HEAD SET - M8 X 12 LONG
32	481-080	2	WASHER - PLAIN - M8
33	61-022-A	1	PADS - NOISE REDUCTION - (SET)
34			
㉓	61-018-A	1	SILENCER ASSEMBLY - FSN
36	61-019-A	1	♦ Silencer Box
37	601-077	1	♦ ♦ ABS Moulded Box (RS505-577)
38	61-020-B	1	♦ Silencer Hose - (700mm)
39	619-012	-	♦ ♦ Hose - Ø 50mm Bore (Electroflex)
40	61-021-B	2	♦ Accoustic Foam Insert
41	611-047	2	KWICK-LOCK CONNECTOR
42			
43	405-01-080-020	2	SCREW - BUTTON HEAD - M8 X 20 LONG
44	65-051-4	2	SPACER
45	481-080	4	WASHER - PLAIN - M8

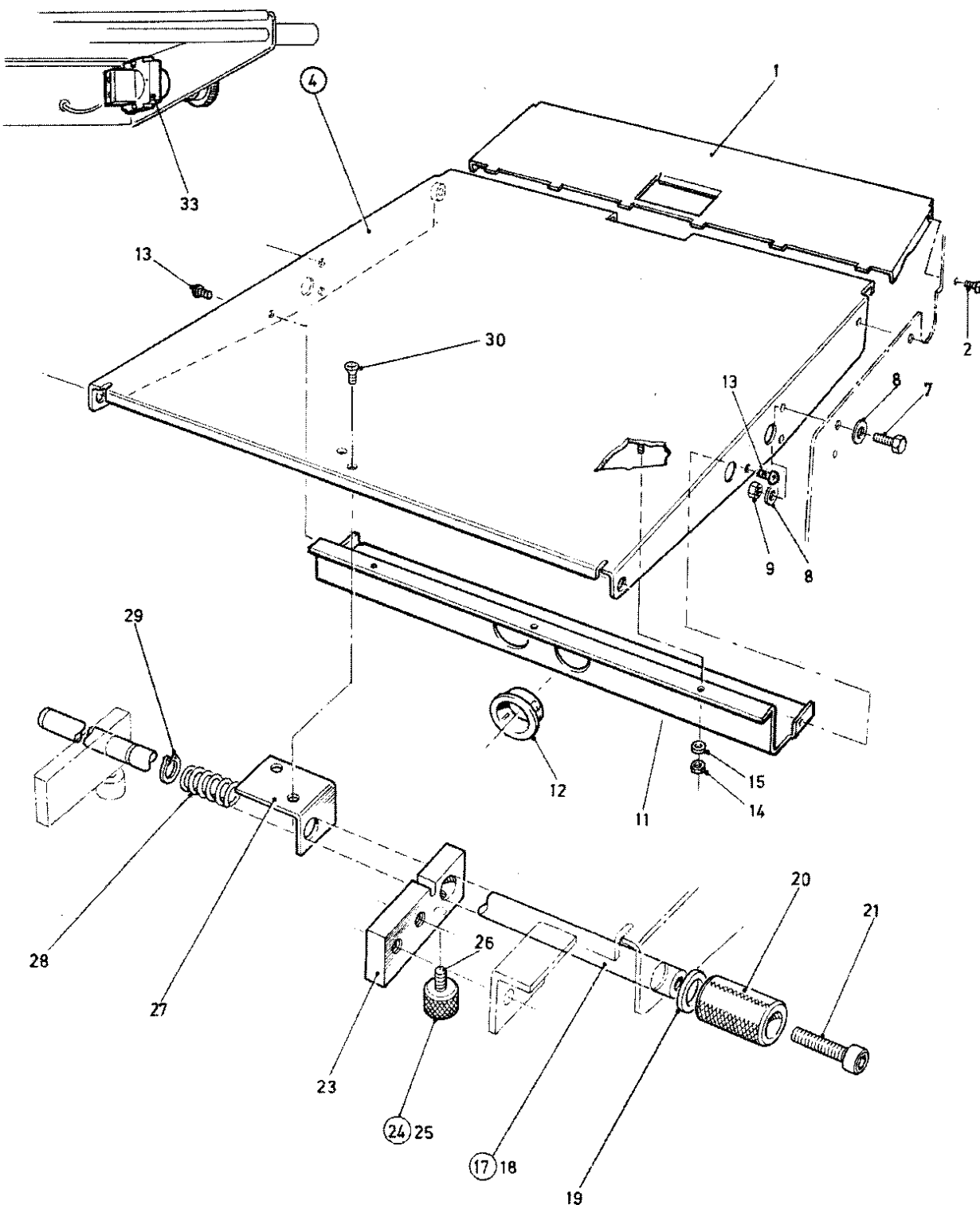


ITEM	PART NUMBER	QTY	DESCRIPTION
1	65-026-1	1	BED STIFFENER-FSN II
②	1-12-01P	1	VACUUM ROLLER ASSEMBLY.
3	401-02-050-010	4	SCREW - PAN POZI TAPTITE - M5 X 10 LONG
4			
⑤	66-019-3	1	DRIVE SHAFT ASSEMBLY - VACUUM ROLLER
6	66-004-3	1	♦ <i>Drive Shaft - Feed Drive</i>
7	602-002	2	BALL BEARING 608 ZZ
8	66-011-3	2	BEARING HOUSING - FEED DRIVE
9	403-01-050-012	4	SCREW - SOCKET CAP HEAD - M5 X 12 LONG
10	481-050	4	WASHER - PLAIN - M5
11	607-006	2	HUB - COUPLING Ø8 BORE (HUCO 232-25-28)
12	407-01-040-006	4	SCREW - SOCKET SET KN. - M4 X 6 LONG
13	607-008	1	TORQUE DISC - COUPLING (HUCO 237.25)
14	66-005-3	1	TIMING PULLEY - 22 XL FEED DRIVE
15	410-01-040-008	1	SCREW - SOCKET SET DOG - M4 X 8 LONG
16	407-01-040-006	1	SCREW - SOCKET SET FLAT - M4 X 6 LONG
17			
18			
19	12-010-3	1	RING - CHOKE CONTROL
20	65-037-3	1	CONNECTING TUBE
21	407-01-060-006	2	SCREW - SOCKET SET KN - M6 X 6 LONG
22	67-045-X	1	HOSE - VAC. ROLLER (600mm Long - X1001-3)
23	619-006	-	<i>Hose - Ø 20mm Bore (Electroflex)</i>
24			
25	65-039-3	1	SUPPORT BRACKET - CONNECTING TUBE
26	65-038-3	1	SUPPORT HUB
27	401-02-040-008	2	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
28	401-02-050-010	3	SCREW - PAN POZI TAPTITE - M5 X 10 LONG
29	401-02-050-008	2	SCREW - PAN POZI TAPTITE - M5 X 8 LONG
30	613-339	5	CABLE TIE MOUNTING EYELET
31	401-02-040-006	5	SCREW - PAN POZI TAPTITE - M4 X 6 LONG

NOTE....

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TIP....

