

Maintenance Library

5444

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

Preface

This Parts Catalog (PC) contains listings and illustrations of all replaceable assemblies, subassemblies, and detail parts for the IBM 5444 Disk Storage Drive and IBM 5440 Disk Cartridge that have been released to Production Control during or before August, 1971. 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 Field Engineering Theory-Maintenance, *5444 Disk Storage Drive (Machines with serial no. up to 30100)*, Order No. SY33-0026.

Third Edition (November, 1971)

This is a major revision of, and obsoletes IBM Illustrated Parts Catalog, *5444 Disk Storage Drive*, Order No. S135-0001-0. Changes are continually made to the information herein; any such changes will be reported in subsequent revisions of Technical Newsletters.

A form for readers' comments is provided at the back of this publication. If the form has been removed, comments may be addressed to IBM United Kingdom Laboratories Ltd., Product Publications, Hursley Park, Winchester, Hants, England.

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How To Use This Parts Catalog (PC)

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.

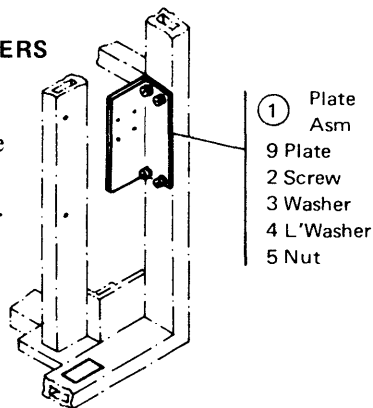


ILLUSTRATION NOTES

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 1-184 FOR ILLUSTRATION SEE FIGURE 4	
- 1	334921	. TERMINAL,RING- 18-22 AWG,.06 HOLE,INS	2
- 2	187854	. SHIELD,TERMINAL BLOCK- 2 POS	1
- 3	210984	. SCREW, RD HD MACH-6-32 X .250 LG	ATT PT 1
- 4	5357050	. FAN ASM-NO 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 .1951D .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).

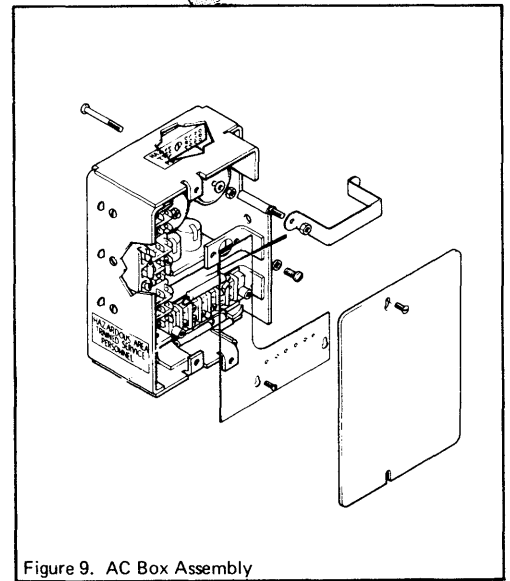
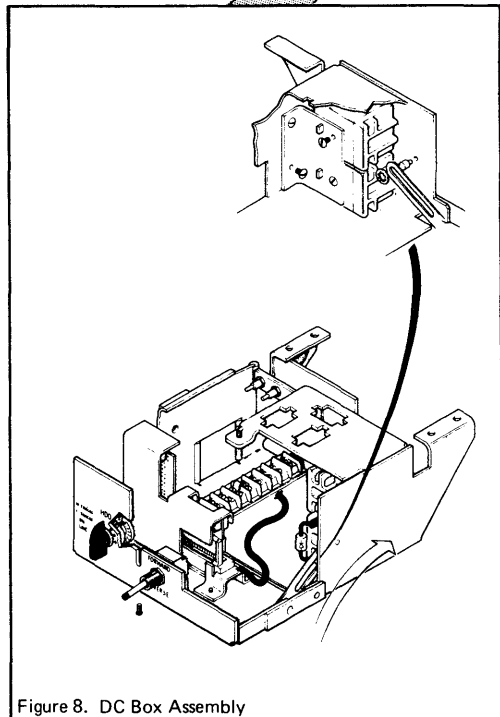
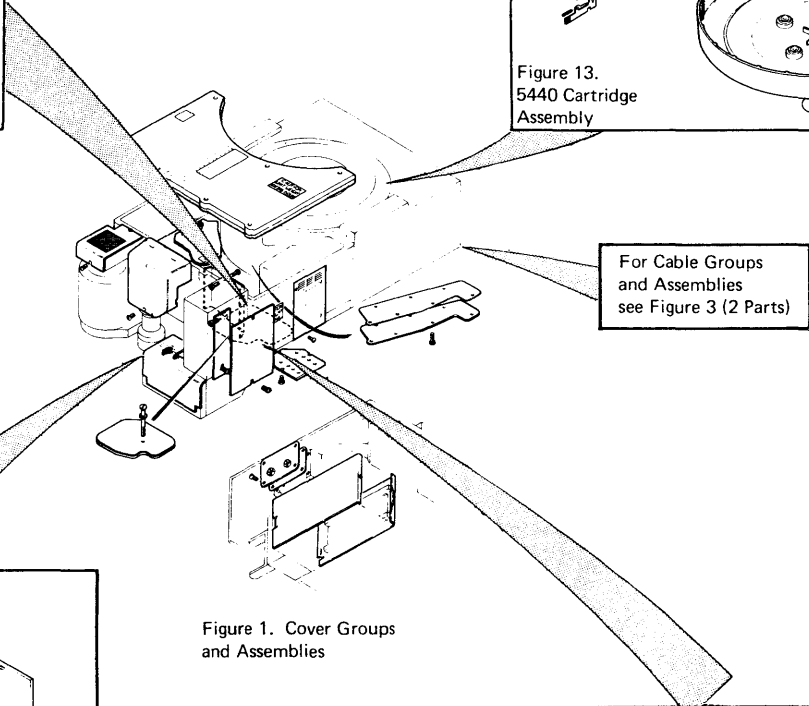
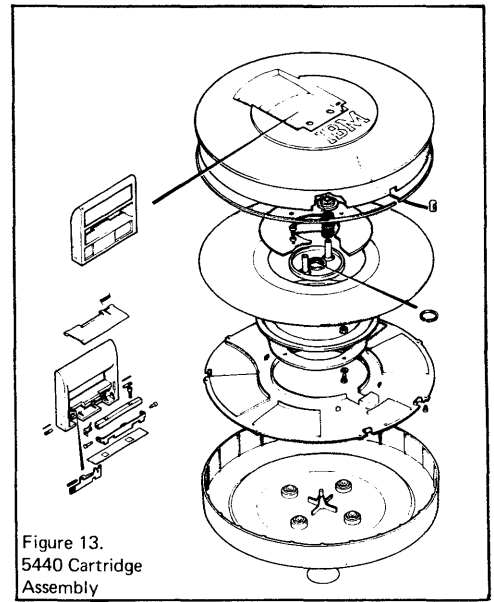
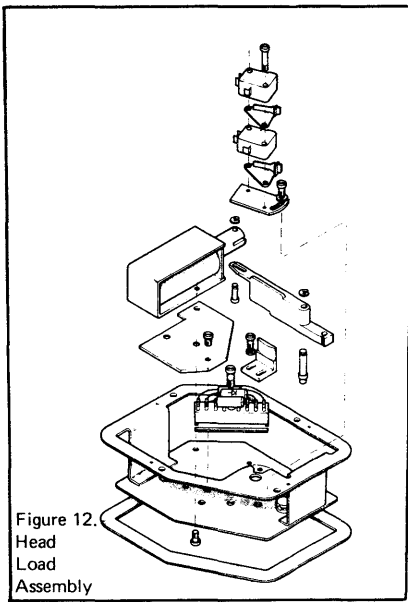
11 SUFFIX CODE

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</p> <p>11 CODE B USED ON 50 CYCLE ONLY</p> <p>CODE 1 USED ON ASM PRIOR TO B6 SUFFIX</p>			10
-	2199376 NP			MOTOR ASM,DRIVE-115/220 VOLTS 60 CYCLE	8	REF	1A
-	2199386 NP			MOTOR ASM,DRIVE-220 VOLTS 50 CYCLE	1	REF	1B
				FOR NEXT HIGHER ASM SEE FIGURE 1-92			
				FOR ILLUSTRATION SEE FIGURE 2			
- 1	2204176		4	. PULLEY, 60 CYCLE	1	AR	A
- 1	2199255			. PULLEY, 50 CYCLE	1		B
- 2	79842			. SETSCREW, SPLINE DR CUP PT 8-32 X 3/8 LG			
- 3	2204116			. MOTOR ASM, 220V AC 60 CYCLE	1		A
- 4	NO NO.			. MOTOR ASM, 220V AC 50 CYCLE	1		B
- 5	5526			. SCREW, MACH BIND HD 8-32 X 0.625 LG	4		
- 6	2204082			. . FERRULE, OUTER	1		
- 7	2204033			. . FERRULE, INNER	1		
- 8	COMM			. . MOTOR, 1/12 HP-220V 60CPS	1		
- 8	2199258			. . MOTOR, DRIVE - 220V 50CPS	1		
- 9	2199401 NR			. PLATE, MOTOR MT-115/220 VOLTS 60 CYCLE	1		A
- 9	2199402 NR			. PLATE, MOTOR MT-220 VOLTS 50 CYCLE	1		B

VISUAL INDEX



VISUAL INDEX

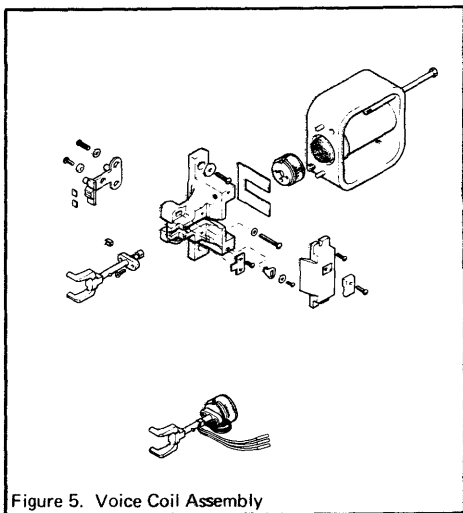


Figure 5. Voice Coil Assembly

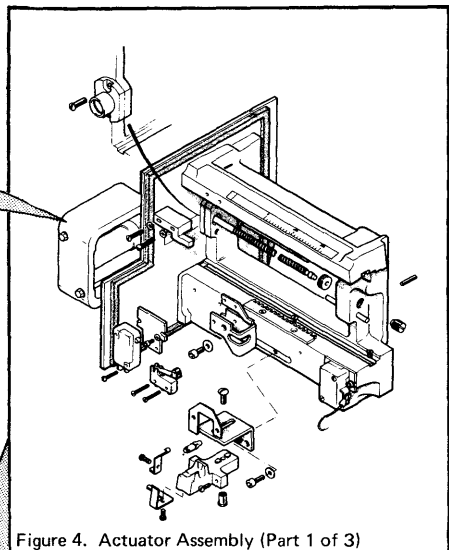


Figure 4. Actuator Assembly (Part 1 of 3)

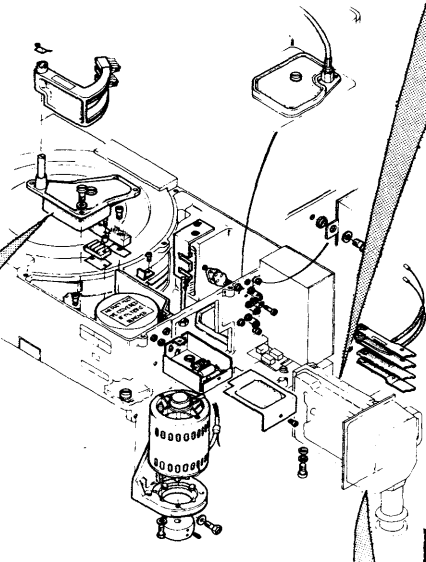


Figure 2. 5444 Final Assembly (Part 1 of 3)

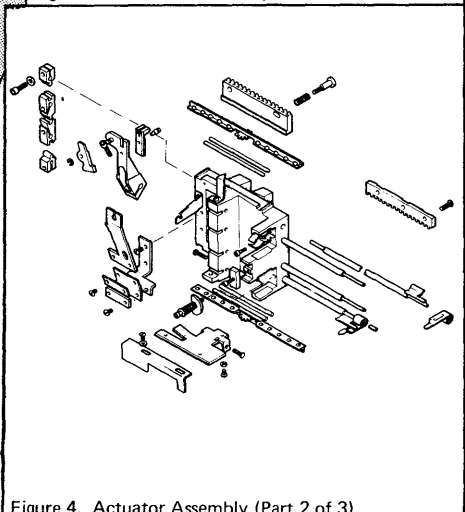


Figure 4. Actuator Assembly (Part 2 of 3)

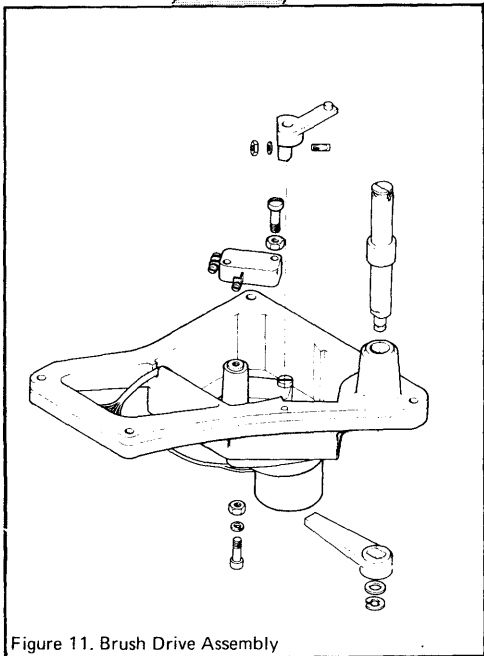


Figure 11. Brush Drive Assembly

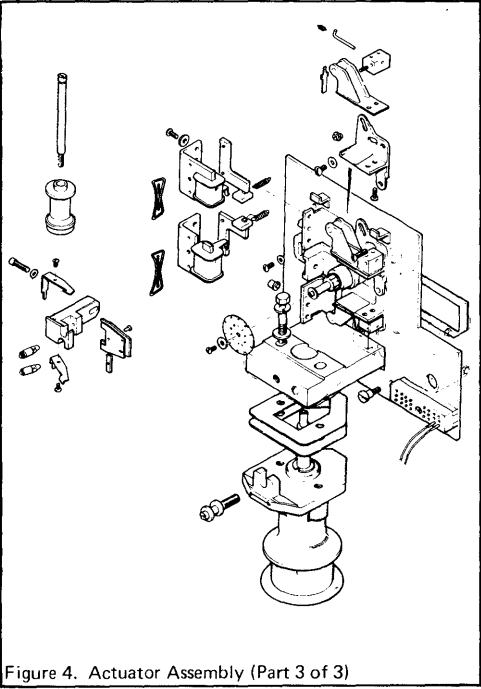


Figure 4. Actuator Assembly (Part 3 of 3)

VISUAL INDEX

FOR CABLE GROUPS AND ASSEMBLIES, SEE FIGURE 3 (2 PARTS)

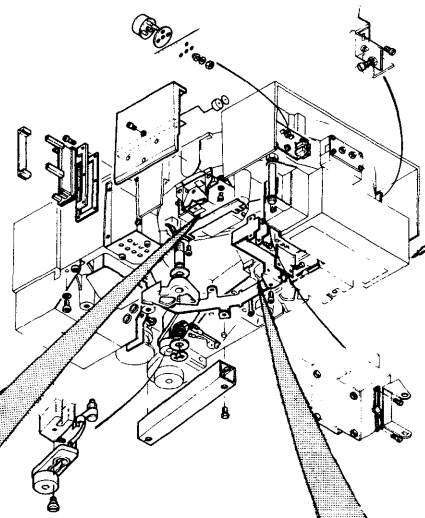
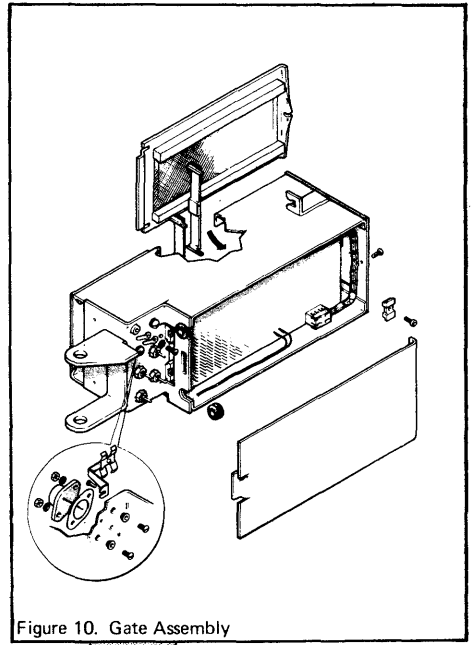
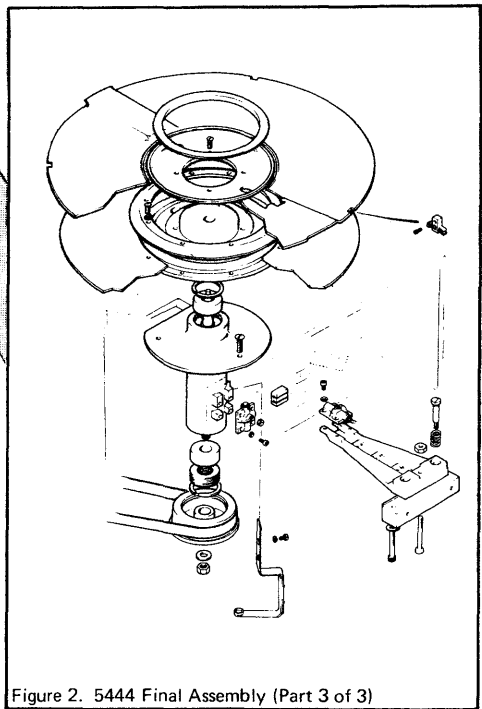
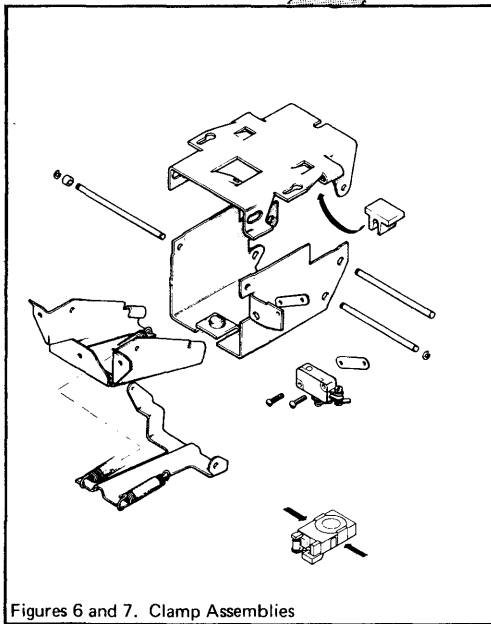


