



Maintenance Library

5444

**Disk Storage Drive
(Machines with serial no. above 30100)
Parts Catalog
including 5440 Disk Cartridge**

Third Edition (September, 1972)

This is a major revision of, and obsoletes S135-0002-1.

Changes are continually made to the information herein; any such changes will be reported in subsequent revisions or Technical Newsletters.

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This Parts Catalog (PC) contains listings and illustrations of all replaceable assemblies, subassemblies, and detail parts for the IBM 5444 Disk Storage Drive (Machines with serial no. above 30100) and IBM 5440 Disk Cartridge that have been released to Production Control on or before 3 July 1972 (EC 392720). The information enables stock and maintenance personnel to identify, requisition, and issue replacement parts.

The following aids are provided for the reader:

1. At the front of the manual:
 - a. An explanation of how the PC is organized and used.
 - b. A visual index that contains overall views of the 5444 Disk Storage Drive and 5440 Disk Cartridge and provides a starting point for locating a part.
2. At the back of the manual: an index of part numbers.

Associated Publication: IBM Maintenance Library, *5444 Disk Storage Drive (Machines with serial no. above 30100), Theory Maintenance*, Order No. SY33-0029.

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Part I

To find parts quickly, a general understanding of the structure of this catalog is necessary. The catalog is divided into three major sections:

- The Visual Index, containing overall views of the machine, with call-outs pointing to detailed figures.
- The Catalog Section, containing a pictorial breakdown of assemblies and subassemblies.
- The Numerical Index, which is a numerical list of all parts used in the machine, with cross-references to the figure on which the part is found.

VISUAL INDEX

The Visual Index, located before the Catalog Section, contains a reduced illustration of every figure in the Catalog Section. The reduced illustrations are tied together with flow arrows to form a natural progression from large assemblies to small assemblies and possibly subassemblies. In effect, a visual table of contents is formed by the Visual Index illustrations.

CATALOG SECTION

The Catalog Section contains the full-sized illustrations previously noted in the Visual Index. Index numbers on figures refer to corresponding entries in the Group Assembly Parts List accompanying each figure. Refer to part II for explanation of terms used in the Group Assembly Parts List.

NUMERICAL INDEX

The Numerical Index is located after the Catalog Section and contains a complete list, in numerical order, of all part numbers used on the machine. Listed with the part number is the index and figure number on which the part is illustrated. The numerical index makes it possible to locate a part when only the part number is known.

STACKED INDEX NUMBERS

Stacked Index numbers are used when showing a part and its attaching hardware. The sequence of a typical stack is shown at the right. The circled index number indicating the assembly is broken down within the figure.

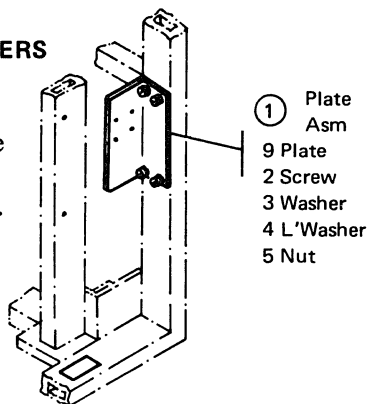


ILLUSTRATION NOTES

Cross-reference notes are directly on the illustration. The illustration's next higher assembly reference, normally located in the upper left corner of the page will read: "For Parts Not Shown See Figure X". If an assembly is referenced to a lower level figure, the note located next to the index number will read: "See Figure X".

DOUBLE LINED DETAIL BOX

The double lined box differentiates between parts shown on the basic model and parts related to a level and/or feature difference. An explanation of the level or feature difference is given in the double lined box.

FINDING A PART

The Visual Index is the starting point for locating a part. The illustrations in the Visual Index are reduced versions of all illustrations in the Catalog Section; therefore, the illustrations can be used to find the assembly containing the desired part. Use references to the detailed figure in the Catalog Section, or to another Visual Index illustration, to determine location of part number.

Once the detailed figure in the catalog section is determined, finding the part on the figure and referring to the listing for the part number and description is all that is required in most cases. If the first catalog section figure referenced shows the assembly containing the required part, the index number for the assembly will reference a lower-level figure where the assembly is broken down to its component parts. If the figure referenced by the Visual Index contains neither the part nor an assembly containing the part, it is then necessary to go to the next higher assembly figure. This figure should then contain the part or an assembly containing the part; if not, an even higher level figure must be used. Refer back to the Visual Index for some other figure that could show the desired part.

Note: Many detailed parts are unavailable, because they are part of an inseparable assembly (two or more parts welded or bonded together), or because they are part of an assembly purchased as a unit. If parts are found on a welded or bonded assembly, the following note follows the description of the assembly: "Assembly components are not replaceable". If the part is found on a purchased assembly, and the detail parts of this assembly do not have IBM part numbers, the note following the assembly description will read: "Assembly components are not available". In either case, you need to obtain the part number of the assembly, rather than the detailed part.

EXAMPLE FOR ORDERING PARTS

			REF
4 -	5726422	FAN ASM-P/S ENCLOSURE FOR NEXT HIGHER ASSEMBLY SEE FIGURE 1	
- 1	334921	. TERMINAL, RING- 18-22 AWG, #6 HOLE, INS	2
- 2	187834	. SHIELD, TERMINAL BLOCK- 2 POS	1
- 3	210984	. SCREW, RD HD MACH-6-32 X .250 LG	ATT PT 1
- 4	5357050	. FAN ASM-ND CONNECTOR	1
- 5	32042	. SCREW, MACH BIND. HD 10-32 X .375 LG	ATT PT 2
- 6	5357066	. . BLADE	1
- 7	5357067	. . MOTOR 208V/230V 60CY 220V 50CY	1
- 8	130434	. . SCREW, MACH-SLOTTED HEX HD 10-32 X .375 LG	ATT PT 2
- 9	56079	. . WASHER, LOCK-EXT T .195ID .410 OD	ATT PT 2
- 10	5726436	. HEADER-POWER SUPPLY FAN	1

If the entire fan is required, order part number 5726422; all one dot items will be supplied. If only the subassembly is required, order part number 5357050; all two dot items will be supplied. If part number 5357050 is ordered, only the two dot items will be supplied; not the attaching part 32042. Attaching parts immediately follow subassemblies before the assembly breakdown, and must be ordered separately.

All parts may be ordered individually.

PART II

① AR

As Required (AR) in the units per assembly column denotes that the quantity is used as required.

② ATT PT

Attaching Parts: These parts are used to attach a sub-assembly to an assembly. The attaching parts are listed immediately following the part to be attached.

③ COMM

Commercial hardware: When this indication appears in the part number column, it denotes hardware procurable from normal commercial sources and not identified by an IBM part number.

④ INDENTURE

The relationship of a part to its next higher assembly is indicated by indentures. For example:

1 2 3 4

Unit

- . Assemblies and Detail Parts of Unit
- . Attaching Parts for Assemblies & Detail Parts
- . . Subassemblies
- . . Attaching Parts for Subassemblies
- . . . Detail Parts for Subassemblies, etc.

⑤ NR

NR in the part number column denotes the part is procurable but not recommended for field replacement, and that the next higher assembly should be ordered.

⑥ NP

The entry NP in the part number column denotes the assembly is non-procurable and the detail parts should be ordered separately.

⑦ NO NO.

When this indication appears in the part number column, it denotes a group of parts for which no assembly part number has been assigned, and the detail parts should be ordered separately.

⑧ REF

This entry in the units per assembly column denotes an assembly which is completely assembled on a preceding illustration. Quantities for such items are found in its next higher assembly.

⑨ SIMILAR ASSEMBLIES

If two assemblies contain a majority of identical parts, they are broken down on the same list. Common parts are shown by one index number. Parts peculiar to one or the other of the assemblies are listed separately and identified by Usable On Code.

⑩ USABLE ON CODE

Part application and interchangeability is indicated by the usable on code. If this column is blank, the parts pertain to all equipment(s) covered. Two types of codes are used. The alphabetic code denotes similar assemblies and/or features: the numeric code denotes level. Refer to the beginning of each list for the explanation of the code(s).

⑪ SUFFIX CODE

The suffix code indicates the month (alphabetic) and the year (numeric) of the engineering change which affected interchangeability of the part.

EXAMPLE OF PARTS LIST

LIST AND INDEX NO.	PART NO.	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		DRIVE MOTOR ASSEMBLY					
2-		<p> 10 CODE A USED ON 60 CYCLE ONLY CODE B USED ON 50 CYCLE ONLY CODE 1 USED ON ASM PRIOR TO B6 SUFFIX </p>					
-	2199376 NP					REF	1A
-	2199386 NP					REF	1B
- 1	2204176					1	A
- 1	2199255					1	B
- 2	79842				ATT PT	AR	A
- 3	2204116					1	B
- 4	NO NO.					1	
- 5	5526				ATT PT	4	
- 6	2204082					1	
- 7	2204033					1	
- 8	COMM					1	
- 8	2199258					1	
- 9	2199401 NR					1	A
- 9	2199402 NR					1	B

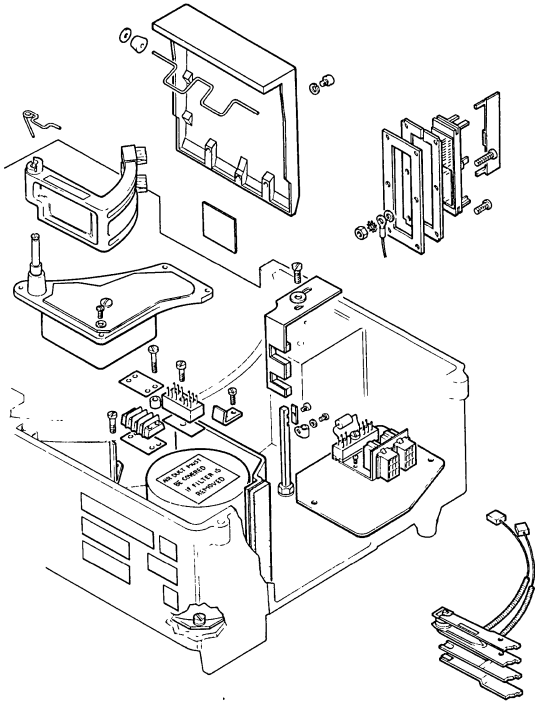


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 1 OF 4)

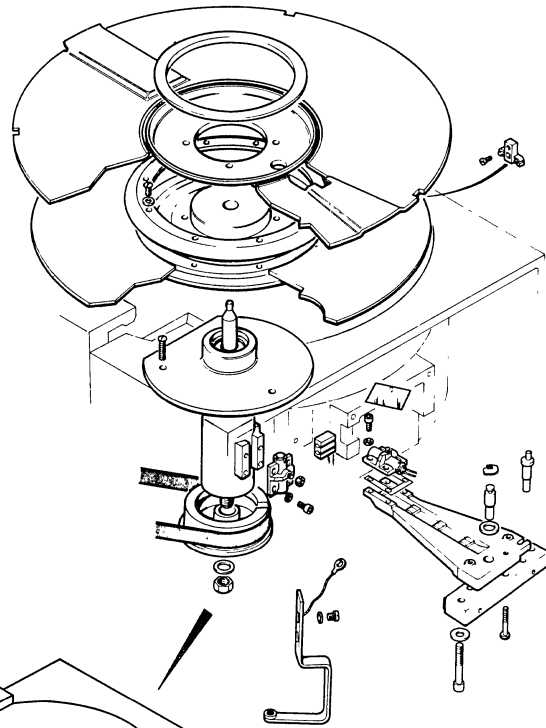
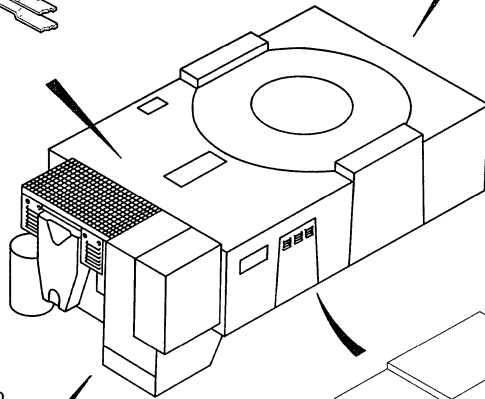


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 4 OF 4)



For Cable Assemblies,
See Figure 3

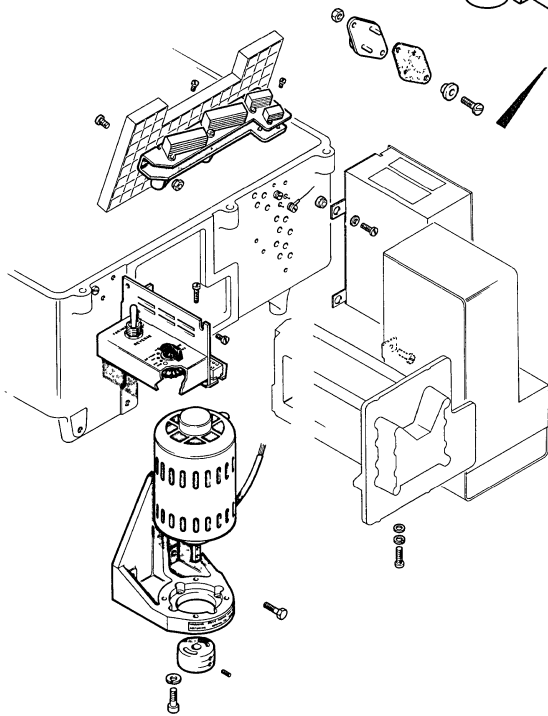


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 2 OF 4)

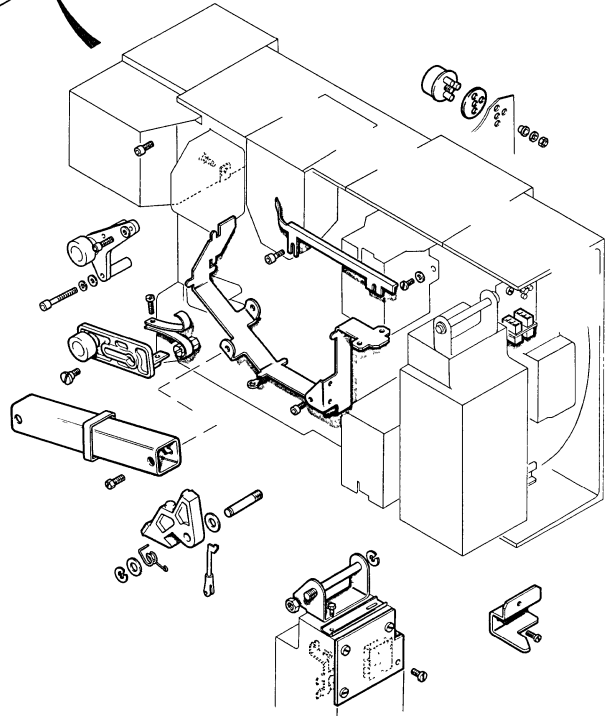


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 3 OF 4)

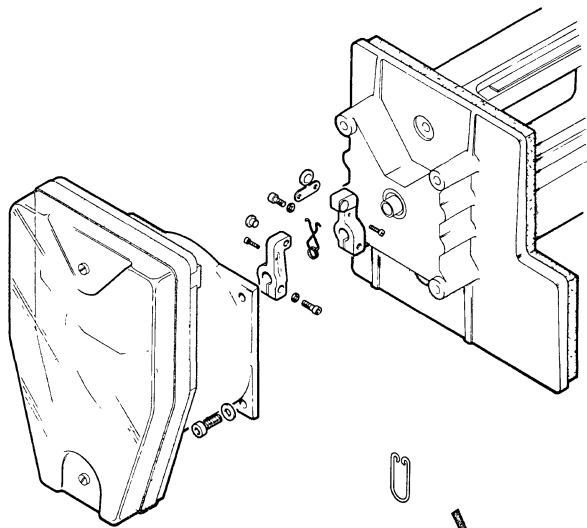


FIGURE 4 ACTUATOR ASSEMBLY (PART 1 OF 4)

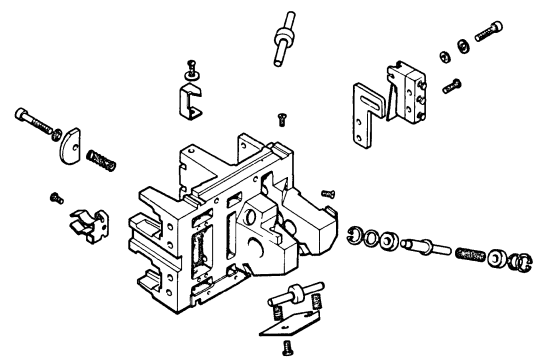
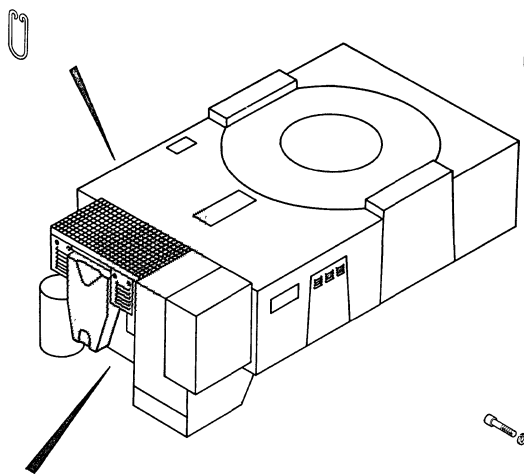


FIGURE 4. ACTUATOR ASSEMBLY (PART 4 OF 4)



For Cover Groups and Assemblies, See Figure 1

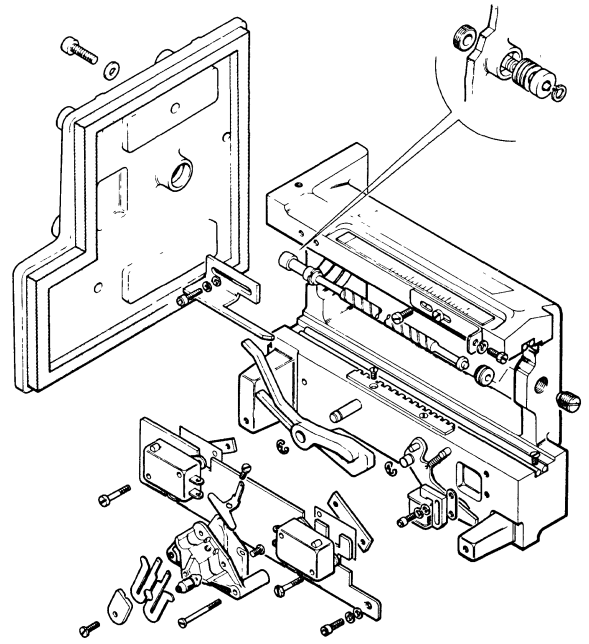


FIGURE 4. ACTUATOR ASSEMBLY (PART 2 OF 4)

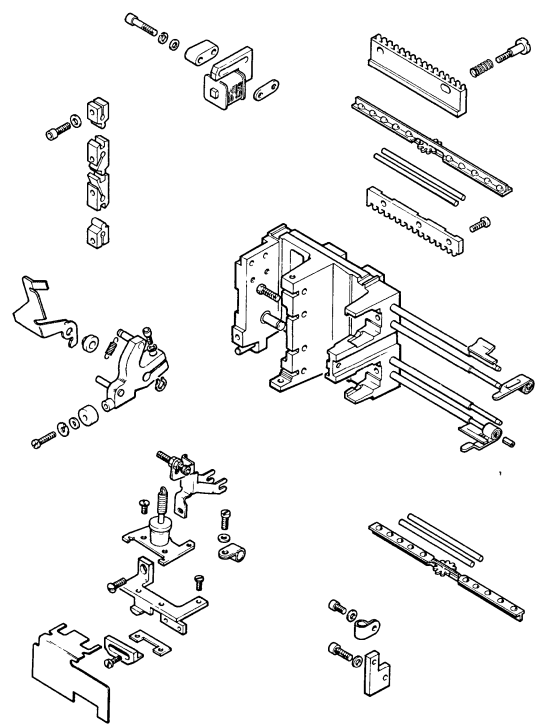


FIGURE 4. ACTUATOR ASSEMBLY (PART 3 OF 4)