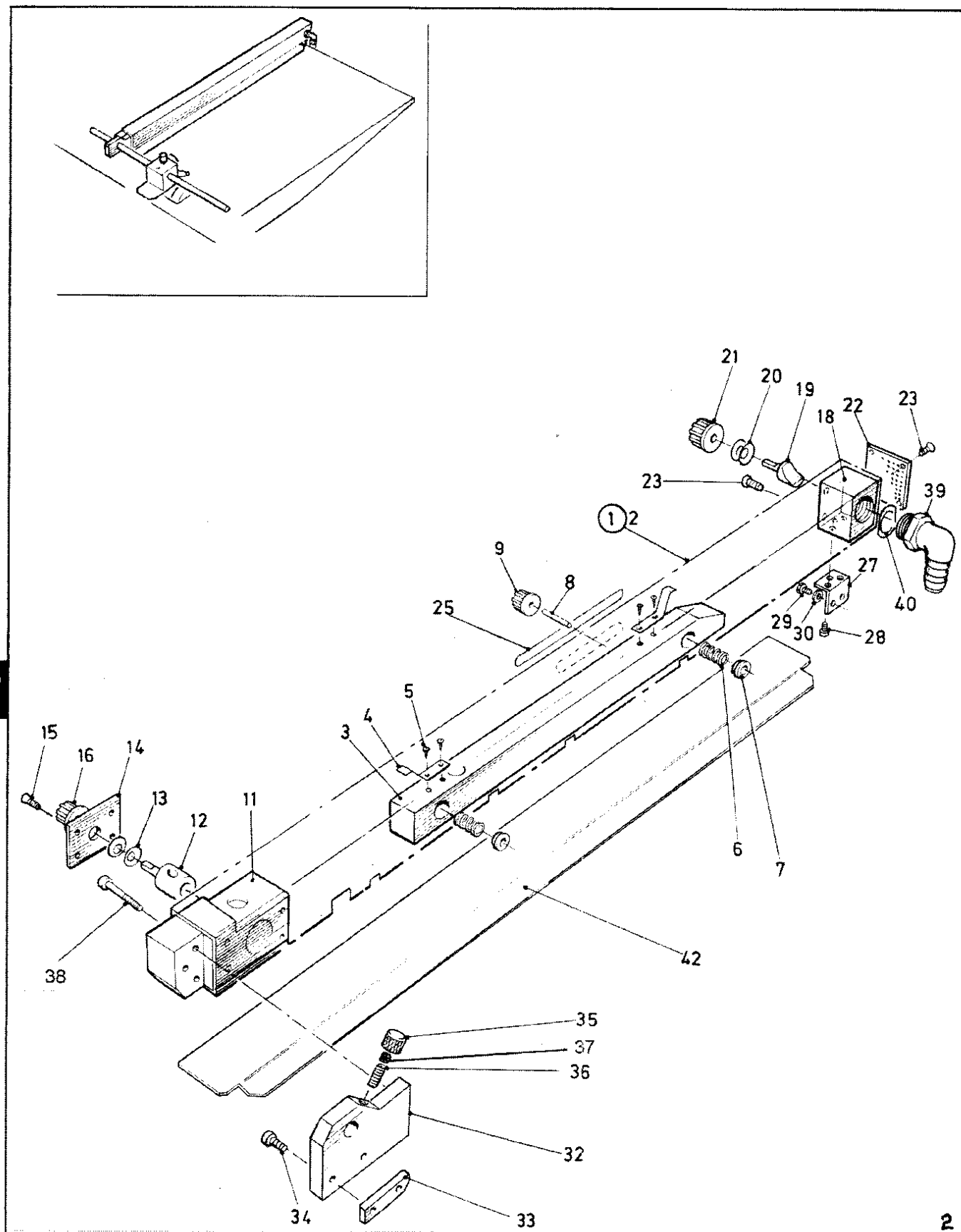


ITEM	PART NUMBER	QTY	DESCRIPTION
1	68-002-1	1	FEED BED
2	401-02-040-010	2	SCREW - PAN POZI TAPTITE - M4 X 10 LONG
3			
④	68-018-2	1	LOADING TABLE ASSEMBLY - METRIC SCALE
5			
6			
7	415-01-080-016	6	SCREW - HEX HEAD SET - M8 X 16 LONG
8	481-080	10	WASHER - PLAIN - M8
9	461-01-080	4	NUT - FULL - M8
10			
11	65-079-2	1	HOSE SUPPORT BEAM - EXTENDED
12	601-015	2	HOLE BUSH (SNAP 2240)
13	401-02-040-008	2	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
14	461-01-040	3	NUT - FULL - M4
15	481-040	3	WASHER - PLAIN - M4
16			
①⑦	68-021-3	1	MANIFOLD SHAFT ASSEMBLY
18	68-008-2	1	♦ <i>Manifold Shaft</i>
19	605-022	1	♦ <i>Nylon Washer</i>
20	68-010-3	1	♦ <i>Adjustment Knob - Rear</i>
21	403-01-060-030	1	♦ <i>Screw - Socket Cap Head - M6 x 30 Long</i>
22			
23	67-013-3	2	MOUNTING LINK
②④	28-004-2	2	KNOB ASSEMBLY M6 X 15 BLACK
25	01-113-3	2	♦ <i>Universal Knob Black - M6</i>
26	409-01-060-030	2	♦ <i>Screw - Socket Set Flat - M6 x 30 Long</i>
27	68-009-3	1	SUPPORT BRACKET - ADJUSTMENT SHAFT
28	604-007	1	SPRING - COMPRESSION - (LC 063 - H8)
29	615-015	1	CIRCLIP - EXTERNAL - (1400 - 12)
30	402-02-030-008	2	SCREW - C.SUNK POZI TAPTITE - M3 X 8 LONG
31			
32			
33	613-319	1	EMERGENCY STOP SWITCH
34			

NOTE....

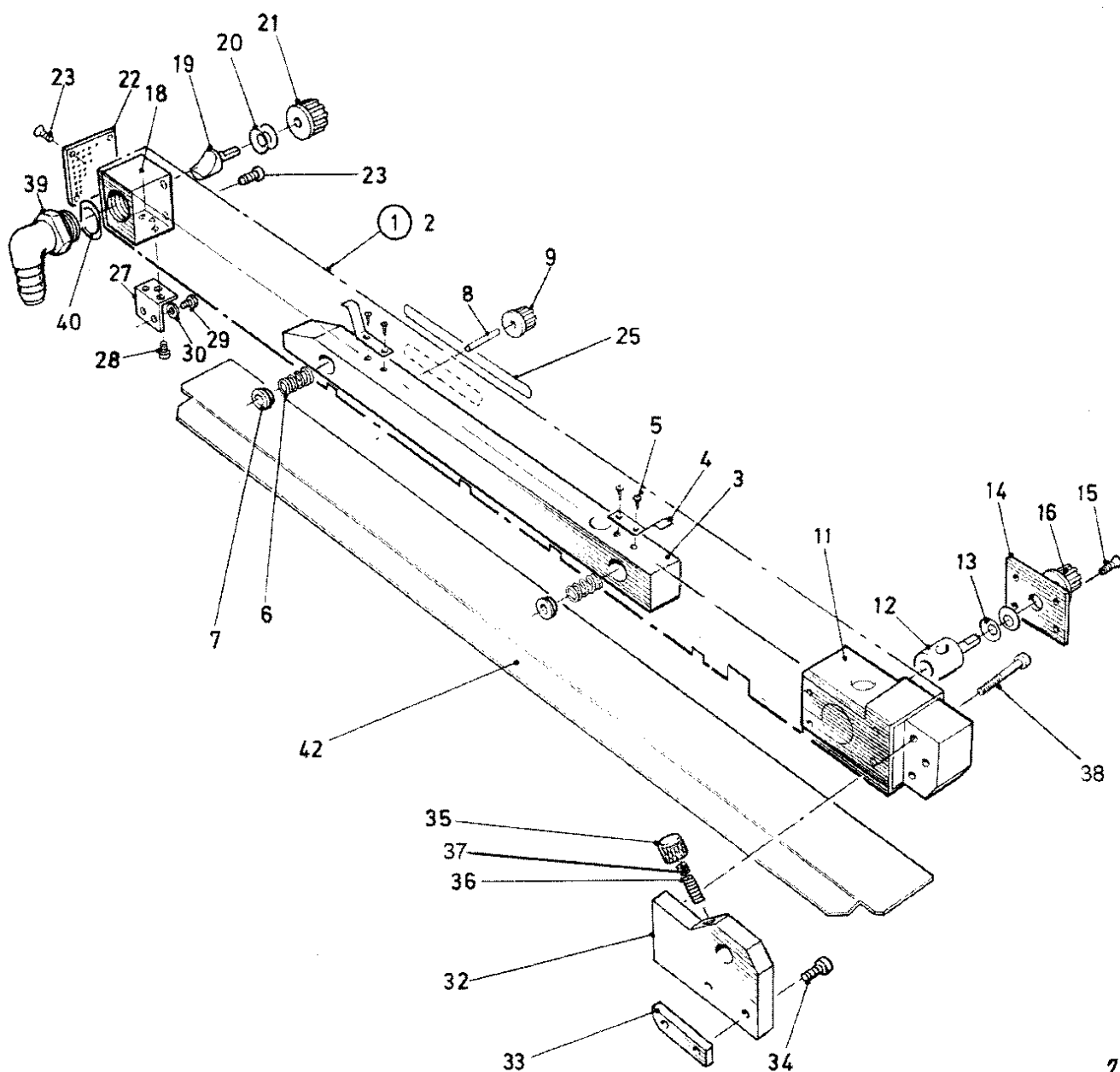
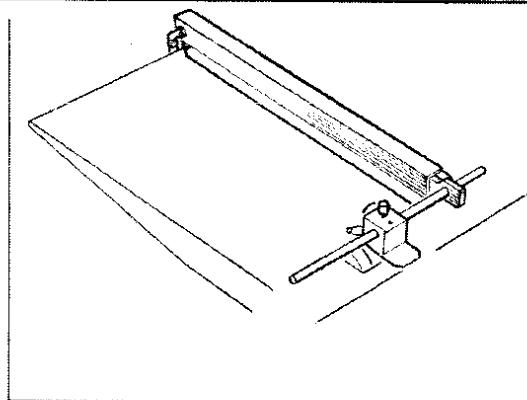
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TIP....