Figure 2. 5444 Final Assembly (Part 2 of 3)



Abbreviations

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

GROUP ASSEMBLY PARTS LIST

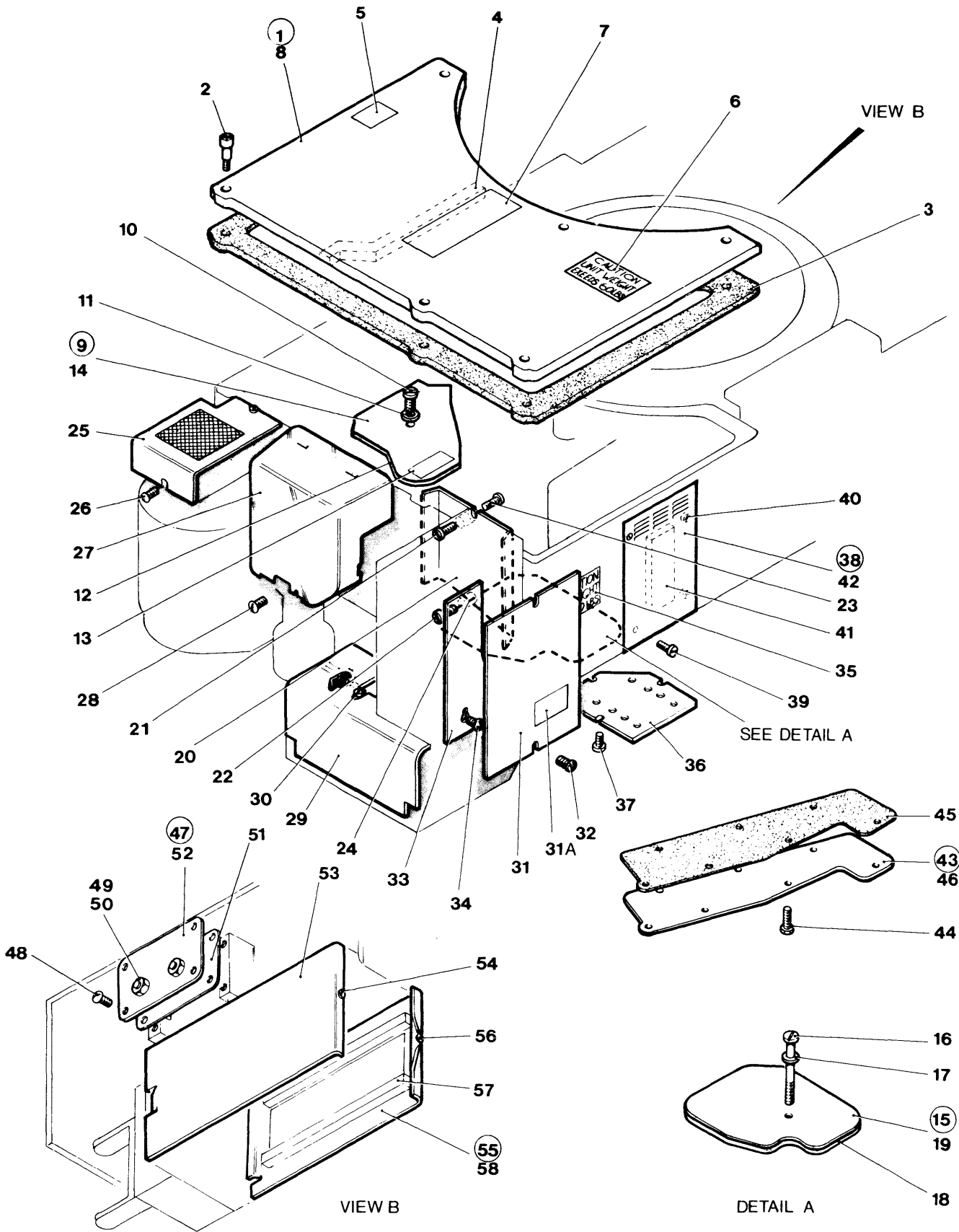


FIGURE 1. COVER GROUPS AND ASSEMBLIES

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		COVER GROUPS AND ASSEMBLIES		
1 -	NO NO	COVER GROUPS AND ASSEMBLIES	REF	
- 1	2537308	. COVER ASM	1	
- 2	2536616	. SCREW, SHOULDER, SLOT HD, 8-32UNC ATT PT	6	
- 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	2536387	. . COVER PLATE	8	
- 9	2536473	. COVER ASM	1	
- 10	32042	. SCREW, MACH, SLOT BIND HD, 10-32UNF, 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, SELF ADHESIVE	1	
- 14	2536393	. . COVER PLATE	1	
- 15	2536465	. COVER ASM	1	
- 16	438604	. SCREW, MACH, SLOT BIND HD, 10-32UNF, 2.5LG ATT PT	1	
- 17	473079	. WSHR, NYLON, FLAT, 0.203ID, 0.438OD, 0.094THK ATT PT	1	
- 18	2536464	. . SEAL	1	
- 19	2536461	. . COVER PLATE	1	
- 20	2597963	. COVER, PERSPEX	1	
- 21	322550	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.5LG ATT PT	1	
- 22	322065	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.625LG ATT PT	1	
- 23	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG ATT PT	2	
- 24	2597964	. SPACER ATT PT	2	
- 25	2597914	. COVER	1	
- 26	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG ATT PT	2	
- 27	2537312	. COVER, PERSPEX	REF	
- 28	38235	PART OF ACTUATOR ASM (FIGURE 4) . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG ATT PT	1	
- 29	2537557	. COVER	REF	
- 30	322550	PART OF DC BOX ASM (FIGURE 8) . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.5LG ATT PT	1	
- 31	2597912	. COVER	1	
- 31A	138755	. LABEL	1	
- 32	55726	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.188LG ATT PT	2	
- 33	2537484	. SHIELD, TRANSPARENT	1	
- 34	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG ATT PT	REF	
- 35	889325	. LABEL	1	
- 36	2536247	. COVER	1	
- 37	2181005	. SCREW, SELF TAP, HEX HD, WSHR, 6-32, 0.375LG ATT PT	3	
- 38	2536390	. COVER ASM	1	
- 39	38442	. SCREW, MACH, SLOT FLAT HD, 6-32UNC, 0.25LG ATT PT	2	
- 40	2537511	. SCREW, SHOULDER, SLOT HD, 6-32UNC ATT PT	2	
- 41	2536296	. . PAD, SELF ADHESIVE	1	
- 42	2536389	. . COVER PLATE	1	
- 43	2597920	. COVER ASM	1	
- 44	5700484	. SCREW, SELF TAP, HEX HD, 4-40UNC, 0.375LG ATT PT	7	
- 45	2536496	. . GASKET	1	
- 46	2536495	. . PLATE, COVER	1	
- 47	2536457	. COVER ASM	1	
- 48	2181005	. SCREW, SELF TAP, HEX HD, WSHR, 6-32, 0.375LG ATT PT	4	
- 49	251990	. SCREW, HDLESS SET, 6-FLUTE, 1032UNF, 0.375LG ATT PT	2	
- 50	11598	. NUT, MACH, HEX, 10-32UNF ATT PT	2	
- 51	2536456	. . GASKET	1	
- 52	2536455	. . COVER PLATE	1	
- 53	2537504	. COVER, FRONT	1	
- 54	338238	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.312LG ATT PT	1	
- 55	2537509	. COVER ASM	1	
- 56	338238	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.312LG ATT PT	1	
- 57	2536275	. . SEAL, SELF ADHESIVE	2	
- 58	2537505	. . COVER, REAR	1	

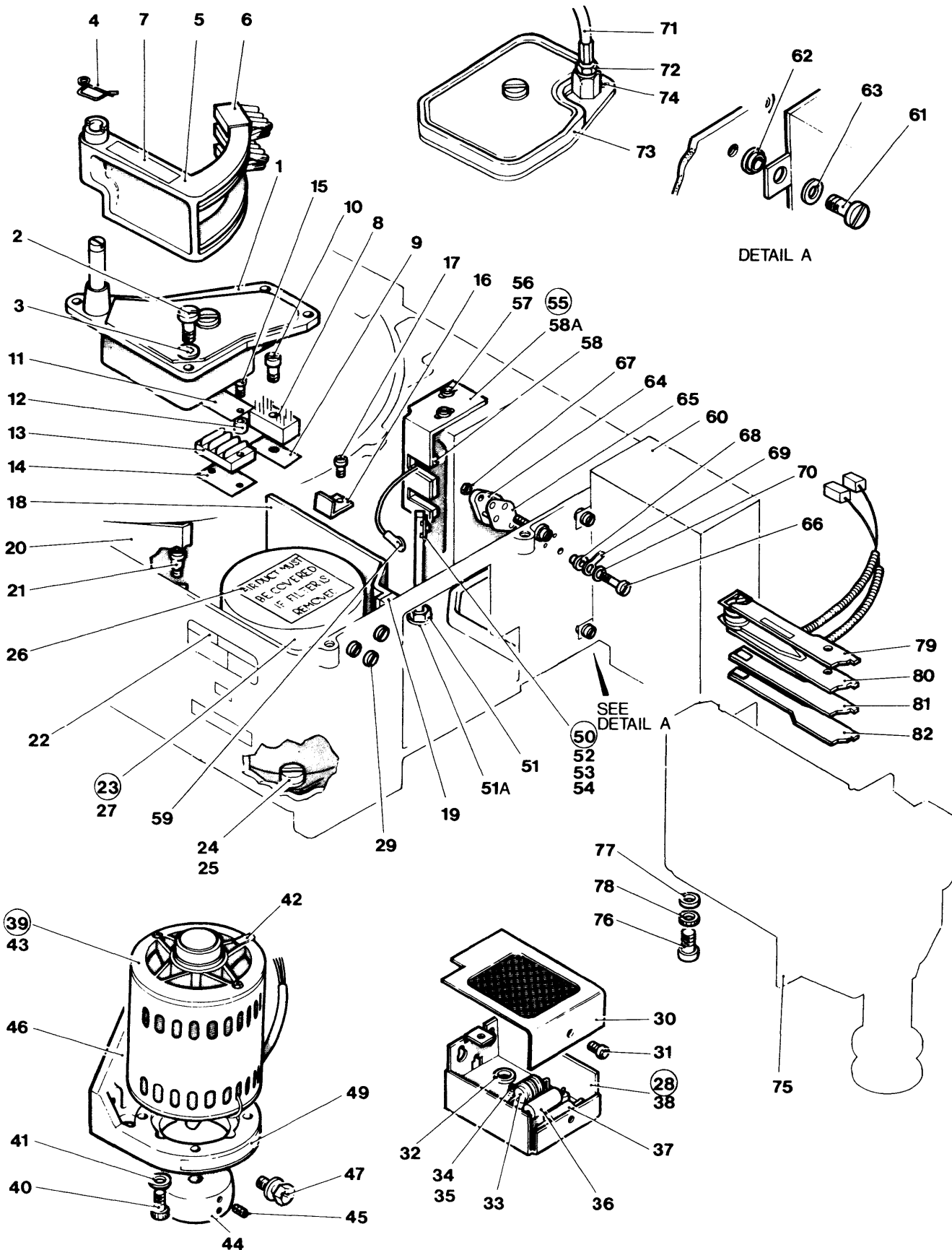


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 1 OF 3)

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 3)					
2 - - 1	2536500 NP 2536345	FINAL ASSEMBLY, 5444 DISK FILE . BRUSH DRIVE ASM, 50HZ FOR DETAIL BREAKDOWN SEE FIGURE 11				REF 1	
- 1	5144312 NP	. BRUSH DRIVE ASM, 60HZ FOR DETAIL BREAKDOWN SEE FIGURE 11A				1	
- 1	5144330	. BRUSH DRIVE ASM, 60HZ FOR DETAIL BREAKDOWN SEE FIGURE 11B				1	
- 2 - 3	322551 62031	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.75LG . WSHR, LCK, IT, 0.141ID, 0.295OD, 0.021THK				ATT PT ATT PT	4 4
- 4 - 5 - 6	5831955 2536285 2536376	. CLIP, SPECIAL, SPRING . BRUSH ARM . BRUSH ASM					1 1 2
		ASM COMPONENTS ARE NOT REPLACEABLE					
- 7 - 8	5144339 852958	. LABEL, SELF ADHESIVE . TERMINAL BOARD ASM					1 1
- 9 - 10 - 11	852959 38266 2536359	. INSULATOR, SHIELD . SCREW MACH, SLOT FIL HD, 4-40UNC, 0.5LG . SHIELD, INSULATOR				ATT PT	1 1 1
- 12 - 13 - 14	210883 323837 5364151	. STOP, SPACER . TERMINAL BLOCK ASM, 15A, 3 SCREW CONN . STRIP, MARKER					2 1 1
- 15 - 16 - 17	10170 2598076 10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG . BRACKET . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG				ATT PT ATT PT	2 1 1
- 18 - 19	2537356 2598175	. SHIELD, PLASTIC . PAD ASM ASM COMPONENTS ARE NOT REPLACEABLE					1 1
- 20 - 21 - 22	2536615 38235 2597959	. DEFLECTOR . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG . PLATE, POWER MODEL 1				ATT PT	1 2 1
- 22 - 22 - 23	2597960 2597961 2597939	. PLATE, POWER MODEL 2 . PLATE, POWER MODEL 3 . FILTER ASM					1 1 1
- 24 - 25 - 26	2598168 257986 2536627	. . SCREW, 6-32UNC, 0.5LG . . WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK . . LABEL				ATT PT ATT PT	2 2 1
- 27 - 28 - 29	2536212 2597916 5319854	. . FILTER, AIR . BOX ASM, RESISTOR . SCREW, SELF TAP, HEX HD, 8-32, 0.375LG				ATT PT	1 1 3
- 30 - 31 - 32	2597914 10170 1071739	. . COVER . . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG . . GROMMET, ADAPTER MFG				ATT PT	1 2 1
- 33 - 34 - 35	5700286 38262 150209	. . RESISTOR, 15 OHM, 25W . . SCREW, MACH, SLOT FIL HD, 4-40UNC, 0.25LG . . WSHR, LCK, IT, 0.115ID, 0.27OD, 0.019THK				ATT PT ATT PT	1 2 2
- 36 - 37	103235 241318	. . RESISTOR, 2 OHM, 5W FOR TERMINALS SEE FIGURE 14 -18 . . RESISTOR, 40 OHM, 5W FOR TERMINALS SEE FIGURE 14 -18					1 1
- 38 - 39 - 39 - 39 - 39	2597915 2537318 2537319 2537320 2537321	. . BRACKET . MOTOR ASM, 50HZ, 220V . MOTOR ASM, 50HZ, 235V . MOTOR ASM, 60HZ, 208V . MOTOR ASM, 60HZ, 230V					1 1 1 1 1
		FOR ELECTRICAL COMPONENTS SEE FIGURE 14 -10A, -11, -20, -30, -31					
- 40 - 41 - 42 - 43	129654 9092 2204025 2426180	. SCREW, CAP, SOC HD, 10-32 X 3/4 LG . WASHER, LOCK, SPLIT, 0.94ID, 0.337OD . . OILER . . MOTOR, 50HZ, 220V				ATT PT ATT PT	4 4 2 1
- 43	2426199	ASM COMPONENTS ARE NOT REPLACEABLE . . MOTOR, 50HZ, 235V ASM COMPONENTS ARE NOT REPLACEABLE					1
- 43	2426181	. . MOTOR, 60HZ, 208V ASM COMPONENTS ARE NOT REPLACEABLE					1
- 43	2426200	. . MOTOR, 60HZ, 230V ASM COMPONENTS ARE NOT REPLACEABLE					1
- 44	2598198	. . PULLEY, PHENOLIC USED ON 50HZ MOTORS ONLY					1
- 44	5144405	. . PULLEY, PHENOLIC USED ON 60HZ MOTORS ONLY					1
- 45	257975	. . . SCREW, HDLESS SET, 6-FLUTE, 6-32UNC, 0.375LG OTHER ASM COMPONENTS ARE NOT REPLACEABLE				ATT PT	2
- 46 - 47 - 49	5831708 5350092 2598012	. MOUNTING BRACKET MOTOR . SCREW, HEX HD, CAP WSHR, 0.25-20UNC, 0.75LG . LABEL				ATT PT	1 3 1