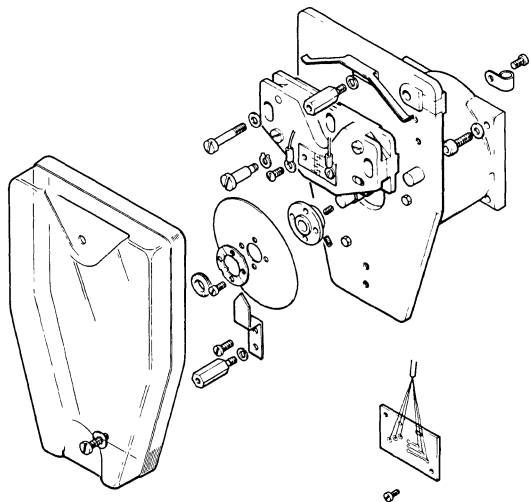


FIGURE 5 MOTOR ENCODER ASSEMBLY

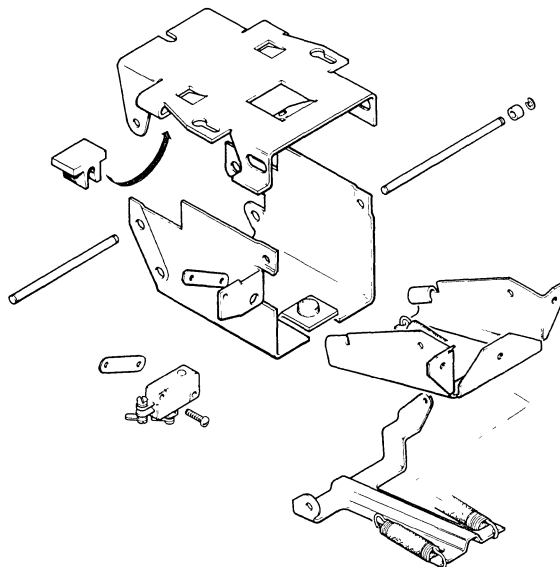
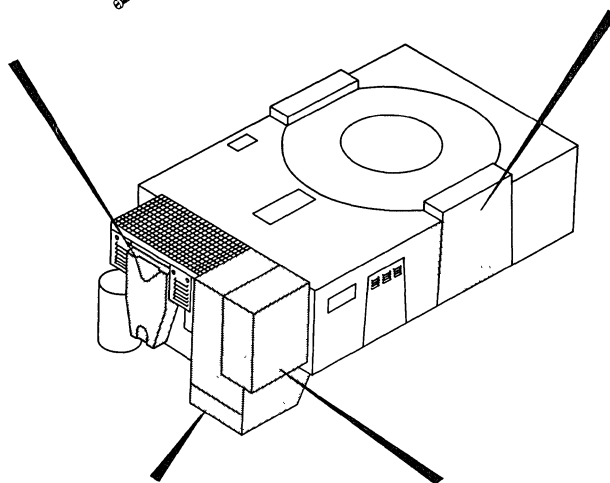


FIGURE 6 & 7 CLAMP ASSEMBLIES



For Cover Groups
and Assemblies,
See Figure 1

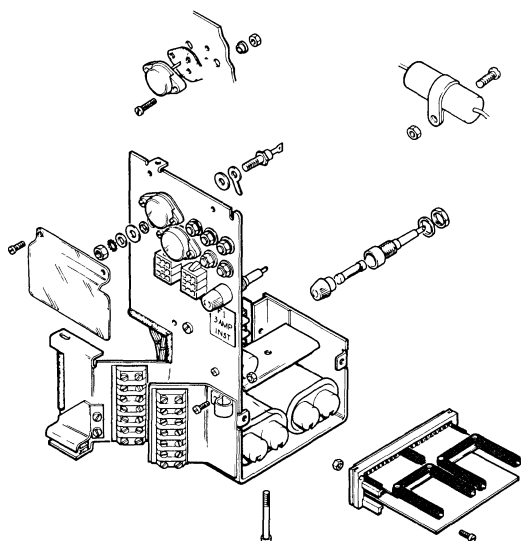


FIGURE 3 DC BOX ASSEMBLY

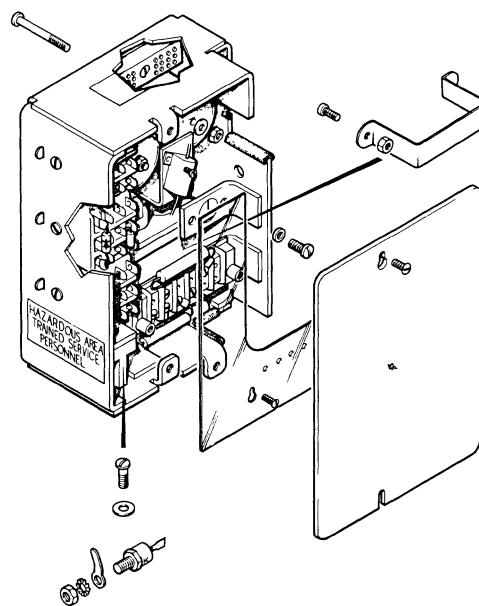


FIGURE 9 AC BOX ASSEMBLY

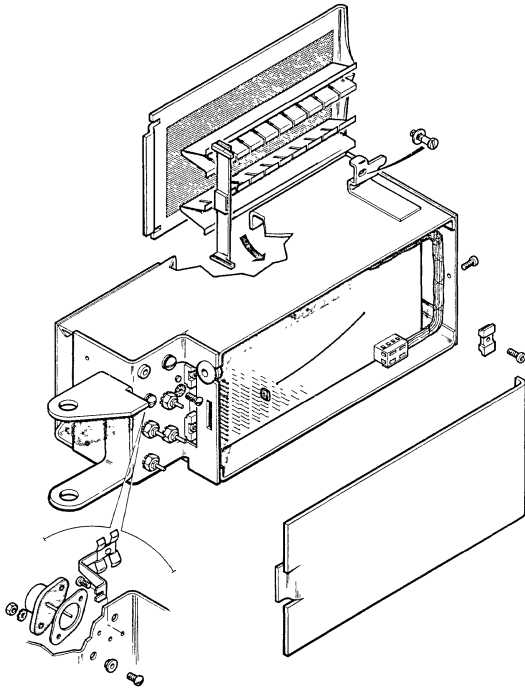


FIGURE 10 'Y' GATE ASSEMBLY

For Cable Assemblies,
See Figure 3

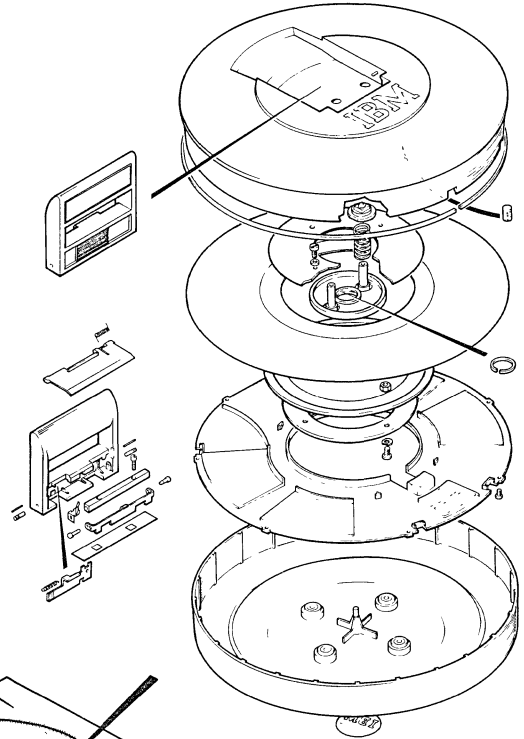


FIGURE 13 5440 CARTRIDGE ASSEMBLY

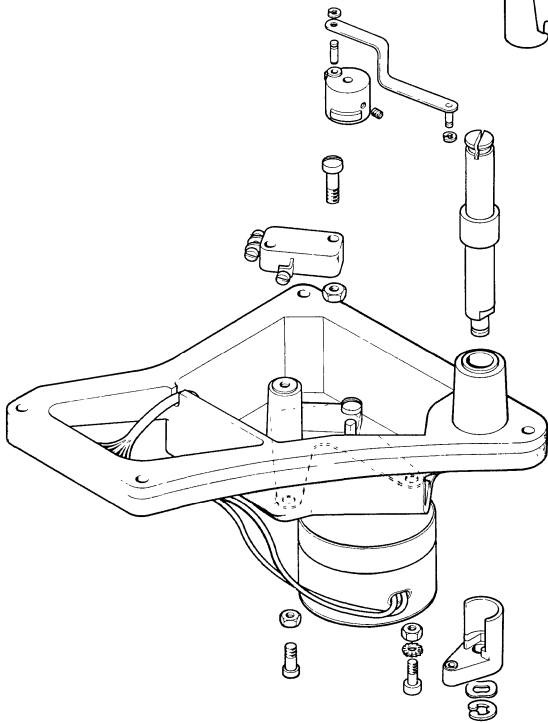
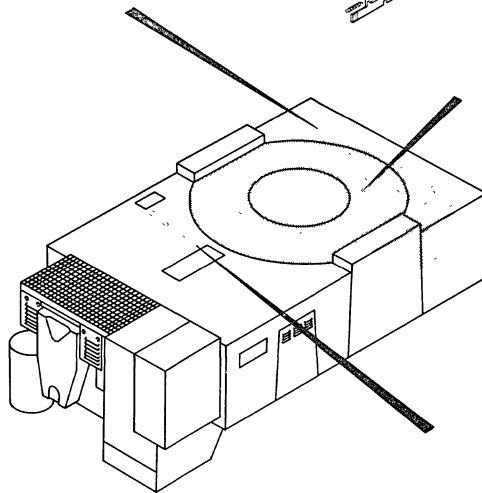


FIGURE 12 BRUSH DRIVE ASSEMBLY - 60Hz

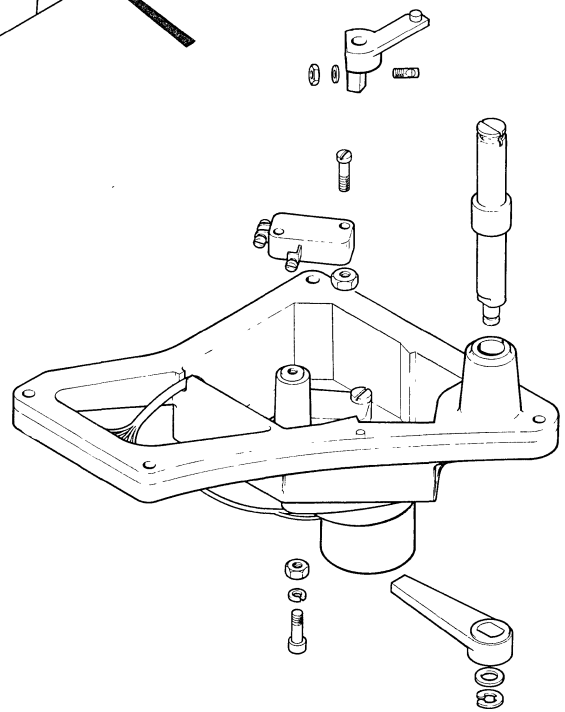


FIGURE 11. BRUSH DRIVE ASSEMBLY - 50Hz

Abbreviations

AL	Aluminium	IT	Internal Teeth
ASM	Assembly	LCK	Lock
BD	Binding	LG	Long
BIND	Binding	LH	Left Hand
COMPR	Compression	MACH	Machine
CON	Connection	MFI	Machine Features Index
CONN	Connection	MTG	Mounting
CSK	Countersunk	NOM	Nominal
CSTMZ	Customized	OD	Outside Diameter
DIA	Diameter	POS	Position
DK	Dark	RH	Right Hand
ECC	Eccentric	SELF TAP	Self Tapping
ET	External Teeth	SKT	Socket
EXT	External	SLOT	Slotted
FBM	Field Bill of Material	SOC	Socket
FIL	Fillister	THK	Thick
FL W	Flat Width (width between flats across hexagon)	THREADING	Threadforming
HD	Head	TTH	Teeth
HDLESS	Headless	UNC	Unified National Coarse
HEX	Hexagonal	UNDRCT	Undercut
HZ	Hertz	UNF	Unified National Fine
I/O	Input/Output	V	Volts
ID	Inside Diameter	W	Watts
INT	Internal	WSHR	Washer

GROUP ASSEMBLY PARTS LIST

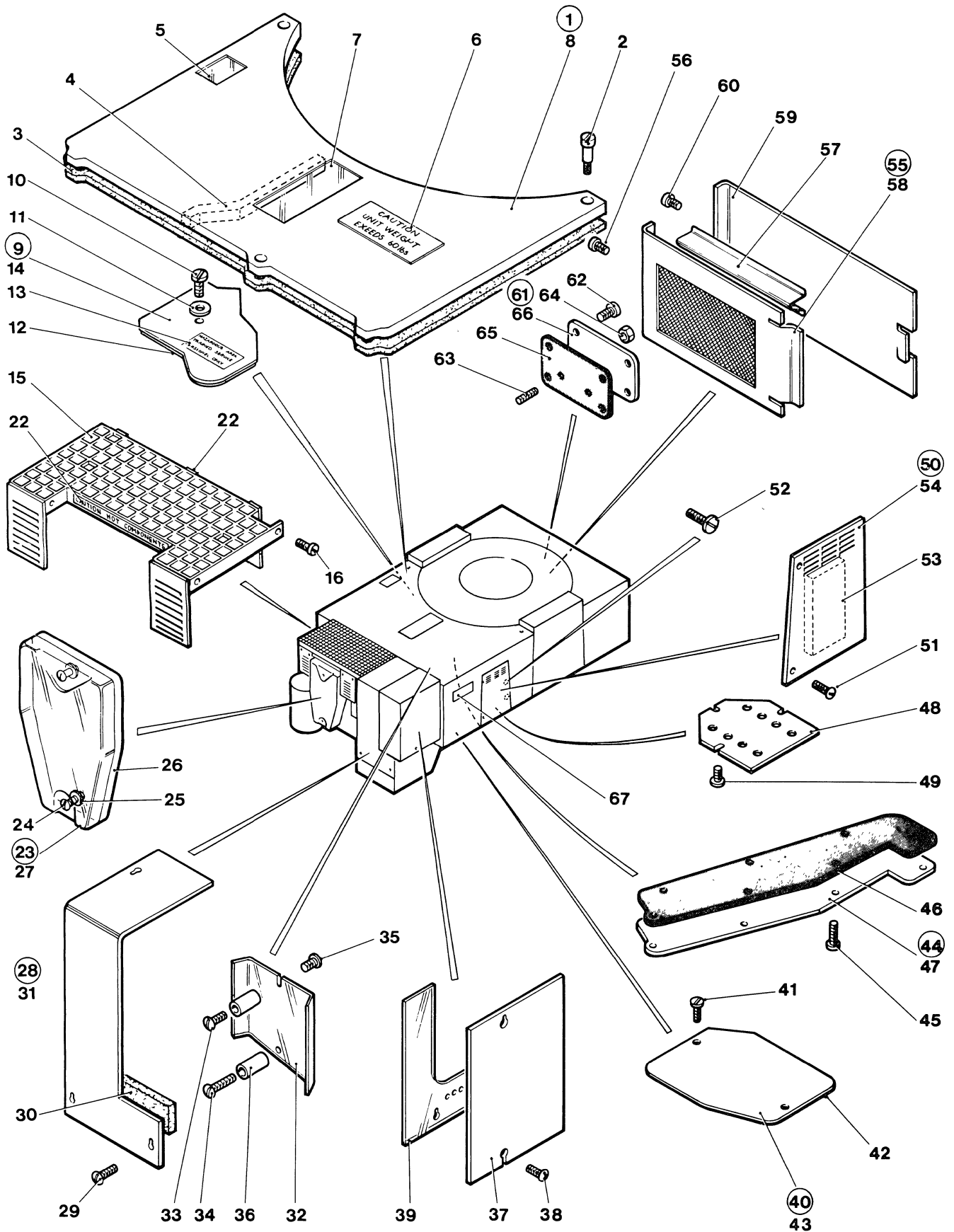


FIGURE 1. COVER GROUPS AND ASSEMBLIES

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		1 2 3 4		
		COVER GROUPS AND ASSEMBLIES		
1 -	NO NO	COVER GROUPS AND ASSEMBLIES	REF	
- 1	5144419	. COVER ASM	1	
- 2	2536616	. SCREW, SHOULDER, SLOT HD, 8-32UNC ATT PT	6	
		USED ON EARLIER MACHINES		
- 2	101807	. SCREW, SKT HD CAP, HEX, 8-32, 0.625LG ATT PT	3	
		USED ON LATER MACHINES WITH COVER ASM 5144419		
- 3	2598197	. . GASKET, FOAM RUBBER	1	
- 4	2536460	. . SEAL, RUBBER, SELF ADHESIVE	1	
- 5	2536477	. . WINDOW, ACETATE	1	
- 6	889325	. . LABEL	1	
- 7	5831824	. . WINDOW, MACHINE	1	
- 8	5144420	. . COVER PLATE	1	
- 9	2536473	. COVER ASM	1	
- 10	32042	. SCREW, MACH BIND HD, 10-32, 0.375LG ATT PT	1	
- 11	473079	. WSHR, NYLON, FLAT, 0.203ID, 0.438OD, 0.094THK ATT PT	1	
- 12	2536394	. . SEAL, RUBBER	1	
- 13	369207	. . LABEL, VOLTAGE	1	
- 14	2536393	. . COVER PLATE	1	
- 15	2600558	. COVER	1	
- 16	38235	. SCREW, MACH, BIND HD, 6-32, 0.312LG ATT PT	4	
- 22	2538125	. LABEL, SELF ADHESIVE	2	
- 23	2600561	. COVER ASM		
- 24	338238	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG ATT PT	REF	
		THIS SCREW IS HELD CAPTIVE BY ITEM 25	REF	
- 25	728509	. . RING	REF	
- 26	2600562	. . SEAL, DUST	REF	
- 27	2538055	. . COVER, TRANSPARENT	REF	
		ITEMS 23 THRU 27 ARE PART OF MOTOR ENCODER ASM (FIGURE 5)		
- 28	2538107	. COVER ASM	1	
- 29	251970	. SCREW, MACH, SLOT BIND HD, 4-40, 0.25LG ATT PT	3	
- 30	2538109	. . PAD, SELF ADHESIVE	1	
- 31	2538108	. . COVER	1	
- 32	2597963	. COVER, PERSPEX	1	
- 33	322550	. SCREW, MACH, BIND HD, 6-32, 0.5LG ATT PT	1	
- 34	322065	. SCREW, MACH, BIND HD, 6-32, 0.625LG ATT PT	1	
- 35	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG	2	
- 36	2597964	. SPACER	2	
- 37	2597912	. COVER	1	
- 38	55726	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.188LG ATT PT	2	
- 39	2537484	. SHIELD, TRANSPARENT	1	
- 40	2538136	. COVER ASM	1	
- 41	81693	. SCREW, MACH, BIND HD, 6-32, 0.375LG ATT PT	2	
- 42	2536242	. . SEAL, RUBBER, SELF ADHESIVE	1	
- 43	2538135	. . COVER	1	
		ITEMS 40 THROUGH 43 USED ONLY ON EARLIER MACHINES		
- 44	2597920	. COVER ASM	1	
- 45	5700484	. SCREW, SELF TAP, 4-40, 0.375LG ATT PT	7	
- 46	2536496	. . GASKET	1	
- 47	2536495	. . PLATE, COVER	1	
- 48	2536247	. COVER	1	
- 49	2181005	. SCREW, SELF TAP, HEX HD, WSHR, 6-32UNC, 0.375LG ATT PT	2	
- 50	2536390	. COVER ASM	1	
- 51	38442	. SCREW, MACH, SLOT FLAT HD, 6-32UNC, 0.25LG ATT PT	2	
- 52	2537511	. SCREW, SHOULDER, SLOT HD, 6-32UNC ATT PT	2	
- 53	2538109	. . PAD, SELF ADHESIVE	1	
		LATER MACHINES USE ONE SCREW ONLY		
- 54	2536389	. . COVER PLATE	1	
- 55	2537509 NP	. COVER ASM		
		ITEM 55 REPLACED BY ITEM 57		
- 56	5700484	. SCREW, SELF TAP, 4-40UNC, 0.375LG ATT PT	1	
- 57	5144447	. CLIP, CARD RETAINING	2	
- 59	2537504	. COVER, FRONT	1	
- 60	5700484	. SCREW, SELF TAP, 4-40UNC, 0.375LG ATT PT	1	