**NOTE....**

- ◆ Items in *italics* (*in the list on the following page*) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

ITEM	PART NUMBER	QTY	DESCRIPTION
①	67-037-65-ND	1	MANIFOLD ASSEMBLY - OPERATOR SIDE
2	67-041-1	1	♦ Manifold - Operator Side (Single Port)
3	67-021-1	1	♦ Slide Valve - Operator Side
4	13-011-3	2	♦ Slide Spring
5	401-15-006-375	4	♦ Screw - Pan Pozi Self Tap - #6 x 3/8" LG
6	604-002	2	♦ Spring - Compression - (LC - 045 - H5)
7	605-006	2	♦ Nylon Shoulder Washer - Ø 12mm
8	603-010	1	♦ Dowel Pin - Ø6 x 40 Long
9	606-008	1	♦ INSTRUMENT KNOB (4153 K2 BLACK)
10			
11	67-043-2	1	♦ Valve Block Operator Side (Single Port)
12	13-012-3	1	♦ Valve Spool
13	604-037	2	♦ Disc Spring
14	67-044-3	1	♦ Valve Cover Plate (Single Port)
15	402-02-030-012	4	♦ Screw - C.Sunk Pozi Taptite M3 x 12 Long
16	606-007	1	♦ INSTRUMENT KNOB (4153 K1 BLACK)
17			
18	67-009-2	1	♦ Bleed Valve -Operator Side
19	67-010-3	1	♦ Spool - Bleed Valve
20	604-024	1	♦ Disc Spring - Ø 6.2 X Ø9.8
21	606-007	1	♦ INSTRUMENT KNOB (4153 K1 BLACK)
22	67-016-3	1	♦ Outlet Screen
23	402-02-030-012	6	♦ Screw - C.Sunk Pozi Taptite M3 x 12 Long
24			
25	13-030-4	1	LABEL - A4 - A2 - OPERATOR SIDE
26			
27	67-012-3	1	MANIFOLD MOUNTING BRACKET
28	401-02-040-008	3	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
29	415-01-060-010	2	SCREW - HEX HEAD SET - M6 X 10 LONG
30	481-060	2	WASHER - PLAIN - M6
31			
32	67-005-3	1	MANIFOLD SUPPORT - OPERATOR SIDE.
33	67-018-3	1	PAPER GUIDE - SHORT
34	403-01-040-015	2	SCREW - SOCKET CAP HEAD - M4 X 15 LONG
35	01-113-3	1	UNIVERSAL KNOB BLACK - M6
36	409-01-060-016	1	SCREW - SOCKET SET FLAT - M6 X 16 LONG
37	409-01-060-006	1	SCREW - SOCKET SET FLAT - M6 X 6 LONG
38	403-01-050-025	3	SCREW - SOCKET CAP HEAD - M6 X 16 LONG
39	611-003	1	ELBOW SOCKET (NORMA - WES19/R¾")
40	67-023-3	1	LOCKING SPACER
41			
42	67-022-2	1	♦ MEMBRANE - SHORT
43	616-001	1	♦ ♦ Transfer Adhesive - 25mm - Type 927
44	616-002	1	♦ ♦ Transfer Adhesive - 12mm - Type 927

**NOTE....**

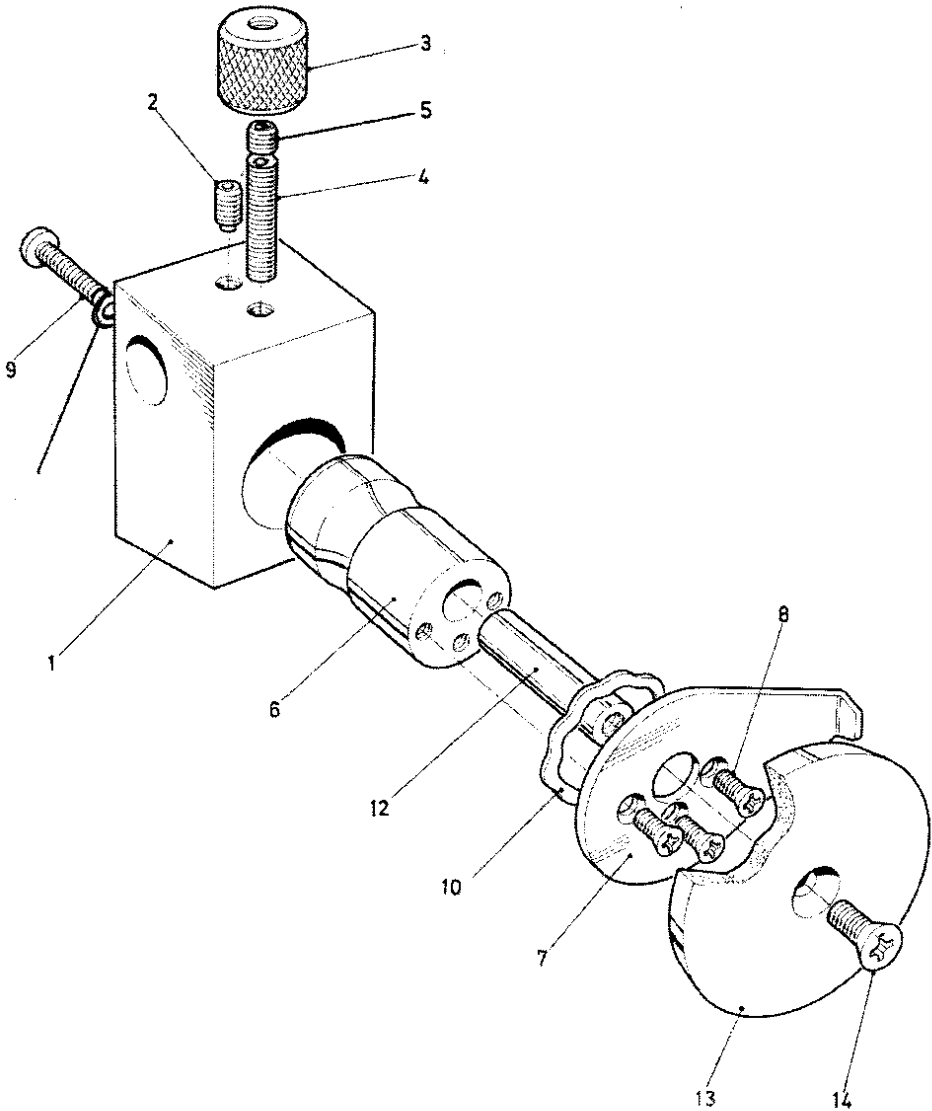
- ♦ Items in *italics* (*in the list on the following page*) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

ITEM	PART NUMBER	QTY	DESCRIPTION
①	67-038-65-ND	1	MANIFOLD ASSEMBLY - DRIVE SIDE
2	67-040-1	1	♦ <i>Manifold - Drive Side (Single Port)</i>
3	67-020-1	1	♦ <i>Slide Valve - Drive Side</i>
4	13-011-3	2	♦ <i>Slide Spring</i>
5	401-15-006-375	4	♦ <i>Screw - Pan Pozi Self Tap - #6 x 3/8" LG</i>
6	604-002	2	♦ <i>Spring - Compression - (LC - 045 - H5)</i>
7	605-006	2	♦ <i>Nylon Shoulder Washer - Ø 12mm</i>
8	603-010	1	♦ <i>Dowel Pin - Ø6 x 40 Long</i>
9	606-008	1	♦ INSTRUMENT KNOB (4153 K2 BLACK)
10			
11	67-042-2	1	♦ <i>Valve Block Drive Side (Single Port)</i>
12	13-012-3	1	♦ <i>Valve Spool</i>
13	604-037	2	♦ <i>Disc Spring</i>
14	67-044-3	1	♦ <i>Valve Cover Plate (Single Port)</i>
15	402-02-030-012	4	♦ <i>Screw - C.Sunk Pozi Taptite M3 x 12 Long</i>
16	606-007	1	♦ INSTRUMENT KNOB (4153 K1 BLACK)
17			
18	67-008-2	1	♦ <i>Bleed Valve - Drive Side</i>
19	67-010-3	1	♦ <i>Spool - Bleed Valve</i>
20	604-024	1	♦ <i>Disc Spring - Ø 6.2 X Ø9.8</i>
21	606-007	1	♦ INSTRUMENT KNOB (4153 K1 BLACK)
22	67-016-3	1	♦ <i>Outlet Screen</i>
23	402-02-030-012	6	♦ <i>Screw - C.Sunk Pozi Taptite M3 x 12 Long</i>
24			
25	13-031-4	1	LABEL - A2 - A4 - DRIVE SIDE
26			
27	67-012-3	1	MANIFOLD MOUNTING BRACKET
28	401-02-040-008	3	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
29	415-01-060-010	2	SCREW - HEX HEAD SET - M6 X 10 LONG
30	481-060	2	WASHER - PLAIN - M6
31			
32	67-006-3	1	MANIFOLD SUPPORT - DRIVE SIDE
33	67-018-3	1	PAPER GUIDE - SHORT
34	403-01-040-015	2	SCREW - SOCKET CAP HEAD - M4 X 15 LONG
35	01-113-3	1	UNIVERSAL KNOB BLACK - M6
36	409-01-060-016	1	SCREW - SOCKET SET FLAT - M6 X 16 LONG
37	409-01-060-006	1	SCREW - SOCKET SET FLAT - M6 X 6 LONG
38	403-01-050-025	3	SCREW - SOCKET CAP HEAD - M6 X 16 LONG
39	611-003	1	ELBOW SOCKET (NORMA - WES19/R ³ / ₄ ")
40	67-023-3	1	LOCKING SPACER
41			
42	67-022-2	1	♦ MEMBRANE - SHORT
43	616-001	1	♦ <i>Transfer Adhesive - 25mm - Type 927</i>
44	616-002	1	♦ <i>Transfer Adhesive - 12mm - Type 927</i>

ITEM	PART NUMBER	QTY	DESCRIPTION
1	48-001-3	1	PAPERGATE HOUSING
2	407-01-060-006	1	SCREW - SOCKET SET KN - M6 X 6 LONG
3	01-119-3	1	UNIVERSAL KNOB SILVER - M6
4	409-01-060-025	1	SCREW - SOCKET SET FLAT - M6 X 25 LONG
5	409-01-060-006	1	SCREW - SOCKET SET FLAT - M6 X 6 LONG
6	48-002-3	1	PAPERGATE DRUM
7	48-004-3	1	ADJUSTER PLATE
8	402-02-030-008	3	SCREW - C.SUNK POZI TAPTITE - M3 X 8 LONG
9	405-01-060-030	1	SCREW - BUTTON HEAD - M6 X 30 LONG
10	604-047	1	WAVED WASHER - Ø25
11	481-050	1	WASHER - PLAIN - M5
12	48-003-3	1	PAPERGATE SPINDLE
13	48-005-3	1	ROTARY PAPERGATE
14	404-01-050-012	1	SCREW - SOCKET C'SUNK - M5 X 12 LONG

