

24 Card Punch

26 Printing Card Punch

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All assemblies are identified by an alphabetical character enclosed in a circle. The component parts of the assembly are indicated by a reference no. When an assembly is listed, for example B, all parts that are listed between B and C are component parts of B.

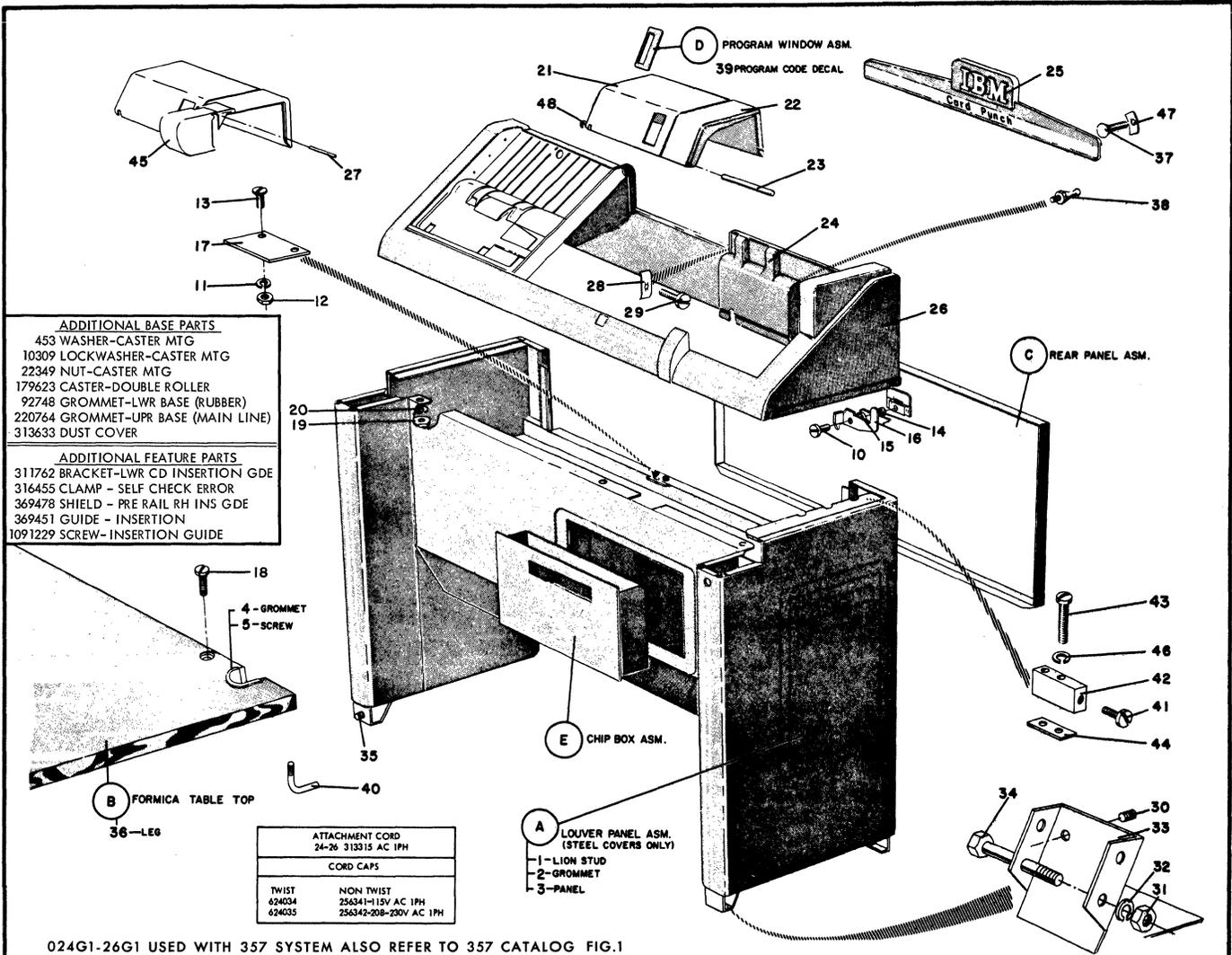
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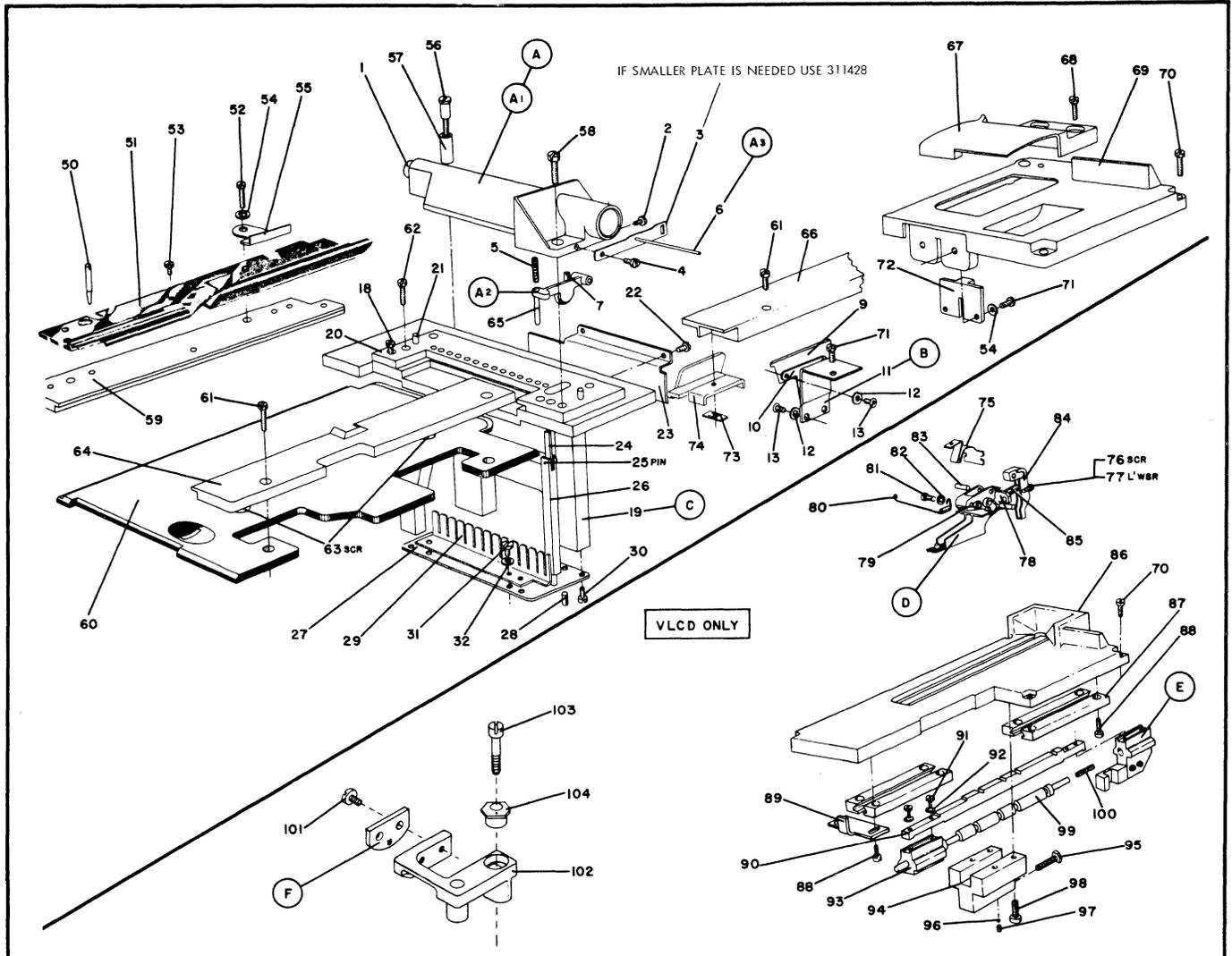
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Cover View



A	327248	PANEL ASM-LOUVER (VINYL)	15	219608	BUSHING-REAR COVER LATCH	29	2994	SCREW-DRUM COVER MTG
	228554	PANEL ASM-LOUVER (STEEL)	16	228192	LATCH-REAR COVER	30	59557	SCREW
1	228180	STUD-LION	17	314352	PLATE-LATCH	31	3960	NUT
2	228181	GROMMET	18	1152	SCREW-TABLE MTG	32	65756	LOCKWASHER
3	342140	PANEL-LOUVER (VINYL)	19	11598	NUT-TABLE MTG	33	262845	FOOT-ADJUSTABLE
	228553	PANEL-LOUVER (STEEL)	20	56079	LOCKWASHER-TABLE MTG	34	59652	SCREW
B	228171	TABLETOP-SMALL	21	228168	COVER-HINGED DRUM (STEEL)	35	103423	SCREW-LEG MTG
	228170	TABLETOP-LARGE	341284	COVER-HINGED DRUM (VINYL)	36	228169	LEG-TABLE	
4	313657	GROMMET-TABLETOP	315746	COVER-HINGED DRUM (STEEL) W/SLF CHK	37	312027	DOVETAIL-(NOT USED W/NW DSN NP)	
5	313671	SCREW-GROMMET	342134	COVER-HINGED DRUM (VINYL) W/SLF CK	38	313454	BALLSTUD-FRONT FEED COVER	
C	327149	COVER ASM-REAR (STEEL)	22	228167	COVER-MAIN DRUM (STEEL) 24	39	313214	DECAL-PROGRAM CODE
	342139	PANEL ASM-REAR (VINYL)	342133	COVER-MAIN DRUM (VINYL) 24	342591	DECAL-PROGRAM CODE (W/VLCD)		
D	313883	WINDOW ASM-(STEEL)	228173	COVER-MAIN DRUM (STEEL) 26	342635	DECAL-PROGRAM CODE (W/SELF CHK)		
	341310	WINDOW ASM-(VINYL)	341285	COVER-MAIN DRUM (VINYL) 26	40	228555	HOOK-TABLE	
E	228177	BOX ASM-CHIP (STEEL)	328122	COVER-MAIN DRUM (STEEL) 24 W/SLF CHK	41	32042	SCREW-COVER RETAINER	
	342138	BOX ASM-CHIP (VINYL)	341280	COVER-MAIN DRUM (VINYL) 24 W/SLF CK	42	308422	BLOCK-COVER	
			328292	COVER-MAIN DRUM (STEEL) 26 W/SLF CHK	43	38392	SCREW-COVER BLOCK	
			341283	COVER-MAIN DRUM (VINYL) 26 W/SLF CK	44	312342	PLATE-COVER BLOCK	
			23	228557	PIN-DRUM COVER HINGE	45	228174	COVER-PRINTER HINGE (STEEL)
			24	228172	COVER-FRONT FEED (STEEL)	342137	COVER-PRINTER HINGE (VINYL)	
			342135	COVER-FRONT FEED (VINYL)	46	9092	LOCKWASHER-COVER BLOCK	
			341380	COVER-FRONT FEED (W/VLCD)	47	79086	NUT-NAMPLATE (NOT USED W/NW DSN)	
			25	302624	NAME PLATE-24	48	257982	CLIP-RET HINGE PIN
				369015	NAME PLATE-26			
				369014	NAME PLATE-24 (NEW DESIGN)			
				369013	NAME PLATE (20)			
			26	228166	COVER-MAIN TOP (STEEL)			
				342132	COVER-MAIN TOP (VINYL)			
				341377	COVER-MAIN TOP (W/VLCD)			
			27	228556	PIN-COVER HINGE			
			28	228208	NUT-DRUM COVER SPEED			
PARTS NOT INCLUDED WITH SUB ASSEMBLIES								
10	232	SCREW-FLUSH LATCH						
11	6318	LOCKWASHER-LATCH PLATE						
12	23931	NUT-LATCH PLATE						
13	186759	SCREW-LATCH PLATE						
14	211561	SPRING-FLUSH LATCH						