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 3) CONT					
2 - 50	5831723	. CLAMP, POST ASM				1	
- 51	11598	. NUT, MACH, HEX, 10-32UNF				1	
- 51A	237032	. WASHER, FLT, 0.219ID, 0.075OD, 0.062THK				1	
- 52	186924	. . SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG				1	
- 53	5831720	. . CLAMP, POST				1	
- 54	5831721	. . PLATE				1	
- 55	2536602	. BRACKET, ASM				1	
- 56	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG				2	
- 57	62031	. WSHR, LCK, IT, 0.141ID, 0.295OD, 0.021THK				2	
- 58	2536601	. . SEAL, SELF ADHESIVE				1	
- 58A	5831862	. . BRACKET				1	
- 59	5144318	. GROUND PRE-AMP JUMPER FOR COMPONENT PARTS SEE FIGURE 14 -10A, -26 PART OF BOARD ASM, ITEM 94, LIST 2, PART 2				1	
- 60	2597913	. AC BOX ASM, 50HZ				1	
- 60	5144390	. AC BOX ASM, 60HZ				1	
		FOR DETAIL BREAKDOWN SEE FIGURE 9					
- 61	5349929	. SCREW, SELF TAP, HEX HD, CAP WSHR				3	
- 62	2537492	. BUSH, INSULATING				3	
- 63	2537493	. WASHER, INSULATING				3	
- 64	2391059	. TRANSISTOR - 279				4	
- 65	2537491	. INSULATOR				4	
- 66	322065	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.625LG				8	
- 67	38051	. NUT, PLAIN, HEX, 6-32 X 1/4 FL W				8	
- 68	2537489	. BUSH, INSULATING				8	
- 69	40658	. CLIP				4	
- 70	6364	. WASHER				4	
- 71	2537326	. CABLE ASM, BOWDEN				1	
		ASM COMPONENTS ARE NOT REPLACEABLE					
- 72	24107	. NUT, FINISHED, HEX, 0.375-16UNC				1	
- 73	2537305	. HEAD LOAD ASM				1	
		FOR DETAIL BREAKDOWN SEE FIGURE 12					
- 74	316807	. SCREW, MACH, SLOT FLAT HD, 6-32UNC, 0.375LG				4	
- 75	2536510	. ACTUATOR ASM				1	
		FOR DETAIL BREAKDOWN SEE FIGURE 4					
- 76	186935	. SCREW, HEX, SKT HD CAP, 0.25-20UNC, 0.875LG				3	
- 77	3550	. WSHR, FLAT, 0.265ID, 0.562OD, 0.05THK				3	
- 78	6935	. WSHR, LCK, SPR, 0.255ID, 9.493OD, 0.072THK				3	
- 79	2250961	. HEAD ASM B, DOWN (DOWNWARD FACING) USED ON MODELS 1, 2, AND 3				AR	
- 80	2250963	. HEAD ASM B, UP (UPWARD FACING) USED ON MODELS 1, 2, AND 3				AR	
- 81	2536626	. ARM B, UPPER				1	
- 82	2536625	. ARM B, LOWER USED ON MODEL 3 ONLY				1	

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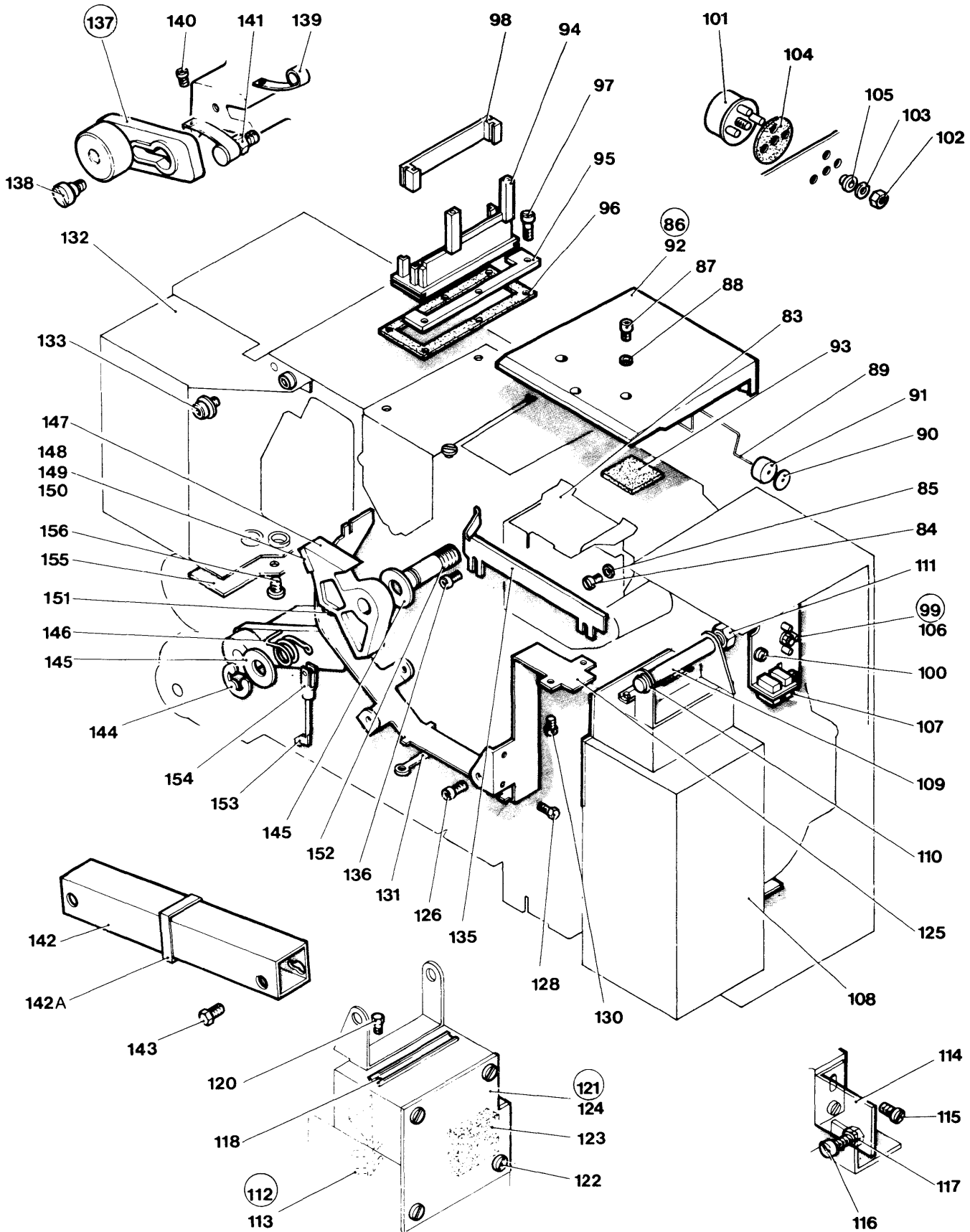


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 2 OF 3)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		5444 DISK FILE, FINAL ASSEMBLY (PART 2 OF 3)					
2 - - 83	2536500 NP 2537309	FINAL ASSEMBLY, 5444 DISK FILE • CLAMP ASM, RH FOR DETAIL BREAKDOWN SEE FIGURE 6				REF 1	
- 83	2537310	• CLAMP ASM, LH FOR DETAIL BREAKDOWN SEE FIGURE 7				1	
- 84	34512	• SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.375LG				ATT PT 6	
- 85	55901	• WSHR, LCK, ET, 0.168ID, 0.381OD, 0.023THK				ATT PT 6	
- 86	2537485	• CLAMP ASM				2	
- 87	149897	• SCREW, HEX, SKT HD CAP, 8-32UNC, 0.375LG				ATT PT 6	
- 88	1090873	• WSHR, LCK, SPR, 0.168ID, 0.296OD, 0.046THK				ATT PT 6	
- 89	2598007	• . SPRING				1	
- 90	2537357	• . WASHER				2	
- 91	2537473	• . ROLLER				2	
- 92	2598005	• . CLAMP				1	
- 93	5144354	• PAD, SELF ADHESIVE				2	
- 94	2537306	• BOARD ASM				1	
- 94A	5144318	• . GROUND PRE-AMP JUMPER FOR COMPONENT PARTS SEE FIGURE 14 -10A, -26 OTHER ASM COMPONENTS ARE NOT REPLACEABLE				1	
- 95	2536246	• PLATE				2	
- 96	2536245	• GASKET				1	
- 97	81693	• SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.375LG				ATT PT 5	
- 98	811804	• GUIDE, CARD				1	
- 99	2537508	• BRACKET ASM, TRANSISTOR				1	
-100	2181005	• SCREW, SELF TAP, HEX HD, WSHR, 6-32, 0.375LG				ATT PT 2	
-101	526898	• . TRANSISTOR				1	
-102	11598	• . NUT, MACH, HEX, 10-32UNF				ATT PT 1	
-103	56079	• . WSHR, LCK, ET, 0.195ID, 0.41OD, 0.025THK				1	
-104	2537490	• . INSULATOR				1	
-105	2537488	• . BUSH, INSULATING				1	
-106	2537502	• . PLATE, MOUNTING FOR OTHER ASM COMPONENT PART SEE FIGURE 14 -33				1	
-107	4121100	• HOUSING, CONNECTOR				REF	
-107	2174195	• CONTACT				REF	
-108	2537304	• GATE ASM FOR DETAIL BREAKDOWN SEE FIGURE 10				1	
-109	2537497	• PIN, HINGE				ATT PT 1	
-110	237245	• CLIP, RETAIN-RING, 0.3ID, 0.66OD, 0.035THK				ATT PT 1	
-111	24107	• NUT, FINISHED, HEX, 0.375-16UNC				ATT PT 1	
-112	2597953	• CLAMP ASM ASM COMPONENTS ARE NOT REPLACEABLE				1	
-113	731631	• SCREW, PAN HD, 4-40, 0.25LG				ATT PT 1	
-114	2537362	• BRACKET				1	
-115	2181005	• SCREW, SELF TAP, HEX HD, WSHR, 6-32, 0.375LG				ATT PT 2	
-116	19944	• SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.75LG				1	
-117	257189	• NUT, MACH, HEX, 8-32UNC				1	
-118	2598196	• CLAMP				1	
-120	2181005	• SCREW, SELFTAP, HEX HD, WSHR, 6-32UNC, 0.375L				ATT PT 2	
-121	2537500	• PLATE ASM				1	
-122	731631	• SCREW, PAN HD, 4-40, 0.25LG				ATT PT 4	
-123	2536274	• . SEAL, SELF ADHESIVE				1	
-124	2537499	• . PLATE, REAR COVER				1	
-125	2598090	• GUIDE, CABLE				1	
-126	1072433	• SCREW, HEX, SKT HD, 8-32UNC, 0.25LG				ATT PT 2	
-128	2181005	• SCREW, SELFTAP, HEX HD, WSHR, 6-32UNC, 0.375L				ATT PT 2	
-130	2181005	• SCREW, SELFTAP, HEX HD, WSHR, 6-32UNC, 0.375L				ATT PT 2	
-131	811427	• STRAP, CABLE				4	
-132	2537303	• DC BOX ASM FOR DETAIL BREAKDOWN SEE FIGURE 8				1	
-133	5319854	• SCREW, SELF TAP, HEX HD, 8-32, 0.375LG				ATT PT 4	
-135	2537512	• GUIDE				1	
-136	2181005	• SCREW, SELF TAP, HEX HD, WSHR, 6-32, 0.375LG				ATT PT 2	
-137	2537374	• ARM ASM				1	
-138	2537376	• . SCREW, SHOULDER, SLOT HD, 0.25-20UNC				ATT PT 1	
-139	2537373	• . SPRING				2	
-140	10170	• . SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG				ATT PT 1	
		OTHER ASM COMPONENTS ARE NOT REPLACEABLE					
-141	2537375	• SHAFT				2	
-142	2598074	• CABLE DUCT				1	
-142A	825559	• STRAP				1	
-143	5319854	• SCREW, SELF TAP, HEX, WSHR, 8-32UNC, 0.375LG				ATT PT 2	
-144	219743	• CLIP, RETAINING, 0.392ID, 0.042THK				2	
-145	130985	• WSHR, FLAT, 0.531ID, 1.062OD, 0.095THK				4	
-146	2537478	• SPRING, SPECIAL				2	
-147	2537479	• STOP, NYLON				2	

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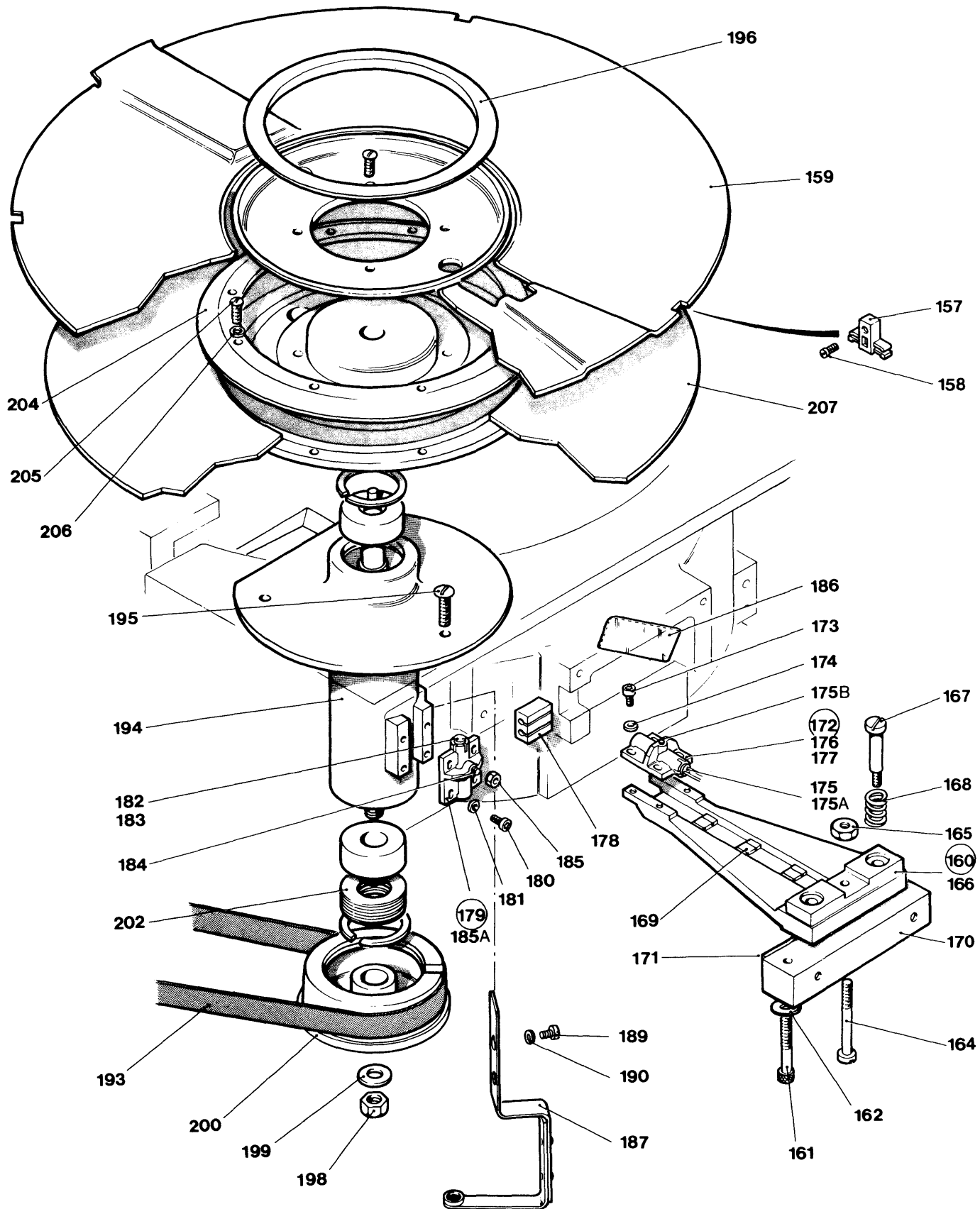


FIGURE 2. 5444 DISK FILE, FINAL ASSEMBLY (PART 3 OF 3)

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 3)					
2 -	2536500 NP	FINAL ASSEMBLY, 5444 DISK FILE				REF	
-157	5831709	. CLIP, LOWER SHIELD, NYLON				4	
-158	38265	. SCREW, MACH, SLOT FIL HD, 4.40UNC, 0.438LG				4	
-159	2536458	. SHIELD				1	
-160	2536454	. BOOM, ASM, TRANSDUCER				1	
-161	186933	. SCREW, MACH, HEX SOC HD 10-32 X 1.250 LG				2	
-162	45690	. WASHER, FL, NO.10 X 7/16 OD X 1/32 THK				2	
-163	2536450	. BOOM, TRANSDUCER				1	
-164	209033	. SHAFT, SCREW, SHOULDER, 10-32UNF				1	
-165	11598	. NUT, MACH, HEX, 10-32UNF				1	
-166	2536452	. PLATE				1	
-167	5264648	. SCREW, SHOULDER, SLOT, FLAT FIL HD, 10-32UNF				2	
-168	603863	. SPRING				2	
-169	5831923	. CLAMP, CABLE, RUBBER				3	
-170	2536451	. SUPPORT BLOCK				1	
-171	2536453	. SEAL, SELF ADHESIVE				1	
-172	2598087	. TRANSDUCER ASM, UPPER				1	
-173	186923	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.25LG				4	
-174	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK				4	
-175	2536272	. COIL ASM, UPPER				1	
-175A	2283001	. TRANSDUCER				1	
-175B	257956	FOR OTHER COMPONENT PARTS SEE FIGURE 14, -3, -4A					
-176	5831921 NR	. SCREW, HDLESS, 6-FLUTE, 4-40UNC, 0.125LG				1	
-177	5831989	. HOUSING				1	
-177	5831990	. SHIM, 0.003THK				AR	
-177	5831991	. SHIM, 0.008THK				AR	
-177	5831991	. SHIM, 0.020THK				AR	
-178	5831922	. CLAMP, CABLE				1	
-179	2598086	. TRANSDUCER ASM, LOWER				1	
-180	251970	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.25LG				4	
-181	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK				4	
-182	2536356	. COIL ASM				1	
-183	2283001	. TRANSDUCER				1	
-184	257960	FOR OTHER COMPONENT PARTS SEE FIGURE 14 -3, -4A					
-185	2114985	. SETSCREW, HEADLESS FP 4-40 X 1/4 LG				1	
-185A	5831921 NR	. NUT, SELF LKG HEX 4, 40 X .062 THK				1	
-186	5831793	. HOUSING				1	
-187	2597932	FOR OTHER COMPONENT PARTS SEE FIGURE 14 -3, -4					
-188	5831793	. WINDOW (EARLY MACHINES ONLY)				1	
-189	10170	. SPRING, ASM				1	
-190	62031	ASM COMPONENTS ARE NOT REPLACEABLE					
-193	2537371	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG				1	
-194	2600573	. WSHR, LCK, IT, 0.141ID, 0.295OD, 0.021THK				1	
-195	5677	. BELT				1	
-196	2207715	. SPINDLE ASM (WITH METAL PULLEY)				1	
-198	8163	WHEN REPLACED, NEW FIXED DISK (ITEM 207) MUST BE FITTED					
-199	453	. SCREW, MACH, BIND HD 10-32 X 3/4 LG				3	
-200	2598195	. MAGNET				1	
-202	2199329 NR	. NUT, PLAIN, HEX, 3/8-24 X 9/16 FL W				1	
-204	5831713	. WASHER, FL, 3/8 X 13/16 OD X 1/16 THK				1	
-205	34512	. PULLEY, SPINDLE, METAL				1	
-206	2219193	ASSEMBLY COMPONENTS ARE NOT REPLACEABLE					
-207	2597938	. SPRING, BELLEVILLE				1	
-208	2536503 NP	OTHER ASM COMPONENTS ARE NOT REPLACEABLE					
		. CLAMP, RING				1	
		. SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.375LG				8	
		. WASHER				8	
		. FIXED DISK REPLACEMENT PACK				1	
		. BASE CASTING				1	
		(NOT ILLUSTRATED)					