2

15

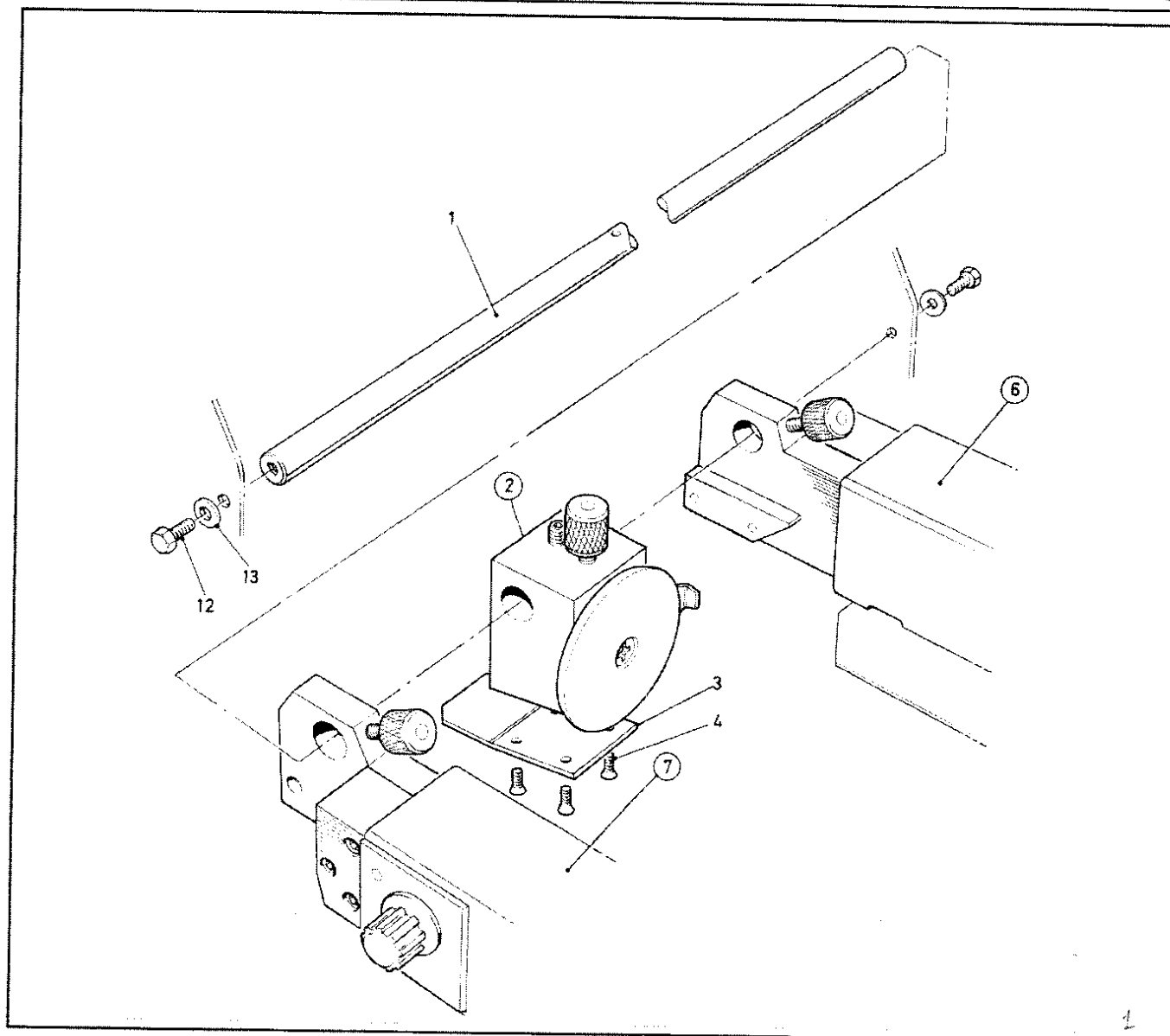


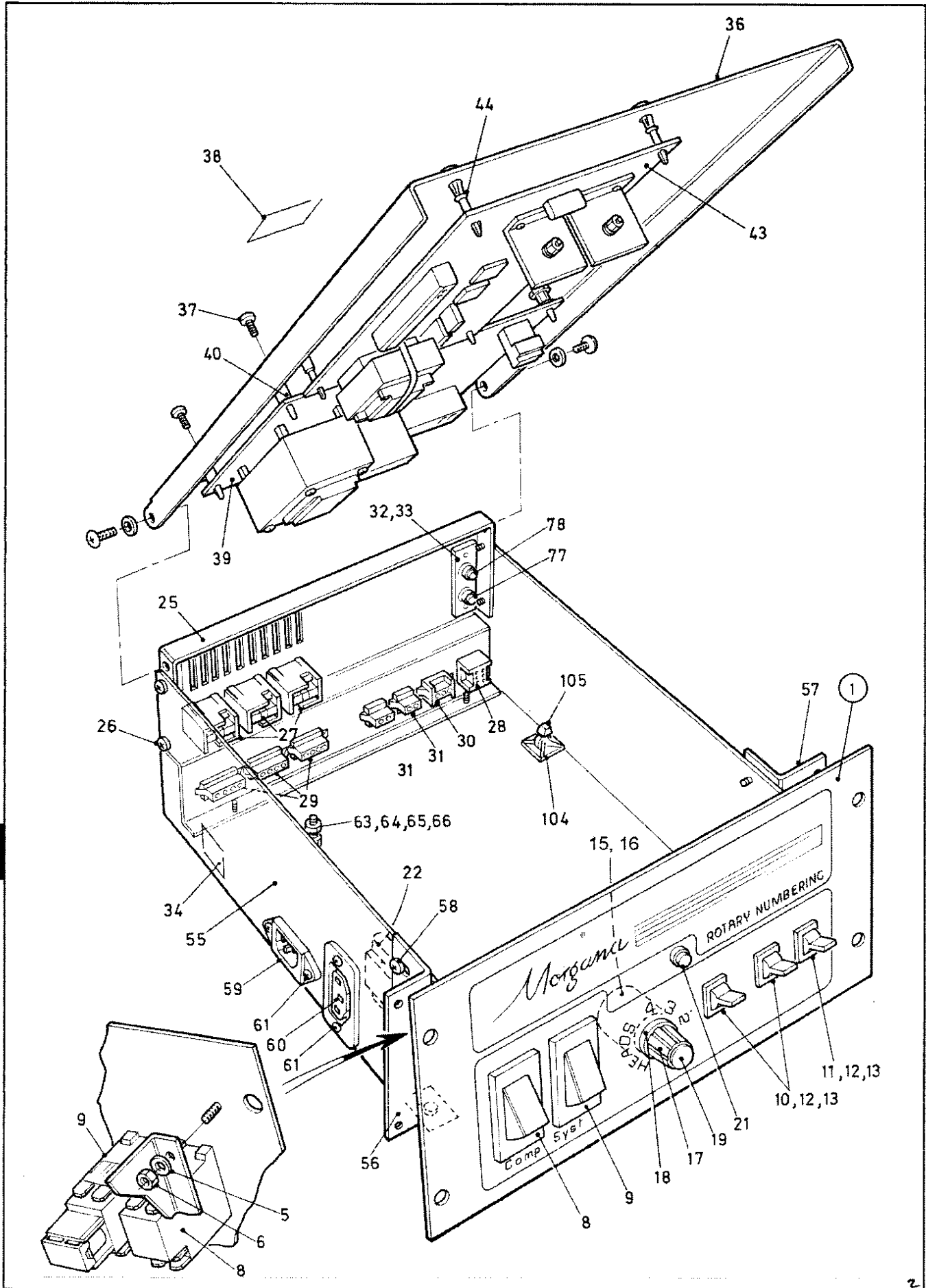
2

ITEM	PART NUMBER	QTY	DESCRIPTION
①	011-004-2	1	PAPERGATE SHAFT
2	1-42-03P	1	PAPERGATE ASSEMBLY
3	68-023-3	1	SMOOTHER - COMPACT PAPERGATE
4	404-02-030-006	3	SCREW - C.SUNK POZI TAPTITE - M3 X 6 LONG
5			
⑥	6-13-01P	1	MANIFOLD - OPERATOR SIDE
⑦	6-13-02P	1	MANIFOLD - DRIVE SIDE
8			
9			
10			
11			
12	415-01-080-016	2	SCREW - HEX HEAD SET - M8 X 16 LONG
13	481-080	2	WASHER - PLAIN - M8