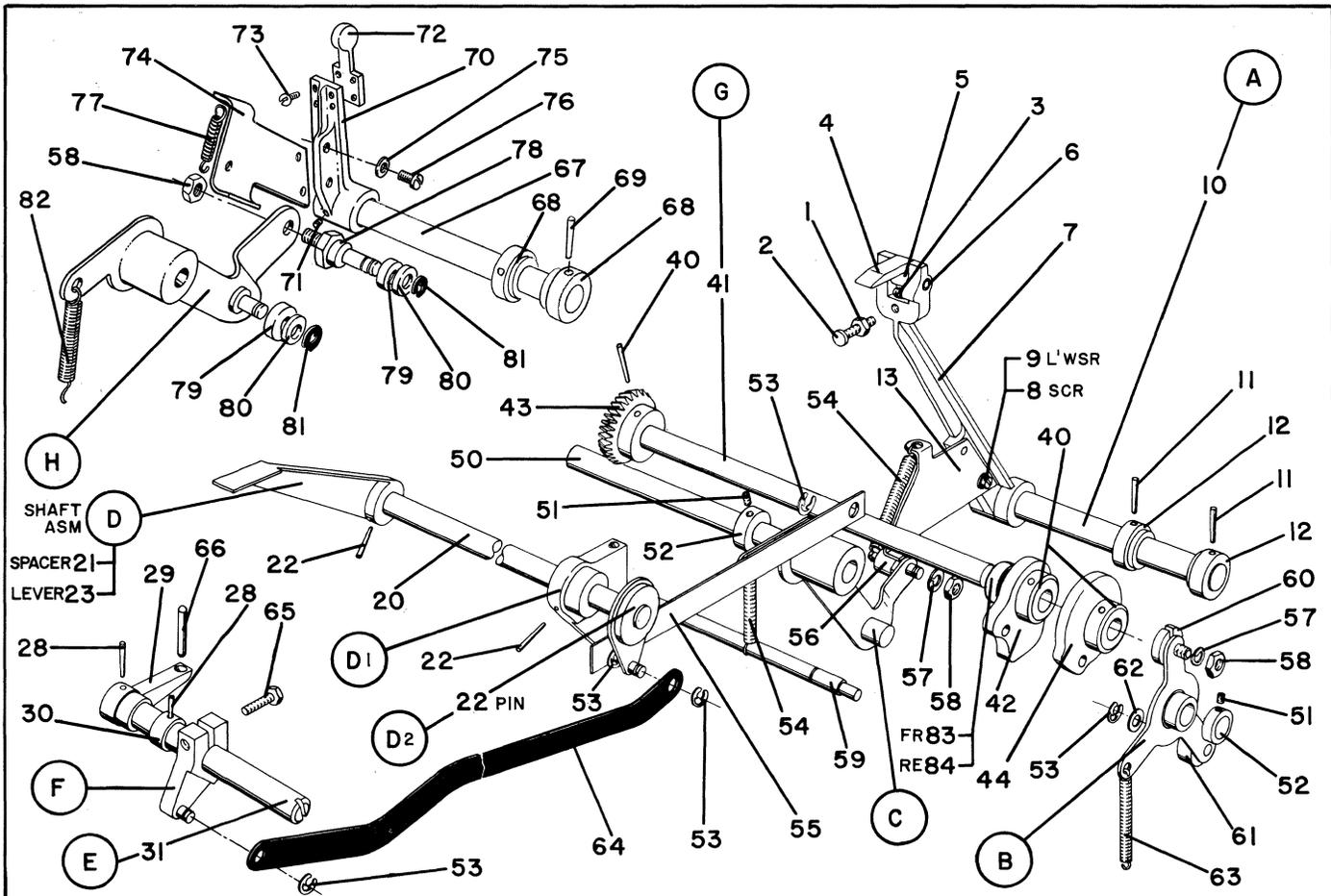


A	369259	TUBE ASM-CHIP (24)
	311409	TUBE ASM-CHIP (26)
1	228280	BUSHING
2	10476	SCREW-K NIFE ADJUST
3	312321	PLATE-PRESSURE ADJUST
4	38271	SCREW
5	313986	SPRING-COMPRESSION
A1	369258	TUBE ASM-CHIP (24)
	369258	TUBE ASM-CHIP (26)
A2	369257	LEVER ASM-RIGHT
A3	369255	SHAFT ASM-PIN
6	369253	SHAFT-PRESSURE ROLL
7	369254	PIN-PRESSURE ROLL
B	314110	RAIL ASM-PRESSURE (R.H.)
	314111	RAIL ASM-PRESSURE (L.H.)
	340997	RAIL ASM-PRESSURE (L.H.) W/VLCD
	340897	RAIL ASM-PRESS(R.H.)W/VLCD & SLF CK
9	228606	RAIL-PRESSURE R.H.
	228604	RAIL-PRESSURE L.H.
	261544	RAIL-PRESSURE (R.H.) W/VLCD & SLF CK
	340851	RAIL-PRESSURE (L.H.) W/VLCD
10	228605	SPRING-PRESSURE RAIL
11	228607	BRACKET-PRESSURE RAIL MTG R.H.
	314224	BRACKET-PRESSURE RAIL MTG L.H.
	340861	BRACKET-RAIL MTG (L.H.) W/VLCD
12	37066	LOCKWASHER-PRESSURE RAIL
13	123543	SCREW-PRESSURE RAIL
C	228013	DIE ASM-PUNCH GUIDE AND (24)
	2629	SCREW
18	314446	GUIDE-PUNCH
19	228014	DIE
20	228016	PIN-DIE & PUNCH GUIDE DOWEL
21	38271	SCREW-RESTRAINING PLATE
22	313331	PLATE-RET PUNCH SUPPORT PIN
23	228019	PUNCH
24	261177	PUNCH-1ST OVERSIZE
	261178	PUNCH-2ND OVERSIZE

25	228020	PIN-PUNCH SUPPORT
26	228018	SUPPORT-PUNCH
27	228303	GUIDE-PRINT PUNCH
28	104696	PIN-PUNCH SUPPORT GUIDE DOWEL
29	228270	COMB-PUNCH DRIVE ARM GUIDE
30	845	SCREW-PUNCH SUPPORT GUIDE
31	45639	WASHER-GUIDE COMB
32	196298	SCREW-GUIDE COMB
D	341074	PUSHER ASM-SPRING AND (W/VLCD)
E	341079	SLIDE ASM-DETAIL STATION REG
F	328772	PLATE ASM-ROLLER & (W/VLCD)
PARTS NOT INCLUDED WITH ASSEMBLIES		
50	127735	PIN-L.H. REG RAIL TAPER
51	345644	THROAT-PLASTIC GD
52	206109	SCREW-CD REG RAIL L.H.
53	196299	SCREW-PLASTIC THROAT GUIDE
54	22478	WASHER
55	309616	BRACKET-FR MAIN TOP COVER
56	310111	SCREW-CHIP TUBE MTG
57	310107	BUSHING-DIE GUIDE MTG
58	38392	SCREW
59	328860	RAIL-CD REG L.H.
60	328858	PLATE-LEFT
	369350	PLATE-BED (LEFT) W/VLCD
61	1500	SCREW-L.H. PR RAIL SHD
62	38392	SCREW-DIE MTG
63	314226	SCREW-PLASTIC CD BD R.H.
64	228600	SHIELD-PRESSURE RAIL L.H.
	340826	SHIELD-PRESSURE RAIL (L.H.) W/VLCD
65	227940	PIN-EJECT
66	228601	SHIELD-PRESSURE RAIL R.H.
67	340373	SHIELD-PRESSURE RAIL (R.H.) W/VLCD

68	673	SCREW
69	313978	PLATE-BED RT
70	845	SCREW
71	120044	SCREW
72	313974	STOP-CARD PUSHER
73	308292	NUT-CARD GUIDE SPEED R.H.
74	228599	GUIDE-CARD RT
75	341125	SPRING-REG GRIPPER
76	2650	SCREW-BLOCK MTG
77	109111	LOCKWASHER-BLOCK MTG
78	341068	BLOCK-REG PUSHER
79	8506	NUT-GUIDE MTG
80	341071	GUIDE-REGISTRATION PUSHER
81	578	SCREW-GUIDE MTG
82	1000389	WASHER-GUIDE MTG
83	23550	PIN-LEVER
84	341249	LEVER-REGISTRATION
85	257956	SCREW-LEVER MTG SET
86	341072	PLATE-DETAIL STA BED
87	101808	GUIDE REGISTRATION PUSHER BAR
88	2031	SCREW-GUIDE & STOP MTG
89	340786	STOP-PUSHER GRIPPER PLUNGER
90	340808	BAR-REGISTRATION PUSHER
91	236550	SCREW-PUSHER BAR MTG
92	150209	LOCKWASHER-PUSHER BAR MTG
93	340807	SLIDE-REGISTRATION PUSHER (FR)
94	340831	BLOCK-REGISTRATION PUSHER
95	340829	SCREW-REGISTRATION STOP
96	1079777	SLUG-REGISTRATION STOP SCREW
97	135341	SCREW-REGISTRATION STOP SCR SET
98	2032	SCREW-REG PUSHER BLOCK MTG
99	340787	PLUNGER-OPERATING
100	203869	SPRING-REGISTRATION PLUNGER
101	341216	SCREW-ROLLER PLATE ASM MTG
102	328765	BRACKET-PRESSURE ROLL
103	328763	SCREW-BRACKET & ECCENTRIC MTG
104	328762	ECCENTRIC-PRESSURE ROLL BRACKET