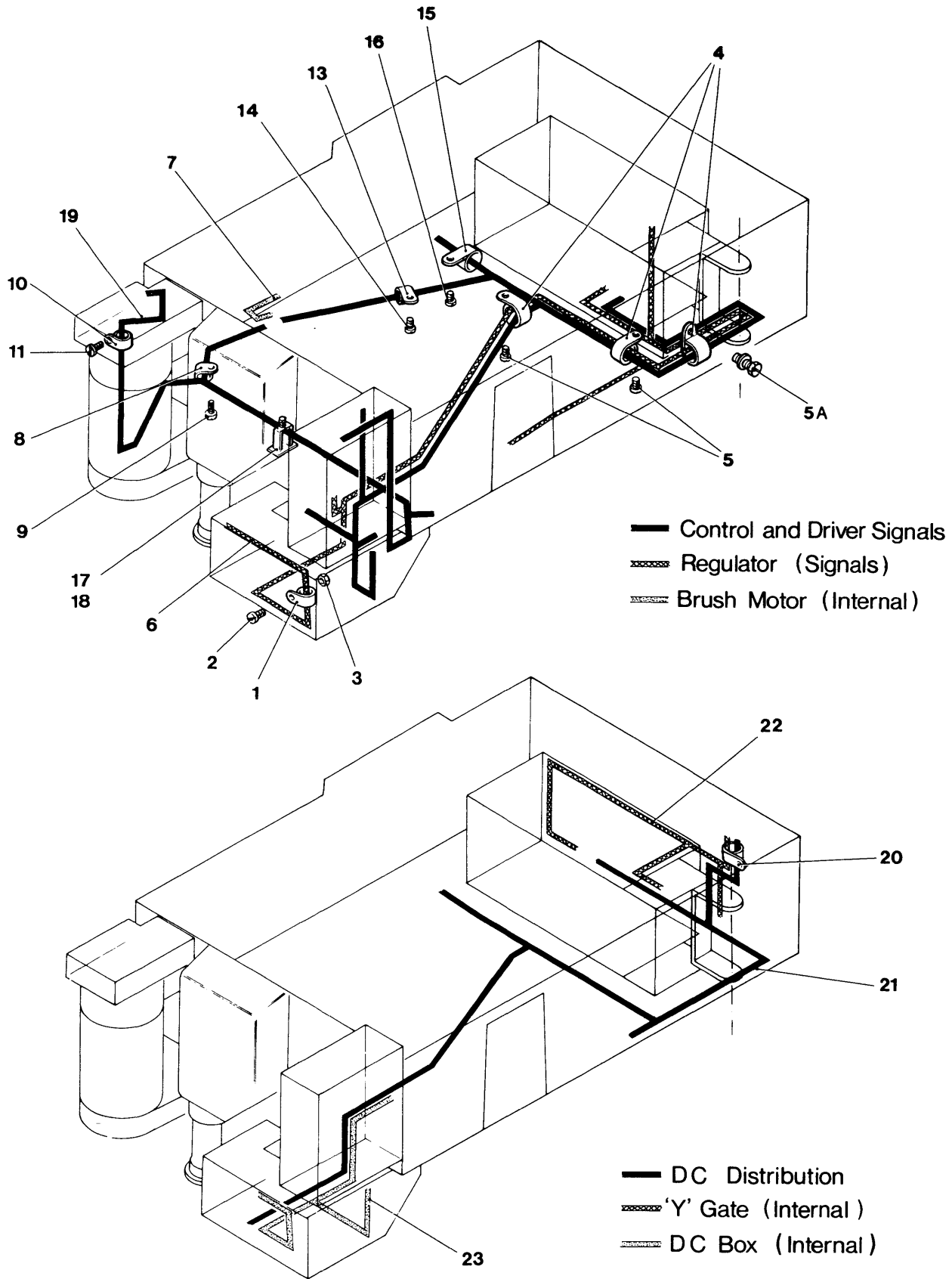
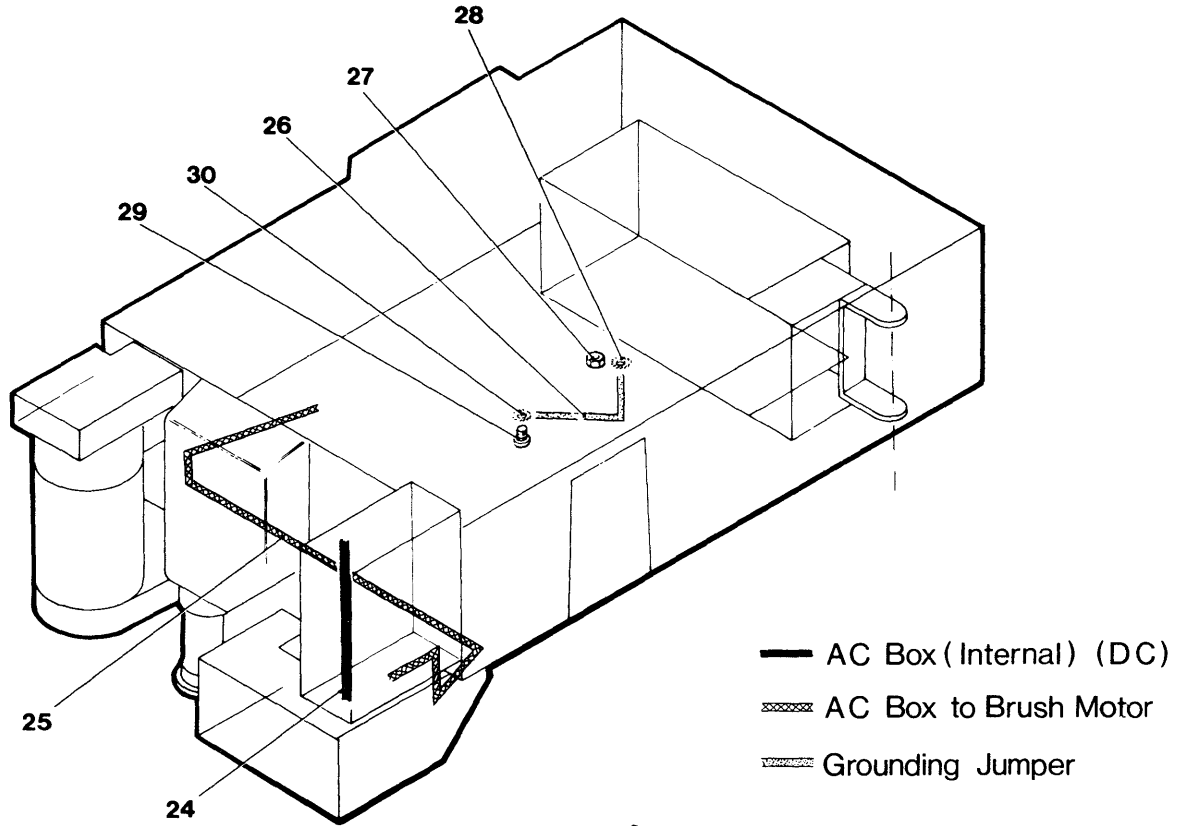


FIGURE 3. CABLE ASSEMBLIES (PART 1 OF 2)



For tape cables
see CEM 154

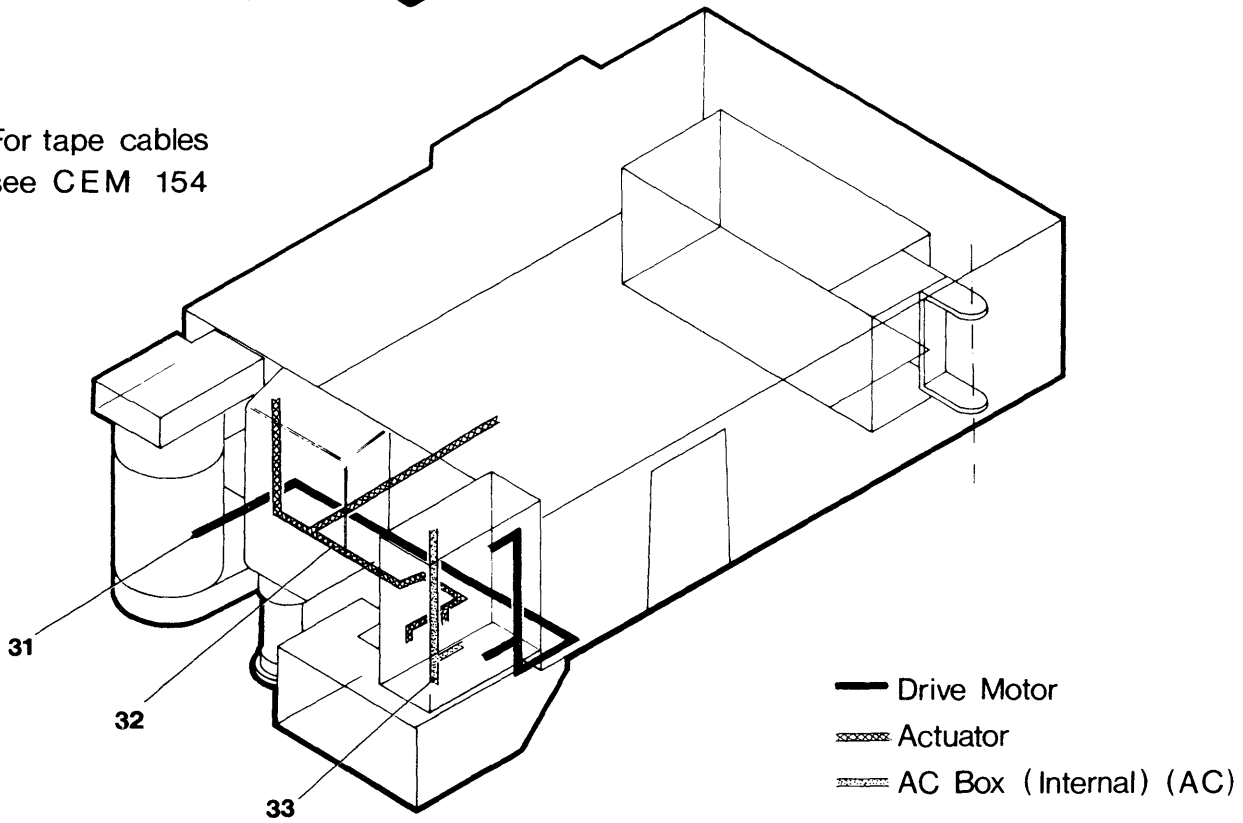


FIGURE 3. CABLE ASSEMBLIES (PART 2 OF 2)

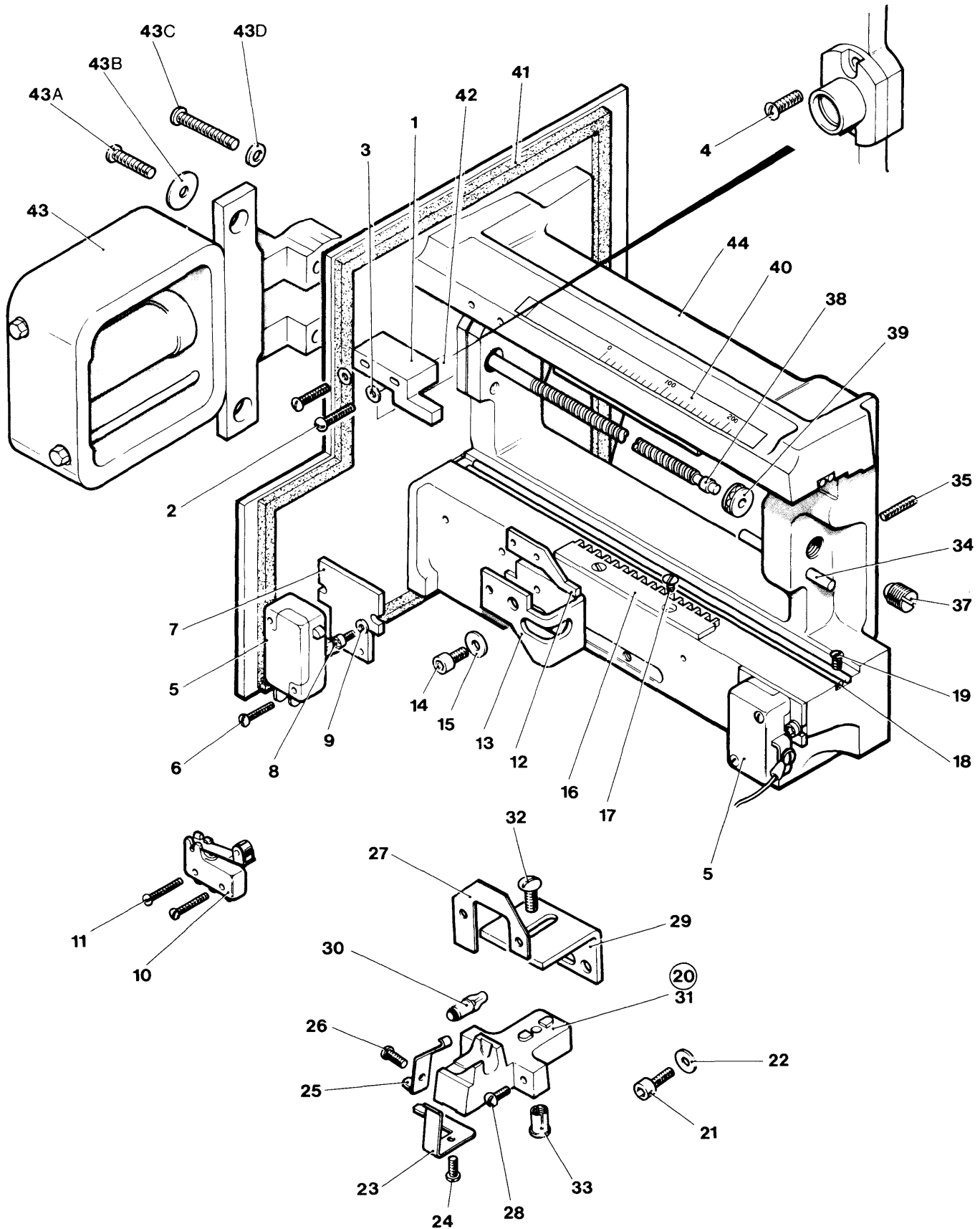


FIGURE 4. ACTUATOR ASSEMBLY (PART 1 OF 3)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS	USABLE
			PER ASM.	ON CODE
		ACTUATOR ASSEMBLY (PART 1 OF 3)		
4 -	2536510	ACTUATOR ASSEMBLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
- 1	2536434	. TRIP	1	
- 2	52523	. SCREW, MACH, SLOT FIL HD, 4-40UNC, 0.624LG	ATT PT	2
- 3	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	ATT PT	2
- 4	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG		2
- 5	2426288	. SWITCH, PRECISION		2
- 6	438550	. SCREW MACH, SLOT BIND HD, 4-40UNC, 0.5LG	ATT PT	4
- 7	5831895	. PLATE, STEEL		2
- 8	186924	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	ATT PT	4
- 9	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	ATT PT	4
- 10	682902	. SWITCH		1
- 11	21636	. SCREW, MACH, SLOT FIL HD, 2-56UNC, 0.5LG	ATT PT	2
- 12	2536399	. PLATE, NUT		1
- 13	2537360	. BRACKET SWITCH, OFF DISK		1
- 14	149897	. SCREW, HEX, SKT HD CAP, 8-32UNC, 0.375LG	ATT PT	1
- 15	22478	. WSHR, FLAT, 0.17ID, 0.375OD, 0.032THK	ATT PT	1
- 16	5831892 NR	. RACK, ACTUATOR		2
- 17	52522	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.312LG	ATT PT	4
- 18	5831903 NR	. SHAFT, RACEWAY		4
- 19	52570	. SCREW, MACH, SLOT FLAT HD, 2-56UNC, 0.312LG	ATT PT	2
- 20	5831927	. SENSOR ASM		1
- 21	149897	. SCREW, HEX, SKT HD CAP, 8-32UNC, 0.375LG	ATT PT	1
- 22	22478	. WSHR, FLAT, 0.17ID, 0.375OD, 0.032THK	ATT PT	1
- 23	5831886	. . SPRING, CONTACT		1
- 24	244049	. . SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG	ATT PT	1
- 25	5831856	. . SPRING, CONTACT		1
- 26	244049	. . SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG	ATT PT	1
- 27	5831930	. . DETECTOR ASM		1
		ASM COMPONENTS ARE NOT REPLACEABLE		
- 28	251970	. . SCREW, MACH, SLOT BIND HD, 4-40, 0.25LG	ATT PT	2
- 29	5831887	. . BRACKET		1
- 30	369675	. . LAMP		1
- 31	5831926	. . HOLDER, LAMP		1
- 32	34512	. . SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.375LG	ATT PT	1
- 33	5831716	. . INSERT, BRASS	ATT PT	1
- 34	2537370	. SHAFT, STOP		1
- 35	1177217	. SCREW, HDLESS SET, 6-FLUTE, 4-40UNC, 0.25LG	ATT PT	1
- 37	5831852 NR	. SCREW ASM		1
		ASM COMPONENTS ARE NOT REPLACEABLE		
- 38	5831748 NR	. LEAD SCREW ASM		1
		ASM COMPONENTS ARE NOT REPLACEABLE		
- 39	5831908 NR	. BEARING, THRUST		1
- 40	5831657	. LABEL, SELF ADHESIVE		1
- 41	5831857	. GASKET, RUBBER, SELF ADHESIVE		1
- 42	2537579	. SEAL, ALUMINIUM, SELF ADHESIVE		1
- 43	2537382	. VOICE COIL ASM		1
		FOR DETAIL BREAKDOWN SEE FIGURE 5		
- 43A	438549	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.438LG	ATT PT	2
- 43B	9895	. WASHER, FLAT, 0.128ID, 0.438OD, 0.031THK	ATT PT	2
- 43C	438551	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.625LG	ATT PT	2
- 43D	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	ATT PT	2
- 44	2536342 NR	. CASTING, ACTUATOR		1