2

16



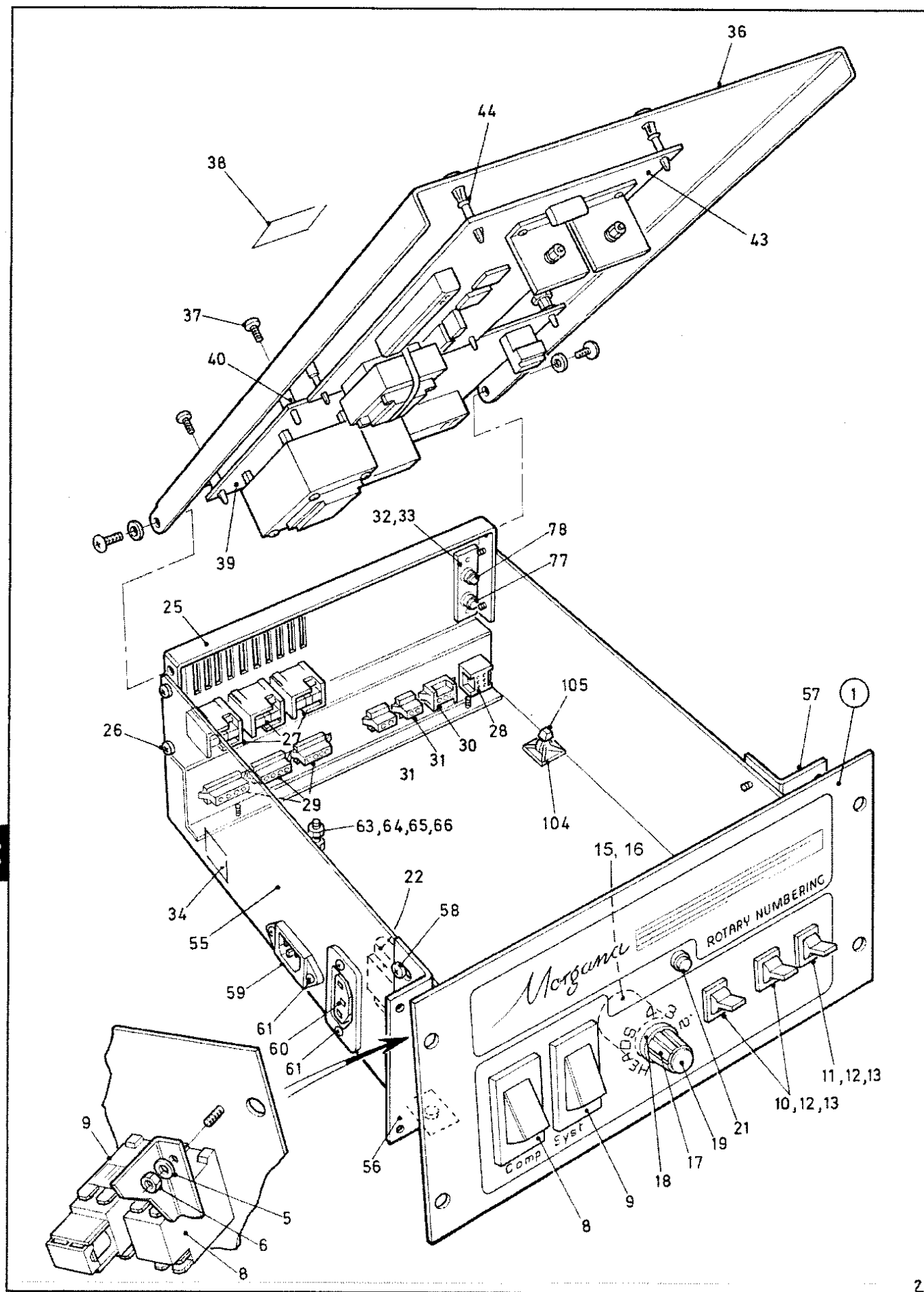


ITEM	PART NUMBER	QTY	DESCRIPTION
①	65-067-4	1	CONTROL PANEL ASSEMBLY - FSN II
2	65-065-03-2	1	♦ <i>Front Panel - FSN II - Black</i>
3	65-068-4	1	♦ <i>Artwork - Control Panel Graphics MSL</i>
4			
5	481-040	4	WASHER - PLAIN - M4
6	461-01-040	4	NUT - FULL - M4
7			
8	613-240	1	COMPRESSOR SWITCH - (WTTL 22 10A - RED)
9	613-241	1	SYSTEM SWITCH - (WNL 22 220V 50HZ - RED)
10	613-062	2	ON/OFF SWITCH BODY
11	613-200	1	OFF BIAS SWITCH BODY
12	613-239	3	ACTUATOR LEVER - RED
13	613-064	3	PLAIN BEZEL - BLACK - (F 145 - 207)
14			
15	613-061	1	POTENTIOMETER - 10K Ω - (WIRE WOUND)
16	605-024	1	NYLON WASHER (16 FW 375125)
17	613-065	1	KNOB (SIAFAM 600 - S151 - 250" - BLACK)
18	613-067	1	COVER (FOR KNOB - 600-N151 BLACK
19	613-238	1	CAP-(FOR KNOB - BLACK LINED)
20			
21	613-204	1	SUB-MINIATURE NEON
22	613-213	1	CR NETWORK (SNUBBER)
23	613-152	1	HEAT SHRINK SLEEVING - Ø2,4 - (RS 398-212)
24			
25	65-063-2	1	OUTLET PANEL - FSN II
26	401-02-040-006	6	SCREW - PAN POZI TAPTITE - M4 X 6 LONG
27	613-059	3	FUSE HOLDER - (413 - 254)
28	613-207	1	TRIDENT RECEPTACLE - 6 WAY
29	613-156	3	TRIDENT RECEPTACLE - 4 WAY (229-90038A)
30	613-208	1	TRIDENT RECEPTACLE - 3 WAY (229-23601B)
31	613-069	2	TRIDENT RECEPTACLE - 2 WAY(229-90036-G)
32	65-069-4	1	OUTLET INSULATOR
33	401-02-030-006	2	SCREW - PAN POZI TAPTITE - M3 X 6 LONG
34	601-032	1	SERIAL NUMBER PLATE (RS606 -210)

NOTE....