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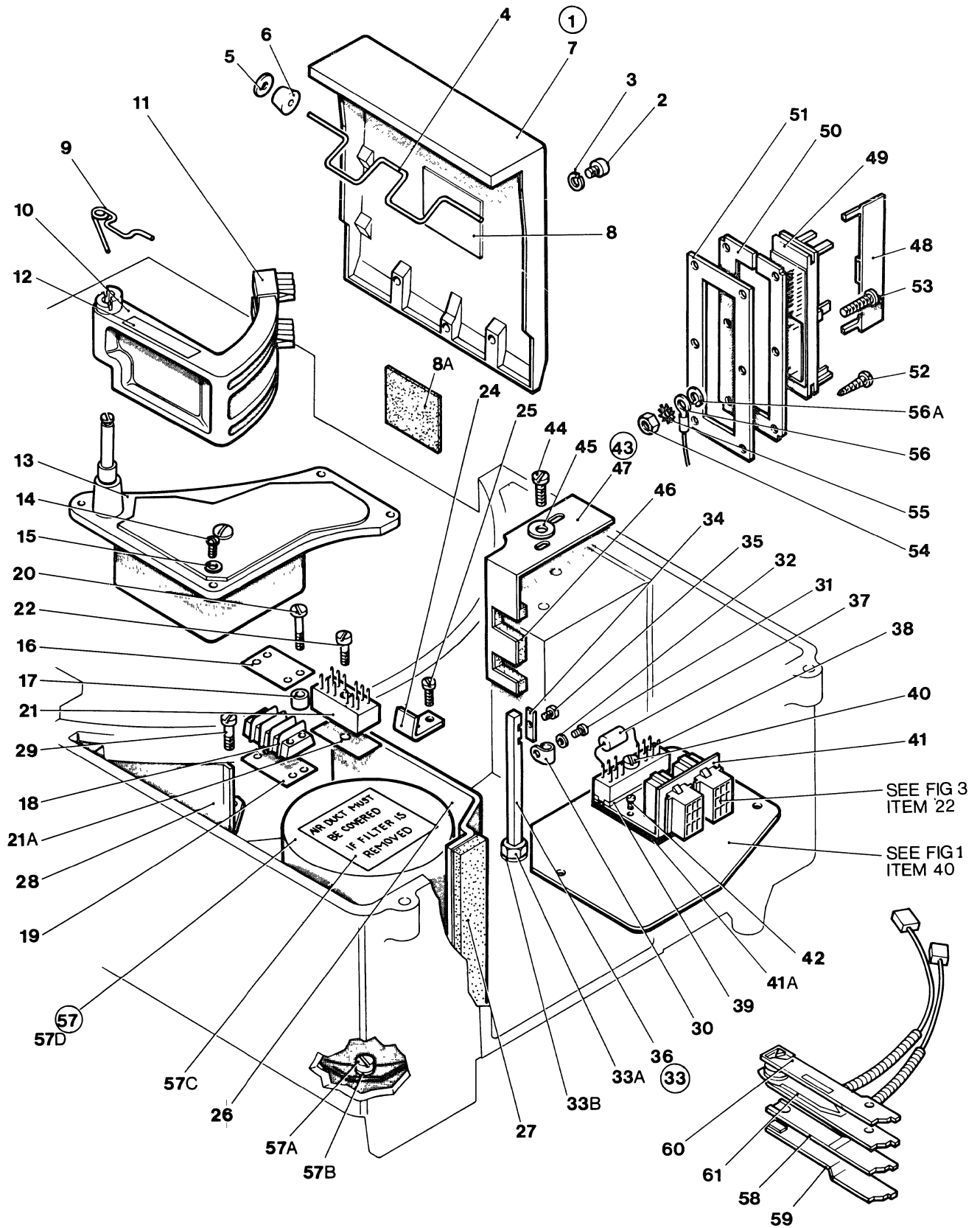


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 1 OF 4)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		1 2 3 4		
		5444 DISK FILE,FINAL ASSEMBLY (PART 1 OF 4)		
2 - - 1	2538101 NP 2537485	FINAL ASSEMBLY,5444 DISK FILE . CLAMP ASM EARLY MACHINES HAVE FABRICATED SHEET METAL CLAMPS. ITEM 1,CLAMP ASM,MUST BE ORDERED IF ANY PART OF A FABRICATED CLAMP NEEDS REPLACING. IT IS RECOMMENDED THAT FABRICATED CLAMPS BE REPLACED IN PAIRS	REF 2	
- 2 - 3 - 4 - 5 - 6 - 7 - 8	149897 1090873 2598007 2537357 2537473 2598005 2775926	. SCREW,HEX,SKT HD CAP,8-32UNC,0.375LG ATT PT . WSHR,LCK,SPR,0.168ID,0.296OD,0.046THK ATT PT . . SPRING . . WASHER . . ROLLER . . CLAMP . . PAD,SELF ADHESIVE USED IN USA ONLY	6 6 1 2 2 1 2	
- 8A	5144354	. PAD,SELF ADHESIVE USED IN WORLD TRADE ONLY	2	
- 9	5831955	. CLIP,SPRING	1	
- 10	2536285	. BRUSH ARM	1	
- 11	2536376	. BRUSH ASM ASM COMPONENTS ARE NOT REPLACEABLE	1	
- 12	5144339	. LABEL,SELF ADHESIVE	1	
- 13	2536345	. BRUSH DRIVE ASM,50HZ FOR DETAIL BREAKDOWN SEE FIGURE 11	1	
- 13	5144330	. BRUSH DRIVE ASM,60HZ FOR DETAIL BREAKDOWN SEE FIGURE 12	1	
- 14	322551	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.75LG ATT PT	4	
- 15	62031	. WASHER,LOCK,INT TEETH,0.295OD ATT PT	4	
- 16	2536359	. SHIELD,INSULATOR	1	
- 17	210883	. STUD,SHIELD MFG,TAPPED,6-32	2	
- 18	323837	. TERMINAL BLOCK ASM,15A,3 SCREW CONN	1	
- 19	5364151	. STRIP,MARKER	1	
- 20	10170	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG ATT PT	2	
- 21	5144427	. TERMINAL BOARD ASM	1	
- 21A	852959	. INSULATOR,SHIELD	1	
- 22	382666	. SCREW MACH,SLOT FIL HD,4-40UNC,0.5LG	1	
- 24	2598076	. BRACKET	1	
- 25	2181005	. SCREW,SELF TAP,HEX HD,WSHR,6-32UNC,0.375LG ITEMS 24 AND 25 NOT USED ON LATER MACHINES	2	
- 26	2537356	. SHIELD,PLASTIC	1	
- 27	2598175	. PAD ASM ASM COMPONENTS ARE NOT REPLACEABLE	1	
- 28	2536615	. DEFLECTOR	1	
- 29	38235	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.312LG ATT PT	2	
- 30	5213276	. CLAMP,CABLE	1	
- 31	186923	. SCREW,SKT HD CAP,6-FLUTE,4-40UNC,0.25LG	1	
- 32	257985	. WASHER,FLAT,0.25OD,0.028THK	1	
- 33	5831723	. CLAMP POST ASM	1	
- 33A	11598	. NUT,MACH HEX,10-32 ATT PT	1	
- 33B	237032	. WASHER,FLAT,0.75OD,0.2188ID,0.062THK ATT PT	1	
- 34	5831721	. . PLATE	1	
- 35	186924	. . SCREW,SKT HD CAP,6-FLUTE,4-40UNC,0.375LG ATT PT	1	
- 36	5831720	. . CLAMP,POST	1	
- 37	210921	. DIODE ASM	4	
- 38	302090	. BOARD ASM,TERMINAL	1	
- 39	302131	. INSULATOR	1	
- 40	2191846	. SCREW,MACH,PAN HD,4.40UNC,0.5LG ATT PT	1	
- 41	2600567	. PLATE USED ON EARLIER MACHINES	1	
- 41	5144373	. PLATE USED ON LATER MACHINES	1	
- 41A	5144374	. SEAL USED ONLY ON LATER MACHINES	1	
- 42	438548	. SCREW,MACH,SLOT BIND HD,4-40UNC,0.188LG ATT PT	2	
- 42	2181005	. SCREW,SELF TAP,HEX HD,WSHR,6-32,0.375LG USED ON LATER MACHINES	2	
- 43	2536602	. BRACKET,ASM	1	
- 44	10170	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG ATT PT	2	
- 45	62031	. WASHER,LOCK,INT TEETH,0.295OD ATT PT	2	
- 46	2536601	. . SEAL,SELF ADHESIVE	1	
- 47	5831862	. . BRACKET	1	
		ITEMS 43 THROUGH 47 USED ONLY ON EARLIER MACHINES		

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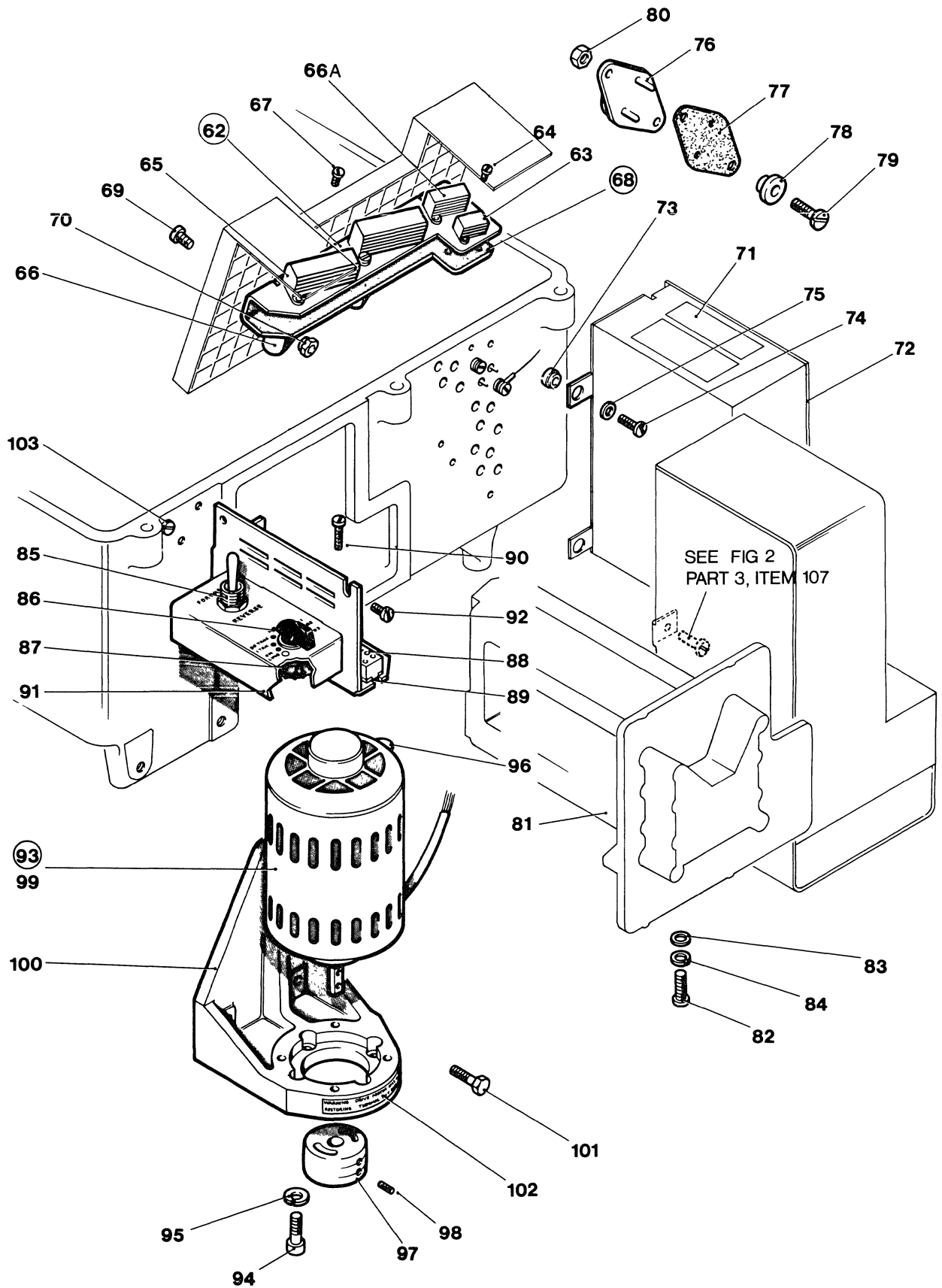


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 2 OF 4)

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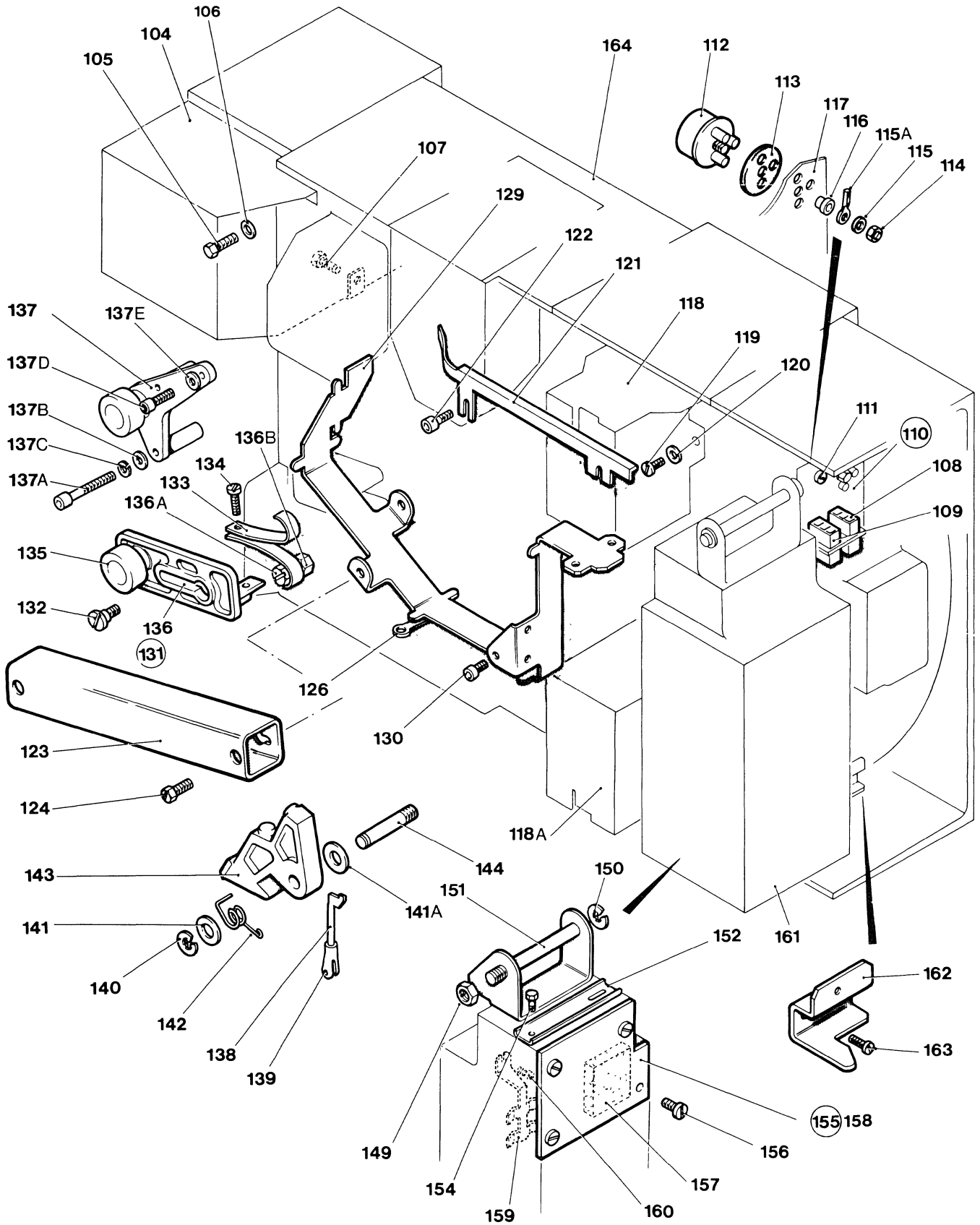