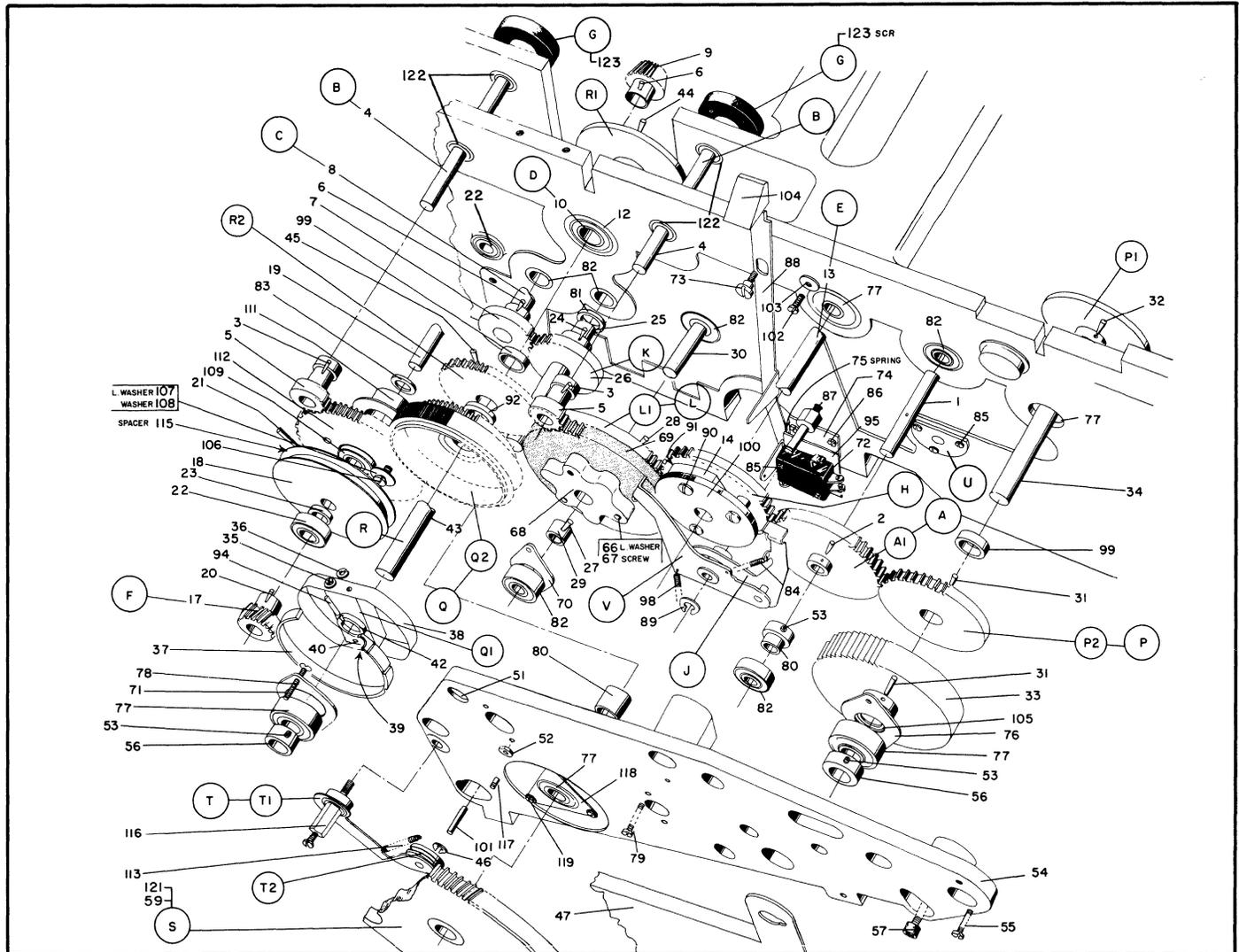
Card Pusher Unit



A	313980	SHAFT ASM-PUSHER ARM
1	6503	NUT-CARD PUSHER
2	341264	SCREW-PUSH ARM ADJUST
3	130118	SPRING-CARD PUSHER FINGER
4	340739	FINGER-GRIPPER
5	1073418	CLIP-GRIPPER FINGER SHAFT
6	313975	SHAFT-GRIPPER FINGER
7	313973	ARM-PUSHER
8	3500	SCREW-FOLLOWER ARM
9	105047	LOCKWASHER-PUSHER ARM SHAFT
10	227703	SHAFT-PUSHER ARM
11	8427	PIN-CARD PUSHER SHAFT TAPER
12	227690	HUB-PUSHER ARM
13	313971	ARM-FOLLOWER CD PUSH
B	227693	LEVER ASM-CARD STOP
C	227686	ARM ASM-PUSH CAM
D	227942	SHAFT ASM-PRESSURE ROLL RELEASE
20	227725	SHAFT-CARD RELEASE
21	309872	SPACER-PRESSURE ROLL RELEASE SHAFT
22	28564	PIN-PUNCH SHAFT ASM TAPER
23	227946	LEVER-MANUAL CARD RELEASE
D1	309873	LEVER ASM-RET PRESSURE RL RELEASE
D2	227936	ARM ASM-PRESSURE RL RELEASE

E	309874	SHAFT ASM-PRESS ROLL RELEASE ARM
28	23096	PIN-TAPER
29	309867	ARM-PRESSURE ROLL RELEASE
30	150190	SPACER-PRESSURE ROLL RELEASE ARM
31	309868	SHAFT-PRESSURE ROLL RELEASE
F	309870	ARM ASM-PRESSURE ROLL RELEASE
G	227699	SHAFT ASM-CARD PUSH CAM
	345235	SHAFT ASM-PUSHER CAM (W/VLCD)
40	139472	PIN-PUSH CAM
41	227705	SHAFT-PUSHER CAM
42	227697	CAM-CARD PUSHER
	345034	CAM-CARD PUSHER (W/VLCD)
43	227700	GEAR-PUSHER CAM SHAFT DRIVE
44	309618	CAM-CARD STOP
	345236	CAM-CARD STOP (W/VLCD)
H	340865	ARM ASM-PUSHER CAM
PARTS NOT INCLUDED WITH ASSEMBLIES		
50	227703	SHAFT-CARD STOP LEVER
51	22797	SCREW-CAM SHAFT COLLAR SET
52	79430	COLLAR-STOP LEVER SHAFT
53	25282	CLIP
54	130534	SPRING-CARD POSITION
55	227717	LINK-FEED ROLL OPEN
56	312594	STUD-ECC CARD PUSH ARM

57	6318	LOCKWASHER
58	2899	NUT-PUSH ARM ECC
59	227702	ROD-SPRING ANCHOR
60	227691	STUD-CARD RELEASE ECC
61	159229	ROLLER-CD STOP ARM
62	58554	WASHER-CD ST CAM ROLL
63	24857	SPRING-CD PUSHER CAM ARM
64	227941	LINK-EJECT OPERATE
65	12954	SCREW-CARD RELEASE LIFT
66	227940	PIN-EJECT
67	227703	SHAFT-PUSHER ARM
68	227690	COLLAR-PUSHER ARM SHAFT
69	8427	PIN-COLLAR TAPER
70	340792	ARM-PUSHER
71	75533	SCREW-PUSHER ARM SET
72	340783	PAD-REGISTRATION PUSHER ARM
73	53042	SCREW-PUSHER ARM PAD MTG
74	340806	BRACKET-PUSHER ARM
75	105047	WASHER-PUSHER ARM BRACKET MTG
76	3500	SCREW-PUSHER ARM BRACKET MTG
77	141285	SPRING-CAM PUSHER ARM
78	340986	ECCENTRIC-PUSHER CAM ARM
79	340886	ROLLER-PUSHER ARM CAM
80	8446	WASHER-CAM ROLLER RETAINING
81	1095160	CLIP-CAM ROLLER RETAINING
82	6271	SPRING-PUSHER CAM ARM
83	205115	BEARING-FRONT
84	228114	BEARING-REAR



- A 228054 GEAR & SHAFT ASM. 56 T
- 1 228031 SHAFT - 56 T GEAR
- 2 8427 PIN - TAPER
- A1 309647 GEAR ASM. - SPUR 56 T
- B 228069 SHAFT ASM - EJECT ROLL
- 3 139686 PIN - EJECT PINION TAPER
- 4 228067 SHAFT - EJECT PINION
- 5 228068 PINION - EJECT
- C 228155 SHAFT ASM - TRANSVERSE DRIVE
- 6 29980 PIN - TAPER
- 7 228059 GEAR - SPUR
- 8 228156 SHAFT - TRANSVERSE DRIVE
- 9 228451 PINION - BEVEL
- D 228309 BEARING ASM
- 10 156364 BEARING - FRICTION DRIVE SHAFT
- 12 228577 ADAPTER - FRICTION DRIVE BEARING
- E 309598 SHAFT ASM - PROGRAM DRUM
- 13 227903 SHAFT - PROGRAM DRUM
- 14 228066 ARM - DRUM ADJ.
- F 310374 SHAFT ASM 16T GEAR
- 17 310370 GEAR - HELICAL 16T
- 18 310371 PULLEY - GEAR DRIVE
- 19 310368 SHAFT - GEAR
- 20 139686 PIN - TAPER
- 21 23096 PIN - TAPER
- 22 110129 BEARING
- 23 310307 SPACER
- G 228041 ROLL ASM - EJECT
- H 309652 GEAR ASM - DRUM DRIVE
- J 228081 PAWL ASM - BACK SPACE
- K 310375 SHAFT ASM - 28 T GEAR
- 24 8427 PIN - TAPER
- 25 310369 SHAFT
- 26 310361 GEAR - 28 T
- L 228050 GEAR & SHAFT ASM - 65 T
- 27 154 PIN - COLLAR TAPER
- 28 8427 PIN - GEAR HUB TAPER
- 29 228036 COLLAR - RETAINING

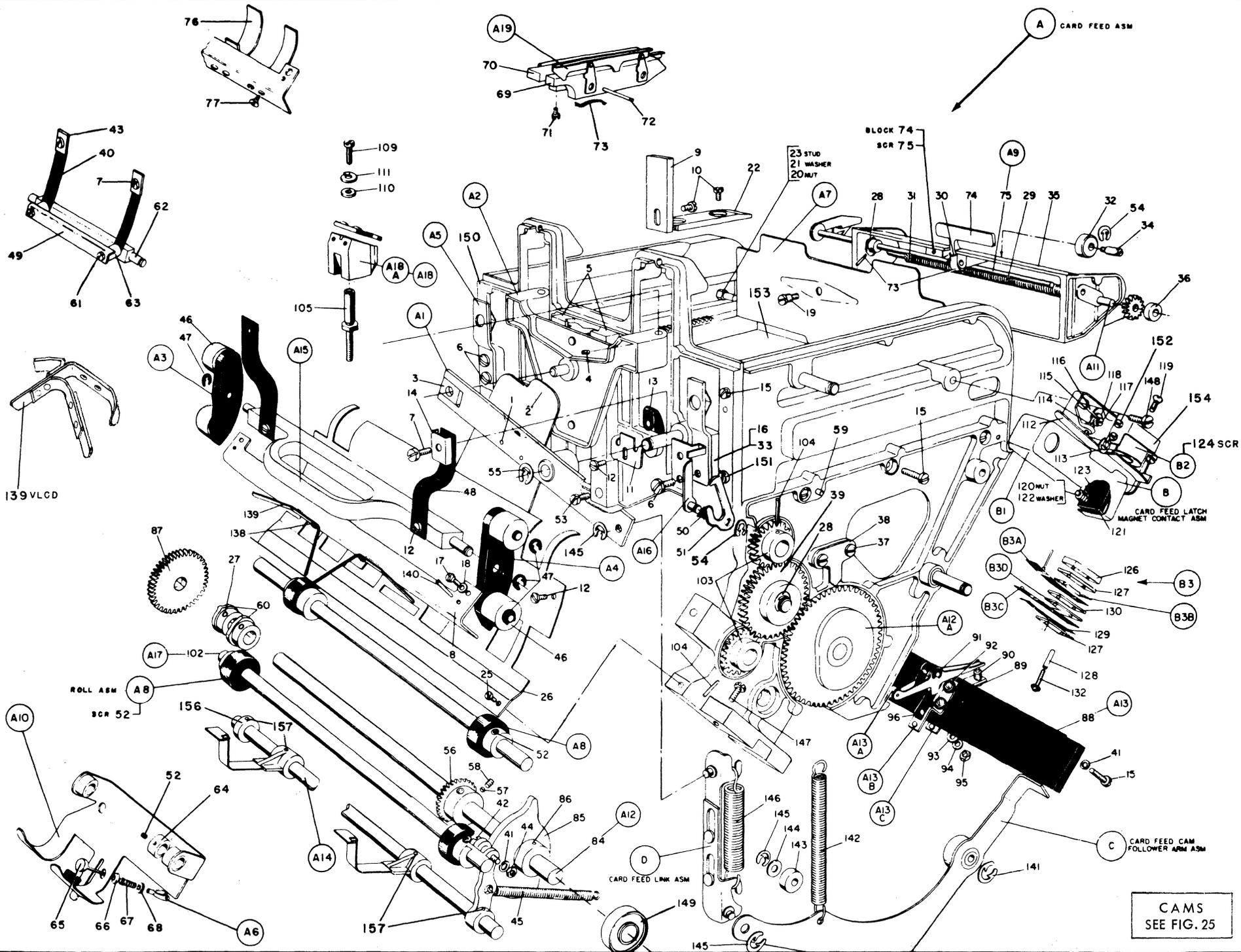
- 30 228038 SHAFT - 65 T SPUR GEAR
- LI 309649 GEAR ASM - 65 T SPUR
- P 301156 SHAFT ASM - ESCAPEMENT
- 31 19167 PIN - TAPER
- 32 151231 PIN - TAPER
- 33 301155 RATCHET - SPACING
- 34 228044 SHAFT - ESCAPEMENT
- P1 310347 WHEEL ASM. - CARD FEED
- P2 342702 GEAR ASM. - FRICTION DRIVE 43 T
- Q 310391 CLUTCH ASM - FRICTION
- 35 3500 SCREW
- 36 105047 WASHER
- 37 310394 RING - FRICTION
- 38 310401 SPRING
- 39 310799 SCREW
- Q1 310397 HUB ASM.
- 40 310398 PLUG - NYLON
- 42 340712 HUB - CLUTCH
- Q2 310400 HOUSING ASM.
- R 342703 SHAFT ASM - FRICTION DRIVE
- 43 228044 SHAFT - FEED WHEEL
- 44 151231 PIN - TAPER
- 45 19167 PIN - TAPER
- R1 310347 WHEEL ASM - CARD FEED
- R2 342702 GEAR ASM - 43 T FRICTION
- S 310366 GEAR ASM - 145T HELICAL
- T 310189 ARM & IDLER ASM BELT TENSION
- 46 192049 SPRING CLIP
- T1 310178 ARM ASM - IDLER
- T2 341863 IDLER ASM - BELT TENSION
- U 227769 PLUG ASM
- V 228084 ARM ASM - CAM ENGAGE