♦ Items in italics are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES ➤

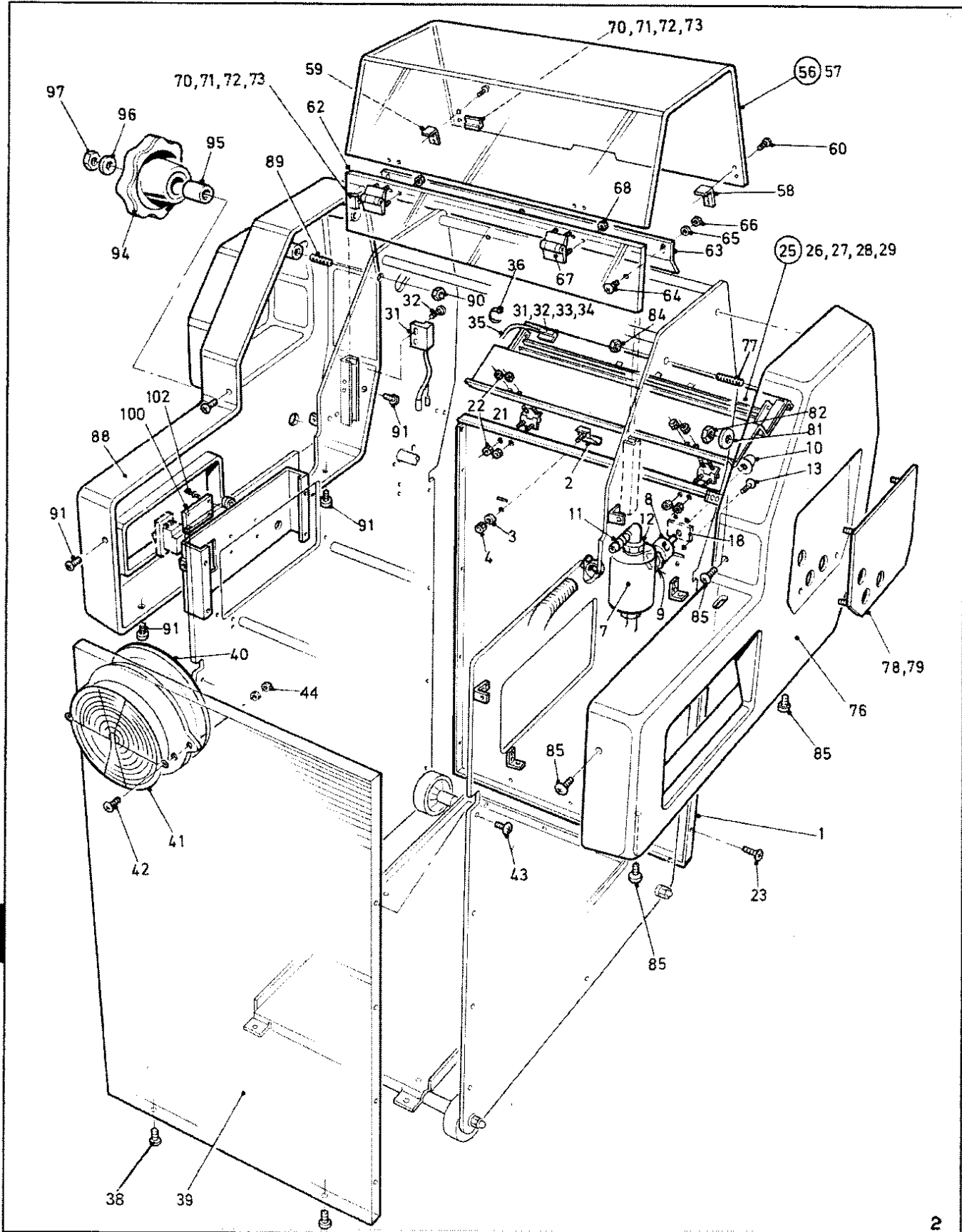


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ITEM	PART NUMBER	QTY	DESCRIPTION
35			
36	65-062-2	1	LID - CHASSIS - FSN II CONTROL SYSTEM
37	401-02-040-006	4	SCREW - PAN POZI TAPTITE - M4 X 6 LONG
38	613-220	1	WARNING LABEL (RS 556-159)
39	65-064-ND	1	CONTROL PCB - 220V SUCTION
40	603-045	2	PILLAR - M4 x 9.5 DIA.
41	401-02-040-016	2	SCREW - PAN POZI TAPTITE - M4 X 16 LONG
42	401-13-006-250	2	SCREW - PAN POZI SELF TAP - # 6 x 1/4"
43	95-138 or 613-184	1	MOTOR SPEED CONTROL PCB
44	613-185	4	PCB SUPPORT PILLAR (040-140)
45/54			
55	65-061-1	1	ENCLOSURE FSN II CONTROL SYSTEM
56	35-021-3	1	CONTROL BOX BRACKET (LEFT)
57	35-020-3	1	CONTROL BOX BRACKET (RIGHT)
58	401-02-040-006	4	SCREW - PAN POZI TAPTITE - M4 X 6 LONG
59	613-205	1	APPLIANCE INLET (10 AMP CEE - 22)
60	613-206	1	APPLIANCE OUTLET (10 AMP CEE - 22)
61	402-02-030-006	4	SCREW - CSK. POZI TAPTITE - M3 X 6 LONG
62			
63	401-02-040-016	1	SCREW - PAN POZI TAPTITE - M4 X 16 LONG
64	461-01-040	2	NUT - FULL - M4
65	483-040	2	WASHER - SPRING - M4
66	481-040	2	WASHER - PLAIN - M4
67/76			
77	613-321	1	PHONO SOCKET - BLACK
78	613-320	1	PHONO SOCKET - RED
79/106			
107	613-023	1	FUSE - 3.15 AMP - 20MM - (F 151490-3.15A)
108	613-024	2	FUSE - 1 AMP - 20MM - (F 151490-1A)
109			
110	401-02-040-008	4	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
111			
112	65-080-3	1	WIRING SCHEDULE
113	65-081-3	1	WIRING DIAGRAM
114			
115			

TIP....

The Fuses (items 107 & 108) used to protect your machines circuits are of a Fast Blow type and may occasionally fail without reason. Its always a good idea to keep a few spares of the correct value handy to save unnecessary down time.



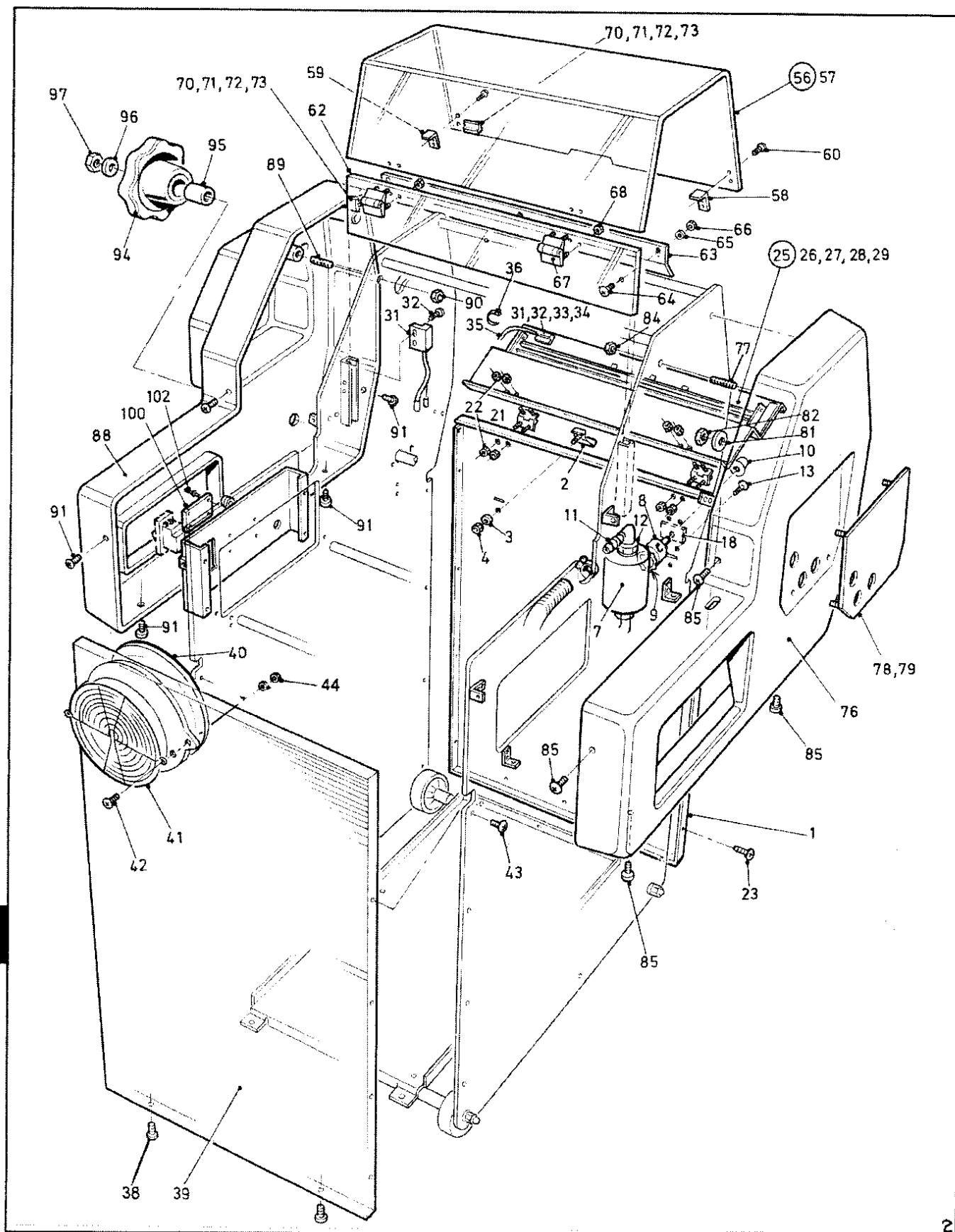
NOTES....

- ◆ Items in *italics* (in the list on the following page) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

ITEM	PART NUMBER	QTY	DESCRIPTION
1	65-024-	1	BASE END PANEL
2	85-006-02-4	2	STOWAGE HOOK
3	481-060	2	WASHER - PLAIN - M6
4	461-01-060	2	NUT - FULL - M6
5/6			
7	13-005-2	1	VALVE BLOCK
8	13-013-3	1	SPOOL
9	604-048	1	WAVY WASHER
10	606-007	1	IINSTRUMENT KNOB (4153 K1 BLACK)
11	611-003	2	ELBOW SOCKET (NORMA - WES19/R¾")
12			
13	401-02-040-008	4	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
14to17			
18	13-074-3	1	LABEL - SUCTION CONTROL
19			
20			
21	606-019	2	HINGE ADJUSTABLE
22	606-022	8	NUT FOR HINGE
23	401-02-040-008	14	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
24			
25	65-030-57-3	1	OUTPUT GUARD ASSEMBLY
26to30			
31	65-070-ND	2	PROXIMITY SWITCH - FRN/FSN
32	401-02-030-010	4	SCREW - PAN POZI TAPTITE - M3 X 10 LONG
33	481-030	4	WASHER - PLAIN - M3
34	461-01-030	2	NUT - FULL - M3
35			
36	613-027	8	CABLE TIE
37			
38	401-02-040-010	2	SCREW - PAN POZI TAPTITE - M4 X 10 LONG
39	65-023-0	1	BASE ACCESS COVER
40	613-253	1	FAN - LARGE (EBM)
41	601-038	1	FINGER GUARD - FAN
42	401-02-040-016	2	SCREW - PAN POZI TAPTITE - M4 X 16 LONG
43	401-02-040-008	6	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
44	461-01-040	2	NUT - FULL - M4
45			
46	65-085-ND	1	REAR PANEL - PRINTED
47	65-087-03-2	1	♦ Rear Panel - Metalwork
48	65-086-4	1	♦ Artwork - Rear Panel
49	401-02-040-008	4	SCREW - PAN POZI TAPTITE - M4 X 8 LONG
50	613-264	1	ISOLATOR - RED ROCKER 220V