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		ACTUATOR ASSEMBLY (PART 2 OF 3)		
4 -	2536510	ACTUATOR ASSEMBLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
- 45	2537348 NR	. RACK, CARRIAGE	1	
- 46	2537359 NR	. SPRING, COMPRESSION, RACK	2	
- 47	2536649 NR	. SCREW, SHOULDER, SLOT HD, STAINLESS, 4-40UNC	2	ATT PT
- 48	5831891 NR	. RACK, CARRIAGE	1	
- 49	236550	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.375LG	3	ATT PT
- 50	5831682 NR	. CAGE ASM	2	
- 51	1093646 NR	. . WHEEL, STAR	1	
- 52	82125 NR	. . BALL, STEEL	10	
- 53	5831681 NR	. . BALL CAGE	1	
- 54	5831902 NR	. SHAFT, RACEWAY	4	
- 55	2537341	. LINK, HEAD LOAD	2	
- 56	2537340	. LINK, HEAD LOAD	1	
- 57	2537339	. LINK, HEAD LOAD	1	
- 58	186924	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	4	ATT PT
- 59	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	4	ATT PT
- 60	5831687	. SHAFT ASM, DOWN	2	
- 61	5831686	. SHAFT ASM, UP	2	
- 62	2598185 NR	. . BRACKET, HEAD LOAD USED ON SHAFT ASM DOWN ONLY	1	
- 63	2598184 NR	. . BRACKET, HEAD LOAD USED ON SHAFT ASM UP ONLY	1	
- 64	2598183 NR	. . SPRING, HEAD LOAD	1	
- 65	2598182 NR	. . SHAFT, STAINLESS	1	
- 65A	2598191	. . PIN, COILED, STAINLESS	4	
- 66	2598030	. SHUTTER	1	
- 67	48594	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.125LG	2	ATT PT
- 68	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	2	ATT PT
- 69	2598029	. BRACKET, STRIKER	1	
- 70	438548	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG	2	ATT PT
- 71	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	2	ATT PT
- 72	2537570	. SCREW, LOCKING, HEX HD, 4-40UNC	2	
- 73	2536483	. CLAMP HEAD	2	
- 73A	332981	. SPRING	2	
- 74	2121358	. SCREW, MACH, SKT HD, 6-FLUTE, 4-40UNC, 1LG	2	ATT PT
- 75	257985	. WSHR, FLAT, 0.125 ID, 0.25 OD, 0.022THK	2	ATT PT
- 76	2536432	. PLATE, CLAMP	2	
- 77	2536433	. PLATE, SPRING	1	
- 78	2536437	. BRACKET, STEEL	1	
- 79	438548	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG	4	ATT PT
- 80	2536435	. BRACKET, MTG, STEEL	1	
- 81	438548	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG	2	ATT PT
- 82	2536436	. SUPPORT	1	
- 83	438548	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG	1	ATT PT
- 84	5831870	. POINTER	1	
- 85	186399	. SCREW, MACH, SLOT BIND HD, 2.56UNC, 0.188LG	1	ATT PT
- 86	2536431	. SCREW, LOCKING, HEX HD, 4-40UNC, 0.5LG	4	
- 87	2598171	. CLAMP, LEAD	1	
- 88	186923	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.25LG	1	ATT PT
- 88A	6484	. CLAMP	1	
- 88B	186923	. SCREW, SKT HD CAP, 6-FLUTE, 4-40, 0.25LG	1	ATT PT
- 89	2536482	. SPRING, HEAD RETAINING	2	
- 90	186923	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.25LG	2	ATT PT
- 91	2536442	. LEVER ASM	1	
- 92	186924	. SCREW, SKT HD CAP, 6-FLUTE, 4-40UNC, 0.375LG	1	ATT PT
- 93	2536440	. . LEVER, TRIP	1	
- 94	1073418	. . CLIP, RETAINING, 0.094ID, 0.015THK	1	
- 95	2536438	. . LEVER	1	
		OTHER ASM COMPONENTS ARE NOT REPLACEABLE		
- 96	475324 NR	. SCREW, HDLESS SET, 6-FLUTE, 6-32UNC, 0.375LG	1	
- 97	2537363 NR	. BLOCK, TAPPED	1	
- 98	322550 NR	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.5LG	1	ATT PT
- 99	2537364 NR	. PLATE, PRESSURE	1	
-100	5831899 NR	. WASHER, SPRING, 0.283ID, 0.504OD, 0.0098THK	2	
-101	5831900 NR	. BEARING, ANNULAR BALL	1	
-102	5831680 NR	. WHEEL	1	
-103	5831869 NR	. RING, RETAINING, 0.56OD, 0.035THK	1	
-104	2537447 NR	. ROLLER ASM	1	
-105	1177217	. SCREW, HDLESS SET, 6-FLUTE, 4-40UNC, 0.25LG	2	ATT PT
-106	5831746 NR	. . BEARING, ANNULAR BALL, FIXED RAIL	1	
-107	2598088 NR	. . CLIP, RETAINING	2	
-108	2537446 NR	. . SHAFT, FIXED RAIL, STAINLESS	1	
-109	2536485 NR	. PLATE, ALUMINIUM ALLOY	1	
-109A	2536254 NR	. SHIM, STAINLESS, 0.01	AR	
-110	2536486 NR	. SPRING, COMPRESSION	2	
-111	38262	. SCREW, MACH, SLOT FIL HD, 4-40UNC, 0.25LG	2	ATT PT

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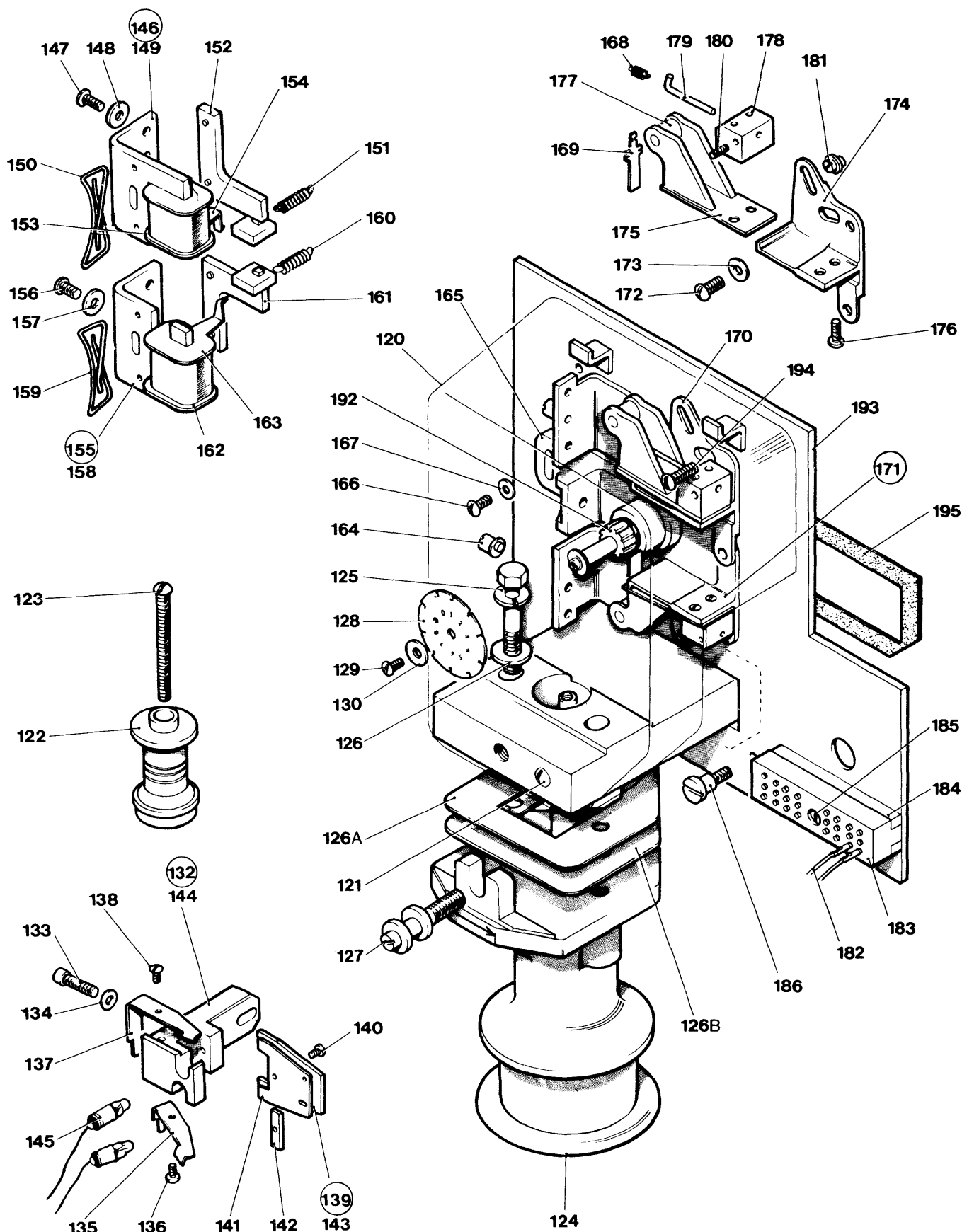


FIGURE 4. ACTUATOR ASSEMBLY (PART 3 OF 3)

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		ACTUATOR ASSEMBLY (PART 3 OF 3)		
4 -	2536510	ACTUATOR ASSEMBLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
-120	2537312	. COVER, PERSPEX	1	
-121	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG	ATT PT	1
-122	2598021	. TYRE ASM ONLY TYRES MARKED WITH RINGS OR WITH DOTS ARE TO BE USED ASM COMPONENTS ARE NOT REPLACEABLE		1
-123	438590	. SCREW, MACH, UNDRCT BIND HD, 8-32UNC, 1.75LG	ATT PT	1
-124	2598022	. LAYSHAFT ASM ASM COMPONENTS ARE NOT REPLACEABLE		1
-125	234345	. SCREW, LOCK, SLOT HEX HD, 0.25-20UNC, 1.25LG	ATT PT	2
-126	3550	. WSHR, FLAT, 0.265ID, 0.562OD, 0.05THK	ATT PT	2
-126A	2598015	. SHIM 0.015		AR
-126B	2598016	. SHIM 0.005		AR
-127	2598020	. SCREW, STAINLESS STEEL, 1.23LG		1
-128	2536358	. DISK		1
-129	1164027	. SCREW, SPECIAL, SLOT HD, 4-40UNC, 0.25LG	ATT PT	1
-130	5831904	. WASHER, ALUMINIUM, COLORED BROWN		1
-132	5831987	. SENSOR, ASM, TWO LAMP		1
-133	251820	. SCREW, SKT HD CAP, 6-FLUTE, 6-32UNC, 0.5LG	ATT PT	1
-134	257986	. WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK	ATT PT	1
-135	5831928	. . . RETAINER, LAMP		1
-136	244049	. . . SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG	ATT PT	1
-137	5831929	. . . RETAINER, LAMP		1
-138	244049	. . . SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG	ATT PT	1
-139	2537349	. . . MASK ASM, TWO LAMP		1
-140	244049	. . . SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG	ATT PT	1
-141	5831934 PLATE, MASK		1
-142	5831933 SPACER		1
-143	5831993	. . . CONTACT ASM ASM COMPONENTS ARE NOT REPLACEABLE		1
-144	5831976	. . . PEDESTAL, TWO LAMP		1
-145	2598077	. LAMP, WITH LEAD		2
-146	2598036	. CLUTCH ASM UPPER		1
-147	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG	ATT PT	2
-148	257986	. WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK	ATT PT	2
-149	2598026	. . . MOUNTING, MAGNETIC CORE		1
-150	2537316	. . . SPRING, MUSIC WIRE		1
-151	5831662	. . . SPRING		1
-152	2598034	. . . ARM ASM ASM COMPONENTS ARE NOT REPLACEABLE		1
-153	2426164	. . . COIL ASM		1
-154	5831668	. . . BRACKET		1
-155	2598035	. CLUTCH ASM, LOWER		1
-156	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG	ATT PT	2
-157	257986	. WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK	ATT PT	2
-158	2598025	. . . MOUNTING, MAGNETIC CORE		1
-159	2537316	. . . SPRING, MUSIC WIRE		1
-160	5831662	. . . SPRING		1
-161	2598033	. . . ARM ASM ASM COMPONENTS ARE NOT REPLACEABLE		1
-162	2426164	. . . COIL ASM		1
-163	5831668	. . . BRACKET		1
-164	2536357	. SHAFT, ECCENTRIC, LARGE		2
-165	5831994	. HOUSING, SENSOR		1
-166	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG	ATT PT	1
-167	257986	. WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK	ATT PT	1
-168	2537464	. SPRING, EXTENSION, PAWL		2
-169	5831851	. PAWL		2
-170	2537567	. BRACKET ASM, LOWER		1
-171	2537569	. BRACKET ASM, UPPER		1
-172	58207	. SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.25LG	ATT PT	2
-173	22478	. WSHR, FLAT, 0.17ID, 0.375OD, 0.032THK	ATT PT	2
-174	2597923	. . . PAWL BRACKET, UPPER USED ON CLUTCH ASM UPPER ONLY		1
-174	2597924	. . . PAWL BRACKET, LOWER USED ON CLUTCH ASM LOWER ONLY		1
-175	2537565	. . . ARM, DAMPER ASM COMPONENTS ARE NOT REPLACEABLE		1
-176	236550	. . . SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.375LG	ATT PT	2
-177	2537458	. . . WEIGHT, LEAD		1
-178	2597918	. . . BLOCK, SPRING		1
-179	2537459	. . . PIN, SPRING		1
-180	257958	. . . SETSCREW, SPLINE DR FP 4-40 X 3/16 LG	ATT PT	1
-181	2537466	. SPIGOT, ECCENTRIC		2

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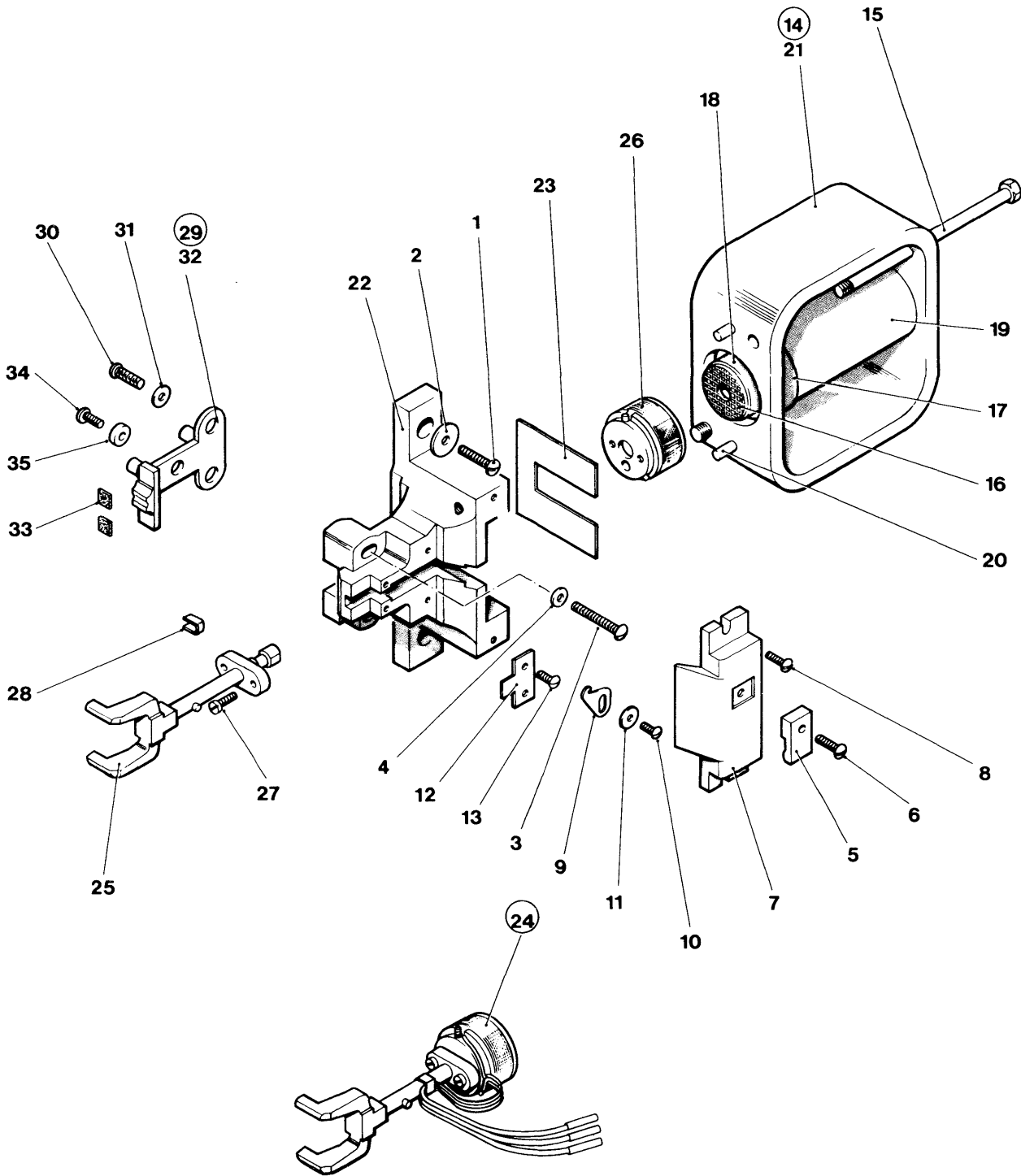