PARTS NOT INCLUDED WITH SUB ASSEMBLIES

- 47 310241 GUARD - V BELT
- 51 369421 BEARING - CARD RELEASE SHAFT
- 52 23815 NUT - BEARING RETAINER
- 53 165556 SCREW - 65T GEAR COL. SET
- 54 340034 BRACKET - ESCAPE BEARING
- 55 308416 SCREW - ESCAPE SHAFT BEARING
- 56 228061 COLLAR - FRICTION DRIVE SHAFT
- 57 196299 SCREW - ESCAPE GEAR BRACKET
- 58 34512 SCREW
- 59 180383 KEY - 145T HELICAL
- 66 105047 LOCKWASHER - CAM
- 67 52607 SCREW - REVERSING CAM

- 68 228103 CAM - REVERSING
- 69 228034 GEAR - 65 T SPUR
- 70 228039 RETAINER - REVERSE SHAFT BEARING
- 71 310333 RETAINER - BEARING
- 72 228093 SWITCH BACK SPACE
- 73 228090 SCREW - LEVER MTG.
- 74 228080 BRACKET - SWITCH
- 75 141176 SPRING - BACK SPACE ACTUATING ARM
- 76 228055 RETAINER ESCAPE SHAFT BEARING
- 77 156364 BEARING
- 78 127 SCREW - FRICTION SHAFT BEARING
- 79 673 SCREW - REVERSE SHAFT BEARING
- 80 228040 COLLAR - GEAR RETAINING
- 81 341003 SPACER - 28 T GEAR
- 82 110129 BEARING - GEAR SHAFT
- 83 310781 SPACER - 54 T GEAR
- 84 44946 SPRING - BACKSPACE PAWL ASM
- 85 679 SCREW - SWITCH & PLUG MTG
- 86 3500 SCREW BRACKET MTG
- 87 228088 PIVOT - BACK SPACE ARM
- 88 341050 LEVER - BACKSPACE ACTUATING
- 89 60489 CLIP - REVERSE CAM ARM
- 90 42003 SCREW - RATCHET MTG.
- 91 309973 SCREW - DRUM ADJ.
- 92 183895 SPACER - GEAR
- 94 310469 PIN - SPIROL
- 95 312019 INSULATOR - BACK SPACE SWITCH
- 98 26513 SPRING - BACKSPACE CAM ARM
- 99 228060 SPACER
- 100 228092 RATCHET - BACK SPACE
- 101 104699 DOWEL - ESCAPE BEARING BRACKET
- 102 120044 SCREW - BEARING RETAIN
- 103 20038 WASHER
- 104 228091 BUTTON - BACK SPACE
- 105 301157 SPACER - ESCAPE SHAFT ASM.
- 106 24759 SCREW - 54T GEAR HUB
- 107 105047 LOCKWASHER
- 108 79269 WASHER
- 109 110129 BEARING
- 111 310362 HUB - 54T GEAR
- 112 310254 GEAR - 54T
- 113 196143 SPRING
- 115 310773 SPACER
- 116 310252 STUD - IDLER ARM PIVOT (IMPROVED)
- 117 306314 STUD - IDLER ARM SPRING
- 118 227779 RETAINER
- 119 196299 SCREW
- N5 310239 COVER-ESC GEAR
- 121 1100523 SCRE W-145T HELICAL SET
- 122 228565 BEARING
- 123 165556 SCREW-SET

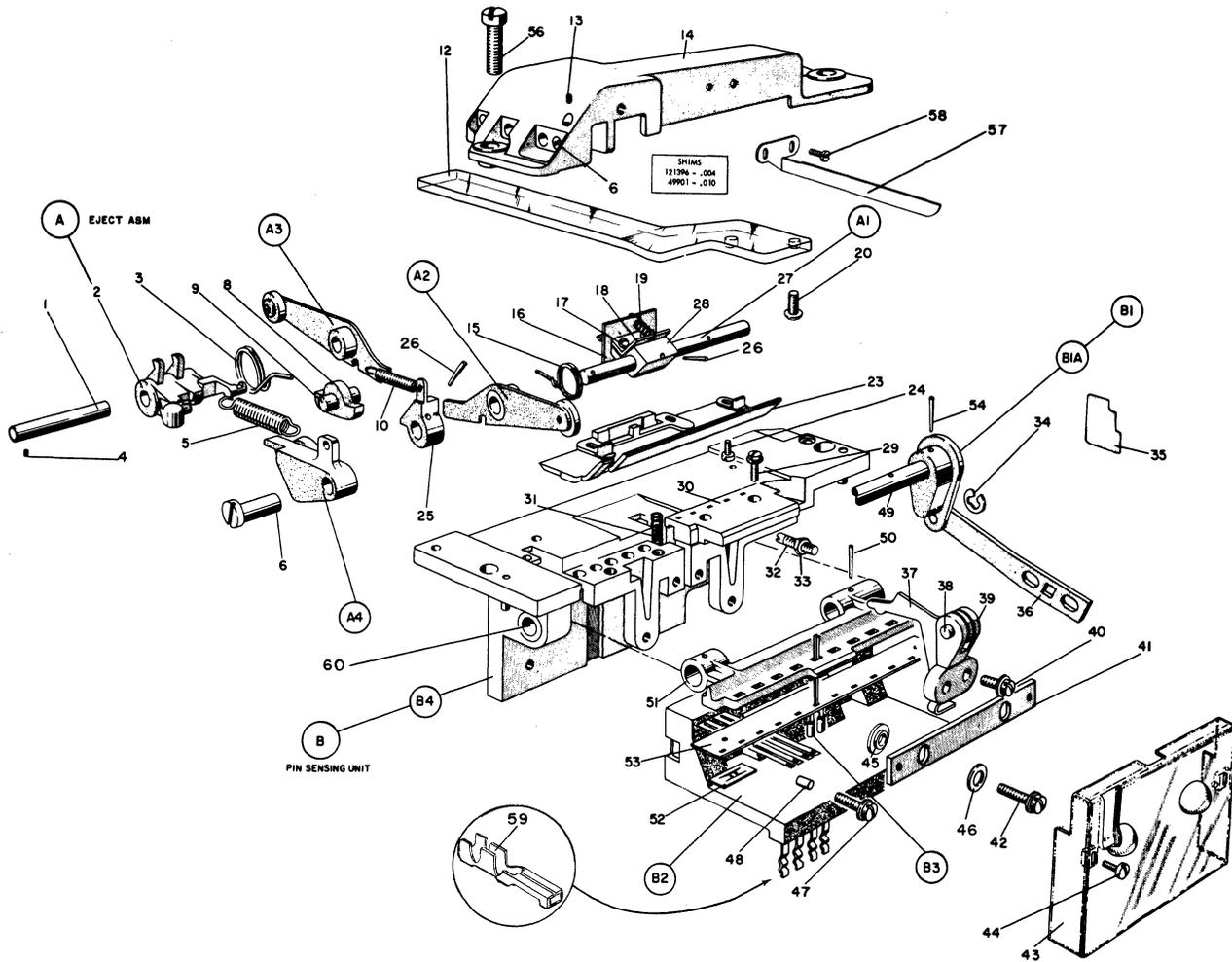
A	341250	FEED ASM - CARD (VLCD)	59	104697	DOWEL	A 18	340576	HOLDER ASM-CARD FEED KNIFE
A	310296	FEED ASM - CARD (026)	60	309631	CAM-CB 3 & 4	105	133580	STUD-ADJUSTING
A	310934	FEED ASM - CARD (024)		364161	CAM-CB 2	109	7040	SCREW-FEED KNIFE
1	186636	SCREW - OPERATING ARM PLATE		313807	CAM-CB 8	110	163899	LOCKWASHER-CARD KNIFE HOLDER
2	301288	PLATE-C.F. OPERATING ARM	61	38361	SCREW-TIE BAR STRAP MTG (W/VLCD)	111	133594	WASHER-CARD KNIFE HOLDER
	340878	PLATE-C.F. OPERATING ARM (W/VLCD)	62	340797	BAR-PRESSURE ROLL TIE (W/VLCD)	A 18A	340559	KNIFE ASM-CARD FEED
3	227659	BLOCK-PIVOT	63	327134	SPACER-TIE BAR STRAP (W/VLCD)	A 19	340990	GUIDE ASM-HOPPER CARD (W/VLCD)
4	19958	SCREW-SET CARD FEED KNIFE	64	313694	COLLAR-FINGER ASM (W/VLCD)	B	309982	MAGNET & CONTACT ASM-C.F. LATCH
5	227633	GUIDE-KNIFE CARRIER SLIDE	65	327123	PIN-FINGERS (W/VLCD)	112	227627	ARMATURE-CARD FEED LATCH
6	186758	SCREW-COVER RET SPRING	66	22066	WASHER-SPRING RETAINING (W/VLCD)	113	60489	CLIP-SPRING
7	38381	SCREW-FEED ROLL PRESSURE SPRING	67	327126	SPRING-FINGERS PIN	114	7341	NUT
8	227660	BAR-CARD ALIGNING	68	327124	NUT-FINGERS PIN SPRING LOCK (W/VLCD)	115	52607	SCREW
	340812	BAR-CARD ALIGNING (W/VLCD)	69	340736	SEPARATOR-RIGHT (W/VLCD)	116	228152	YOKE-LATCH MAG.
9	309852	BLOCK-THROAT	70	340735	SEPARATOR-LEFT (W/VLCD)	117	24752	SCREW-COIL BRACKET
10	29579	SCREW-THROAT KNIFE & BLOCK	71	38354	SCREW-SEPARATOR MTG (W/VLCD)	118	102691	WASHER-MAG YOKE
11	309572	STOP-KNIFE CARRIER ASM	72	341214	SHAFT-CARD GUIDE (W/VLCD)	119	163	SCREW
	340879	STOP-KNIFE CARRIER ASM (W/VLCD)	73	340892	SPRING (W/VLCD)	120	478	NUT
12	196698	SCREW	74	340846	BLOCK-HOPPER PUSHER PLATE (W/VLCD)	121	3500	SCREW
13	227636	SPRING-CARD FEED MAG	75	38443	SCREW-BLOCK MTG (W/VLCD)	122	17514	WASHER
14	227625	PLATE-FEED ROLL SPRING PRESSURE	76	340837	GUIDE-ALIGNING RAIL CARD (W/VLCD)	123	9667	BLOCK-MAG TERMINAL
15	2031	SCREW	77	38432	SCREW-CARD GUIDE MTG (W/VLCD)	B 1	227604	SUPPORT ASM-CARD FEED LATCH
16	340802	SPACER-LATCH ASM R.H. (W/VLCD)	A 1	301286	ARM ASM-CARD FEED OPERATING	B 2	228094	COIL ASM
17	12954	SCREW - CARD ALIGNER BAR		340785	ARM ASM-CARD FEED OPERATING (W/VLCD)	124	147066	SCREW-TERMINAL
18	24511	WASHER-CARD ALIGNER BAR	A 2	227656	CARRIER ASM-CARD KNIFE	B 3	309980	CONTACT ASM-CARD FEED
19	227945	SCREW - PUSHER PLATE		340980	CARRIER ASM-CARD KNIFE (W/VLCD)	126	11900	INSULATION
20	221	NUT-CARD FEED LATCH STUD	A 3	309794	SUPPORT ASM-PRESSURE ROLL LEFT	127	11899	INSULATION
21	9092	LOCKWASHER-CARD FEED LATCH STUD	A 4	309795	SUPPORT ASM-PRESSURE ROLL RIGHT	128	100464	INSULATION-SCREW
22	309851	KNIFE-THROAT	A 5	313456	LATCH ASM-CARD FEED COVER	129	113111	STIFFENER-SPRING
	328780	KNIFE-THROAT (W/VLCD)	A 6	327125	LINK ASM-(W/VLCD)	130	11898	INSULATION
23	312089	STUD-CARD FEED LATCH	A 7	308168	PLATE ASM-CARD FEED PUSHER	132	173215	SCREW-WASHER HEAD
25	23814	SCREW-CARD GUIDE		340975	PLATE ASM-CARD FEED PUSHER (W/VLCD)	B 3A	310386	SPRING ASM-CONTACT
26	227621	GUIDE-CARD	A 8	227669	ROLL ASM-RUBBER	B 3B	228561	JUMPER ASM
	340811	GUIDE-CARD (W/VLCD)	A 9	312083	ARM ASM-LATCH PAWL ACTUATING	B 3C	125877	SPRING ASM-CONTACT
27	75533	SCREW-C.B. CAM SET	A 10	342538	FINGERS ASM-CARD LIFTER (W/VLCD)	B 3D	1882	TERMINAL ASM-CONTACT
28	139766	CLIP-SPRING	A 11	227681	SHAFT ASM-C.F. PUSHER	C	227646	ARM ASM-CARD FEED CAM FOLLOWER
29	126853	SPRING-C.F. PUSHER	A 12	228108	SHAFT ASM-CARD FEED CAM	D	301152	LINK ASM-CARD FEED
30	312077	SPRING-TORSION		345234	SHAFT ASM-CARD FEED CAM (W/VLCD)			PARTS NOT INCLUDED WITH ASSEMBLIES
31	2650	SCREW-C.F. PUSHER SPRING ANCHOR	84	227611	SHAFT-CARD FEED CAM			
32	313670	ROLLER-CARD PUSHER ROLLER	85	227652	CAM-CARD ALIGNER			
33	340803	SPACER-LATCH ASM L.H. (W/VLCD)	86	22867	PIN-TAPER			
34	340501	STUD-C.F. PUSHER ROLLER	87	227634	GEAR-SPUR			
35	340535	CASTING-C.F. PUSHER	NS	29930	PIN-TAPER			
	340891	CASTING-C.F. PUSHER (W/VLCD)	A 12A	228460	INDEX ASM-CARD FEED CAM	138	18491	SCREW-CARD ALIGNING BAR
36	228457	ROLLER-C.F. PUSHER	A 13	310938	CONTACT ASM-C.B. MTG (POS 3 & 4)		196298	SCREW-CARD ALIGNING BAR (W/VLCD)
37	120044	SCREW-INDEX POINTER		341248	CONTACT ASM-C.B. MTG (POS 2, 3, & 4)	139	314443	GUIDE-CARD ALIGNING
38	312054	POINTER-INDEX		342593	CONTACT ASM-C.B. MTG (POS 2, 3, 4, & 8)		345155	GUIDE-CARD ALIGNING (W/VLCD)
39	227623	GEAR-IDLER	88	313548	BAR-CARD FEED C.B. MTG	140	216837	DOWEL-CARD ALIGNING BAR
40	340801	SPRING-PRESSURE ROLL (W/VLCD)	89	24933	NUT-C.B. CONTACT ASM	141	60488	CLIP-C.F. ARM CAM
41	6318	LOCKWASHER	90	24938	SCREW-BREAKER POINT	142	227657	SPRING-C.F. CAM FOLLOWER ARM
42	314238	STUD-C.F. ALIGNER	91	25282	CLIP-C.B. CONTACT ASM	143	310474	ROLLER-CARD FEED CAM
43	340877	CLIP-PRESSURE ROLL SPRING (W/VLCD)	92	173209	SCREW-C.B. CONTACT ASM	144	150698	WASHER-C.F. CAM ROLLER
44	6503	NUT-CARD ALIGNER SHAFT	93	100804	WASHER-CONTACT ASM INSULATING	145	60489	CLIP-SPRING
45	79593	SPRING-CARD ALIGNER	94	20038	WASHER-C.B. CONTACT	146	301153	SPRING-LINK
46	309789	ROLLER-PRESSURE	95	7341	NUT-C.B. MOUNTING	147	38688	SCREW-CARD FEED MTG
47	147297	CLIP-PRESSURE ROLL TIE SPRING	96	118418	SCREW-C.B. MOUNTING	148	34512	SCREW-CONTACT ASM MTG
48	309788	SPRING-PRESSURE ROLL	A 13A	24961	ARM ASM-BREAKER	149	228114	BEARING-CARD FEED CAM SHAFT
49	327135	STRAP-TIE BAR (W/VLCD)	A 13B	24969	BRACKET ASM-BREAKER	150	227603	FRAME-C.F. FRONT
50	313448	SPRING-SAFETY LATCH	A 13C	24932	HOLDER ASM-A DJUST	151	113305	SCREW
51	312366	LATCH-SAFETY	A 14	227620	SHAFT ASM-CARD ALIGNER	152	186636	SCREW-GUARD MTG
51	345161	LATCH-SAFETY (W/VLCD)		340830	SHAFT ASM-CARD ALIGNER (W/VLCD)	153	312087	PLATE-C.F. BED
52	123639	SCREW-SET	A 15	309793	BAR ASM-PRESSURE ROLL TIE	154	328197	GUARD-C.F. LAT MAG.
53	2629	SCREW-KNIFE CARD GUIDE	A 16	312364	BRACKET ASM-SAFETY LATCH	156	24596	COLLAR-CD ALIGNER
54	25282	CLIP-SAFETY LATCH & ROLLER	A 17	227820	SHAFT ASM-CARD FEED ROLL	157	29949	PIN-TAPER
55	60488	CLIP-CARD FEED ARM SPRING	102	227673	SHAFT-FEED ROLL			
56	227610	GEAR-BEVEL	103	227624	GEAR-FEED ROLL			
57	300575	SHOE-BEARING THRUST	104	29949	PIN-TAPER			
58	176246	SCREW-SET						