THIS SECTION IS CONTINUED ON THE FOLLOWING PAGES





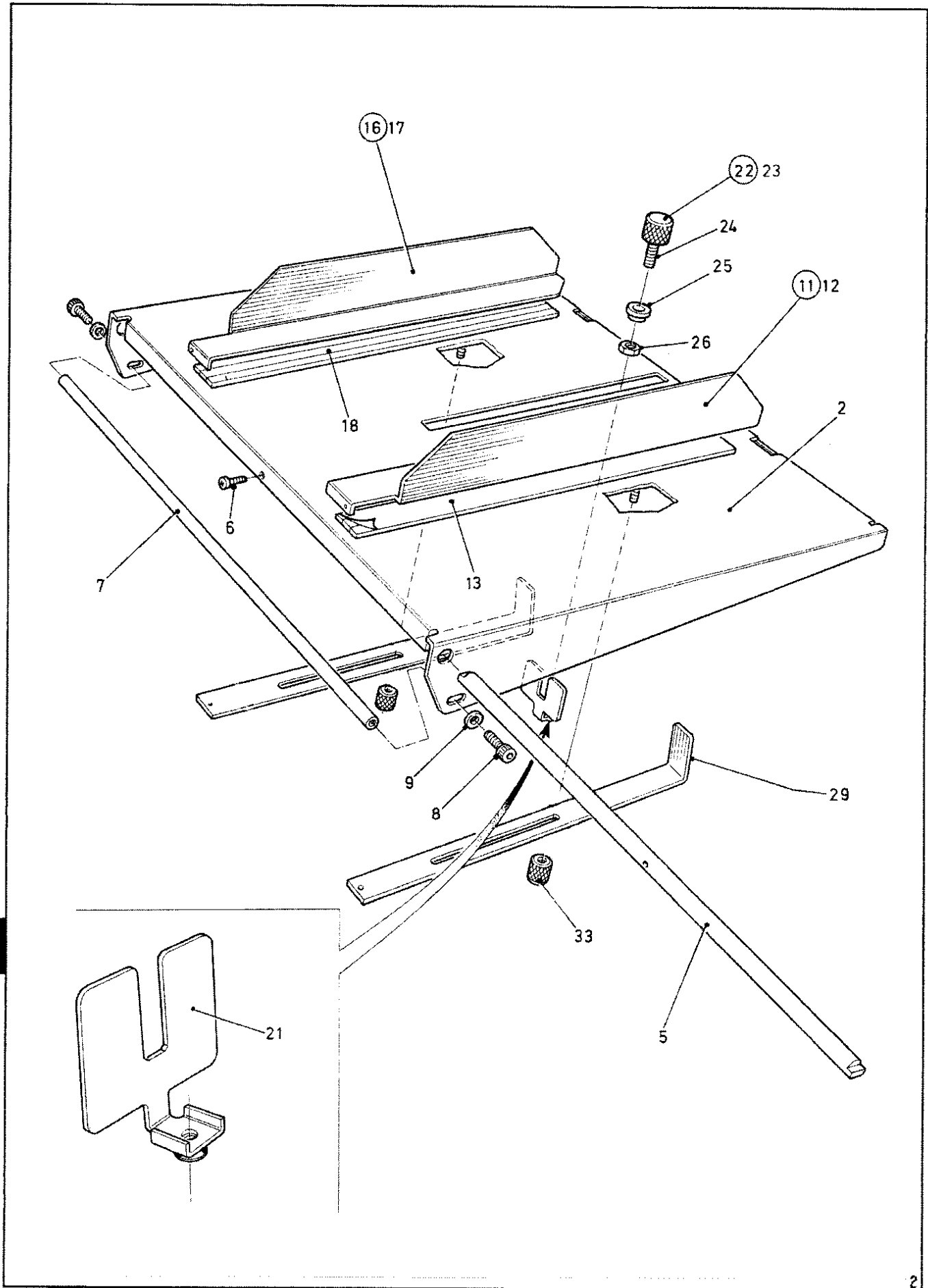
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NOTES....

- ♦ Items in *italics* (*in the list on the following page*) are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

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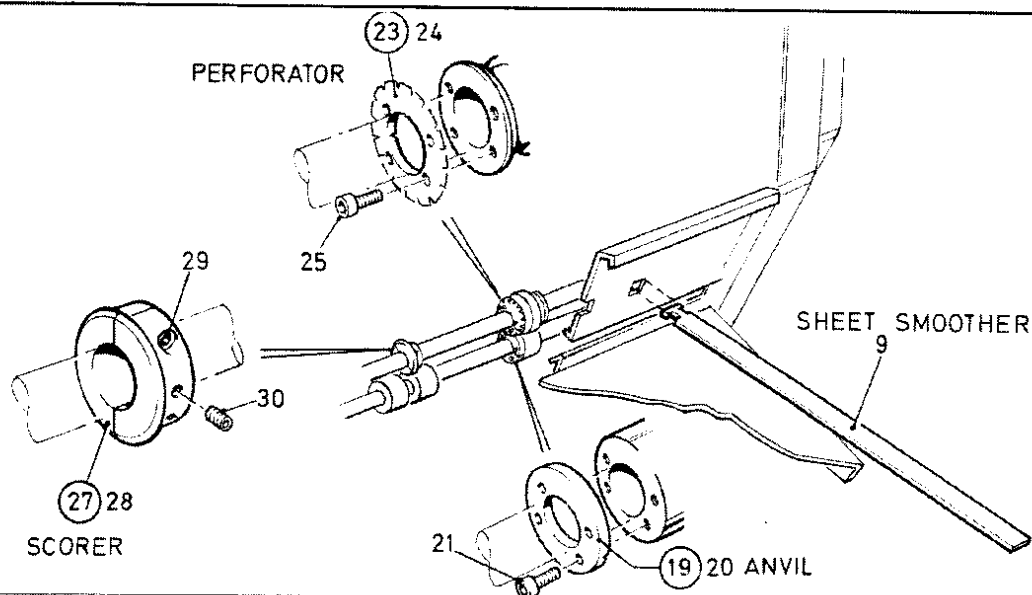
ITEM	PART NUMBER	QTY	DESCRIPTION
56	65-089	1	MAIN GUARD ASSEMBLY
57	65-028-1	1	♦ TOP GUARD
58	65-035-4	1	♦ COUNTER PLATE - OPERATOR SIDE
59	65-036-4	1	♦ COUNTER PLATE - CLUTCH SIDE
60	401-02-040-008	4	♦ SCREW - PAN POZI TAPTITE - M4 X 8 LONG
61			
62	65-029-2	1	♦ ENTRY GUARD
63	63-042-2	1	♦ INPUT STRIPPER - FSN
64	401-02-040-012	3	♦ SCREW - PAN POZI TAPTITE - M4 X 12 LONG
65	481-040	3	♦ WASHER - PLAIN - M4
66	461-01-040	3	♦ NUT - FULL - M4
67	606-019	2	♦ HINGE - ADJUSTABLE
68	606-022	8	♦ NUT FOR HINGE
69			
70	601-021	2	♦ MAGNETIC ACTUATOR (RS338-759)
71	401-02-030-012	4	♦ SCREW - PAN POZI TAPTITE - M3 x 12 LONG
72	481-030	4	♦ WASHER - PLAIN - M3
73	461-01-030	4	♦ NUT - FULL - M3
74/75			
76	65-021-0	1	UPPER SIDE COVER - OPERATOR SIDE
77	409-01-060-035	2	SCREW - SOCKET SET FLAT - M6 X 35 LONG
78	65-053-3	1	FACIA PLATE ASSEMBLY - FSN II
79	65-033-03-2	1	♦ <i>Facia Plate (Black)</i>
80	65-054-3	-	♦ <i>Artwork - FSN II Facia Plate</i>
81	63-021-X	4	SUPPORT WASHER (X1002-3)
82	461-01-040	4	NUT - FULL - M4
83			
84	462-01-060	2	NUT - HALF - M6
85	401-02-040-010	5	SCREW - PAN POZI TAPTITE - M4 X 10 LONG
86/87			
88	65-022-0	1	UPPER SIDE COVER - CLUTCH SIDE
89	409-01-060-035	2	SCREW - SOCKET SET FLAT - M6 X 35 LONG
90	462-01-060	2	NUT - HALF - M6
91	401-02-040-010	5	SCREW - PAN POZI TAPTITE - M4 X 10 LONG
92/93			
94	606-023	1	HANDWHEEL - CLUTCHED (DIA 12)
95	623-011	1	CLUTCH - DRAWN CUP ROLLER
96	481-060	1	WASHER - PLAIN - M6
97	461-01-060	1	NUT - FULL - M6
98			
99	63-032-2	1	BASE GRAPHICS - FSN



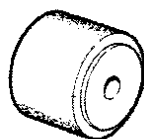
ITEM	PART NUMBER	QTY	DESCRIPTION
1			
2	89 - 001 - 02 - 1	1	STACKER BED
3			
4			
5	89 - 005 - 3	1	STACKER MOUNTING SHAFT
6	401 - 02 - 040 - 008	1	SCREW - PAN POZI TAPTITE - M4 x 8 LONG
7	89 - 006 - 3	1	STACKER SUPPORT SHAFT
8	403 - 01 - 060 - 012	2	SCREW - CAP HEAD - M6 x 12 LONG
9	481 - 060	2	WASHER - PLAIN - M6
10			
⑪	89 - 014 - 57 - ND	1	STACKER SIDE GUIDE ASSEMBLY - OP. SIDE
12	89 - 002 - 02 - 2	1	♦ <i>Stacker Guide - Operator Side</i>
13	89 - 008 - 4	1	♦ <i>Magnetic Strip</i>
14	601 - 057	-	♦ <i>Magnetic Sheet - 1.5mm Thick</i>
15			
⑫	89 - 015 - 57 - ND	1	STACKER SIDE GUIDE ASSEMBLY - CL. SIDE
17	89 - 003 - 02 - 2	1	♦ <i>Stacker Guide - Clutch Side</i>
18	89 - 008 - 4	1	♦ <i>Magnetic Strip</i>
19	601 - 057	-	♦ <i>Magnetic Sheet - 1.5mm Thick</i>
20			
21	89 - 004 - 02 - 3	1	STACKER BACKSTOP
22	28 - 013 - 2	1	UNIVERSAL KNOB ASSEMBLY
23	01 - 113 - 3	1	UNIVERSAL KNOB - BLACK - M6
24	409 - 01 - 060 - 030	1	SCREW - SOCKET SET FLAT - M6 x 30 LONG
25	605 - 033	1	SHOULDER WASHER
26	462 - 01 - 060	1	NUT - THIN - M6
27			
28			
29	89 - 007 - 02 - 3	2	STACKER EXTENSION
30			
31			
32			
33	89-017-A	2	EXTENDED KNOB - M6
34			

NOTE....