FIGURE 5. VOICE COIL ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		VOICE COIL ASSEMBLY					
5 -	2537382	VOICE COIL ASSEMBLY				REF	
- 1	438549	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.438LG				ATT PT	REF
- 2	9895	. WSHR, FLAT, 0.128ID, 0.438OD, 0.031THK				ATT PT	REF
- 3	438551	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.625LG				ATT PT	REF
- 4	257985	. WASHER, FLAT, 0.125ID, 0.25OD, 0.022THK				ATT PT	REF
		FOR NEXT HIGHER ASM SEE FIGURE 4					
- 5	2537431	. CLAMP, POLYCARBONATE				1	
- 6	244049	. SCREW, SELF TAP, PAN HD, 4-40UNC, 0.112LG				ATT PT	1
- 7	2537432	. BRACKET, POLYCARBONATE				1	
- 8	438538	. SCREW, MACH, UNDRCT BIND HD 2-56 X 1/4 LG				ATT PT	2
- 9	2537314	. LATCH, YOKE				1	
- 10	186399	. SCREW, MACH, SLOT BIND HD, 2.56UNC, 0.188LG				ATT PT	1
- 11	2536350	. WASHER, FLAT, 0.26OD, 0.1ID, 0.02THK				ATT PT	1
- 12	2537397	. PLATE, STEEL				1	
- 13	438538	. SCREW, MACH, UNDRCT BIND HD 2-56 X 1/4 LG				ATT PT	2
- 14	2537383	. MAGNET ASM				1	
- 15	2537426	. SCREW, STEEL, 8-32UNC, 2-65LG				ATT PT	2
- 16	2537398 NR	. . BUFFER, POLYURETHANE				1	
- 17	2537386 NR	. . SHIELD, ALUMINIUM				1	
- 18	2537430 NR	. . CORE, STEEL				1	
- 19	2537385 NR	. . MAGNET				1	
- 20	104696 NR	. . PIN, DOWEL, 0.1253 DIA, 0.5LG				2	
- 21	2537384 NR	. . FRAME, MAGNET				1	
- 22	2537393	. FRAME, ALUMINIUM				1	
- 23	2537399	. BUFFER, POLYURETHANE				1	
- 24	2537391	. YOKE ASM				1	
- 25	2537392 NR	. . YOKE				1	
- 26	2537387 NR	. . BOBBIN ASM				1	
- 27	365776 NR	. . SCREW, MOUNTING, BRASS, HARD, 2-56UNC, 0.19LG				ATT PT	2
- 28	2537400 NR	. . CLIP, ALUMINIUM				1	
- 29	2537394	. PLATE ASM				1	
- 30	438538	. SCREW, MACH, UNDRCT BIND HD 2-56 X 1/4 LG				ATT PT	2
- 31	2536350	. WASHER, FLAT, 0.26OD, 0.1ID, 0.02THK				ATT PT	2
- 32	2537395 NR	. . LOCATION PLATE				1	
- 33	2537396 NR	. . BUFFER				2	
- 34	438538	. SCREW, MACH, UNDRCT BIND HD 2-56 X 1/4 LG				1	
- 35	1138455	. WASHER, FLAT, 0.20D, 0.13ID, 0.635THK				1	

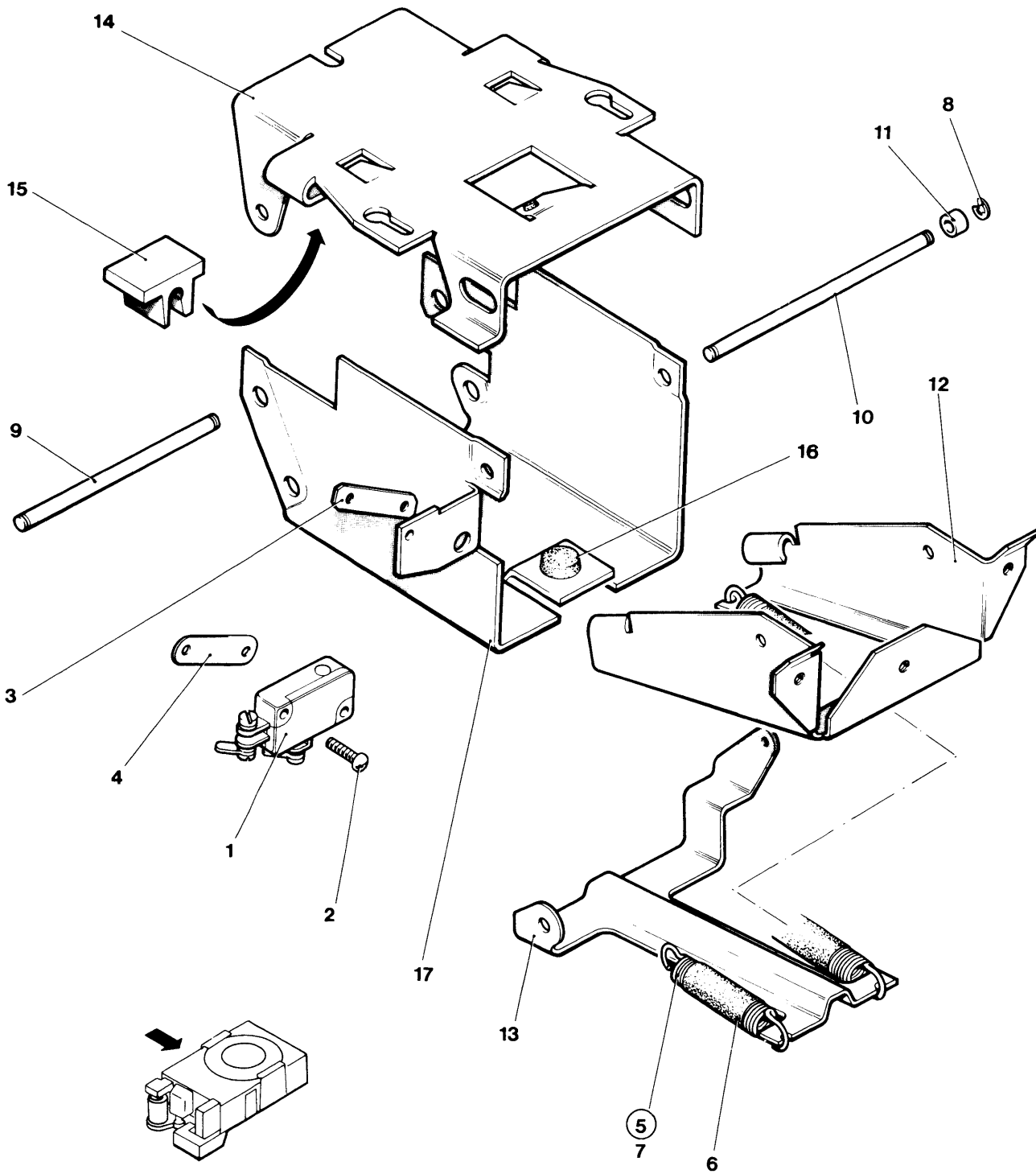


FIGURE 6. CLAMP ASSEMBLY - LH

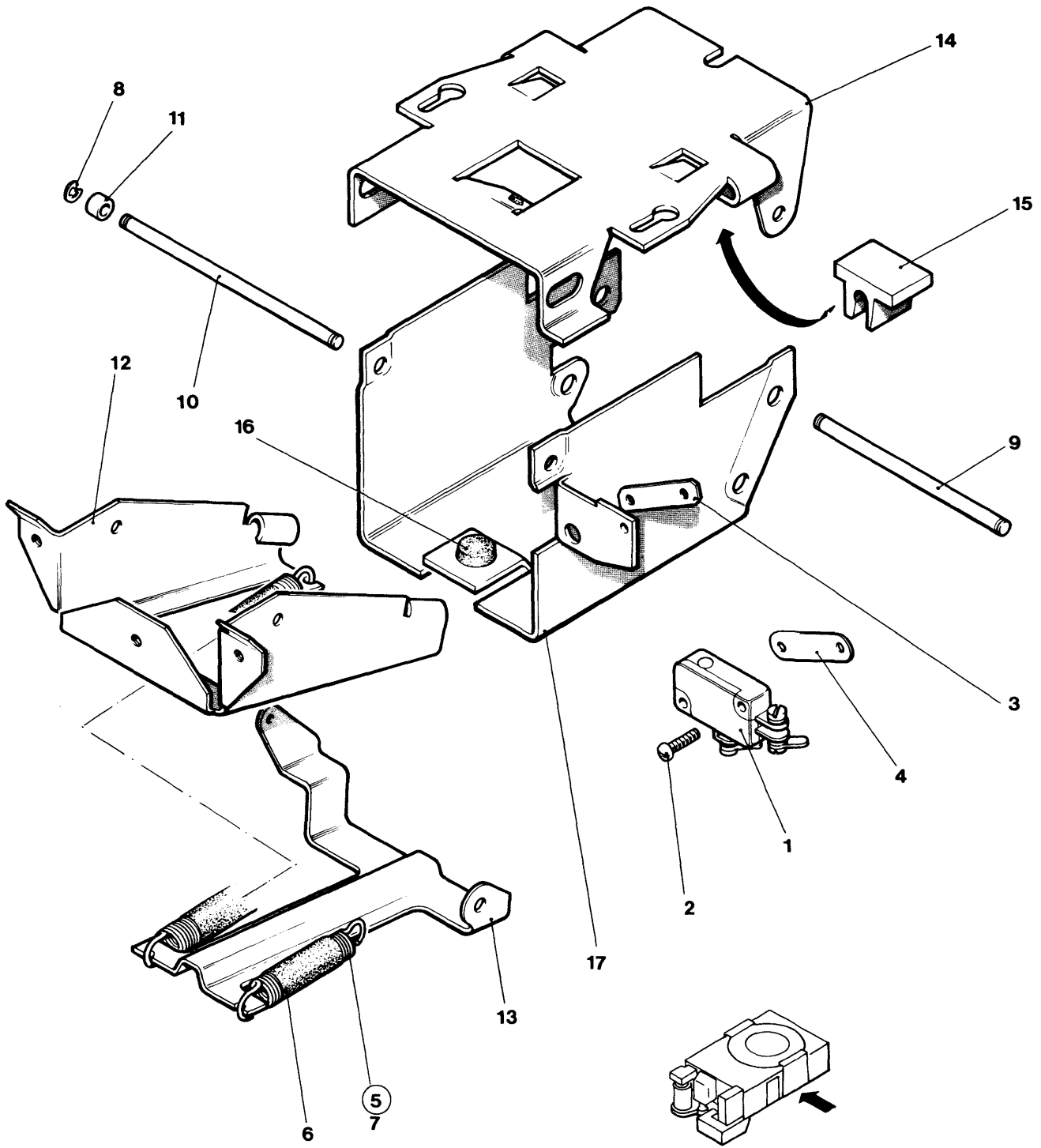


FIGURE 7. CLAMP ASSEMBLY - RH

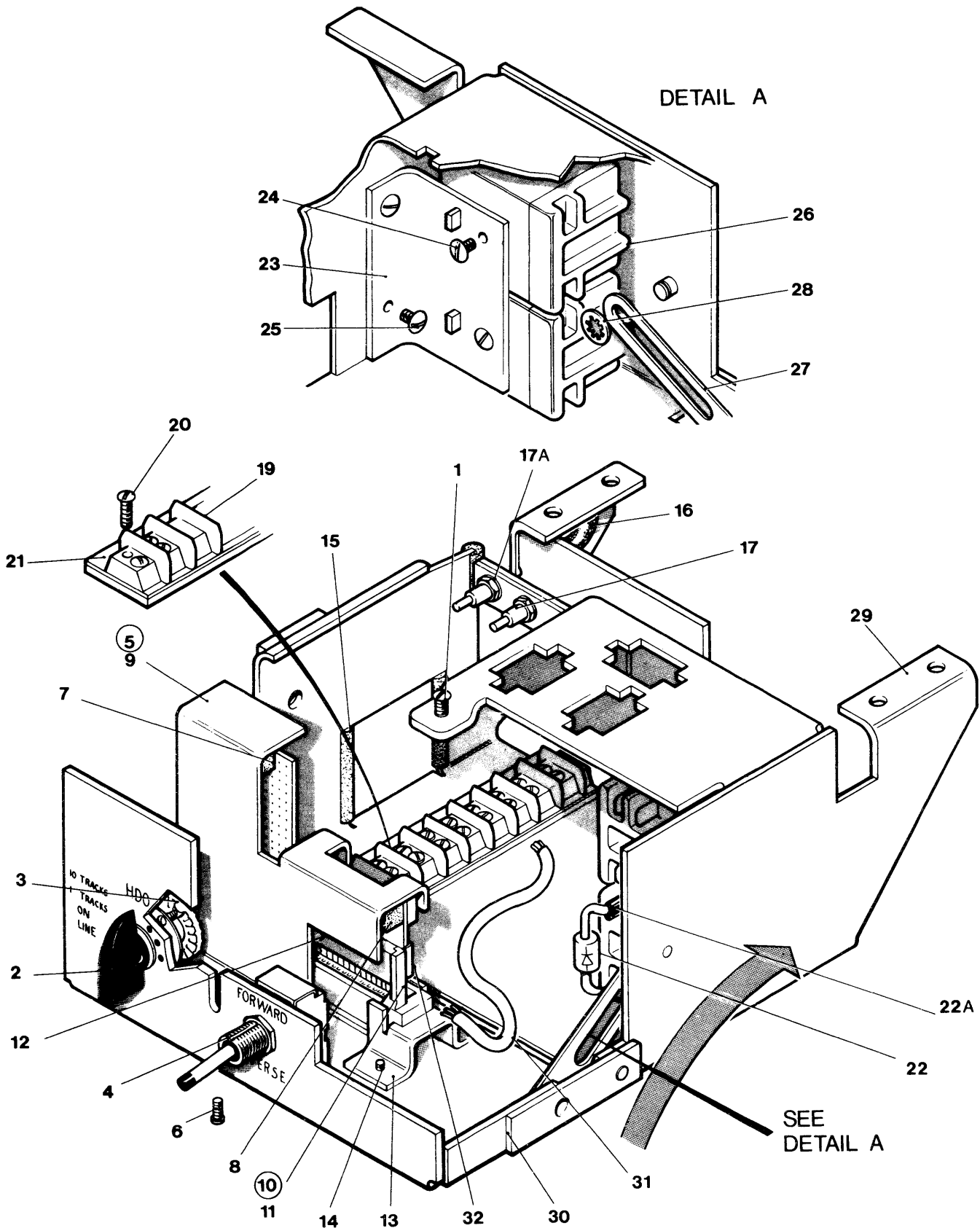


FIGURE 8. DC BOX ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		DC BOX ASSEMBLY		
8 -	2537303	DC BOX ASSEMBLY	REF	
- 1	322550	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.5LG	1	
- 2	317173	. KNOB	1	
- 3	2283002	. SWITCH ASM	1	
- 4	2283005	. SWITCH,TOGGLE,DPDT	1	
- 5	2597956	. CLAMP ASM	1	
- 6	10170	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG	2	ATT PT
- 7	2537577	. . PAD,RUBBER,0.6 X 1.25 X 0.25	1	
- 8	2537576	. . PAD,RUBBER,0.25 X 0.6 X 0.25	2	
- 9	2597955	. . CLAMP,CARD	1	
- 10	2536623	. CONNECTOR ASM	1	
- 11	813329 NR	. . INTERFACE	1	
- 12	2536604 NR	. . BOARD ASM	1	
- 13	2537571	. BRACKET	1	
- 14	10170	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.25LG	2	ATT PT
- 15	5831794	. CHANNEL	AR	
- 16	123072	. GROMMET,RUBBER,0.438ID	2	
- 17	5261459	. TERMINAL,POST	4	
- 17A	257986	. WASHER,FLAT,0.156ID,0.312OD,0.035THK	4	ATT PT
- 19	522850	. TERMINAL BLOCK	1	
- 20	81693	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.375LG	4	ATT PT
- 21	522849	. STRIP,MARKER	1	
- 22	2111232	. DIODE	1	
- 22A	113819	. SLEEVE	AR	
- 23	2537542	. BRACKET,MOUNTING	1	
- 24	38235	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.312LG	2	ATT PT
- 25	55726	. SCREW,MACH,SLOT BIND HD,6-32UNC,0.188LG	2	ATT PT
- 26	2283000	. RELAY,3P,DT,24V	2	
- 27	2597957	. LINK	1	
- 28	257982	. CLIP,STUD RETAINING,0.232 ID	3	
- 29	2537556	. BOX DC	1	
- 30	2537557	. COVER	1	
- 31	2537543	. CABLE HARNESS	1	
- 32	811802	FOR COMPONENT PARTS SEE FIGURE 14 -8,-10,-10A,-13,-15,-17 . GUIDE,CARD	1	