CAMS
SEE FIG. 25

Card Feed Asm

Eject & Pin Sense Unit



A	313742	EJECT ASM
	345300	EJECT ASM-(W/VLCD)
	344873	EJECT ASM-(HI-SP SK W/O VLCD)
1	227929	SHAFT-EJECT LEVER
2	227928	LEVER-REGISTER EJECT
3	309733	SPRING-EJECT ROLL
4	133798	SCREW-PIVOT SHAFT SET
5	310784	SPRING-PRESSURE LEVER
6	314482	STUD-ECCENTRIC
8	227930	LEVER-REGISTER IDLER
9	227931	SHAFT-REGISTER IDLER
10	50119	SPRING-CARD REGISTER
12	227927	GUIDE-CARD EJECT
13	22797	SCREW-SET
14	314484	HOUSING-EJECT
	344864	HOUSING-EJECT (VLCD & SHI-SP SK)
15	313243	SPRING-REGISTER ROLL
16	314049	PLATE-CARD REGISTER
17	1856	SCREW-REGISTER PLATE
18	228572	STOP-CARD REGISTER
19	1072949	SPRING-CARD REGISTER STOP
20	294	SCREW-CARD GUIDE
23	314048	PLATE-THROAT
24	28610	SCREW-THROAT PLATE
* A1	227914	SHAFT ASM-ARM CARD REGISTER

25	227916	LEVER-CARD REGISTER
26	141431	PIN-TAPER
* 27	227917	GUIDE-CARD EJECT
* 28	227915	BLOCK-CARD REGISTER
A 2	313238	ARM ASM-REGISTER ROLL
A 3	313239	ARM ASM-EJECT ROLL
A 4	369261	LEVER ASM-LEFT
B	227730	SENSING ASM-PIN
	340945	SENSING ASM-PIN (HI-SP SK & VLCD)
29	310357	SCREW-GUIDE BLOCK
30	227732	GUIDE-BLOCK PIN SENSING
31	227742	SPRING-CARD LEVER
32	16076	SCREW-ADJUSTING
33	7341	NUT-ADJUSTING LOCK
34	25282	CLIP-OPERATING LINK
35	308409	WICK-OIL
36	227752	LINK-SHORT PIN BAIL
37	227741	LEVER-PIN SENSING CARD
38	78613	DOWEL-CARD LEVER
39	227739	BRACKET-CARD LEVER
40	310358	SCREW-CARD LEVER BRACKET
41	227746	TERMINAL-COMMON CONTACT
42	310359	SCREW-COMMON CONTACT

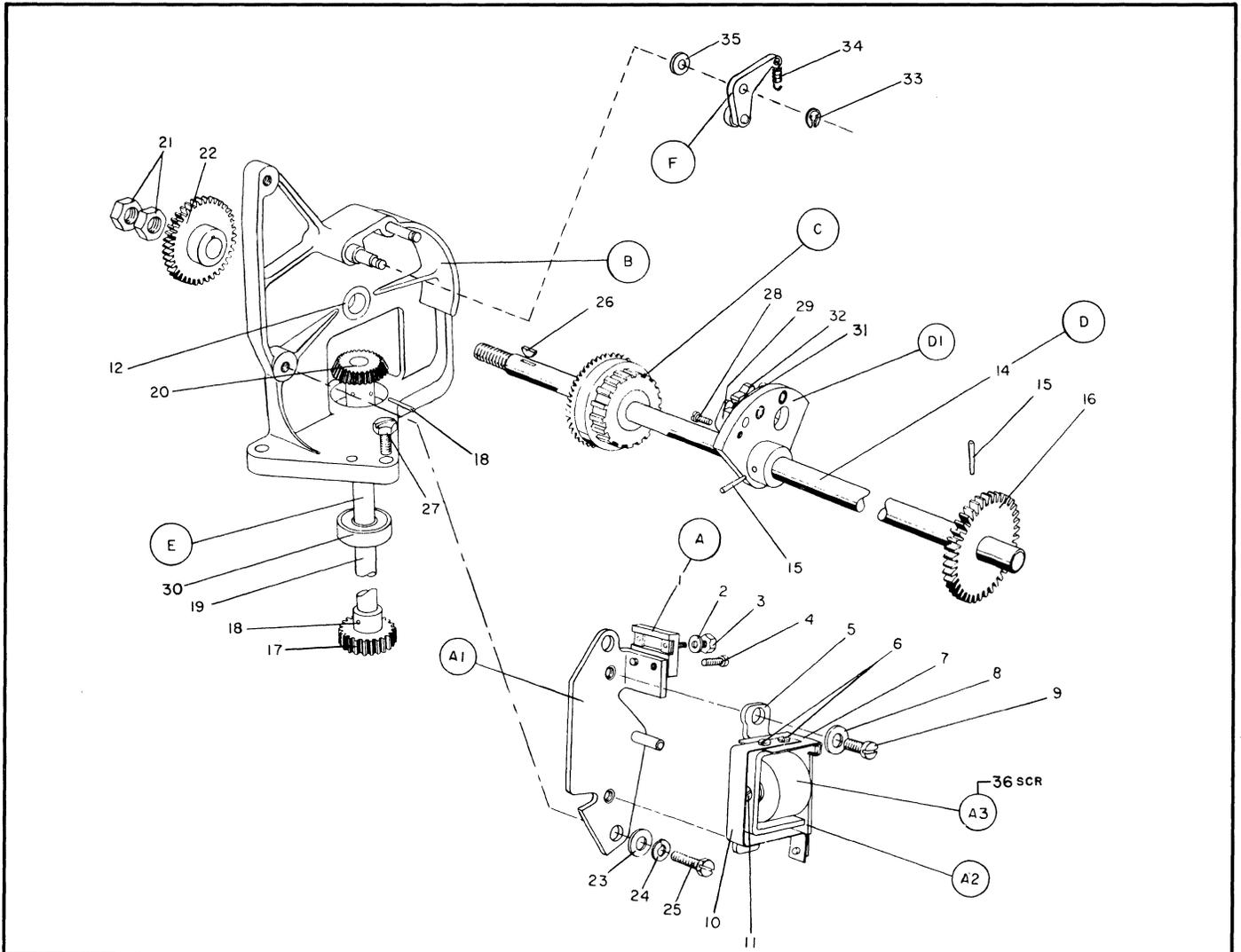
43	314032	COVER-DUST
44	196698	SCREW-DUST COVER MTG
45	345818	SPACER
46	100804	WASHER-INSULATING
47	340711	SCREW-CONTACT Moulding
48	114045	INSULATION-SCREW
B 1	310595	BAIL ASM-PIN SENSING
* 49	227736	SHAFT-PIN SENSING
50	139686	PIN-SENSING SHAFT TAPER
* 51	227737	BAIL-PIN SENSING
52	80716	NUT-BAIL PIN
53	227738	GUIDE-BAIL PIN
54	23096	PIN-OPERATING ARM TAPER
* B 1 A	310355	ARM ASM-PIN BAIL
B 2	227734	Moulding ASM-CONTACT
B 3	227743	BLADE ASM-SENSING
B 4	227735	CASTING ASM-PIN SENSING