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 3 OF 4)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		5444 DISK FILE,FINAL ASSEMBLY (PART 3 OF 4)					
2 - -104	2538101 NP 5144595	FINAL ASSEMBLY,5444 DISK FILE • DC BOX ASM USED ON STANDARD SPEED MODELS ONLY SEE FIGURE 8 FOR DETAIL BREAKDOWN				REF 1	
-104	5144596	• DC BOX ASM USED ON HIGH SPEED MODELS ONLY SEE FIGURE 8 FOR DETAIL BREAKDOWN				1	
-105 -106	5319854 22478	• SCREW,SELFTAP,HEX HD,8-32UNC,0.375LG ATT PT • WASHER,FL,0.17ID,0.375OD,0.32THK ATT PT				2 4	
-107	2181005	• SCREW,SELFTAP,HEX HD,WSHR,6-32,0.375LG				1	
-108	725557	• HOUSING,CONNECTOR (AMBER)				1	
-109	4121101	• HOUSING,CONNECTOR (WHITE)				1	
-110	2537508	• BRACKET ASM,TRANSISTOR				1	
-111	81693	• SCREW,MACH,BIND HD,6-32,0.375LG ATT PT				2	
-112	526898	• . . TRANSISTOR,PNP022				1	
-113	2537490	• . . INSULATOR				1	
-114	11598	• . . NUT,PLAIN,HEX 10-32,0.375 FL W ATT PT				1	
-115	56079	• . . WASHER,LOCK,EXT TTH,0.195ID,0.410OD ATT PT				1	
-115A	316996	• TERMINAL,LUG				1	
-116	2537488	• . . BUSH,INSULATING				1	
-117	2537502	• . . PLATE,MOUNTING				1	
-118	2537310	• CLAMP ASM,LH FOR DETAIL BREAKDOWN SEE FIGURE 6				1	
-118A	2537309	• CLAMP ASM,RH FOR DETAIL BREAKDOWN SEE FIGURE 7				1	
-119	5319854	• SCREW,THD CUTTING,HEX HD,8-32,0.375LG ATT PT				3	
-120	55901	• WASHER,LOCK,EXT TEETH 0.381OD ATT PT				3	
-121	2537512	• GUIDE				1	
-122	186927	• SCREW,SKT HD CAP,6-FLUTE,6-32UNC,0.25LG ATT PT				2	
-123	2598074	• CABLE DUCT				1	
-124	5319854	• SCREW,THD CUTTING,HEX HD,8-32,0.375LG ATT PT				2	
-126	811427	• STRAP,CABLE				9	
-129	2598090	• GUIDE,CABLE				1	
-130	5319854	• SCREW,THD CUTTING,HEX HD,8-32,0.375LG ATT PT				2	
-131	2537374	• ARM ASM				1	
-132	2537376	• SCREW,SHOULDER,SLOT HD,0.25-20UNC ATT PT				1	
-133	2537373	• . . SPRING				2	
-134	10170	• . . SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG ATT PT				1	
-135	251262 NR	• . . WHEEL,BALL BEARING				1	
-136	2537372	• . . BRACKET				1	
-136A	59649	• SCREW,SLIT HEX HD,0.25-20,2.0LG				2	
-136B	3960	• LOCKNUT,0.25-20				2	
-137	2538117	• IDLER ASM ASM COMPONENTS ARE NOT REPLACEABLE				1	
-137A	459303	• SCREW,SOCKET,HEX,0.25-20,2.0LG ATT PT				2	
-137B	6935	• WASHER,LOCK,SPLIT,0.25ID,0.493OD ATT PT				2	
-137C	3550	• WASHER,FLAT,0.25ID,0.5625OD,0.05THK ATT PT				2	
-137D	120357	• SCREW,HEX,SLOT HD,0.25-20,1.5LG ATT PT				1	
-137E	3550	• WASHER,FLAT,0.25ID,0.5625OD,0.05THK ATT PT				1	
-138	1093722	• LINK BACKSPACE				2	
-139	1070020	• CLEVIS ASM				2	
-140	219743	ASM COMPONENTS ARE NOT REPLACEABLE • CLIP,RETAINING,0.392ID,0.042THK				2	
-141	52905	• WASHER,FLAT,0.525ID,0.812OD,0.016THK ATT PT				2	
-141A	130985	• WSHR,FLAT,0.531ID,1.062OD,0.095THK				2	
-142	2537478	• SPRING,SPECIAL				2	
-143	2537479	• STOP,NYLON				2	
-144	2537480	• PILLAR				2	
-149	24107	• NUT,FINISHED,HEX,0.375-16UNC				1	
-150	237245	• CLIP,RETAIN-RING,0.3ID,0.66OD,0.035THK				1	
-151	2537497	• PIN,HINGE				1	
-152	2598196	• CLAMP				1	
-154	2181005	• SCREW,SELFTAP,HEX HD,WSHR,6-32UNC,0.375L ATT PT				2	
-155	2537500	• PLATE ASM				1	
-156	438548	• SCREW,MACH,SLOT BIND HD,4-40UNC,0.188LG ATT PT				4	
-157	2536274	• . . PAD,SELF ADHESIVE				1	
-158	2537499	• . . PLATE,REAR COVER				1	
-159	5144448	• CLAMP				1	
-160	438548	• SCREW,MACH,SLOT BIND HD,4-40UNC,0.188LG ATT PT				1	
-161	2538096	• 'Y' GATE ASM FOR DETAIL BREAKDOWN SEE FIGURE 10				1	
-162	2600565	• BRACKET				1	
-163	38235	• SCREW,MACH,SLOT BIND HD,6-32UNC,0.312LG ATT PT				1	
-164	2536503	• BASE CASTING ASM COMPONENTS ARE NOT REPLACEABLE				1	

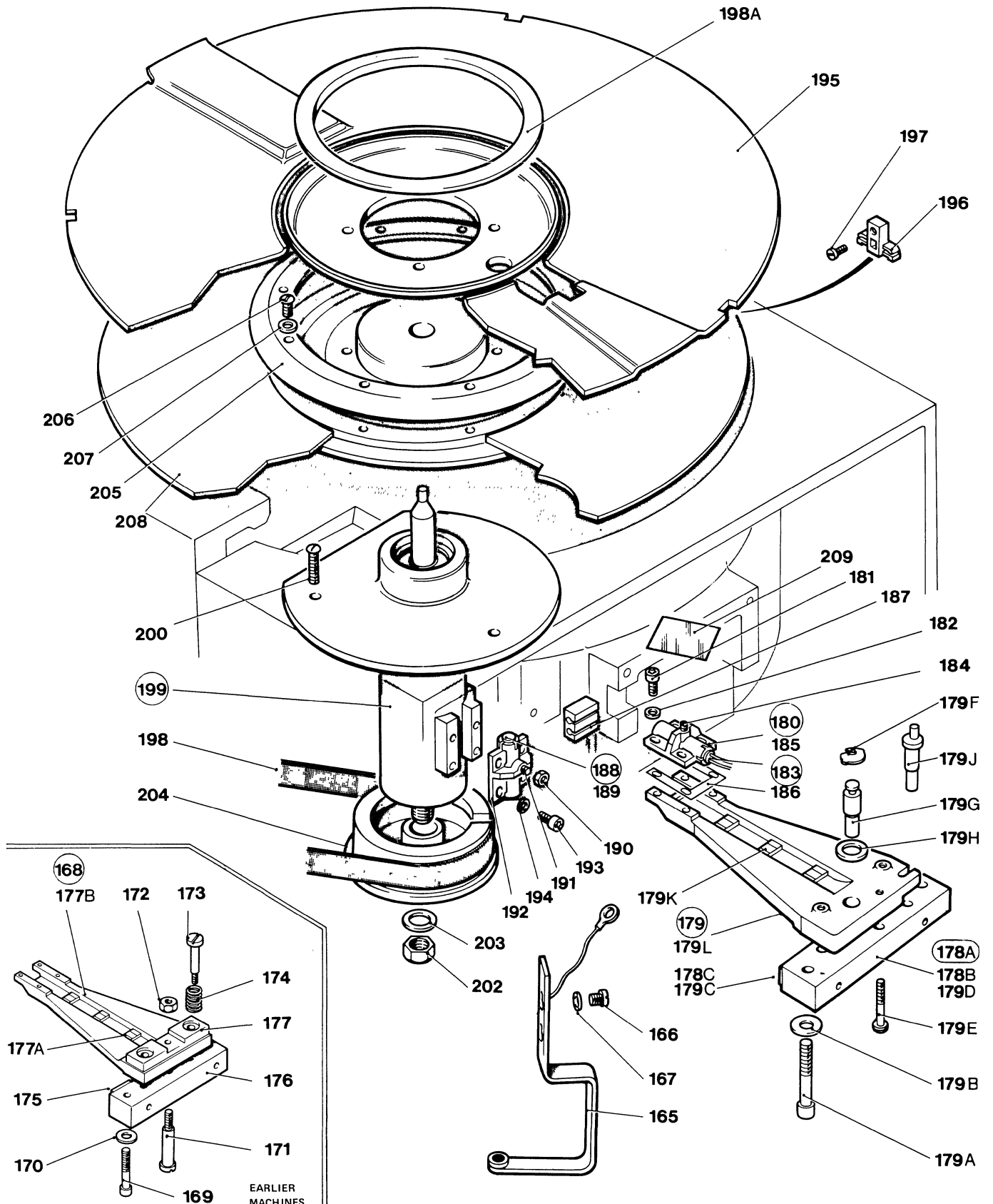


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 4 OF 4)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		5444 DISK FILE,FINAL ASSEMBLY (PART 4 OF 4)		
2 -	2538101 NP	FINAL ASSEMBLY,5444 DISK FILE	REF	
-165	5144436	. SPRING,ASM	1	
-166	10170	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG ATT PT	1	
-167	62031	. WASHER,LOCK,INT TEETH,0.295OD ATT PT	1	
-168	2536454	. BOOM ASM,TRANSDUCER	1	
		USED ON EARLIER MACHINES		
-169	186933	. SCREW,MACH,HEX SOC HD 10-32 X 1.250 LG ATT PT	2	
-170	45690	. WASHER,FL,0.4375OD,0.0313THK ATT PT	2	
-171	209033	. . SCREW,SHOULDER,10-32UNF	1	
-172	11598	. . NUT,PLAIN,HEX 10-32,0.375 FL W	1	
-173	5264648	. . SCREW,SHOULDER,SLOT,FLAT FIL HD,10-32UNF	2	
-174	603863	. . SPRING	2	
-175	2536453	. . SEAL,SELF ADHESIVE	1	
-176	2536451	. . SUPPORT BLOCK	1	
-177	2536452	. . PLATE	1	
-177A	5831923	. . CLAMP,CABLE,RUBBER	3	
-177B	2536450	. . BOOM,TRANSDUCER	1	
-178A	5144604	. PLATE ASM	1	
-178B	5144603	. . PLATE	1	
-178C	5144368	. . SEAL,SELF ADHESIVE	1	
		ITEMS 179 TO 186 REQUIRED ON TWIN DISK MODELS ONLY		
-179	5144360	. BOOM ASM,TRANSDUCER	1	
		USED ON LATER MACHINES		
-179A	186933	. SCREW,MACH,HEX SOC HD,10-32,1-25LG ATT PT	2	
-179B	45690	. WASHER,FL,0.4375OD,0.0313THK ATT PT	2	
-179C	5144368	. SEAL,SELF ADHESIVE	1	
-179D	5144364	. PLATE	1	
-179E	19944	. SCREW,MACH,SLOT BD HD,8-32,0.75LG	3	
-179F	5144389	. CLIP	1	
-179G	5144366	. SHAFT	1	
-179H	161351	. WASHER,FLAT,0.33ID,0.625OD,0.05THK	1	
-179J	5144365	. CAM	1	
-179K	5831923	. CLAMP,CABLE,RUBBER	3	
-179L	5144365	. BOOM,TRANSDUCER	1	
-180	2598087	. TRANSDUCER ASM,UPPER (INCLUDES SHIMS)	1	
-181	186923	. SCREW,SKT HD CAP,6-FLUTE,4-40UNC,0.25LG ATT PT	4	
-182	257985	. WASHER,FLAT,0.25OD,0.028THK ATT PT	4	
-183	2536272 NR	. . TRANSDUCER	1	
-184	257956	. . SETSCREW,SPLINE DR FP 4-40 X 1/8 LG ATT PT	1	
-185	5831921 NR	. . HOUSING	1	
-186	5831988	. . SHIM,0.002 THK (TWO SUPPLIED WITH ITEM 180)	AR	
-186	5831989	. . SHIM,0.003 THK (TWO SUPPLIED WITH ITEM 180)	AR	
-186	5831990	. . SHIM,0.008 THK (TWO SUPPLIED WITH ITEM 180)	AR	
-186	5831991	. . SHIM,0.020 THK (TWO SUPPLIED WITH ITEM 180)	AR	
		FOR OTHER COMPONENT PARTS SEE FIGURE 14 -18,-36		
-187	5831922	. CABLE CLAMP,RUBBER	1	
-188	2536356	. COIL ASM	1	
-189	2283001 NR	. . TRANSDUCER	1	
-190	2114985	. NUT,SELF LKG HEX 4,40 X .062 THK ATT PT	1	
-191	257960	. SETSCREW,HEADLESS FP,4-40,0.25LG ATT PT	1	
-192	5831921	. HOUSING	1	
-193	251970	. SCREW,MACH,SLOT BIND HD,4-40,0.25LG ATT PT	4	
-194	257985	. WASHER,FLAT,0.25OD,0.028THK ATT PT	4	
-195	2536458	. SHIELD	1	
-196	5831709	. CLIP,LOWER SHIELD,NYLON ATT PT	4	
-197	5144466	. SCREW,MACH,SLOT FIL HD,4.40UNC,0.31LG ATT PT	4	
-198	2600599	. BELT,0.5 WIDE,49.5LG	1	
-198A	2207715	. . MAGNET	1	
-199	2600573	. SPINDLE ASM (WITH METAL PULLEY)	1	
		WHEN REPLACED,A NEW FIXED DISK (ITEM 208) MUST BE FITTED		
-200	5677	. SCREW,MACH,BIND HD 10-32 X 3/4 LG ATT PT	3	
-202	8163	. . NUT,PLAIN HEX 3/8-24 X 9/16 FL W ATT PT	1	
-203	453	. . WASHER,FL,3/8 X 13/16 OD X 1/16 THK ATT PT	1	
-204	2598195	. . PULLEY	1	
		OTHER ASM COMPONENTS ARE NOT REPLACEABLE		
-205	5831713	. CLAMP,RING	1	
-206	34512	. SCREW,MACH,SLOT BIND HD,8-32,0.375LG ATT PT	8	
-207	2219193	. WSHR,FLAT 0.195 ID 0.44 OD 0.015THK ATT PT	8	
-208	2597938	. DISK,FIXED,REPLACEMENT PACK	1	
-209	5831793	. WINDOW	1	
		NOT USED ON LATER MACHINES		

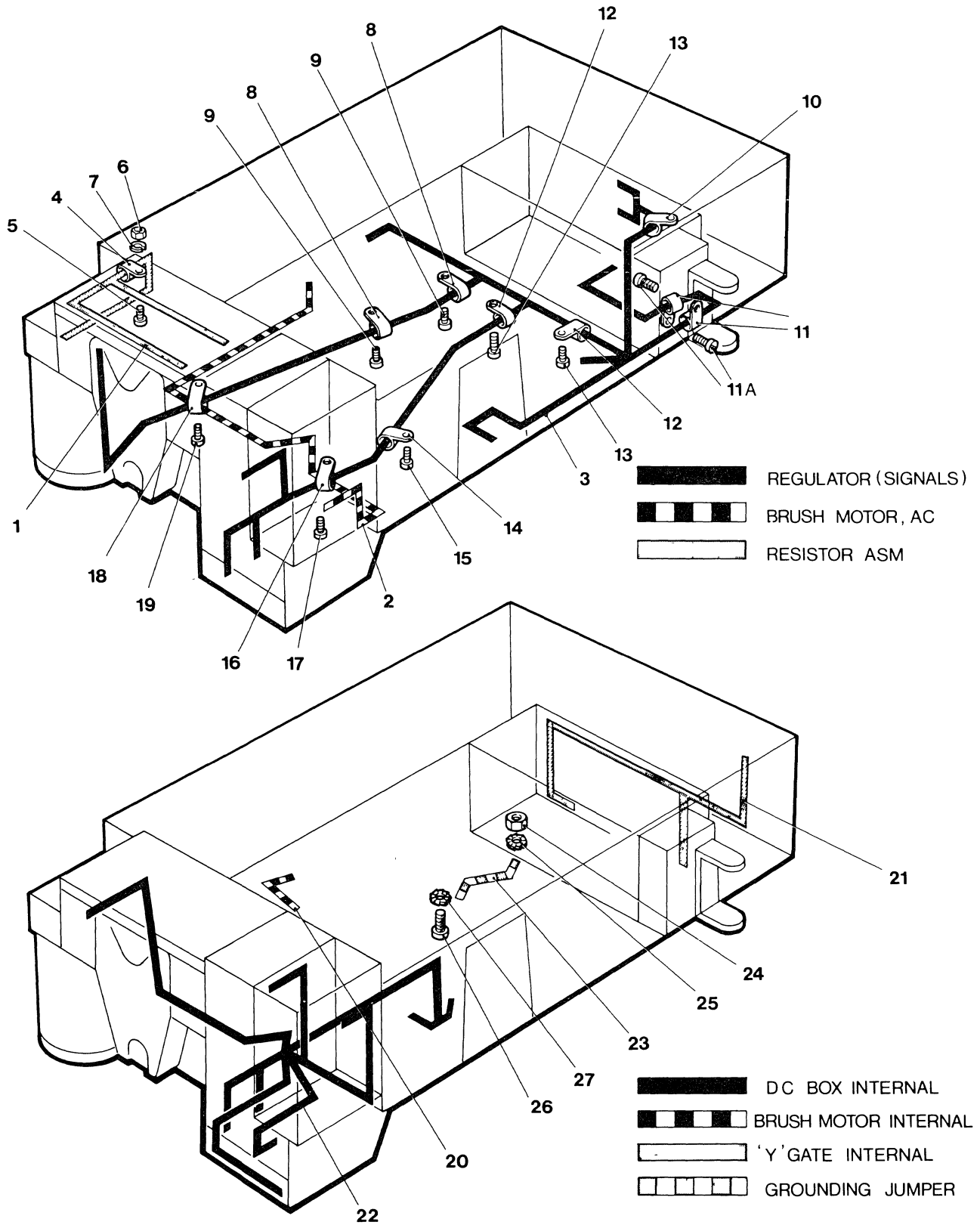


FIGURE 3. CABLE ASSEMBLIES (PART 1 OF 2)

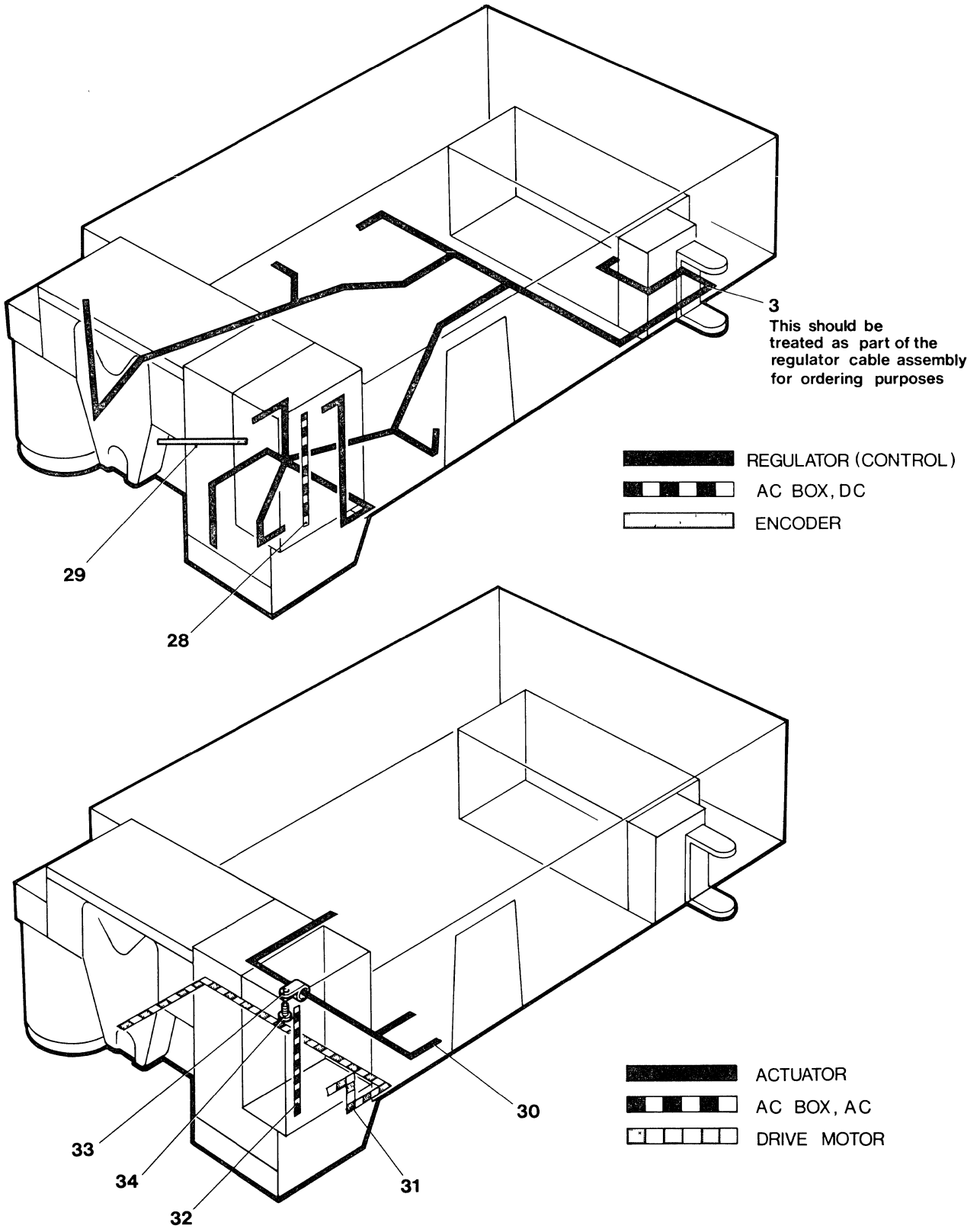


FIGURE 3. CABLE ASSEMBLIES (PART 2 OF 2)