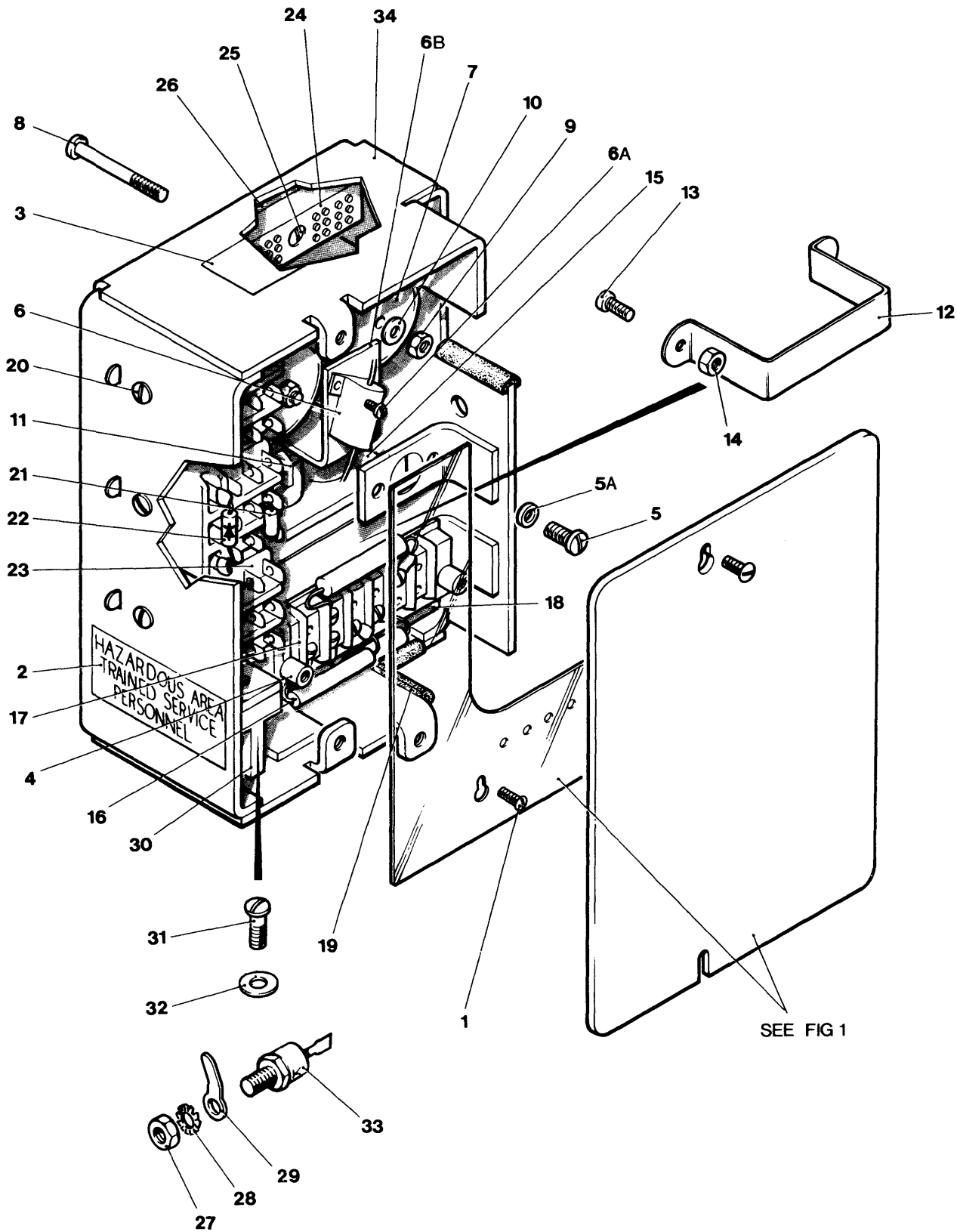


FIGURE 9. AC BOX ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS	USABLE
			PER ASM.	ON CODE
		AC BOX ASSEMBLY		
9 -	2597913	AC BOX ASSEMBLY USED ON 50HZ MACHINES ONLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
-	5144390	AC BOX ASSEMBLY USED ON 60HZ MACHINES ONLY FOR NEXT HIGHER ASM SEE FIGURE 2	REF	
- 1	10170	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.25LG	ATT PT	2
- 2	369207	. LABEL, SELF ADHESIVE		1
- 3	138755	. LABEL, SELF ADHESIVE		1
- 4	210883	. STOP, SPACER		2
- 5	34512	. SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.375LG NOT PART OF AC BOX ASM - ORDER SEPARATELY		1
- 5A	55901	. WSHR, LCK, ET, 0.168ID, 0.381OD, 0.023THK NOT PART OF AC BOX ASM - ORDER SEPARATELY		1
- 6	208249	. RESISTOR ASM		1
- 6A	731631	USED ON 60HZ MACHINES ONLY . SCREW, PAN HD, 4-40, 0.25LG	ATT PT	2
- 6B	5144387	USED ON 60HZ MACHINES ONLY . BRACKET, RESISTOR MOUNTING		1
- 7	2536337	USED ON 60HZ MACHINES ONLY . CHOKE ASM		2
- 8	438570	FOR TERMINALS SEE FIGURE 14 -10 . SCREW, MACH, SLOT BIND HD, 6-32UNC, 1.4LG	ATT PT	2
- 9	257187	. NUT, MACH, HEX, 6-32UNC	ATT PT	2
- 10	257986	. WSHR, FLAT, 0.156ID, 0.312OD, 0.035THK	ATT PT	2
- 11	526378	. INSULATOR		2
- 12	2122114	. BRACKET		1
- 13	25627	. SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.5LG	ATT PT	2
- 14	257189	. NUT, MACH, HEX, 8-32UNC	ATT PT	2
- 15	2283004	. CAPACITOR, FIXED, 2UF, 440V		1
- 16	2261919	. CAPACITOR ASM, FIXED, 0.01UF, 1000V		3
- 17	317232	. BLOCK, TERMINAL		1
- 18	581715	. MARKER, NUMBERED		1
- 19	2175867	. GROMMET		AR
- 20	38235	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.312LG		3
- 21	2261918	. CAPACITOR		1
- 22	2111232	. DIODE		1
- 23	2283000	. RELAY, 3P, DT, 24V		1
- 24	302090	. BOARD ASM, TERMINAL		1
- 25	438550	. SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.5LG	ATT PT	1
- 26	2536277	. INSULATOR, TERMINAL BLOCK		1
- 27	11598	. NUT, MACH, HEX, 10-32UNF		1
- 28	56079	. WSHR, LCK, ET, 0.195ID, 0.41OD, 0.025THK		1
- 29	316996	. LUG, TERMINAL		1
- 30	2598097	. INSULATOR, DIODE MOUNTING		1
- 31	236849	. SCREW, MACH, BIND HD, 10-32, 0.25LG	ATT PT	1
- 32	45690	. WASHER, FL, 0.437OD, 0.0313THK	ATT PT	1
- 33	5214094	. RECTIFIER, SILICON		1
- 34	2537483	. BOX		1

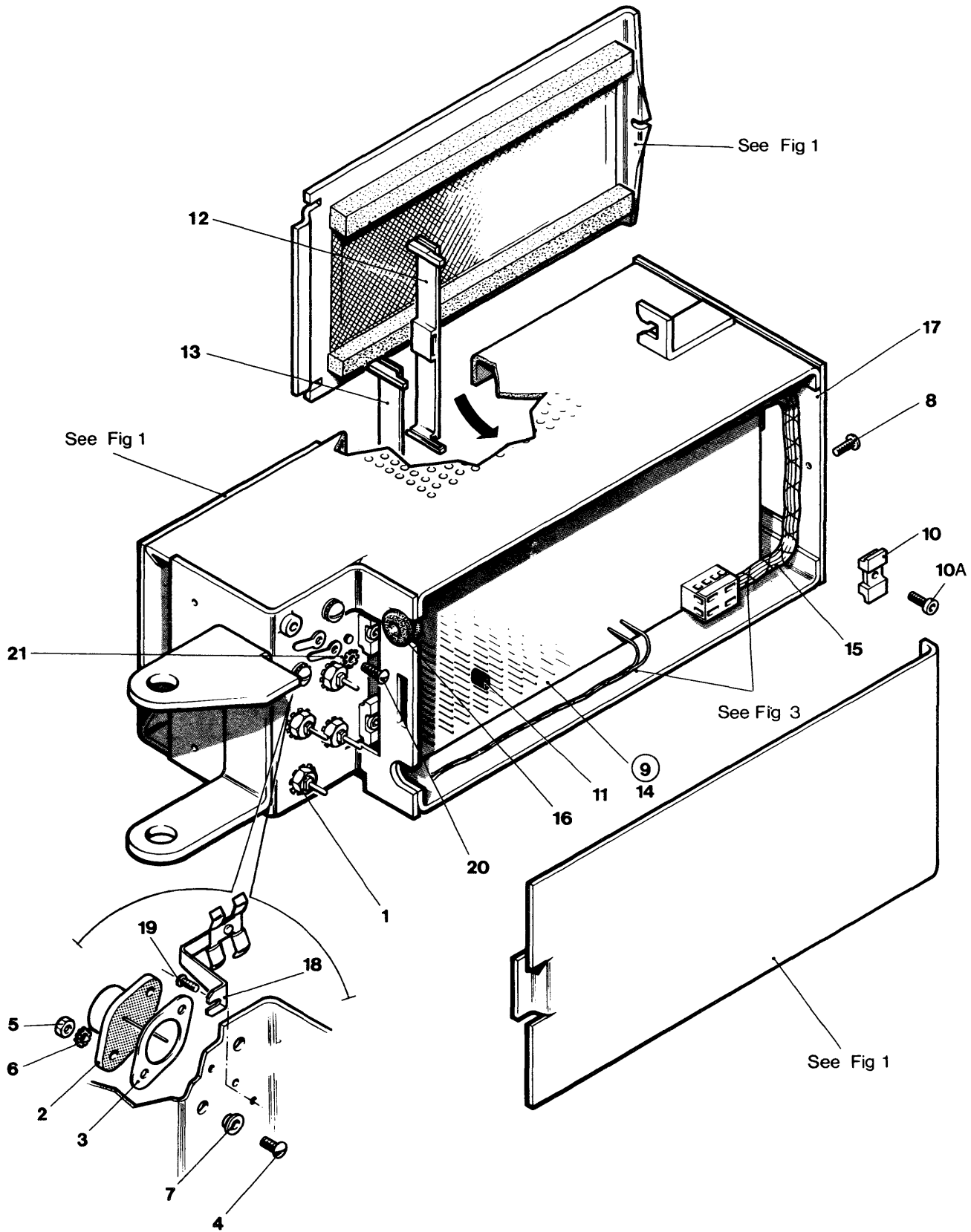


FIGURE 10. GATE ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION	UNITS PER ASM.	USABLE ON CODE
		1 2 3 4 GATE ASSEMBLY		
10 -	2537304	GATE ASSEMBLY	REF	
- 1	2192509	FOR NEXT HIGHER ASM SEE FIGURE 2 . CAPACITOR, FIXED, 0.01UF, 100V	4	
- 2	2414892	ASM COMPONENTS ARE NOT REPLACEABLE		
- 3	2537491	. TRANSISTOR, NPN 257	1	
- 4	35739	. INSULATOR	1	
- 5	257187	. SCREW, MACH, SLOT BIND HD, 6-32UNC, 0.438LG	2	
- 6	56722	. NUT, MACH, HEX, 6-32UNC	2	
- 7	2537489	. WSHR, LCK, ET, 0.141ID, 0.32OD, 0.022THK	2	
- 8	5700484	. BUSH, INSULATING	2	
- 9	2598049 NP	. SCREW, SELF TAP, 4-40UNC, 0.375LG	2	
- 10	813179	. BOARD ASM	1	
- 10A	811417	. CLAMP	4	
- 11	811090	. SCREW, SELF TAP, HEX SKT HD, 6-32UNC, 0.5LG	4	
- 12	811804	. INSULATOR	AR	
- 13	811802	. . GUIDE, CARD	9	
- 14	2598048	. . GUIDE, CARD	1	
		. . CUSTOMIZED BOARD ASM	1	
- 15	2537528	ASM COMPONENTS ARE NOT REPLACEABLE		
- 16	123070	. CABLE ASM	1	
		. . GROMMET, RUBBER, 0.438ID	1	
- 17	2537506 NR	FOR OTHER COMPONENT PARTS SEE FIGURE 14 -10A, -20, -22, -23, -24, -25, -26		
- 18	2597953	. GATE, BOX	1	
- 19	438548	. CLAMP ASM	1	
- 20	58207	NOT PART OF GATE ASM - ORDER SEPARATELY . SCREW, MACH, SLOT BIND HD, 4-40UNC, 0.188LG	1	
- 21	55901	NOT PART OF GATE ASM - ORDER SEPARATELY . SCREW, MACH, SLOT BIND HD, 8-32UNC, 0.25LG	REF	
		NOT PART OF GATE ASM - ORDER SEPARATELY . WSHR, LCK, ET, 0.168ID, 0.381OD, 0.023THK	REF	
		NOT PART OF GATE ASM - ORDER SEPARATELY		