PARTS NOT INCLUDED WITH ASSEMBLIES

56	641	SCREW-EJECT UNIT MTG
57	261554	GUIDE-READ STAT CD (W/VLCD)
58	18491	SCREW-GUIDE MTG (W/VLCD)
59	313390	CLIP-TERMINAL
60	227713	BEARING - CASTING

* NOT RECOMMENDED FOR FIELD REPLACEMENT

Card Feed Clutch & Magnet Asm

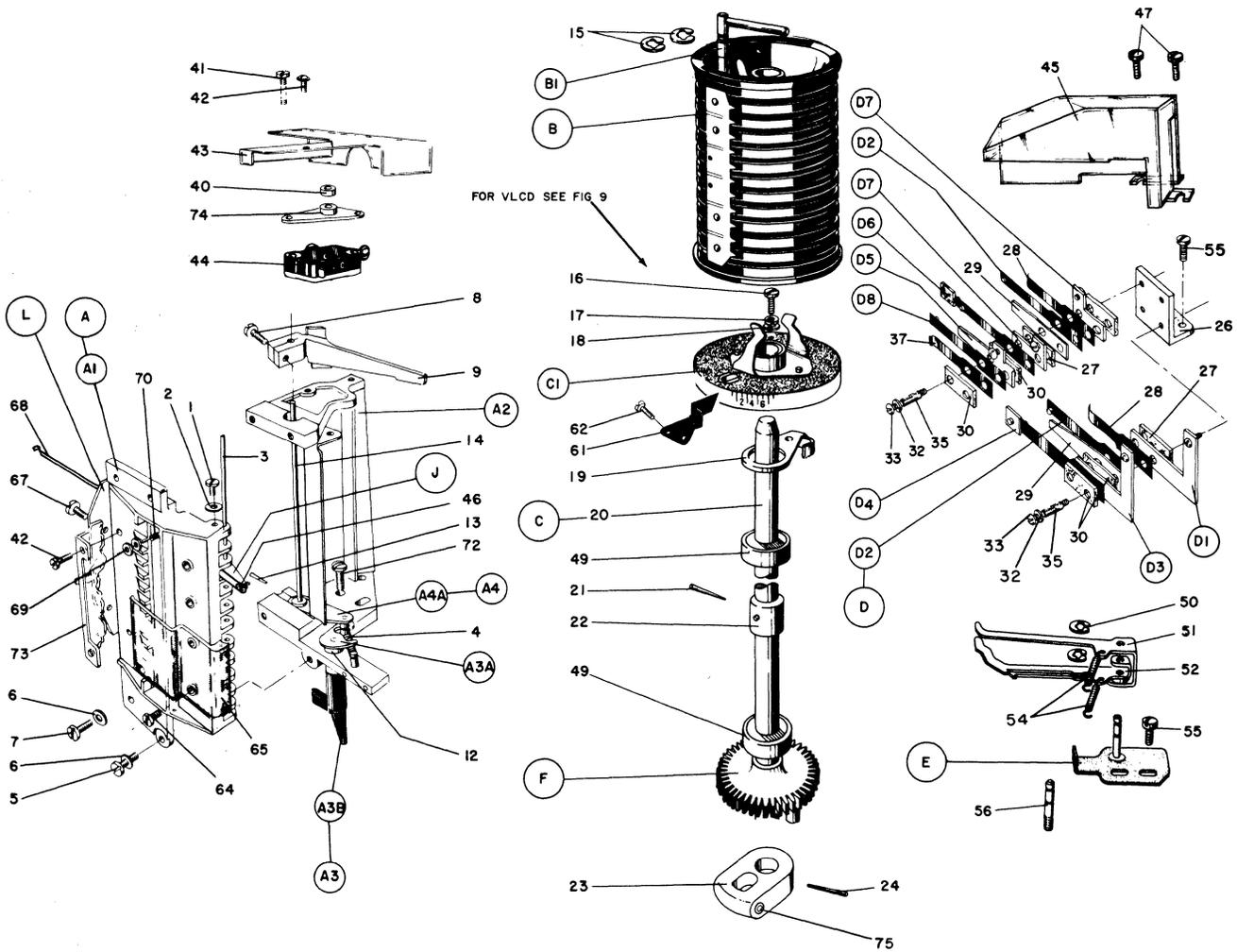


A	314268	MAGNET ASM-CLUTCH
1	9667	BLOCK-MAGNET TERMINAL
2	17514	WASHER
3	478	NUT-TERMINAL MTG
4	2629	SCREW-TERMINAL MTG
5	228152	YOK E
6	186636	SCREW
7	228153	KEEPER-ARMATURE
8	139450	WASHER-YOK E MTG
9	38381	SCREW
10	228162	SPRING
11	163	SCREW-MAGNET COIL MTG
A1	314269	BRACKET ASM-CLUTCH MTG
A2	328008	ARMATURE ASM
A3	228094	COIL ASM-MAGNET

B	310383	SUPPORT ASM-CLUTCH
	345135	SUPPORT ASM-CLUTCH (W/VLCD)
	266000	SUPPORT-ASM CLU.HI SP SKIP RE-GEAR
	228114	BEARING
12		
C	310372	RATCHET ASM-CLUTCH
D	228134	SHAFT ASM-CARD FEED CLUTCH
	345125	SHAFT ASM-CLUTCH (W/VLCD)
14	228135	SHAFT-CARD FEED
15	22867	PIN-TAPER
16	227634	GEAR-SPUR
D1	309833	ARM ASM-CARD FEED CLUTCH
	345124	DISC ASM-(W/VLCD)
E	228155	SHAFT ASM-TRANSVERSE DRIVE
17	228059	GEAR-SPUR
18	29980	PIN-TAPER
19	228156	SHAFT-TRANSVERSE DRIVE
20	228451	PINION-BEVEL
F	345137	LATCH ASM-CLUTCH (W/VLCD)

PARTS NOT INCLUDED WITH ASSEMBLIES	
21	10574 NUT-STACKER DRIVE GEAR
22	228141 GEAR-STACKER DRIVE
23	47242 LOCKWASHER-CLUTCH MAGNET
24	9092 LOCKWASHER-CLUTCH MAGNET MTG
25	120211 SCREW-CLUTCH MAGNET MTG
26	180383 KEY-STACKER DRIVE GEAR
27	129147 SCREW-CARD FEED CLUTCH MTG
28	3500 SCREW-CARD FEED CLUTCH SPRING MTG
29	141337 HOUSING-CARD FEED CLUTCH SPRING
30	156364 BEARING-TRANSVERSE DRIVE
31	141015 SPRING-CARD FEED CLUTCH DOG
32	228157 DOG-CARD FEED CLUTCH
33	60489 CLIP-LATCH ASM RETAINING (W/VLCD)
34	214438 SPRING-LATCH ASM (W/VLCD)
35	45650 SPACER-LATCH ASM (W/VLCD)
36	147066 SCREW-TERMINAL

Program Asm

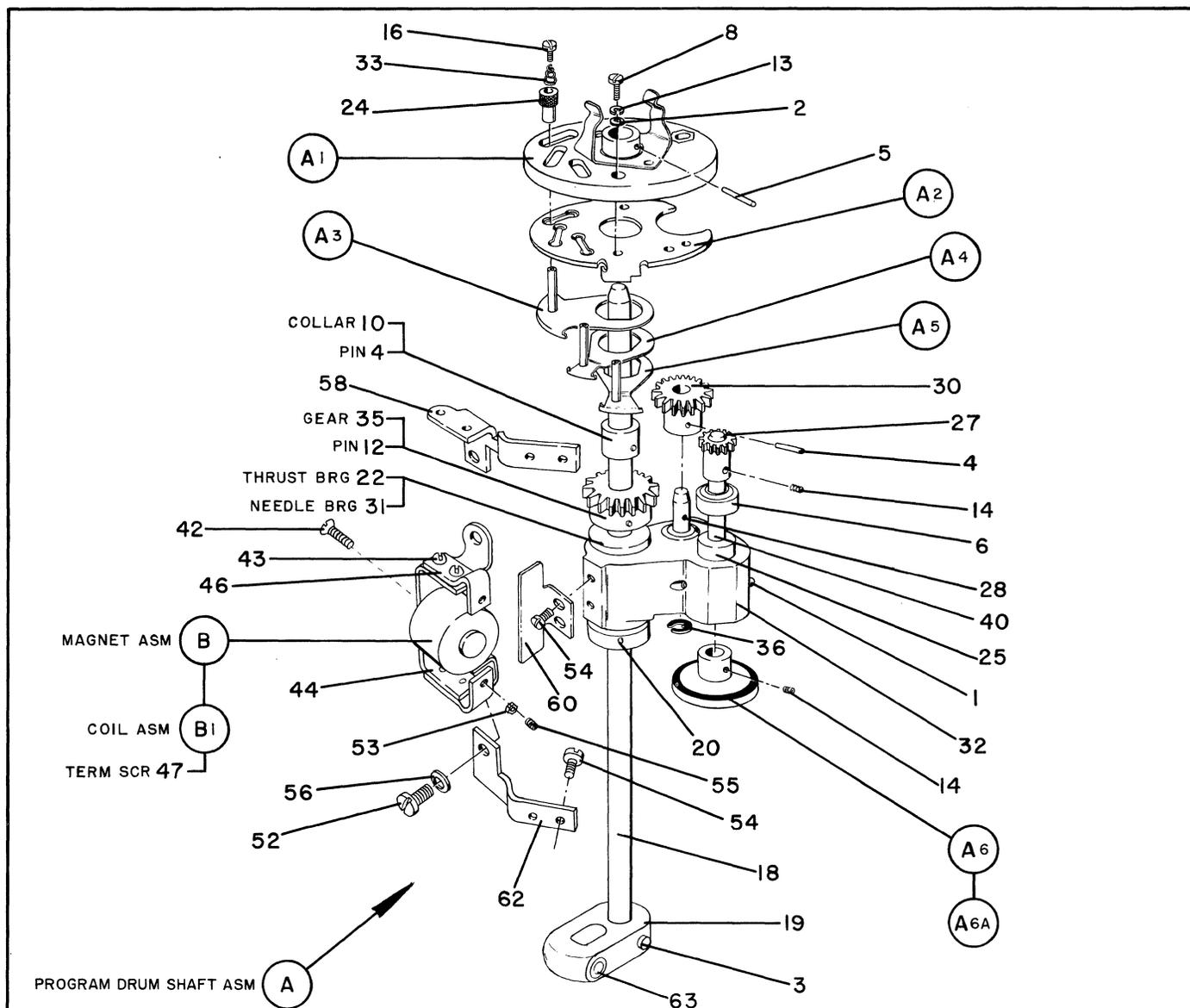


A	310402	PROGRAM ASM
1	186712	SCREW-PIVOT SHAFT RETAINING
2	1090630	WASHER-SHAFT RETAINING
3	227866	SHAFT-LEVER PIVOT
4	26943	SPRING-RELEASE BAIL
5	337	SCREW-SENSING UNIT MTG
6	24511	WASHER-SENSING UNIT MTG
7	38368	SCREW-SENSING UNIT MTG
8	24019	SCREW-DRUM INTERLOCK
9	227870	ARM-DRUM INTERLOCK
A1	227848	PLATE ASM-PROGRAM SENS SUPPORT
A2	227850	BRACKET ASM-SENSING UNIT
A3	227888	SHAFT ASM-RELEASE BAIL CAM
12	4320	PIN-TAPER
A3A	227868	CAM ASM-RELEASE BAIL
A3B	227889	HANDLE ASM-RELEASE BAIL
A4	309859	SHAFT ASM-RELEASE BAIL
13	12473	PIN-TAPER
14	227854	SHAFT-BAIL
A4A	309858	BAIL ASM-RELEASE
B	227909	DRUM ASM-PROGRAM
15	25282	CLIP-SPRING
B1	309848	SHAFT ASM-GRIPPER
C	309598	SHAFT ASM-PROGRAM DRUM
16	120044	SCREW-PROGRAM CAM
17	163899	LOCKWASHER-PROGRAM CAM SCREW
18	22066	WASHER-PROGRAM CAM SCREW
19	313521	CAM-PROGRAM
* 20	227903	SHAFT-PROGRAM DRUM
21	29949	PIN-COLUMN INDICATOR TAPER
22	139354	COLLAR-DRUM SHAFT