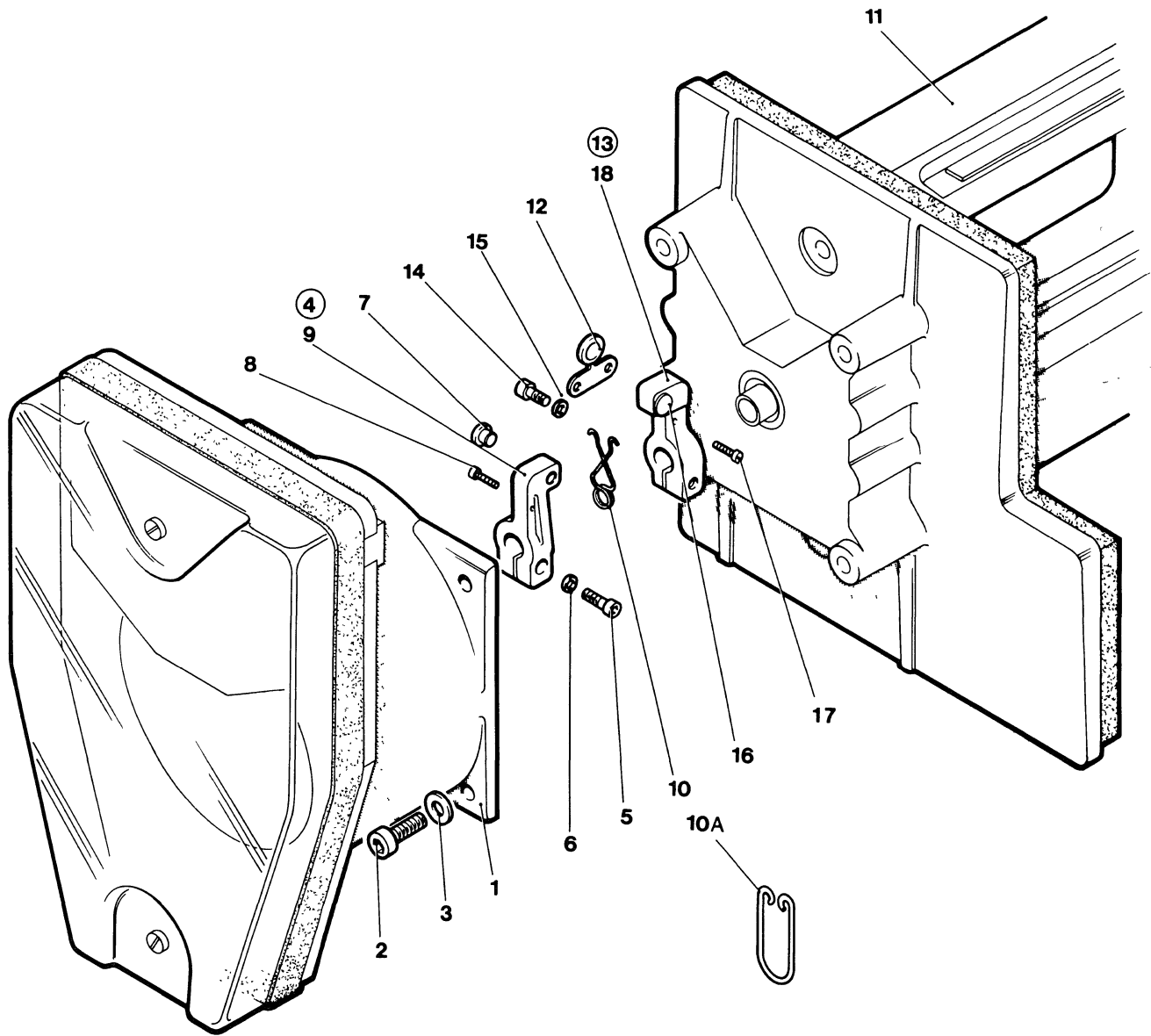


FIGURE 4. ACTUATOR ASSEMBLY (PART 1 OF 4)

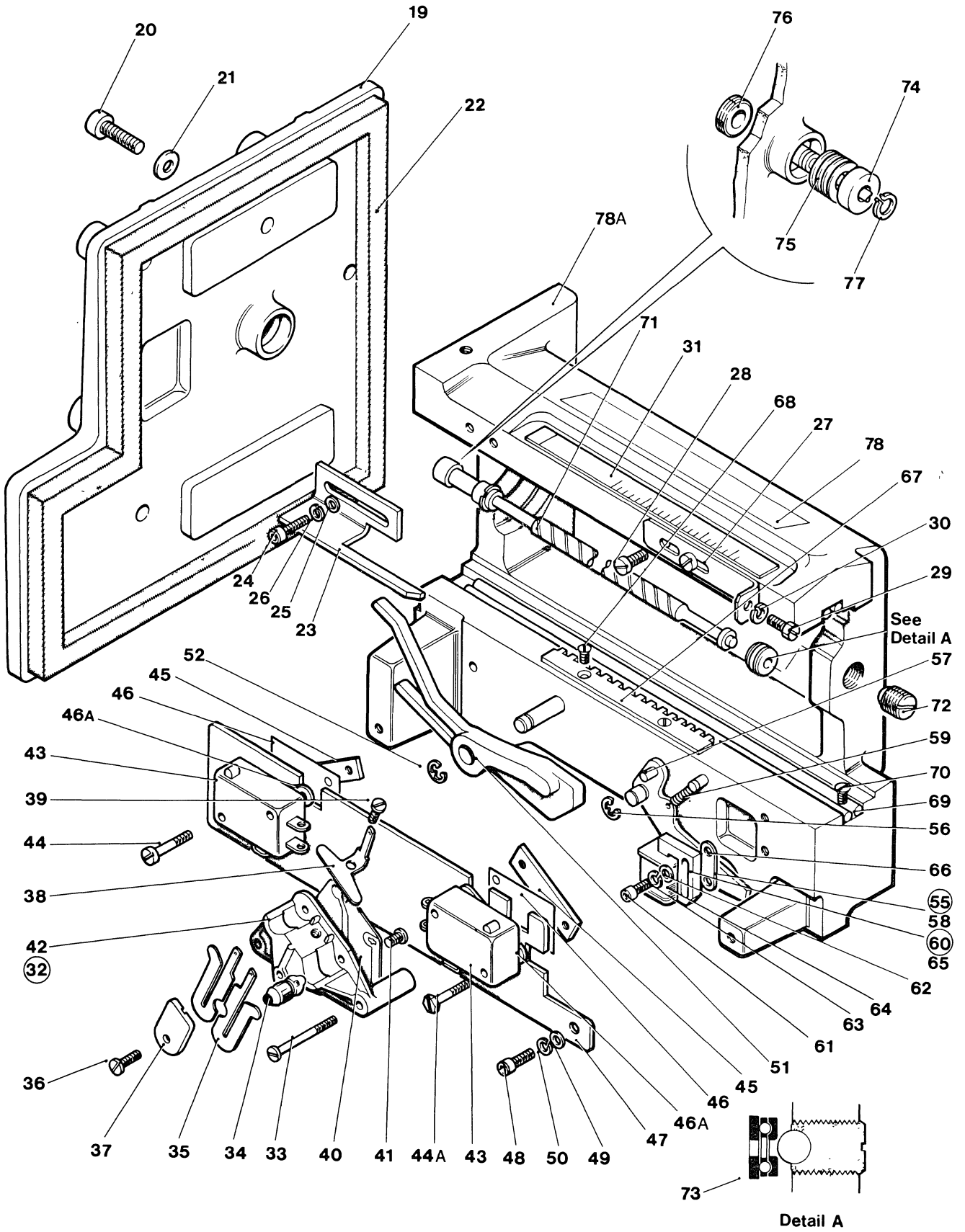


FIGURE 4. ACTUATOR ASSEMBLY (PART 2 OF 4)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		1 2 3 4		
		ACTUATOR ASSEMBLY (PART 2 OF 4)		
4 -	2538111	ACTUATOR ASSEMBLY	REF	
-	2600589	FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
-	2538068 NR	. . ACTUATOR MECHANISM ASM (CONTINUED)		
- 19	2538068 NR	. . CASTING, MOTOR MOUNT	1	
- 20	104763	ASM COMPONENTS ARE NOT REPLACEABLE		
- 21	1116065	. . SCREW, CAP, SOC HD, 10-32 X 1/2 LG	ATT PT	2
- 22	2538104	. . WASHER, FLAT	ATT PT	2
- 23	2538071	. . GASKET, SELF ADHESIVE		1
- 24	186924	. . BRACKET		1
- 25	257985	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	ATT PT	2
- 26	257984	. . WASHER, FLAT, 0.25OD, 0.028THK	ATT PT	2
- 27	2600560	. . WASHER, LOCK, SPLIT 1/8 ID X 13/64 OD	ATT PT	2
- 28	251970	. . BRACKET		1
- 29	1124827	. . SCREW, MACH, SLOT BIND HD, 4-40, 0.25LG	ATT PT	2
- 30	257984	. . SCREW, HEX HD, 4-40, 0.19LG		1
- 31	5831657	. . WASHER, LOCK, SPLIT 1/8 ID X 13/64 OD		1
- 32	2538089	. . LABEL, SELF ADHESIVE		1
- 33	138554	. . BULB ASM, INTERLOCK		1
- 34	369675	. . SCREW, MACH, BIND HD, 4-40, 1LG		2
- 35	2538016	. . LAMP		2
- 36	338238	. . SPRING, CONTACT		2
- 37	2538143	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG	ATT PT	1
- 38	2600510	. . RETAINER, SPRING		1
- 39	438548	. . CLAMP, SPRING		1
- 40	2538013	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG	ATT PT	1
- 41	338238	. . BOARD ASM		1
- 42	2538015	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG	ATT PT	1
- 43	2426288	. . HOLDER, LAMP		1
- 44	438551	. . SWITCH, PRECISION		2
- 44A	1171544	. . SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.625LG	ATT PT	2
- 45	2157349	. . SCREW, SLOT HEX HD, 4-40, 0.76LG	ATT PT	2
- 46	2538078	. . PLATE, SECTOR PULSE SWITCH	ATT PT	2
- 46A	2598038 NR	. . SPRING, SWITCH MOUNTING		2
- 47	2538077	. . PACKER		2
- 48	186924	. . PLATE, INTERLOCK		1
- 49	257985	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	ATT PT	3
- 50	257984	. . WASHER, FLAT, 0.25OD, 0.028THK	ATT PT	3
- 51	5144449	. . WASHER, LOCK, SPLIT 1/8 ID X 13/64 OD	ATT PT	3
- 52	257982	. . CAM, HEAD LOAD		1
- 55	2538007	. . CLIP, STUD RETAINING, 0.232 ID	ATT PT	1
- 56	257982	. . LEVER ASM		1
- 57	104696 NR	. . CLIP, STUD RETAINING, 0.232 ID	ATT PT	1
- 58	2538008 NR	. . PIN, DOWEL, 0.1253 DIA, 0.5LG		1
- 59	2538072	. . LEVER, CAM HOLD		1
- 60	2538001	. . SPRING, EXTENTION		1
- 61	186924	. . SOLENOID ASM		1
- 62	257985	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	ATT PT	2
- 63	257984	. . WASHER, FLAT, 0.25OD, 0.028THK	ATT PT	2
- 64	2426238 NR	. . WASHER, LOCK, SPLIT 1/8 ID X 13/64 OD	ATT PT	2
- 65	2538002 NR	. . COIL ASM		1
- 66	804480	. . CORE, MAGNETIC		1
- 67	5831892 NR	FOR OTHER COMPONENT PARTS SEE FIGURE 14 -7		
- 68	52522	. . CLAMP		1
- 69	5831903	. . RACK, ACTUATOR		2
- 70	438536	. . SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.312LG	ATT PT	4
- 71	2538062 NR	. . SHAFT, RACEWAY		4
- 72	5831852 NR	. . SCREW, MACH, FLAT HD, 2-56 X 1/2 LG	ATT PT	2
- 73	2600591 NR	. . LEADSCREW ASM		1
- 74	2538064 NR	ASM COMPONENTS ARE NOT REPLACEABLE		
- 75	2538065 NR	. . SCREW ASM		1
- 76	2538067 NR	. . THRUST BEARING		1
- 77	2538066	. . BEARING		1
- 78	5144454	. . WASHER		8
- 78A	2538032 NR	. . SCREW		1
		. . RING, RETENTION		1
		. . LABEL, SELF ADHESIVE		1
		. . CASTING, ACTUATOR		1
		ASM COMPONENTS ARE NOT REPLACEABLE		

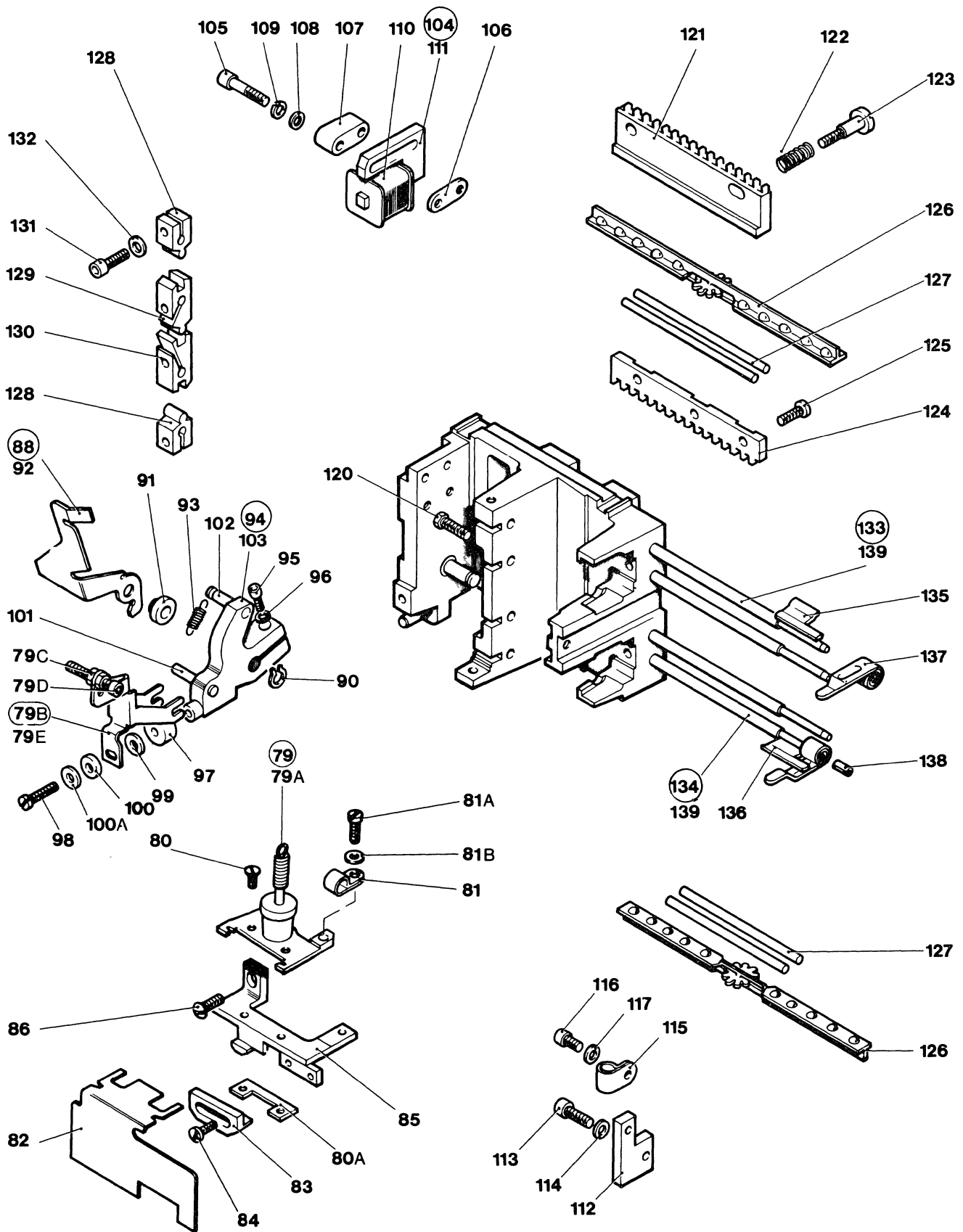


FIGURE 4. ACTUATOR ASSEMBLY (PART 3 OF 4)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		ACTUATOR ASSEMBLY (PART 3 OF 4)					
4 -	2538111	ACTUATOR ASSEMBLY FOR NEXT HIGHER ASM SEE FIGURE 2				REF	
-	2600589	. ACTUATOR MECHANISM ASM (CONTINUED)				REF	
- 79	5144404	. . DASHPOT ASM				1	
- 79A	5144403 NR	. . . SPRING				1	
		OTHER ASM COMPONENTS ARE NOT REPLACEABLE					
- 79B	5144402	. . LEVER ASM				1	
- 79C	37913	. . NUT, HEX, 4-40 X .250 ID ATT PT				2	
- 79D	357820	. . SCREW, CAP, SOC HD 4-40 X 1/2 LG ATT PT				1	
- 79E	5144399	. . . LEVER				1	
- 80	438548	. . SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG ATT PT				2	
- 80A	5144395	. . PLATE, NUT ATT PT				1	
- 81	5213276	. . CLAMP, CABLE				1	
- 81A	338238	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG ATT PT				1	
- 81B	257985	. . WASHER, FLAT, 0.25OD, 0.028THK ATT PT				1	
- 82	2600584	. . FLAG				1	
- 83	2538080	. . STRIKER, SWITCH				1	
- 84	251970	. . SCREW, MACH, SLOT BIND HD, 4-40, 0.25LG ATT PT				2	
- 85	5144394	. . BRACKET, STRIKER				1	
- 86	35739	. . SCREW, MACH, SLOT BIND HD, 6-32, 0.9375LG				1	
- 88	2538054	. . LEVER ASM				1	
- 90	25282	. . RING, RETAINING, EXT 0.125 ID X 0.015 THK ATT PT				1	
- 91	2538043 NR	. . . BUSH				1	
- 92	2538070 NR	. . . LEVER				1	
- 93	2538073	. . SPRING, EXTENSION				1	
- 94	2538005	. . ARM ASM, HEAD LOAD				1	
- 95	186924	. . SCREW, CAP, FLUTED SOC HD, 4-40, 0.375LG ATT PT				1	
- 96	257985	. . WASHER, FLAT, 0.25OD, 0.028THK ATT PT				1	
- 97	5144421	. . . BEARING				1	
- 98	438539	. . . SCREW, MACH, UNDRCT BIND HD 2-56 X 5/16 LG ATT PT				1	
- 99	1132574	. . . WASHER, FLAT, 0.094ID, 0.25OD, 0.015THK ATT PT				1	
-100	642371	. . . WASHER, FLAT, 0.094ID, 0.25OD, 0.031THK ATT PT				1	
-100A	263217	. . . WSHR, LOCK, INT TTH, 0.09ID, 0.18OD, 0.013THK ATT PT				1	
-101	744103 NR	. . . PIN				1	
-102	802388 NR	. . . STUD				1	
-103	2538006	. . . ARM, HEAD LOAD				1	
-104	2538020	. . SOLENOID ASM				1	
-105	186926	. . SCREW, SOCKET HD CAP, 6-FLUTE, 4-40, 0.75LG ATT PT				2	
-106	2538074	. . PLATE, THREADED ATT PT				1	
-107	2600534	. . SPACER				1	
		ONLY REQUIRED WHEN 2538027 IS FITTED AS ITEM -165					
-108	257985	. . WASHER, FLAT, 0.25OD, 0.028THK ATT PT				2	
-109	257984	. . WASHER, LOCK, SPLIT 1/8 ID X 13/64 OD ATT PT				2	
-110	2426238 NR	. . . COIL ASM				1	
-111	2538021 NR	. . . CORE, MAGNETIC				1	
		FOR OTHER COMPONENT PARTS SEE FIGURE 14 -7					
-112	2600563	. . PLATE, CLAMP				1	
-113	186924	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG				1	
-114	257985	. . WASHER, FLAT, 0.25OD, 0.028THK				1	
-115	5213276	. . CLAMP, CABLE				1	
-116	186923	. . SCREW, CAP HD, 6-FLUTE, 4-40, 0.25LG ATT PT				1	
-117	257985	. . WASHER, FLAT, 0.25OD, 0.028THK ATT PT				1	
-120	2536431	. . SCREW, LOCKING, HEX HD, 4-40UNC, 0.5LG				4	
-121	2537348 NR	. . RACK, CARRIAGE				1	
-122	2538090 NR	. . SPRING, COMPRESSION				2	
-123	2536649 NR	. . SCREW, SHOULDER, SLOT HD, STAINLESS, 4-40UNC ATT PT				2	
-124	2538088 NR	. . RACK, CARRIAGE				1	
-125	338238	. . SCREW, MACH, BD HD, 4-40UNC, 0.3125LG ATT PT				3	
-126	5831682 NR	. . CAGE ASM				2	
		ASM COMPONENTS ARE NOT REPLACEABLE					
-127	2538091 NR	. . SHAFT, CARRIAGE				4	
-128	2537341	. . LINK, HEAD LOAD				2	
-129	2537340	. . LINK, HEAD LOAD				1	
-130	2537339	. . LINK, HEAD LOAD				1	
-131	186924	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG ATT PT				4	
-132	257985	. . WASHER, FLAT, 0.25OD, 0.028THK ATT PT				4	
-133	5831687	. . SHAFT ASM, DOWN				2	
-134	5831686	. . SHAFT ASM, UP				2	
-135	2598185 NR	. . . BRACKET, HEAD LOAD				2	
-136	2598184 NR	. . . BRACKET, HEAD LOAD				2	
-137	2598183 NR	. . . SPRING, HEAD LOAD				4	
-138	2598191 NR	. . . PIN				4	
-139	2598182 NR	. . . SHAFT, STAINLESS				4	