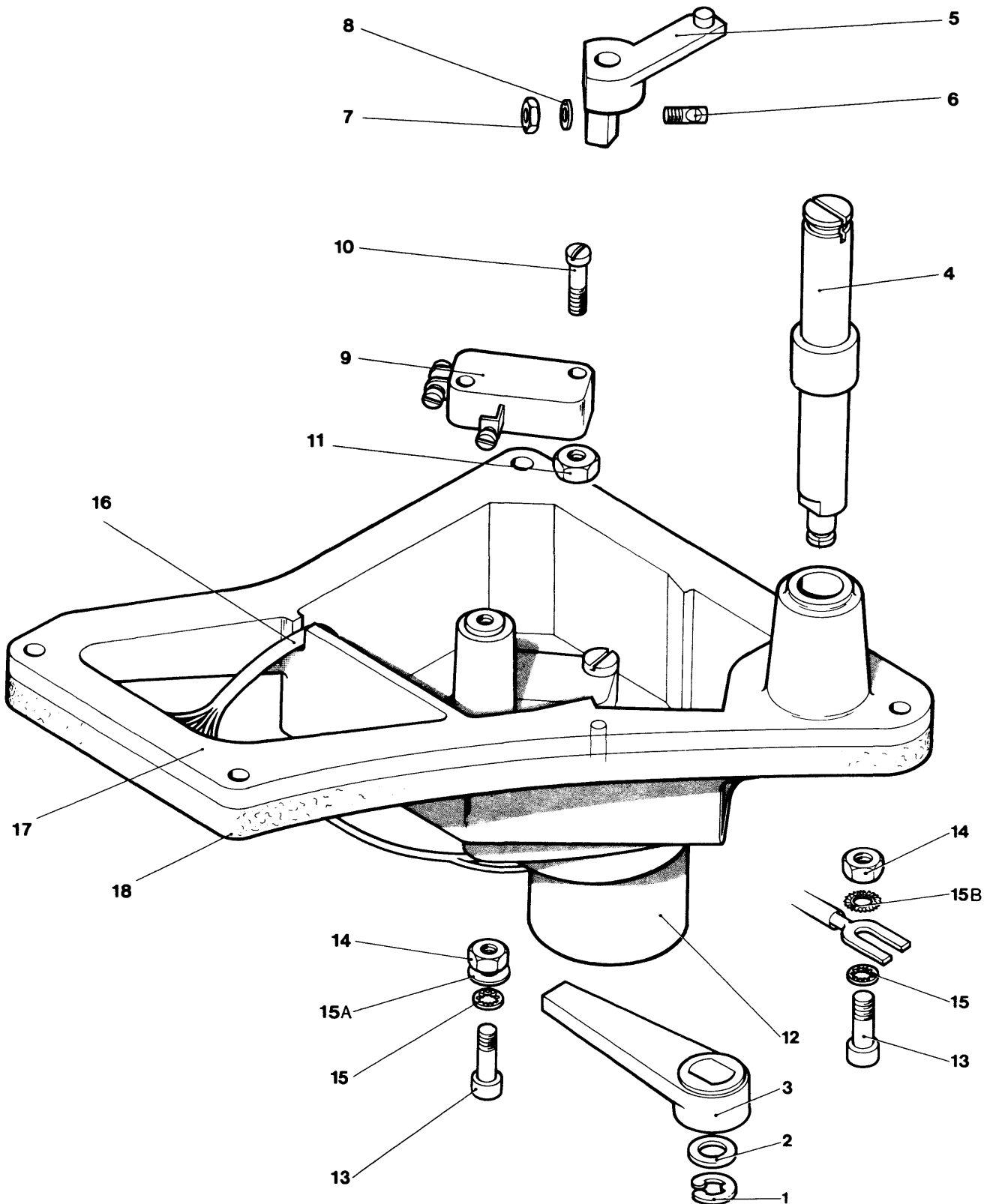


FIGURE 11. BRUSH DRIVE ASSEMBLY - 50HZ

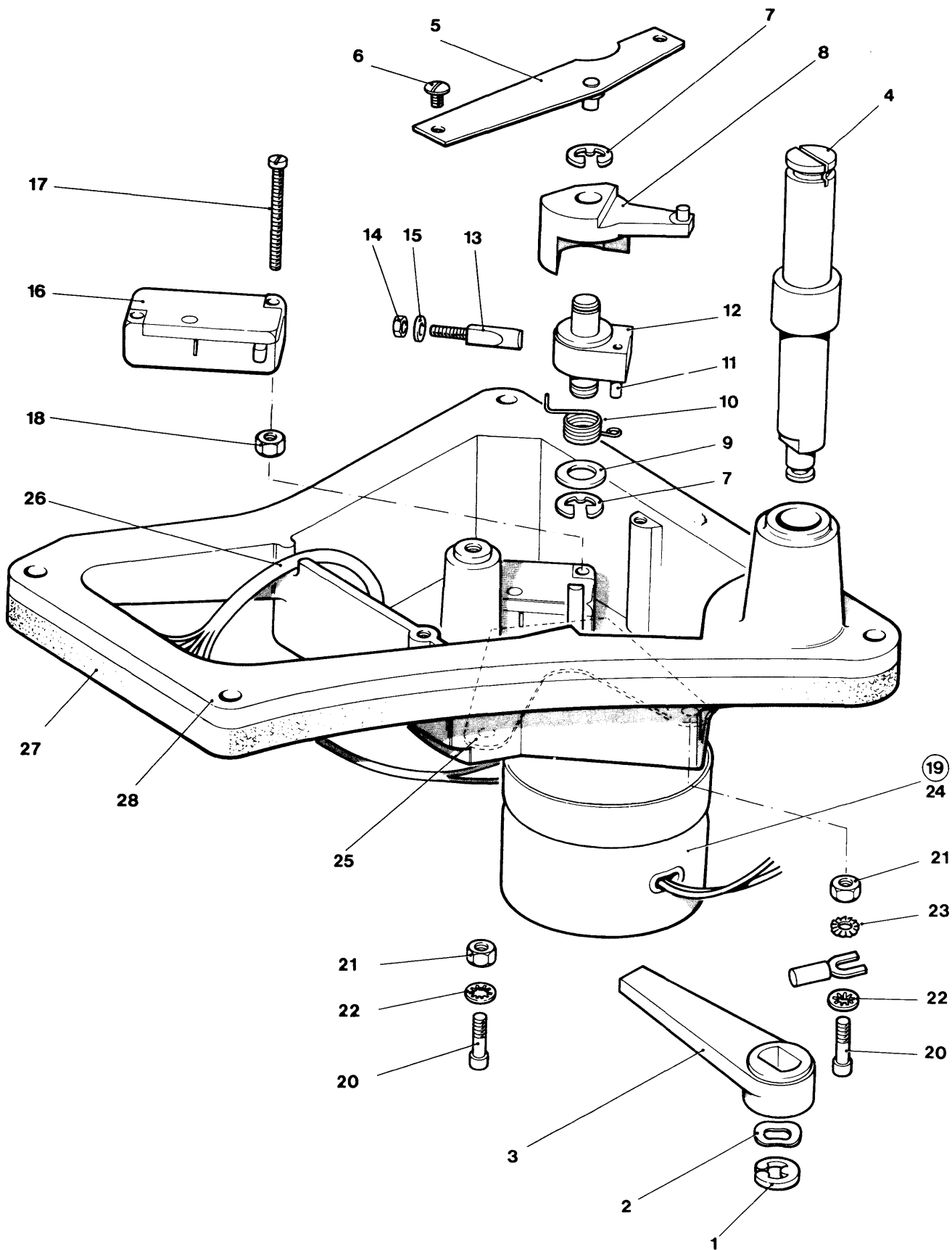


FIGURE 11A. BRUSH DRIVE ASM - 60HZ

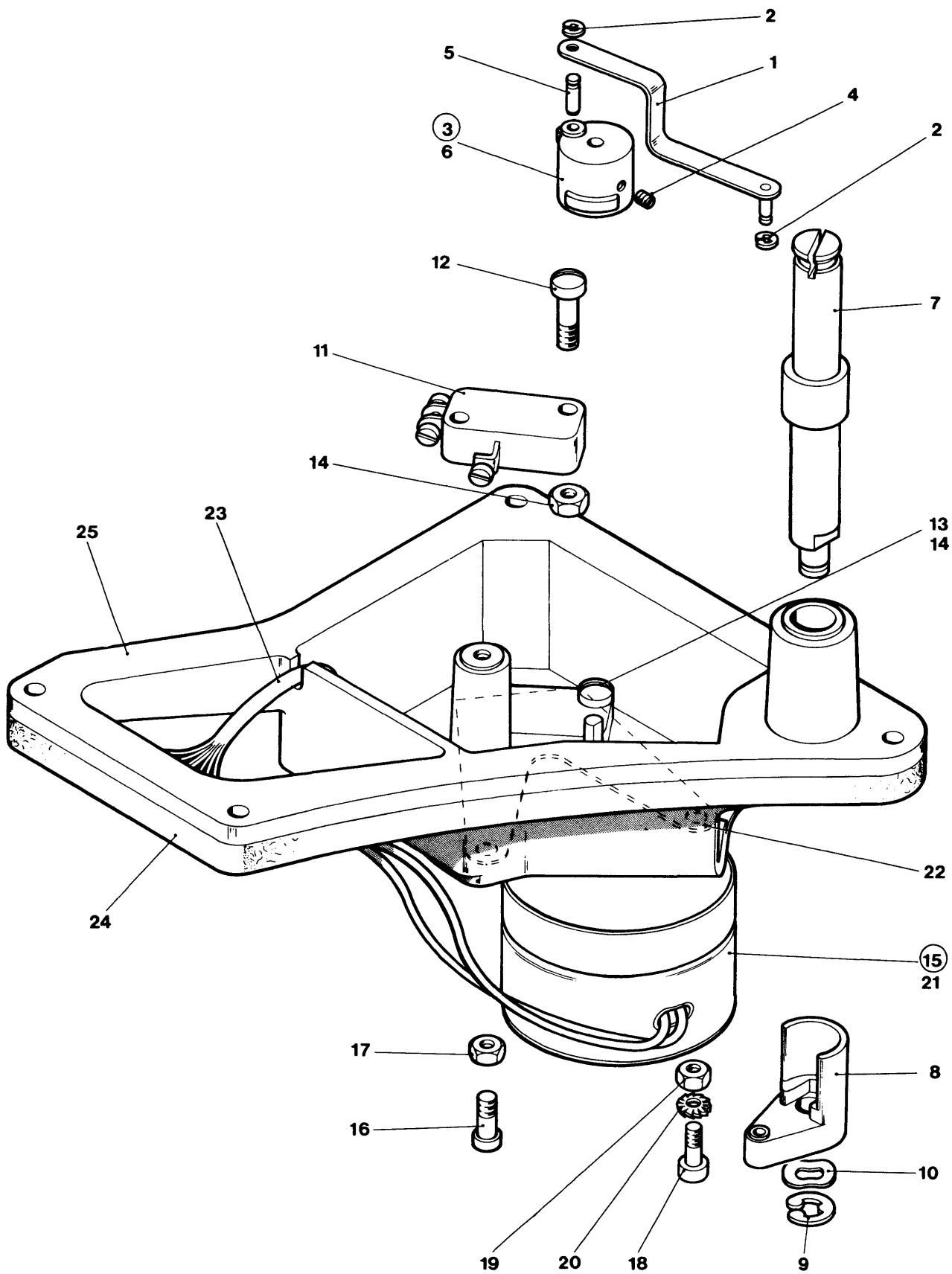


FIGURE 11B. BRUSH DRIVE ASSEMBLY - 60HZ

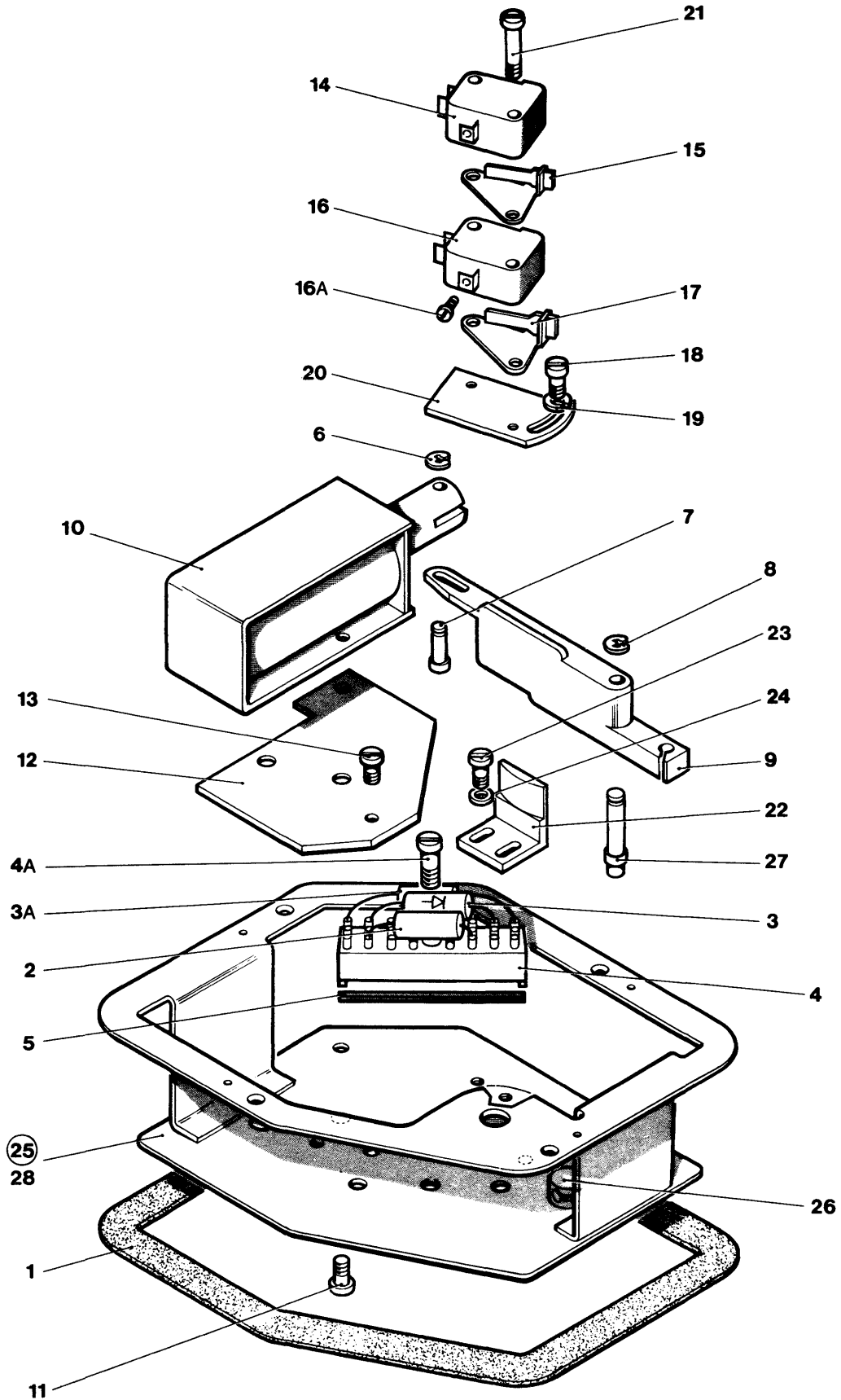


FIGURE 12. HEAD LOAD ASSEMBLY

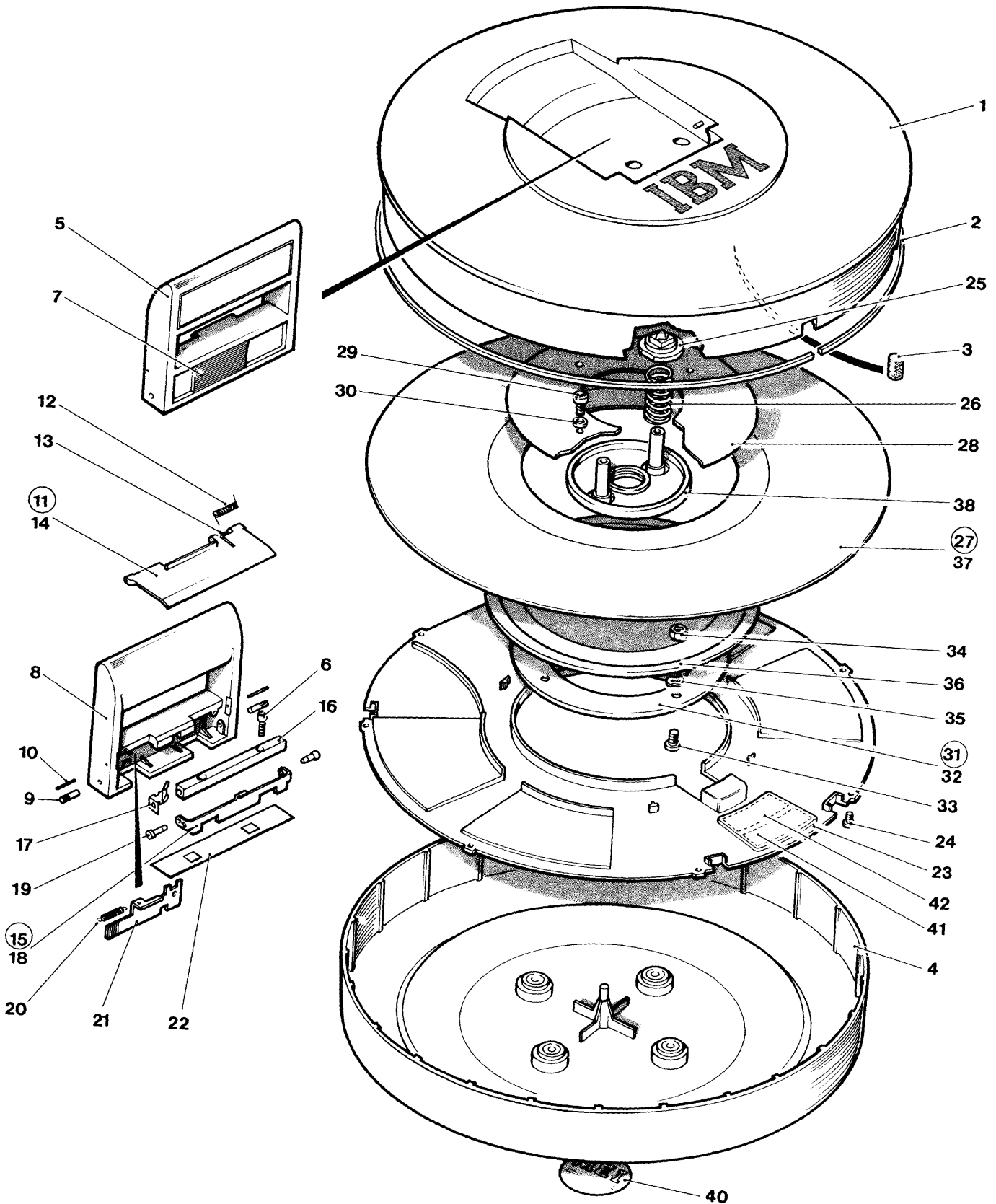


FIGURE 13. 5440 CARTRIDGE ASSEMBLY

LIST AND INDEX NUMBER	PART NUMBER	DESCRIPTION				UNITS PER ASM.	USABLE ON CODE
		1	2	3	4		
		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				1	
- 1	2598068	USED IN WORLD TRADE ONLY . COVER ASM, CE, TOP, BLACK				1	
- 1	5144445	USED IN USA ONLY . COVER ASM, CE, TOP, BLACK				1	
- 2	5831601 NR	. . SEAL				1	
- 3	2270032 NR	. . BUMPER, RUBBER				4	
- 3	5144326	USED IN USA ONLY . . BUMPER, RUBBER				4	
		USED IN WORLD TRADE ONLY					
- 4	2536559 NR	OTHER ASM COMPONENTS ARE NOT REPLACEABLE . COVER, BOTTOM				1	
- 4	2536569 NR	. COVER, CE, BOTTOM				1	
- 5	2536565 NR	ASM COMPONENTS ARE NOT REPLACEABLE . 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				1	
		ASM COMPONENTS ARE NOT REPLACEABLE					
- 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				1	
		ASM COMPONENTS ARE NOT REPLACEABLE					
- 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	

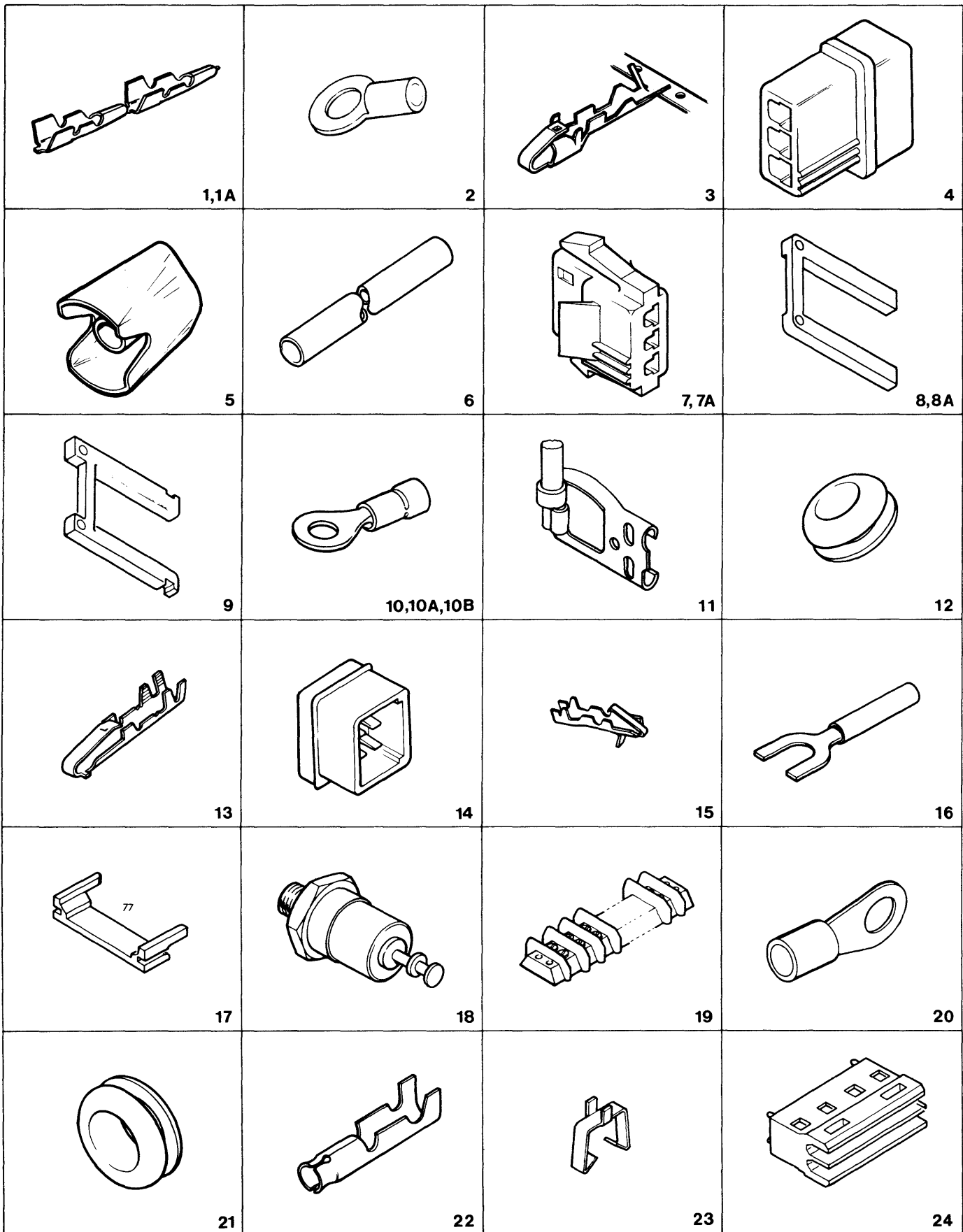


FIGURE 14. CABLE AND JUMPER ASSEMBLY COMPONENT PARTS (PART 1 OF 2)

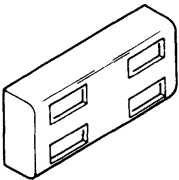
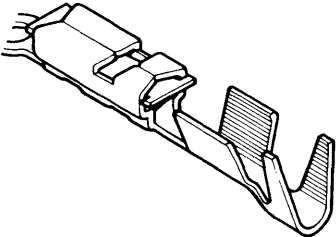
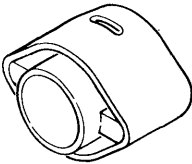
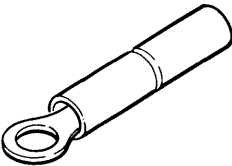
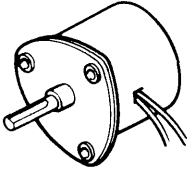
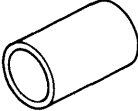
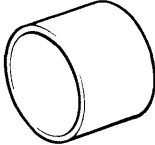
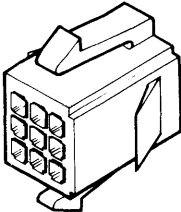
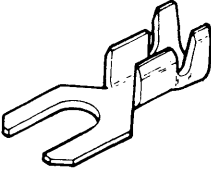
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	29	30	31	32
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E				
F				
G				

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

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