* 23	228066	ARM-DRUM ADJ
24	24695	PIN-DRUM ADJ ARM TAPER
25	44507	PIN-COLUMN INDICATOR TAPER
C1 *	300954	WHEEL ASM-COLUMN INDICATOR
D	340619	CONTACT ASM-PROGRAM CAM
26	60632	BRACKET-CONTACT
27	72316	INSULATION
28	308408	SPRING
29	308427	SUPPORT-CONTACT SPRING
30	57698	INSULATION
32	52393	WASHER
33	175235	SCREW
	120367	SCREW
35	340135	INSULATION-SCREW
	340137	INSULATION-SCREW
37	159506	SPRING
D1	308699	TERMINAL ASM
D2	340616	SPRING ASM-CONTACT
D3	308698	TERMINAL ASM
D4	340618	SPRING ASM-CONTACT
D5	227876	SUPPORT ASM-CONTACT
D6	340617	SPRING ASM-CONTACT
D7	308696	TERMINAL ASM-CONTACT
D8	340615	SPRING ASM-CONTACT
E	227879	ARM ASM-CONTACT SUPPORT
F	309652	GEAR ASM-DRUM DRIVE
J	227858	LEVER ASM-SENSE LONG
	227874	LEVER ASM-SENSE SHORT

L	313266	STRIP ASM-COMMON CONTACT
	314373	STRIP ASM-COMMON CONTACT (W/ALT PROG)
PARTS NOT INCLUDED WITH ASSEMBLIES		
40	309986	SPACER-PROGRAM SWITCH MTG
41	309983	SCREW-PROGRAM SWITCH MTG
42	3500	SCREW
43	308206	COVER-PROGRAM CUTOUT SWITCH
44	228093	SWITCH-PROGRAM
45	313909	COVER-PROGRAM CAM
46	211985	WHEEL-SENSING
47	196698	SCREW-PROGRAM CAM COVER MTG
49	156364	BEARING-SHAFT
50	25282	CLIP-SPRING
51	313520	ARM-TRANS CONTACT OPERATING
52	227883	ARM-OPERATING
53	57537	SPACER
54	20321	SPRING-CONTACT ARM
55	673	SCREW
55	227885	STUD-CONTACT ARM OPERATING
61	227847	INDICATOR-COLUMN
62	186712	SCREW
64	4236	SCREW
65	308205	COVER-CONTACT INSULATING
67	120044	SCREW
68	227863	WIRE-CONTACT
69	27073	NUT
70	314097	SCREW
72	845	SCREW
73	309607	COVER-WIRE CONTACT
74	314273	PLATE-PROGRAM SWITCH
75	338013	SCREW-DR ARM ADJ

* NOT RECOMMENDED FOR FIELD REPLACEMENT

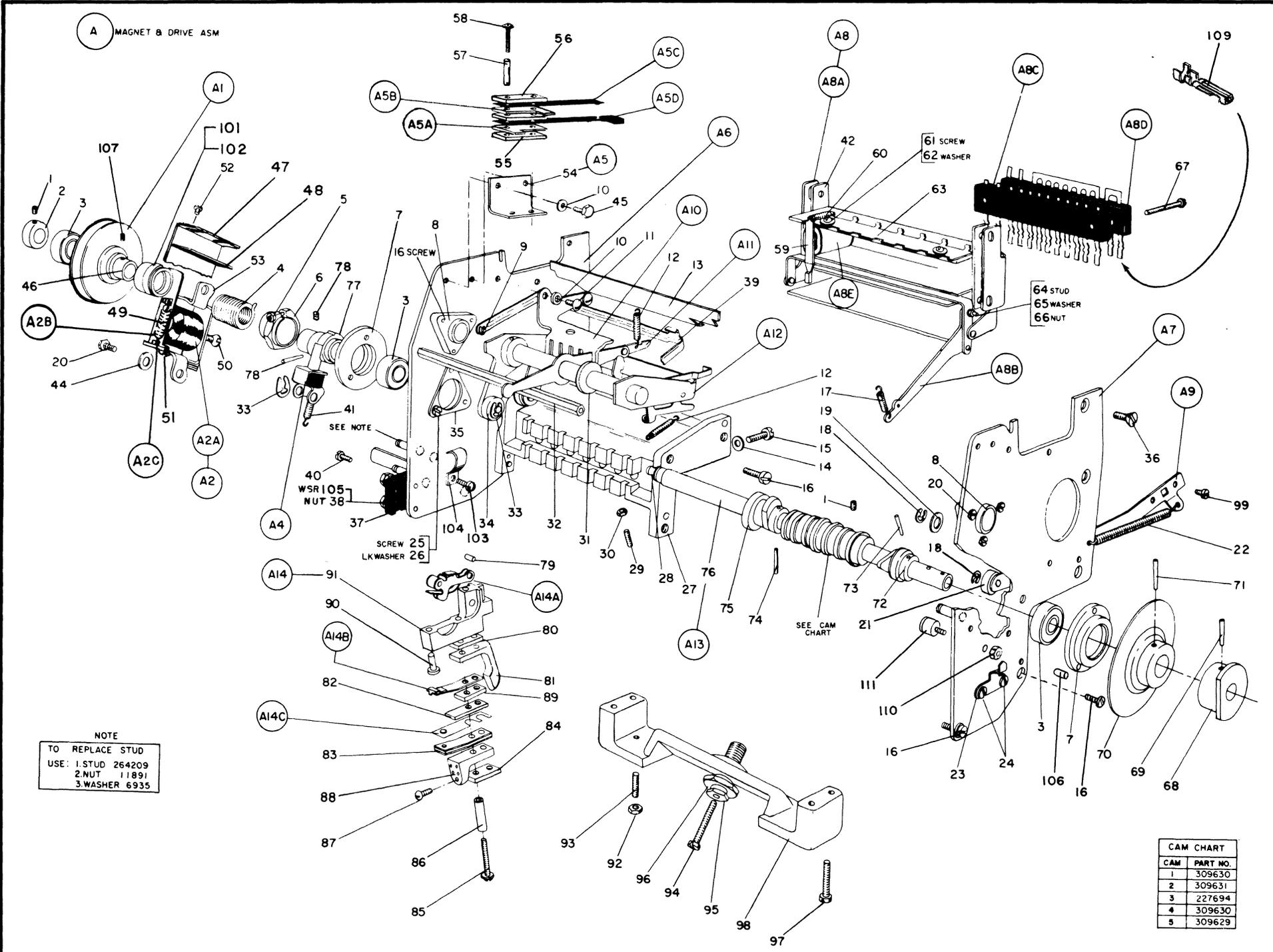


A	340875	SHAFT ASM-PROGRAM DRUM (W/VLCD)	25	340853	SPACER-BEARING	B	341215	MAGNET ASM-AUX TRANSPORT (VLCD)
1	292	PIN-HOUSING TAPER	27	340854	GEAR-IDLER	340930	MAGNET ASM-AUX TRANSPORT (24 H)	
2	22066	WASHER-CAM	28	340856	SHAFT-IDLER	42	244	SCREW
3	24695	PIN-TAPER	30	340857	GEAR	43	118418	SCREW
4	29949	PIN-TAPER	31	340858	BEARING-SHAFT NEEDLE	44	228152	YOKE-MAGNET
5	44507	PIN-TAPER	32	340859	HOUSING-AUX TRANSPORT	46	340999	STOP-ARMATURE
6	110129	BEARING-BALL	33	340873	SPRING-CAM KNOB	B1	341126	COIL ASM (VLCD)
8	120044	SCREW-CAM	35	340874	GEAR-AUX TRANSPORT DRIVE	228094	COIL ASM (24H)	
10	139354	COLLAR-SHAFT	36	1103695	CLIP-IDLER SHAFT RETAINING	147066	SCREW-TERMINAL	
12	139472	PIN-TAPER	A1	340760	INDICATOR ASM-PROGRAM COLUMN	PARTS NOT INCLUDED WITH ASSEMBLIES		
13	163899	LOCKWASHER-CAM	A2	340870	CAM ASM-81 COLUMN PROGRAM	52	371	SCREW-AUX TRANSPORT MAGNET
14	165556	SCREW-GEAR SET	A3	340810	CAM ASM-67 COLUMN CONTACT	53	27073	NUT
16	186399	SCREW	A4	340805	CAM ASM-61 COLUMN CONTACT	54	38350	SCREW
* 18	227903	SHAFT-PROGRAM	A5	340795	CAM ASM-52 COLUMN CONTACT	55	101017	SCREW-AUX TRANS ARM SET
* 19	228066	ARM-DRUM ADJ	A6	341247	ROLL ASM-SHAFT AND	56	139450	WASHER-AUX TRANS MTG
20	340781	COLLAR-AUX TRANSPORT BEARING	40	340852	SHAFT	58	340762	BRACKET-AUX TRANSPORT
22	340782	BEARING-AUX TRANSPORT THRUST	A6A	228041	ROLL ASM	60	340763	ARMATURE-AUX TRANSPORT MAGNET
24	340827	KNOB-CAM DETENT				62	340777	BRACKET-AUX TRANSPORT (FRONT)
						63	338013	SCREW-DR ARM ADJ