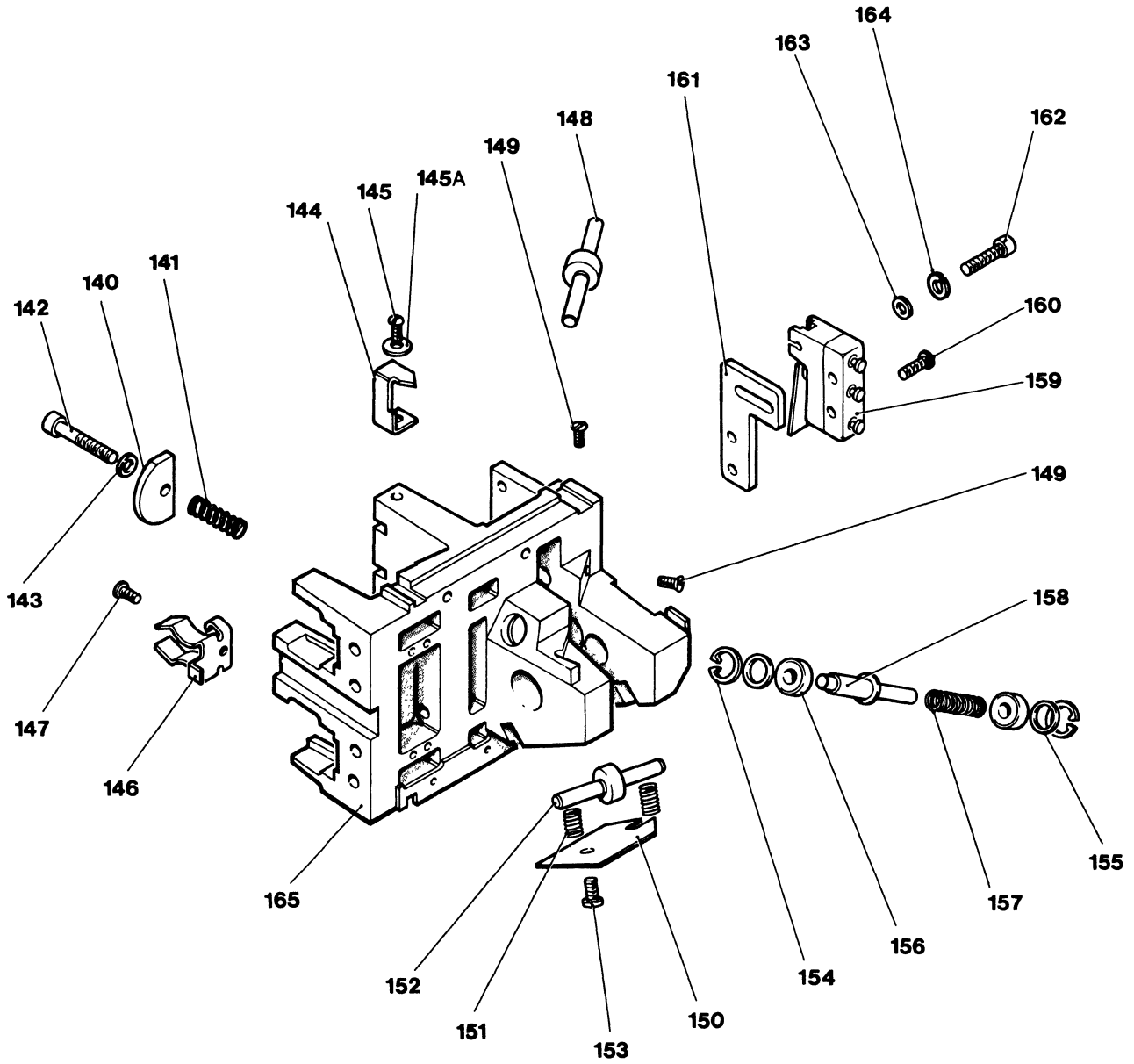


FIGURE 4. ACTUATOR ASSEMBLY (PART 4 OF 4)

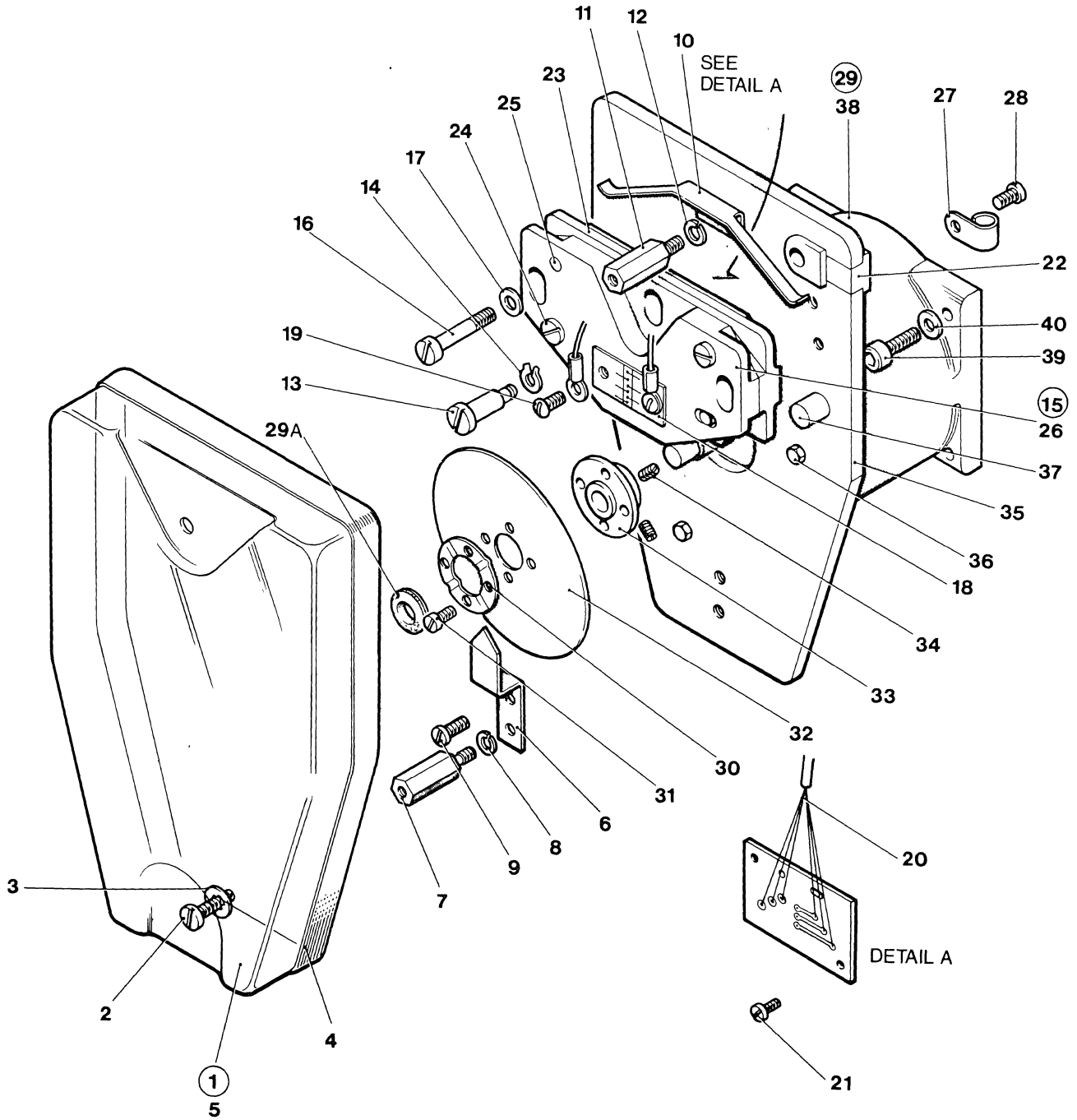


FIGURE 5. MOTOR ENCODER ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS	USABLE
			PER ASM.	ON CODE
		MOTOR ENCODER ASSEMBLY		
5 -	2538036	MOTOR ENCODER ASSEMBLY FOR NEXT HIGHER ASM SEE FIGURE 4	REF	
- 1	2600561	. COVER ASM	1	
- 2	338238	. . SCREW,MACH,BD HD,4-40UNC,0.3125LG	ATT PT	2
- 3	728509	. . RING	ATT PT	2
- 4	2600562	. . SEAL,DUST		1
- 5	2538055	. . COVER,TRANSPARENT		1
- 6	2538061	. INDICATOR,TRACK		1
- 7	2538056	. SHAFT	ATT PT	1
- 8	6364	. WASHER,LOCK,SPLIT 0.25OD	ATT PT	1
- 9	438566	. SCREW,MACH,BIND HD,6-32,0.125LG	ATT PT	1
- 10	2538059	. SPRING,RETENTION		1
- 11	2538056	. SHAFT	ATT PT	1
- 12	6364	. WASHER,LOCK,SPLIT 0.25OD	ATT PT	1
- 13	2538058	. SHAFT,ADJUSTING		1
- 14	147297	. RING,RETAINING,EXT 0.094 ID X 0.020 THK		1
- 15	2538045	. ENCODER ASM		1
- 16	438586	. SCREW,MACH,UNDRCT BIND HD 8-32 X 7/8 LG	ATT PT	2
- 17	22478	. WASHER,FL,0.17ID,0.375OD,0.32THK	ATT PT	2
- 18	2538047	. . LAMP ASM,ENCODER		1
- 19	1138818	. . SCREW,MACH,BIND HD,4-40 X 1/4 LG	ATT PT	2
- 20	2538046	. . CABLE HARNESS INCLUDES BOARD ASM (NOT REPLACEABLE)		1
- 21	48594	. . SCREW,MACH,BIND HD,6-32,0.25LG	ATT PT	2
- 22	2538127 NR	. . . GROMMET,RUBBER FOR OTHER COMPONENT PARTS SEE FIGURE 14 -5,-18,-30		1
- 23	2538052	. . PLATE,CELL		1
- 24	322550	. . SCREW,MACH,BIND HD,6-32,0.5LG	ATT PT	2
- 25	363011 NR	. . STUD		2
- 26	2538051	. . PLATE,LAMP MOUNTING		1
- 27	356742	. CLAMP,LOOP,0.25ID,0.177DIA MTG HOLE		1
- 28	1072433	. SCREW,CAP,SOC 8-32NC-2A	ATT PT	1
- 29	2538037	. MOTOR,DISK ASM		1
- 29A	123071	. . KNOB,GROMMET		1
- 30	2538039 NR	. . CLAMP,DISK		1
- 31	438548 NR	. . SCREW,MACH,SLOT BIND HD,4-40UNC,0.188LG	ATT PT	4
- 32	2538040 NR	. . DISK,ENCODER		1
- 33	2538038 NR	. . HUB,DISK		1
- 34	2600535 NR	. . SCREW,HDLESS SET,SOCKET,8-32,0.25LG		2
- 35	2538042 NR	. . SUPPORT,ENCODER		1
- 36	1124775 NR	. . SCREW,HEX HD,6-32,0.3LG	ATT PT	3
- 37	2538144 NR	. . SHAFT		2
- 38	2538041 NR	. . MOTOR ASM,STEPPING		1
- 39	104763	. SCREW,CAP,SOC HD,10-32,0.5LG PART OF ACTUATOR ASM - SEE FIGURE 4	REF	
- 40	45690	. WASHER,FL,0.4375OD,0.0313THK PART OF ACTUATOR ASM - SEE FIGURE 4	REF	