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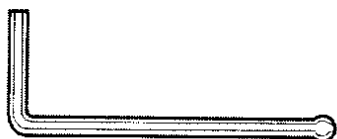
OPERATORS MANUAL



INK ROLLER



2mm KEY



5mm KEY



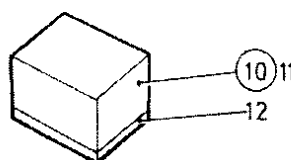
WHEEL EXTRACT TOOL



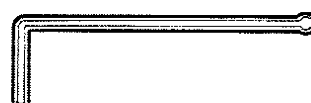
STYLO TOOL



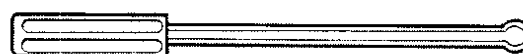
ILLUSTRATED PARTS MANUAL



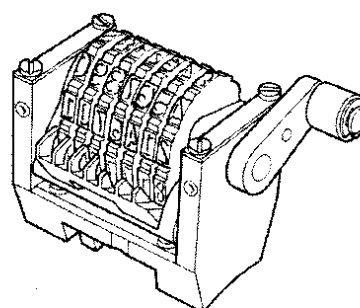
PAPER STOP BLOCK



4mm KEY



2.5mm KEY



NUMBERING HEAD

ITEM	PART NUMBER	QTY	DESCRIPTION
1	60-011-ND	1	FSN OPERATORS GUIDE
2	60-010-ND	1	FSN PARTS MANUAL
3			
4	620-007	1	HEXAGON BALL DRIVER - 2mm
5	620-020	1	HEXAGON BALL DRIVER - 2,5mm
6	620-026	1	BONDUS 'L' WRENCH - 4mm
7	620-027	1	BONDUS 'L' WRENCH - 5mm
8			
9	69-029-3	2	SHEET SMOOTHER - STACKER
⑩	13-065-57-3	1	PAPER STOP BLOCK ASSEMBLY
11	13-017-3	1	♦ <i>Paper Stop Block</i>
12	13-018-3	1	♦ <i>Rubber Pad - Paper Stop Block</i>
13			
14	57-020-3	1	INK ROLLER - BLACK
15	51-200-2	1	NUMBERING HEAD - PARALLEL - BACKWARD
16	620-014	1	STYLO TOOL
17	41-001-3	1	WHEEL EXTRACTION TOOL
18			
⑪	1-99-35P	2	ANVIL SET
20	08-041-3	2	♦ <i>Slitting Anvil</i>
21	403-01-030-008	8	♦ <i>Screw - Cap Head - M3 x 8 Long</i>
22			
⑫	1-99-12P	2	PERFORATING SET - 28T - SLITTING
24	08-066-3	2	♦ <i>Perforating Blade - 28T - Slitting</i>
25	403-01-030-006	8	♦ <i>Screw - Cap Head - M3 x 6 Long</i>
26			
⑬	6-99-05P	1	SCORING SET - TYPE A
28	08-061-3	1	♦ <i>Scorer Type A</i>
29	403-01-030-006	2	♦ <i>Screw - Cap Head - M3 x 6 Long</i>
30	409-01-040-004	1	♦ <i>Screw - Socket Set Flat - M4 x 4 Long</i>

NOTES....

♦ Items in italics are not available individually as they are part of the preceding sub-assembly, which has a circled item number.

Some of the items shown in the illustration are accessories and may not be supplied with your model of machine. They may, however be available from your dealer.

WARNING.....

THE BLADES FOR ANVIL, PERFORATING, & SCORING SETS ARE SUPPLIED AS MATCHED PAIRS AND SHOULD NEVER BE MIXED-UP OR LEFT UN-PROTECTED AS SERIOUS DAMAGE WILL RESULT.

ACCESSORIES & OPTIONS

Morgana

	DESCRIPTION	CODE
1	NUMBERING HEAD - BACKWARD - PARALLEL	51 - 200 - 2
2	NUMBERING HEAD - FORWARD - PARALLEL	51 - 201 - 2
3	NUMBERING HEAD - BACKWARD - CONVEX	51 - 202 - 2
4	NUMBERING HEAD - FORWARD - CONVEX	51 - 203 - 2
5		
6	INK ROLLER - BLACK - (POLY POLYPENCO)	5 - 99 - 31P
7	INK ROLLER - RED - (POLY POLYPENCO)	5 - 99 - 32P
8	INK ROLLER - (RE - INKABLE)	58 - 006 - 4
9	INKING POD - UNIVERSAL	58 - 008 - 4
10	INK - BLACK - 30ml TUBE	601 - 101
11	INK - RED - 30ml TUBE	601 - 102
12		
13	SCORING SET - TYPE A	6 - 99 - 05P
14	SCORING SET - TYPE B	6 - 99 - 06P
15		
16	PERFORATING SET - 20T SLITTING	1 - 99 - 10P
17	PERFORATING SET - 20T SLITTING -HEAVY DUTY	1 - 99 - 11P
18	PERFORATING SET - 28T SLITTING	1 - 99 - 12P
19		
20	SLITTING BLADE SET	1 - 99 - 13P
21	ANVIL SET	1 - 99 - 35P
22		
23	PERFORATOR STRIPPER SET	6 - 99 - 45P
24	SHEET SMOOTHER - STACKER	69 - 023 -3
25	PAPER PROFILE ROLLERS - SET (SPLIT)	6 - 99 - 36P
26		
27	ADDITIONAL NUMBERING STATION - METRIC	5 - 90 - 01R
28	ADDITIONAL NUMBERING STATION - IMPERIAL	5 - 90 - 02R
29	ADDITIONAL PERFORATING STATION	6 - 90 - 07R
30		
31		
32		
33		
34		
35		
36		

ACCESSORIES....

....May be obtained from your dealer and fitted to your machine using the instructions supplied, or by consulting your operators manual.

OPTIONS....

....May also be obtained *and fitted* by your dealer. You should not attempt to fit options yourself as specialist tools and knowledge are required.

SECTION	ITEM	PART No.	DESCRIPTION
2	1	51-086-2	PLATEN ASSEMBLY
2	11	604-023	SPRING - TENSION - (LE 045 - D9)
2	34	604-033	SPRING - TORSION - (LTL 054 K2)
3	27	51-081-3	CLUTCH ASSEMBLY - (CB6 12V)
3	31	613-191	MICRO SWITCH
3	48	604-010	SPRING - COMPRESSION - (LC - 055 - G9)
3	64	604-055	SPRING - EXTENSION - (LEM 150 - D8)
4	65	81-015-3	ADVANCE CAM
4	69	81-009-3	PERFORATOR STRIPPER
4	70	01-115-3	UNIVERSAL KNOB BLACK - M5
5	6	81-021-3	SENSOR LENS
5	10	613-310	SENSOR SET - (EMITTER & RECEIVER)
6	6	57-004-3	INK TRANSFER ROLLER
7	17	607-017	TIMING BELT - 120 XL 037
7	18	607-001	TIMING BELT - 260 XL 037
7	19	607-014	TIMING BELT - TWIN GRIP - D280 XL 037
7	20	607-016	TIMING BELT - 190 XL 037
7	22	66-010-3	POLY CORD BELT - Ø 5 X 430 LONG
8	5	613-264	ISOLATOR - RED ROCKER 220V
9	8	611-034	FILTER ELEMENT
12	28	604-007	SPRING - COMPRESSION - (LC 063 - H8)
12	33	613-319	EMERGENCY STOP SWITCH
17	8	613-240	COMPRESSOR SWITCH - (WTTL 22 10A - RED)
17	9	613-241	SYSTEM SWITCH - (WNL 22 220V 50HZ - RED)
17	10	613-062	ON/OFF SWITCH BODY
17	11	613-200	'OFF' BIAS SWITCH BODY
17	12	613-239	ACTUATOR LEVER - RED
17	13	613-064	PLAIN BEZEL - BLACK - (F 145 - 207)
17	15	613-061	POTENTIOMETER - 10KW - (WIRE WOUND)
17	27	613-059	FUSE HOLDER - (413 - 254)
17	39	65-064-ND	CONTROL PCB - 220V SUCTION
17	43	613-184	MOTOR SPEED CONTROL PCB (TYPE 727)
17	107	613-023	FUSE - 3.15 AMP - 20MM - (F 151490-3.15A)
17	108	613-024	FUSE - 1 AMP - 20MM - (F 151490-1A)
18	31	65-070-ND	PROXIMITY SWITCH -FSN
18	40	613-253	FAN - LARGE (EBM)
20	9	69-029-3	SHEET SMOOTHER - STACKER

NOTE.....

The items listed above represent parts which are subject to wear, loss, or accidental damage, and is included for your guidance only.

Section and Item numbers refer to the illustrations and tables in this manual.

Replacement of most of the parts fitted to your machine requires specialist knowledge and should therefore be entrusted to your dealer.

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