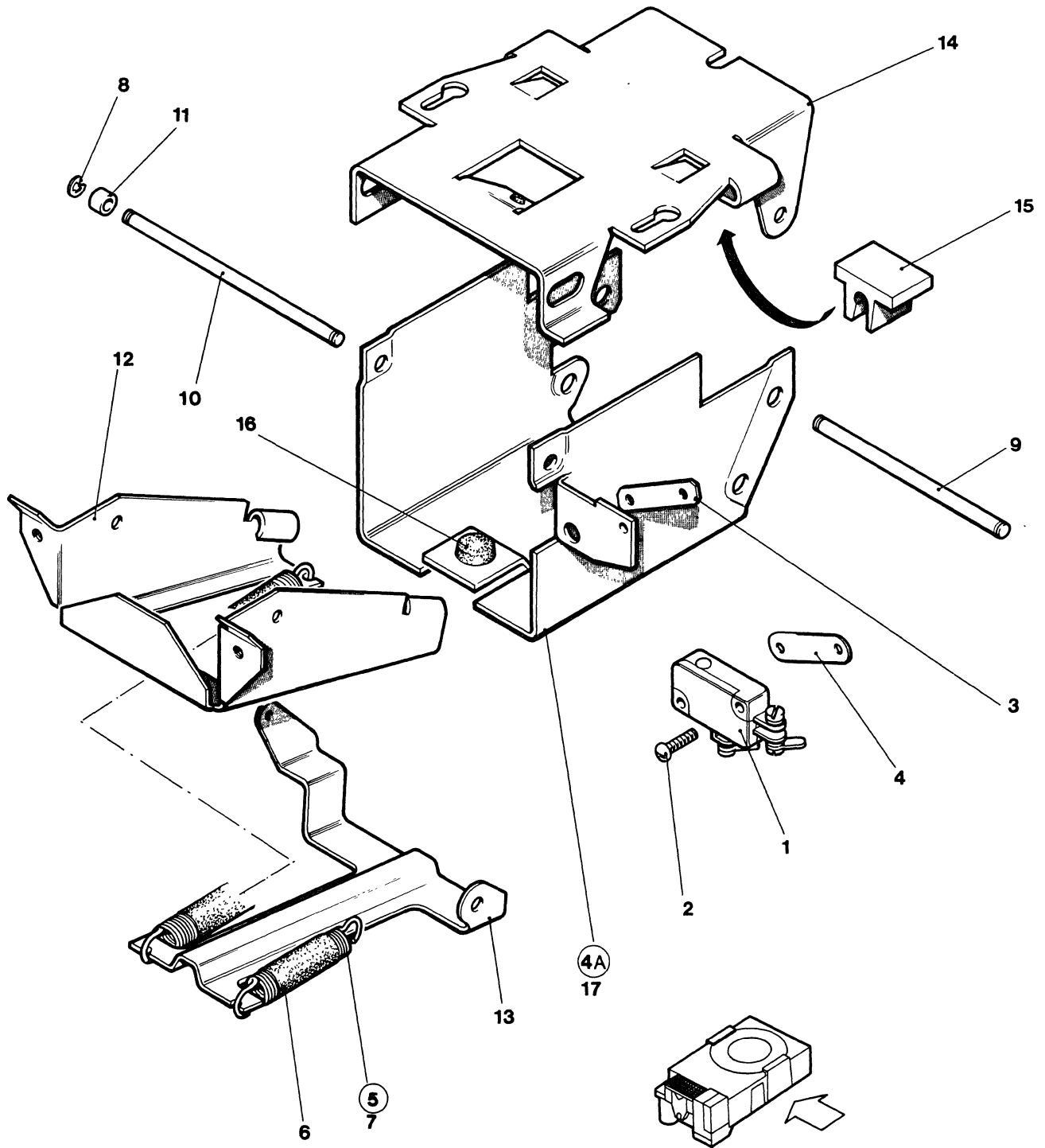


FIGURE 6. CLAMP ASSEMBLY - LH

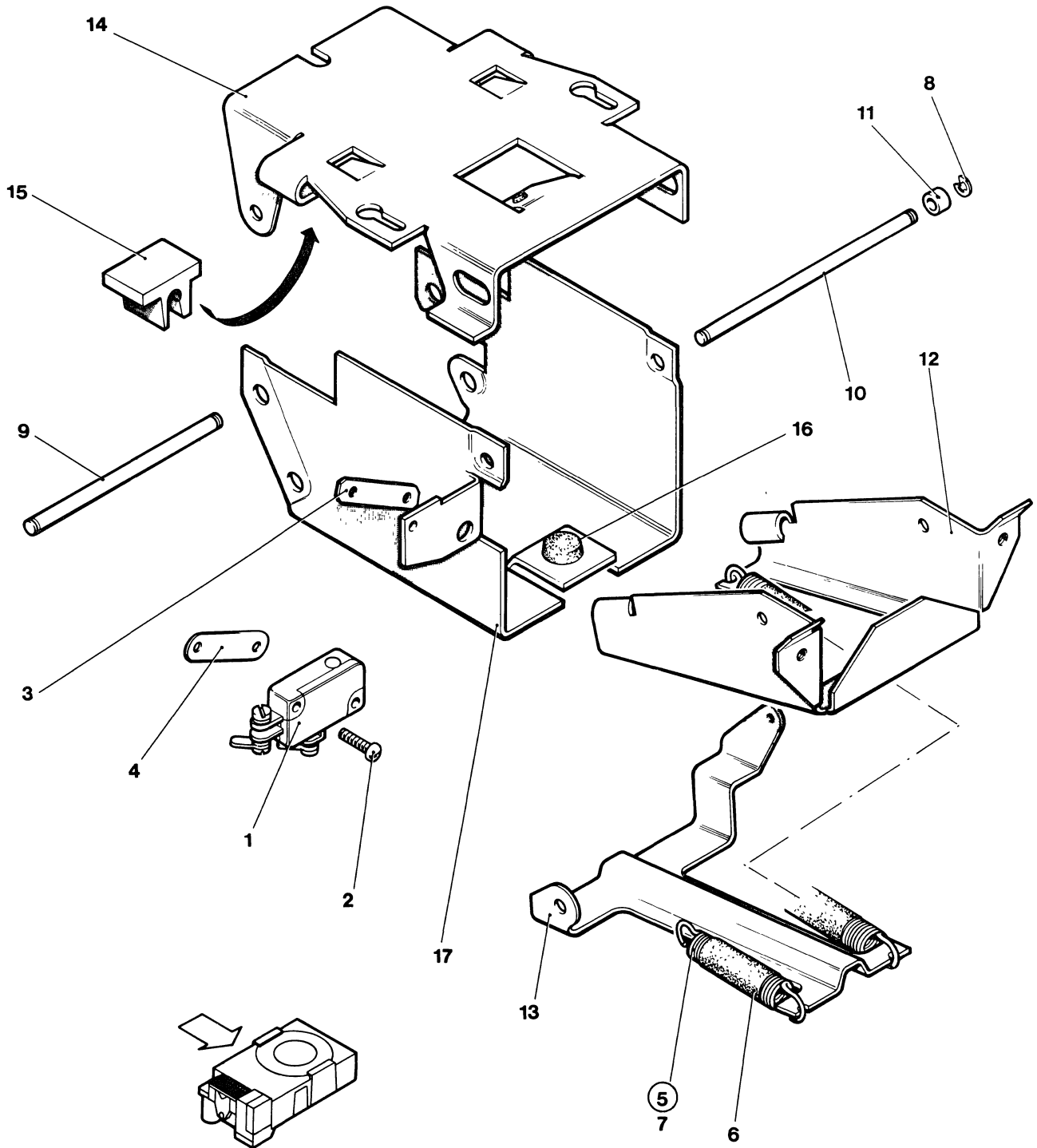


FIGURE 7. CLAMP ASSEMBLY - RH

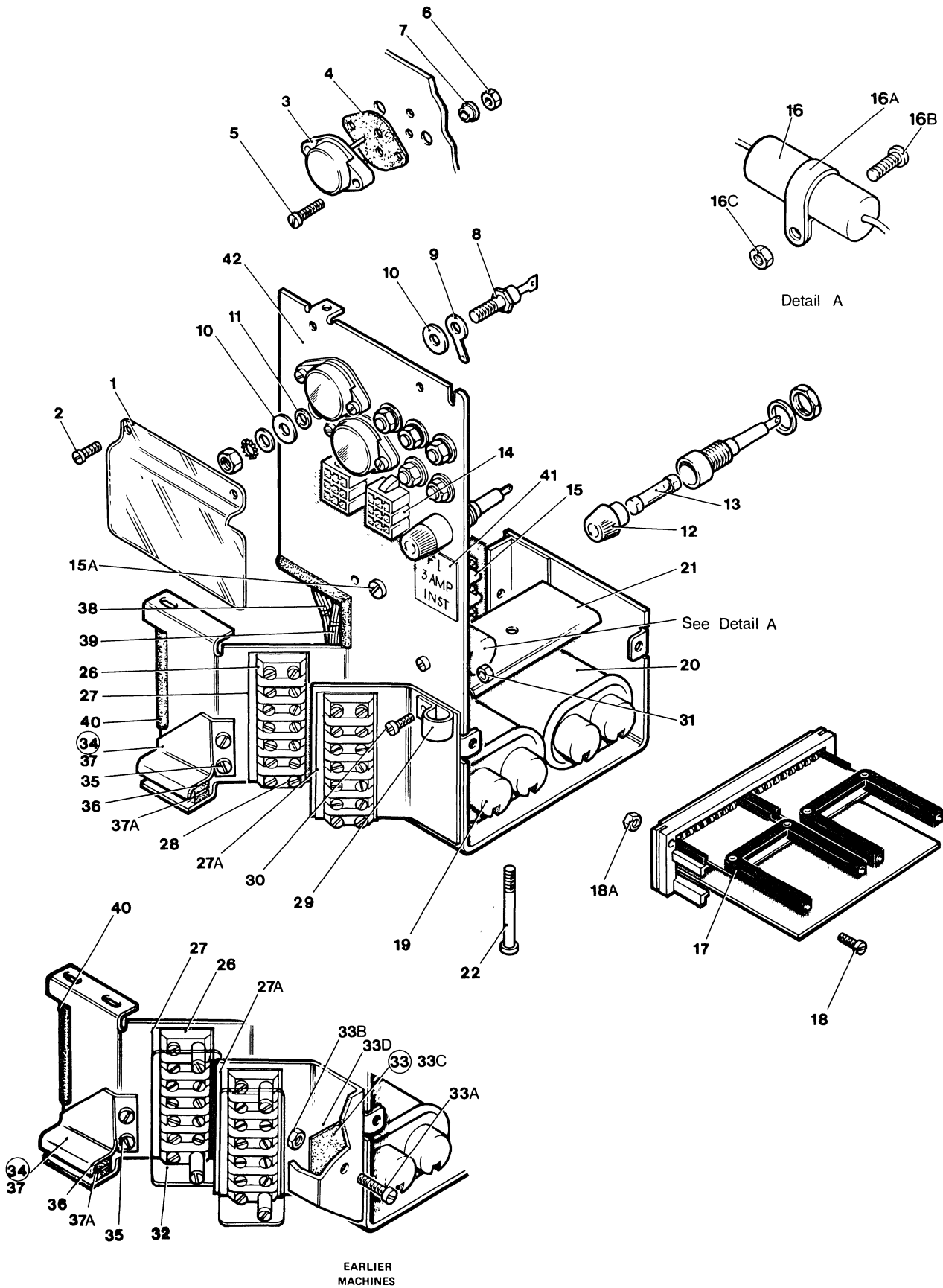


FIGURE 8. DC BOX ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		DC BOX ASSEMBLY		
8 -	5144595	DC BOX ASSEMBLY USED ON STANDARD SPEED MODELS ONLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
-	5144596	DC BOX ASSEMBLY USED ON HIGH SPEED MODELS ONLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
- 1	2538112	. SHIELD, TRANSPARENT	1	
- 2	38433	. SCREW, MACH, FH 4-40 X 1/4 LG	2	ATT PT
- 3	2391819	. TRANSISTOR, NPN 369	1	
- 3A	2391819	. TRANSISTOR, NPN 369 USED ON HIGH SPEED MODELS ONLY	1	
- 4	2537491	. INSULATOR	2	
- 5	322550	. SCREW, MACH, BIND HD, 6-32, 0.5LG	4	ATT PT
- 6	257187	. NUT, PLAIN, HEX, 6-32, 0.375 FL W	4	ATT PT
- 7	2537489	. BUSH, INSULATING	4	
- 8	337512	. RECTIFIER, SILICON, 3A, 240V	AR	
- 9	316996	. LUG, TERMINAL	AR	
- 10	533372	. WASHER	AR	
- 11	533371	. BUSHING	AR	
- 12	179946	. HOLDER, FUSE	1	
- 13	855231	. FUSE, CARTRIDGE, 2AMP, 250V	1	
- 13	855252	USED ON STANDARD SPEED MODELS ONLY . FUSE, CARTRIDGE, 3AMP, 250V USED ON HIGH SPEED MODELS ONLY	1	
- 14	569879	. INSERT, ELEC CONNECTOR, 9 POSITION	2	
- 15	2283000	. RELAY, 3P, DT, 24V	1	
- 15A	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG	1	ATT PT
- 16	5144358	. CAPACITOR ASM	1	
- 16A	301475 NP	. CABLE CLAMP SUPPLIED WITH CAPACITOR, CANNOT BE ORDERED SEPARATELY	1	
- 16B	25627	. SCREW, MACH, BIND HD, 8-32, 0.5LG	1	ATT PT
- 16C	257189	. NUT, HEX, 8-32	2	ATT PT
- 17	2538110	. CARD SOCKET ASM	1	
- 18	438551	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.625LG	2	ATT PT
- 18A	37913	. NUT	2	ATT PT
- 19	526378	. CAP, INSULATION	4	
- 20	5240458	USED ON EARLIER MACHINES ONLY . CAPACITOR, FXD, PAPER, 5UF P/M 6% 330 VAC	2	
- 21	2538126	. CLAMP, MOUNTING	1	
- 22	438570	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 1.4LG	1	ATT PT
- 26	317310	. TERMINAL BOARD, 5 DBL SCREW TERMINALS	2	
- 27	5477195	. STRIP, MARKER, POSITIONS 1 - 5	1	
- 27A	5144385	. STRIP, MARKER, POSITIONS 7 - 11	1	
- 28	322550	. SCREW, MACH BIND HD, 6-32, 0.5LG	4	ATT PT
- 29	327922	. CLAMP, CABLE, 0.625 DIAMETER	1	
- 30	19944	. SCREW, MACH, BIND HD, 8-32, 0.75LG	1	ATT PT
- 31	257189	. NUT, HEX, 8-32	1	ATT PT
- 32	10170	. SCREW, MACH, SLOT BIND HEAD, 6-32, 0.25LG	4	ATT PT
- 33	2538145	. CLAMP ASM	1	
- 33A	322551	. SCREW, MACH, SLOT BIND HD, 6-32, 0.75LG	1	ATT PT
- 33B	344015	. NUT, SELF LCK, HEX, 6-32, 5/16FL W	1	ATT PT
- 33C	2538148	. . PAD, RUBBER, SELF ADHESIVE	1	
- 33D	2538114	. . CLAMP ITEMS 32 TO 33D USED ON EARLIER MACHINES ONLY	1	
- 34	2538146	. CLAMP ASM	1	
- 35	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG	1	ATT PT
- 36	2538149	. . PAD, RUBBER, SELF ADHESIVE	1	
- 37	2538113	. . CLAMP	1	
- 37A	2538149	. PAD, RUBBER, SELF ADHESIVE	1	
- 38	5144594	. CABLE HARNESS	1	
- 39	5144592	FOR COMPONENT PARTS SEE FIGURE 14 -1,-3,-6, -7,-8,-9,-10,-12,-14,-25,-26,-27,-28,-29 . CABLE HARNESS	1	
- 40	2175867	FOR COMPONENT PARTS SEE FIGURE 14 -1,-2,-3, -6,-7,-8,-9,-10,-11,-12,-13,-14,-15,-16,-17,-18,-19 . GROMMET	AR	
- 41	2600585	. LABEL	1	
- 42	2538116	USED ON HIGH SPEED MODELS ONLY . FRAME	1	

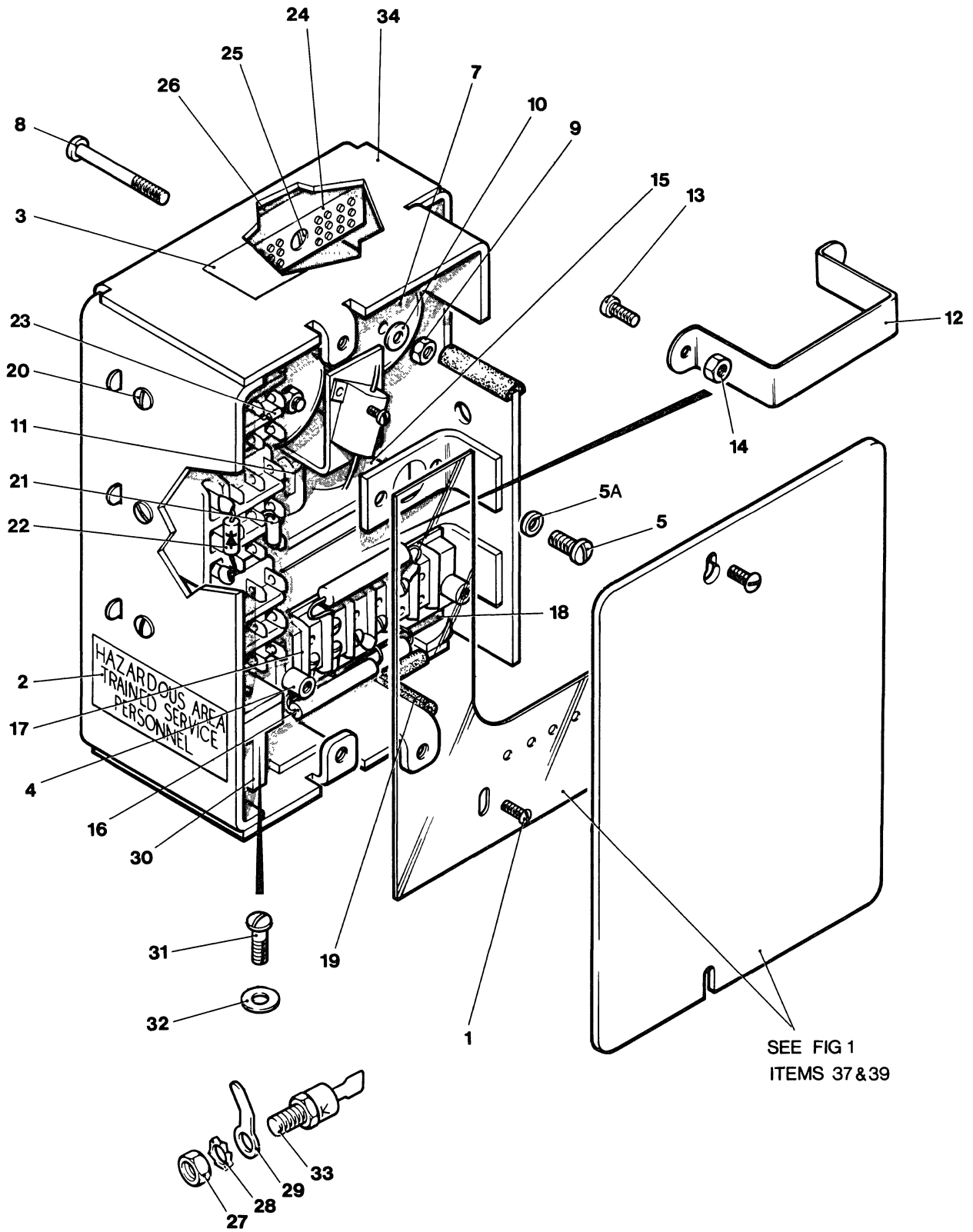


FIGURE 9. AC BOX ASSEMBLY

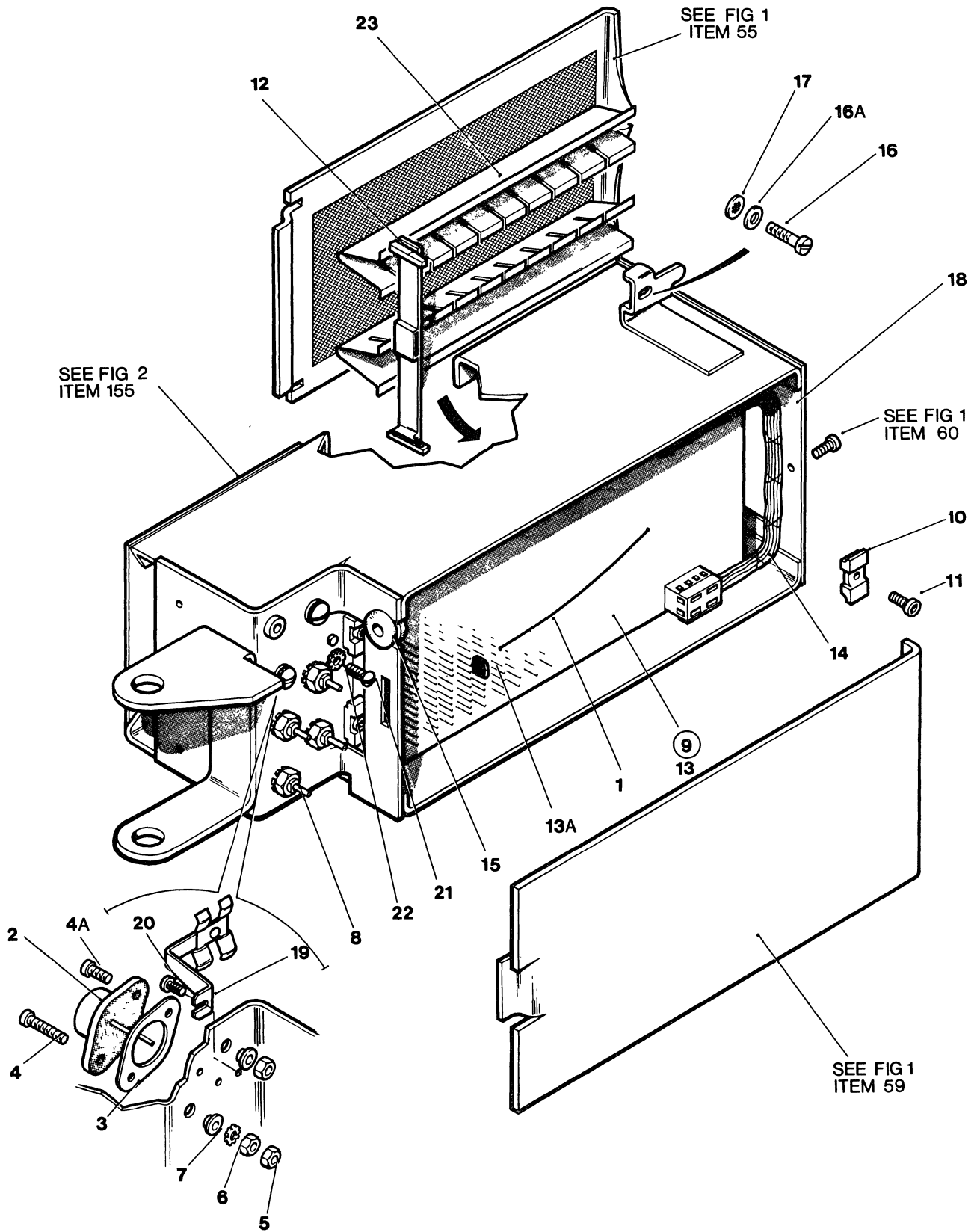


FIGURE 10. 'Y' GATE ASSEMBLY

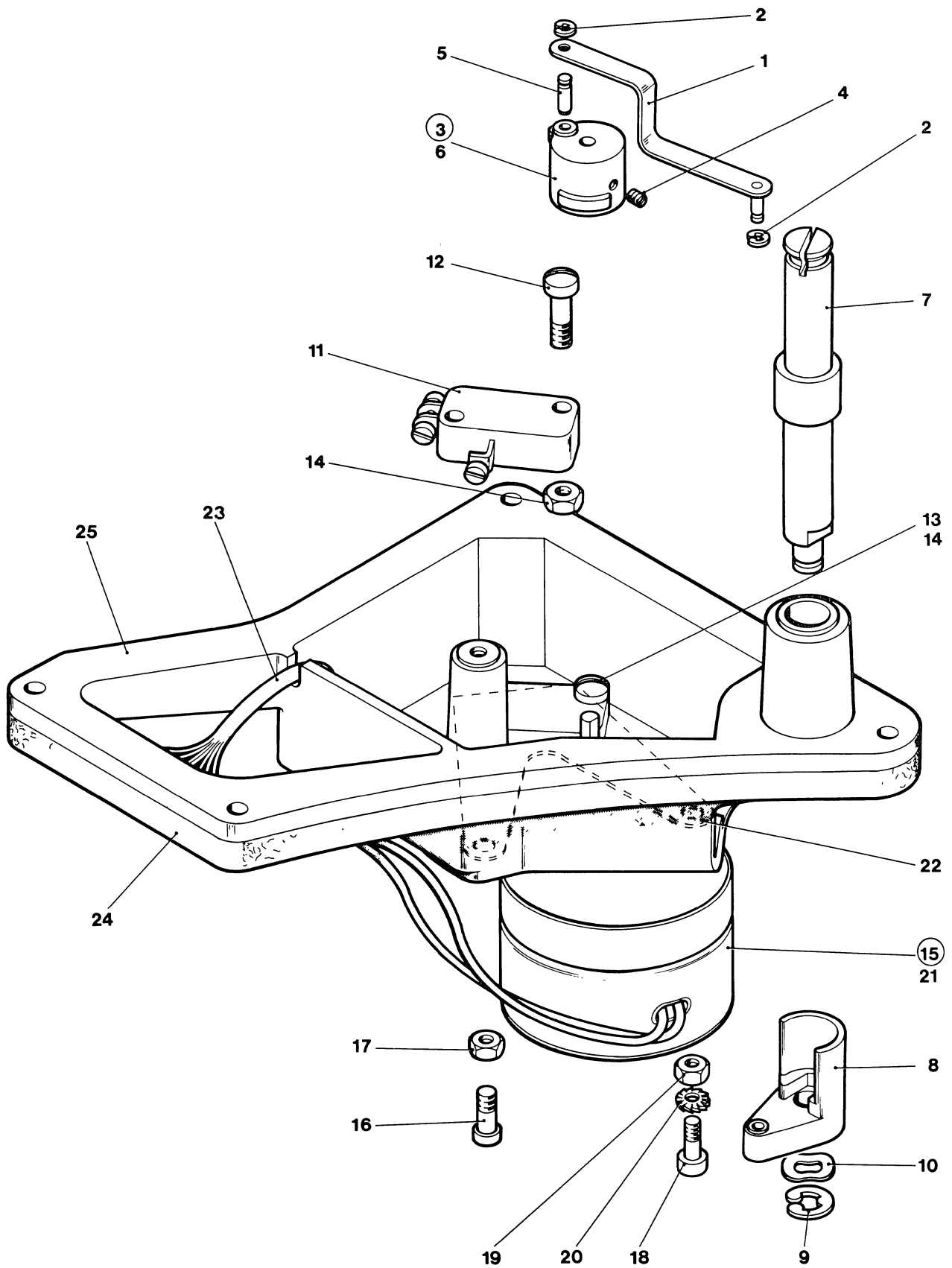


FIGURE 12. BRUSH DRIVE ASSEMBLY - 60HZ

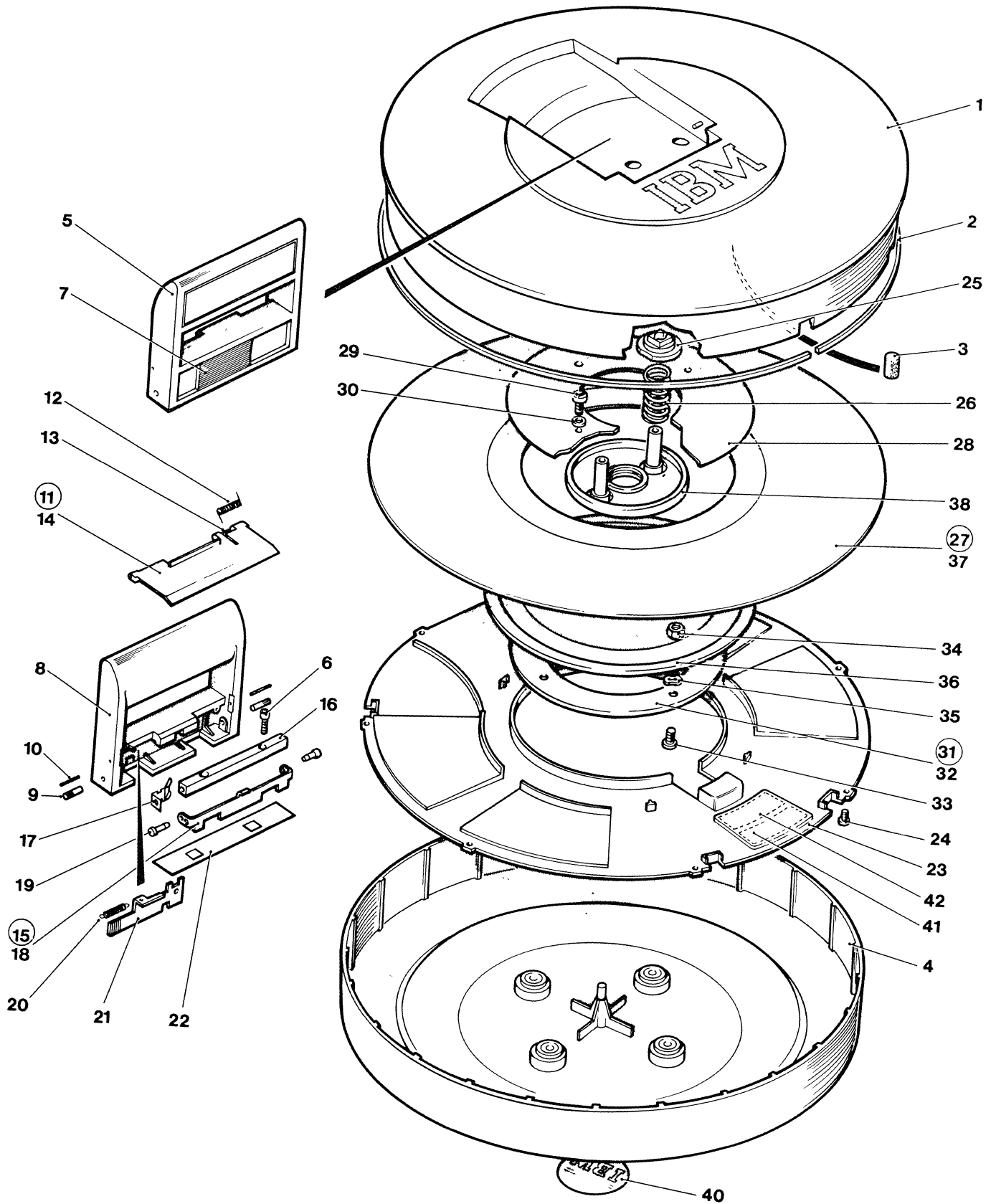


FIGURE 13. 5440 CARTRIDGE ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		5440 CARTRIDGE ASSEMBLY		
13 -	2536533	FINAL ASSEMBLY,5440 CARTRIDGE	REF	
-	2537301	FINAL ASSEMBLY,5440 CE CARTRIDGE	REF	
- 1	2598067	. COVER ASM, TOP, BLUE	1	
- 1	5144444	USED IN USA ONLY . COVER ASM, TOP, BLUE USED IN WORLD TRADE ONLY		
- 1	2598068	ASM COMPONENTS ARE NOT REPLACEABLE . COVER ASM, CE, TOP, BLACK USED IN USA ONLY	1	
- 1	5144445	. COVER ASM, CE, TOP, BLACK USED IN WORLD TRADE ONLY		
- 2	5831601 NR	. . SEAL	1	
- 3	2270032 NR	. . BUMPER, RUBBER USED IN USA ONLY	4	
- 4	2536559 NR	. COVER, BOTTOM	1	
- 4	2536569 NR	. COVER, CE, BOTTOM ASM COMPONENTS ARE NOT REPLACEABLE	1	
- 5	2536565 NR	. HANDLE ASM	1	
- 6	186924 NR	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG ATT PT	2	
- 7	5831627 NR	. . KNOB	1	
- 8	2536332 NR	. . HANDLE ASM ASM COMPONENTS ARE NOT REPLACEABLE	1	
- 9	2536563 NR	. . PIN	2	
- 10	2537380 NR	. . PIN	2	
- 11	2537381 NR	. . COVER ASM	1	
- 12	2537368 NR	. . . SPRING	1	
- 13	2537367 NR	. . . PIN	1	
- 14	2537366 NR	. . . COVER	1	
- 15	2598060 NR	. . LEVER ASM	1	
- 16	2598065 NR	. . . DRAW BAR	1	
- 17	2598037 NR	. . . CLIP	1	
- 18	2598083 NR	. . . LEVER	1	
- 19	2598082 NR	. . . PIN	2	
- 20	5831608 NR	. . SPRING	1	
- 21	2598063 NR	. . LATCH	1	
- 22	2536571 NR	. PLATE	1	
- 23	2536543 NR	. COVER, PROTECTIVE	1	
- 24	5831632	. SCREW, SELF TAP, 0.25LG ATT PT	8	
- 25	2598056 NR	. INSERT, NYLON	2	
- 26	5831600 NR	. SPRING	1	
- 27	2598066 NR	. DISK ASM	1	
- 28	2199378 NR	. . CLAMP	1	
- 29	5257231 NR	. . SCREW ATT PT	4	
- 30	2219193 NR	. . WSHR ATT PT	4	
- 31	5831591 NR	. . HUB ASM	1	
- 32	5831616 NR	. . . PLATE	1	
- 33	2598190 NR	. . . SCREW, COUNTERSINK HD, 6-32UNC, 0.5LG ATT PT	4	
- 34	257187 NR	. . . NUT, MACH, HEX, 6-32UNC ATT PT	4	
- 35	4077757 NR	. . . WASHER, LOCK ATT PT	4	
- 36	2536567 NR	. . . DISK HUB	1	
- 37	2218106 NR	. . DISK	1	
- 38	5144321 NR	. . DRAW PLATE ASM ASM COMPONENTS ARE NOT REPLACEABLE	1	
- 40	2598045	. LABEL, MADE IN USA	1	
- 40	5831637	. LABEL, MADE IN GERMANY	1	
- 41	5144340	. SERIAL LABEL, DATA CART, MADE IN GERMANY	1	
- 41	5144342	. SERIAL LABEL, DATA CART, MADE IN USA	1	
- 41	5144344	. CE CART LABEL, DATA, MADE IN USA	1	
- 42	5144346	. RECONDITIONED LABEL, MADE IN GERMANY	1	
- 42	5144348	. RECONDITIONED LABEL, MADE IN USA	1	
- 42	5144352	. USED PARTS LABEL, REFURBISHED DISK	1	

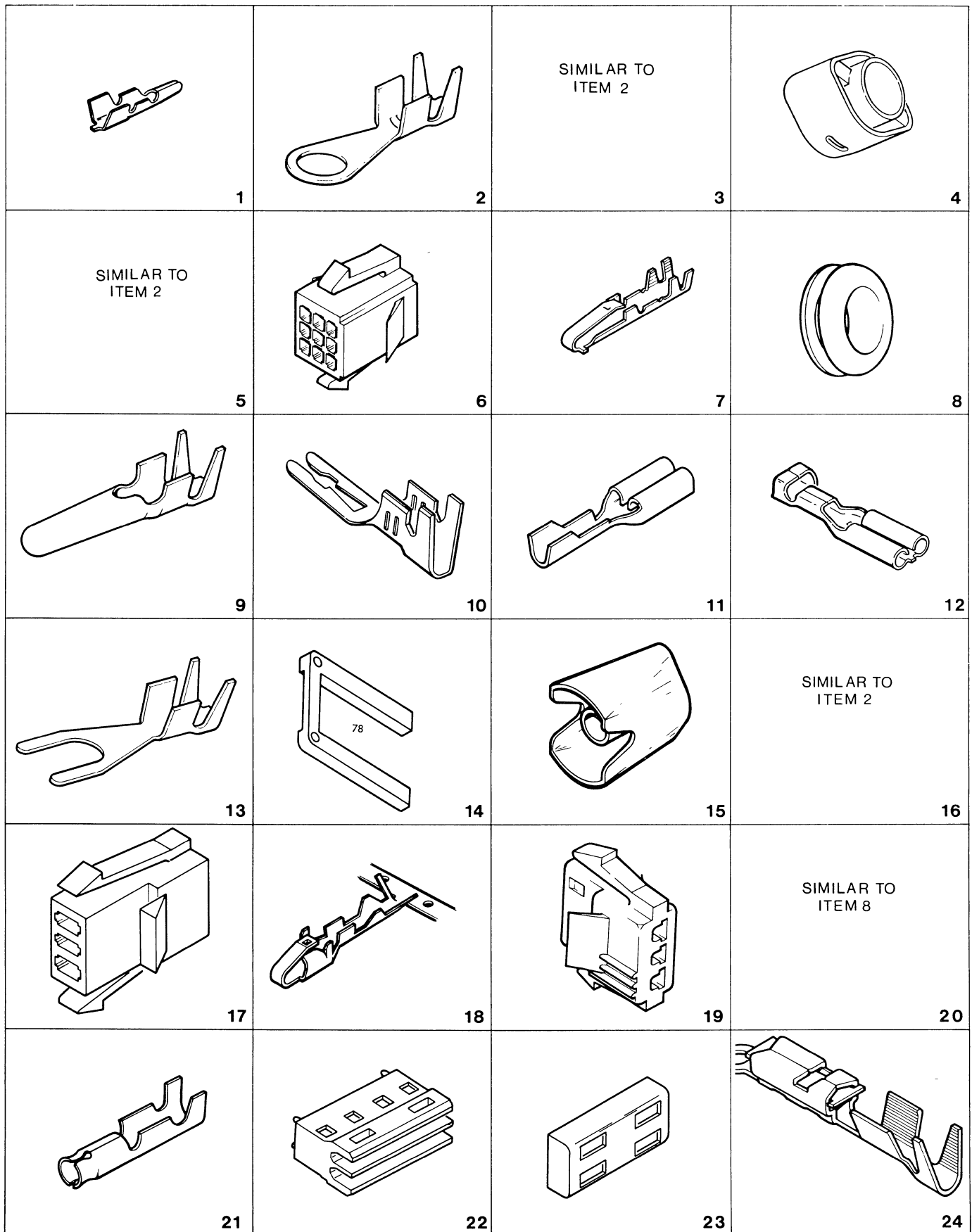


FIGURE 14. CABLE AND JUMPER ASSEMBLY COMPONENT PARTS (PART 1 OF 2)

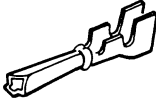

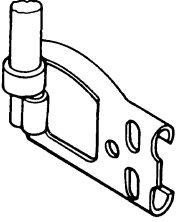
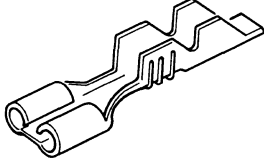
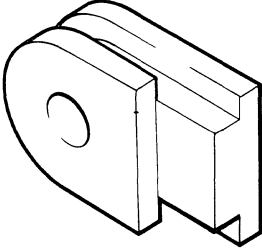
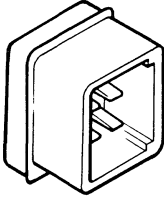
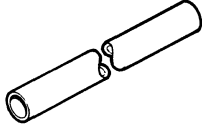
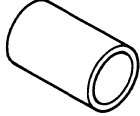

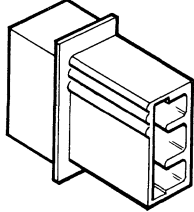
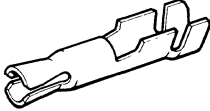
<p>SIMILAR TO ITEM 2</p> <p>25</p>	 <p>26</p>	 <p>27</p>	 <p>28</p>
 <p>29</p>	 <p>30</p>	 <p>31</p>	<p>SIMILAR TO ITEM 28</p> <p>32</p>
 <p>33</p>	 <p>34</p>	 <p>35</p>	 <p>36</p>
 <p>37</p>	<p>SIMILAR TO ITEM 37</p> <p>38</p>	<p>SIMILAR TO ITEM 36</p> <p>39</p>	

FIGURE 14. CABLE AND JUMPER ASSEMBLY COMPONENT PARTS (PART 2 OF 2)

PART NO	LIST AND INDEX NO	PART NO	LIST AND INDEX NO.	PART NO	LIST AND INDEX NO	PART NO	LIST AND INDEX NO
453	2 -203	59649	2 -136A	257984-CONT	4 - 50	438548-CONT	4 - 39
3550	2 - 83	62031	2 - 15		4 - 63		4 - 80
	2 -137C		2 - 45		4 -109		5 - 31
	2 -137E		2 -167		4 -164		10 - 20
3960	2 -136B		3 - 7		11 - 8	438550	9 - 25
5677	2 -200		11 - 15	257985	2 - 32	438551	4 - 44
6364	2 - 56A	81693	1 - 41		2 -182		6 - 2
	5 - 8		2 -111		2 -194		7 - 2
	5 - 12		12 - 18		4 - 6		8 - 18
6935	2 - 84	101807	1 - 2		4 - 15		11 - 10
	2 -137B	104696	4 - 57		4 - 25		12 - 12
8163	2 -202	104763	4 - 2		4 - 49	438552	12 - 13
9092	2 - 95		4 - 20		4 - 62	438554	4 - 33
10170	2 - 20		5 - 39		4 - 81B	438566	5 - 9
	2 - 44	120357	2 -137D		4 - 96	438570	8 - 22
	2 -134	123070	10 - 15		4 -108		9 - 8
	2 -166		14 - 20		4 -114	438586	5 - 16
	8 - 32	123071	5 - 29A		4 -117	459303	2 -137A
	8 - 35	129654	2 - 94		4 -132	473079	1 - 11
	9 - 1	130985	2 -141A		4 -143	483373	2 - 90
	12 - 16	138755	9 - 3		4 -145A	483657	14 - 1
11598	1 - 64	147297	5 - 14		4 -163	483659	14 - 9
	2 - 33A	149897	2 - 2	257986	2 - 57B	483674	14 - 5
	2 -114	161351	2 -179H		9 - 10	483677	14 - 3
	2 -172	179946	8 - 12		11 - 15A	483678	14 - 25
	9 - 27	186923	2 - 31	263217	4 -100A	483681	14 - 2
19944	2 -179E		2 -181	288538	9 - 23	483682	14 - 16
	8 - 30		4 -116	301475	8 - 16A	483694	14 - 13
22478	2 -106		4 -145	302090	2 - 38	517913	14 - 32
	5 - 17		4 -147		2 - 88	526378	8 - 19
23931	3 - 24	186924	2 - 35		9 - 24		9 - 11
24107	2 -149		4 - 24	302131	2 - 39	526898	2 -112
25282	4 - 90		4 - 48		2 - 89	533289	3 - 4
25627	8 - 16B		4 - 61	316996	2 -115A	533371	8 - 11
	9 - 13		4 - 95		8 - 9	533372	8 - 10
32042	1 - 10		4 -113		9 - 29	534768	3 - 33
34512	2 -206		4 -131	317173	2 - 86	550501	14 - 26
	9 - 5		4 -162	317232	9 - 17	569878	14 - 31
	10 - 21		13 - 6	317310	8 - 26	569879	8 - 14
35739	4 - 86	186926	4 -105	322065	1 - 34		14 - 6
	10 - 4A	186927	2 -122		10 - 4	581714	9 - 18
37913	4 - 79C	186933	2 -169	322550	1 - 33	589715	9 - 18
	8 - 18A		2 -179A		5 - 24	603863	2 -174
	11 - 7	186935	2 - 82		8 - 5	609687	14 - 7
	11 - 11	188609	14 - 15		8 - 28	631810	6 - 6
	12 - 14	209033	2 -171	322551	2 - 14		7 - 6
38051	2 - 80	210883	2 - 17		2 - 53	642371	4 -100
38235	1 - 16		9 - 4		8 - 33A	681123	4 -159
	1 - 35	210921	2 - 37	323837	2 - 18	725557	2 -108
	2 - 29	219743	2 -140	327921	3 - 12		14 - 17
	2 -163	236849	9 - 31		3 - 14	725558	14 - 36
	3 - 5	237032	2 - 33B		3 - 16	728509	1 - 25
	8 - 15A	237245	2 -150	327922	8 - 29		5 - 3
38266	9 - 20	251262	2 -135	332620	10 - 16	731626	3 - 26
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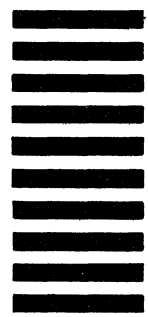
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