* NOT RECOMMENDED FOR FIELD REPLACEMENT

USE ON				USE ON				USE ON			
A	341023	Drive Asm. - 026 (New Style)	1	51	38271	Screw - Pivot Plate Mtg.	1 2 3 4	A8E		Coil Asm. - Magnet	
	227830	Drive Asm. - 026 (O. S. - W/Sp. Mag.)	2	52	305270	Screw - Residual Mtg.	1 2 3 4			024 Use 227626 for all coils	
	341053	Drive Asm. - 024 (New Style)	3	53	228152	Yoke - Magnet	1 2 3 4			026 Use 227626 for 12-11-0-Space	
	227755	Drive Asm. - 024 (O. S. - W/Sp. Mag.)	4	NS	344117	Retainer - P. C. Arm	1 2 3 4			026 Use 228567 for 1-9	
1	75533	Screw - Pulley Collar	1 2 3 4		344123	Plate - Pivot Lower	1 2 3 4	A9	227749	Link Asm - Pin Drive	1 2 3 4
2	301174	Collar - Pulley	1 2 3 4	A 2A	228094	Coil Asm. - Magnet	1 2 3 4	A10	301132	Comb Asm - Guide & Bumper	1 2 3 4
3	156364	Bearing - Cam Shaft	1 2 3 4	A 2B	328902	Armature Asm.	1 2 3 4	A11	308421	Arm Asm - Punch Op.	1 2 3 4
4	328917	Spring - Punch Clutch (N. S.)	1 2 3 4	A 2C	328918	Sleeve - Clutch, Fixed	1 2 3 4	A12	341062	Bail Asm - Punch	1 3
	340728	Spring - Punch Clutch (O. S.)	2 4	101	328903	Plate Asm. - Pivot	1 2 3 4		309686	Bail Asm - Punch	2 4
5	228348	Screw - Collar	1 2 3 4	102	328919	Sleeve - Clutch, Lead	1 2 3 4	A13	227793	Shaft Asm - Cam	1 2
6	328920	Collar (N. S.)	1 2 3 4						227792	Shaft Asm - Cam	3 4
	309747	Collar (O. S.)	2 4					68	228289	Cam - Print (026)	1 2
7	227775	Housing - Bearing	1 2 3 4					69	44507	Pin - Print Cam	1 2
8	227774	Bearing - P. Bail Shft.	1 2 3 4	A 2	309840	Magnet Asm		70	314186	Index - Cam Shaft	1 2 3 4
9	147297	Clip - Cont. Bail Spng	1 2 3 4	47	305248	Bracket - Coil Protect		71	29930	Pin - Index	1 2 3 4
10	79233	Washer	1 2 3 4		228153	Keeper - Armature		72	308436	Cam - K.O. & Pin Op.	1 2 3 4
11	155180	Screw - Guide Comb. Mtg.	1 2 3 4		227824	Spring - Armature		73	29949	Pin - K.O. & Pin Op. Cam	1 2 3 4
12	110034	Spring - Interposer	1 2 3 4	50	163	Screw - Coil Mtg.		74	19167	Pin - Punch OP. Cam	1 2 3 4
13	340764	Anchor - Intpsr Spring (N. S.)	1 2 3 4		105047	Lockwasher - Armature Retainer		75	227794	Cam - Punch Op.	1 2 3 4
	227777	Anchor - Intpsr Spring (O. S.)	2 4		186636	Screw - Armature Retainer and		76	301184	Shaft-Print Cam	1 2
14	133905	Washer - C. B. Mtg. Screw	1 2 3 4						301183	Shaft-Cam	3 4
15	845	Screw - C. B. Mtg.	1 2 3 4	53	228152	Yoke - Magnet		77	328916	Detent - Punch Clutch (N.S.)	1 2 3 4
16	337	Screw	1 2 3 4	A 2A	228094	Coil Asm. - Magnet			309746	Detent - Punch Clutch (O.S.)	2 4
17	58852	Spring - K. O. Bail	1 2 3 4	A 2B	309839	Armature Asm.		78	123780	Screw - Set, Detent (N.S.)	1 2 3 4
18	25282	Clip - Spring	1 2 3 4		227825	Stop Asm. - Armature			310113	Pin - Clutch Detent (O.S.)	2 4
19	20017	Washer - Pin Drive Link	1 2 3 4		313381	Sleeve Asm. - P. C.		A14	228110	Breaker Asm - Circuit	1 2 3 4
20	1090024	Screw - Rear Bng.	1 2 3 4					79	228475	Pivot - Breaker Arm	1 2 3 4
21	121970	Follower - Pin Op. Cam	1 2 3 4	A 4	344155	Latch Asm. - P. C.	1 2 3 4	80	205743	Insulation	1 2 3 4
22	151390	Spring - Pin Bail Link	1 2 3 4	A 5	227786	Punch Contact Asm. - Front	1 2 3 4	81	228480	Terminal - Block Contact	1 2 3 4
23	227841	Pointer - Index	1 2 3 4		227787	Punch Contact Asm. - Rear	1 2 3 4	82	228477	Stiffener - Upper Contact	1 2 3 4
24	196298	Screw - Index Ptr. Mtg.	1 2 3 4	54	227840	Bracket - Front	1 2 3 4	83	228478	Dampener - Upper Contact	1 2 3 4
25	4236	Screw	1 2 3 4		227788	Bracket - Rear	1 2 3 4	84	230736	Insulation	1 2 3 4
26	163899	Washer	1 2 3 4	55	11899	Insulation - Lower and Middle	1 2 3 4	85	228164	Screw - Washer Head	1 2 3 4
27	227838	Bracket - C. B. Mtg.	1 2 3 4	56	11900	Insulation - Upper	1 2 3 4	86	100237	Insulation - Screw	1 2 3 4
28	171059	Fitting - Cam Shaft	1 2 3 4	57	114045	Insulation - Screw	1 2 3 4	87	118418	Screw - Jumper	1 2 3 4
29	369265	Screw - C. B. Adj.	1 2 3 4	58	173202	Screw - Washer Head	1 2 3 4	NS	228609	Jumper - Metal	1 2 3 4
30	27073	Nut - C. B. Adj.	1 2 3 4	A5A	1882	Terminal Asm - Front (OP)	1 2 3 4	88	228481	Terminal Block - Jumper	1 2 3 4
31	304667	Spacer - Punch Op. Arm	1 2 3 4		138709	Terminal Asm - Rear (OP)	1 2 3 4	89	228147	Insulator - Contact Block	1 2 3 4
32	227827	Bar - Side Plate Space	1 2 3 4	A5B	152711	Terminal Asm - Front (N/O)	1 2 3 4	90	228476	Plunger - Contact	1 2 3 4
33	60489	Clip - Spring	1 2 3 4		21866	Terminal Asm - Rear (N/O)	1 2 3 4	91	228472	Mounting - Block Cont.	1 2 3 4
34	110129	Follower - P. Cam	1 2 3 4	A5C	227790	Spring Contact (N/O)	1 2 3 4	NS	101017	Screw - Breaker Arm Pivot Set	1 2 3 4
35	227779	Plate - Bng. Retainer	1 2 3 4	A5D	227789	Spring Contact (OP)	1 2 3 4	A14A	228109	Arm Asm. Card Feed	1 2 3 4
36	25750	Screw - P. Mag. Mtg.	1 2 3 4	NS	132665	Jumper - Punch Cont	1 2 3 4	A14B	205742	Strap Asm. - Contact	1 2 3 4
37	9667	Block - Terminal	1 2 3 4	A6	328910	Plate Asm - Front (N.S.)	1 2 3 4	A14C	228107	Strap Asm - Upper Contact	1 2 3 4
38	478	Nut - Term. Block	1 2 3 4		227807	Plate Asm - Front (O.S.)	2 4				
39	227797	Bail - Contact Op.	1 2 3 4	A7	313678	Plate Asm - Rear (N.S.)	1 2 3 4				
40	3500	Screw - Term Block Mtg.	1 2 3 4	A8	341055	Magnet Asm - Punch	1				
41	150676	Spring - Clutch Latch	1 2 3 4		313761	Magnet Asm - Punch	2				
42	227778	Plate - Mag. Yoke Clamp	1 2 3 4		341061	Magnet Asm - Punch	3				
44	102691	Washer - Cl. Mag. Yoke	1 2 3 4		313760	Magnet Asm - Punch	3 4				
45	314494	Screw - Cont. Mtg.	1 2 3 4	59	227776	Armature - Punch Magnet	1 2 3 4	92	6503	Nut - Anchor Bar	1 2 3 4
A 1	340022	Pulley Asm. (60 Cycle)	1	60	27084	Spring - Punch Mag. Asm.	1 2 3 4	93	128172	Screw - Anchor Bar	1 2 3 4
	340023	Pulley Asm. (25 & 50 Cycle)	1	61	118418	Screw - Pivot Plate	1 2 3 4	94	81142	Screw - Adj. Block	1 2 3 4
	228494	Pulley Asm.	2	62	4085	Washer - Pivot Plate	1 2 3 4	95	227839	Screw - Punch Unit Adj.	1 2 3 4
	340020	Pulley Asm. (60 Cycle)	3	63	227785	Pivot - Armature	1 2 3 4	96	38092	Nut - Adj Block Screw	1 2 3 4
	340021	Pulley Asm. (25 & 50 Cycle)	3	64	313260	Strud - Armature K.O., ECC.	1 2 3 4	97	38392	Screw - Anchor Bar	1 2 3 4
	227826	Pulley Asm.	4	65	163899	Washer	1 2 3 4	98	227837	Anchor-Bar	1 2 3 4
46	227813	Bushing - Pulley	1 2 3 4	66	6899	Nut	1 2 3 4	99	186759	Screw - Sensing Link	1 2 3 4
				67	173207	Screw - Term. Block	1 2 3 4	101	328918	Sleeve Clutch fixed (N.S.)	1 2 3 4
				A8A	341060	Mag - Yoke and Core Asm.	1 3	102	328919	Sleeve - Clutch Lead (N.S.)	1 2 3 4
					227781	Mag - Yoke and Core Asm.	2 4		313381	Sleeve Asm - Clutch	2 4
A 2	328900	Magnet Asm.	1 2 3 4	A8B	313759	Bail Asm - Knock Off	1 2 3 4	103	38271	Screw - Clamp Mtg.	1 2 3 4
47	305248	Bracket - Coil Protect	1 2 3 4	A8C	228100	Block Asm. - Terminal	1 2 3 4	104	141344	Clamp - Cable	1 2 3 4
48	305269	Residual	1 2 3 4	A8D	312373	Block Asm. - Terminal	1 2	105	17514	Washer - Terminal Block	1 2 3 4
49	328904	Spring - Extension	1 2 3 4		228102	Block Asm. - Terminal	3 4	NS	310893	Filter Asm.	1 2 3 4
50	163	Screw - Coil Mtg.	1 2 3 4					NS	132665	Jumper - Punch Contact	1 2 3 4
								106	632	Pin - Dowel	1 2 3 4
								107	173937	Screw-Set	1 2 3 4
								109	313390	Terminal - Female	1 2 3 4
								110	7341	Nut - Guide Bail	2 4
								111	262437	Guide - Bail	2 4

PARTS NOT INCLUDED WITH ASSEMBLIES



A MAGNET & DRIVE ASM

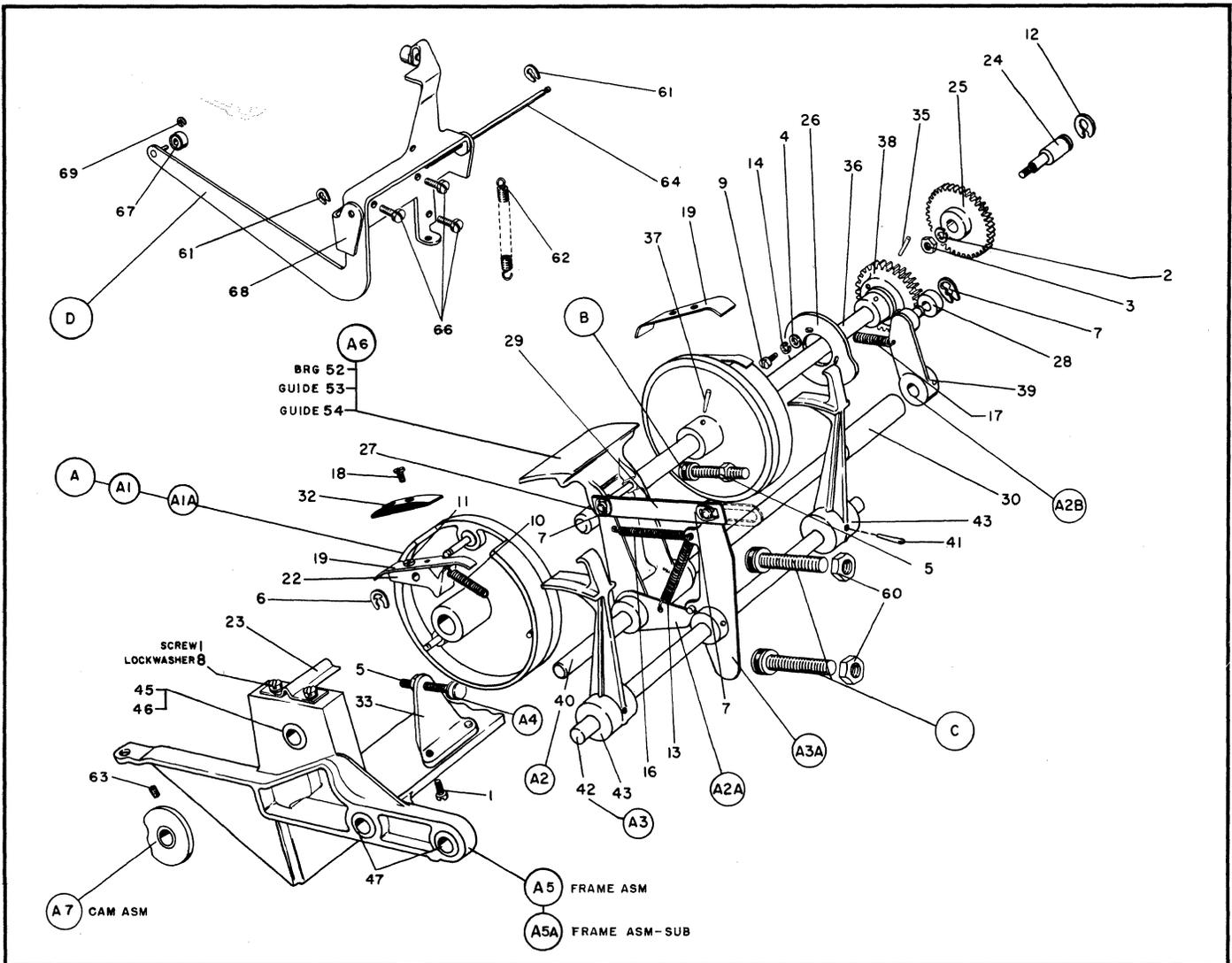
NOTE
 TO REPLACE STUD
 USE: 1. STUD 264209
 2. NUT 11891
 3. WASHER 6935

CAM CHART	
CAM	PART NO.
1	309630
2	309631
3	227694
4	309630
5	309629

Magnet & Punch Drive Asm

24,26-10

Stacker Unit Asm



A

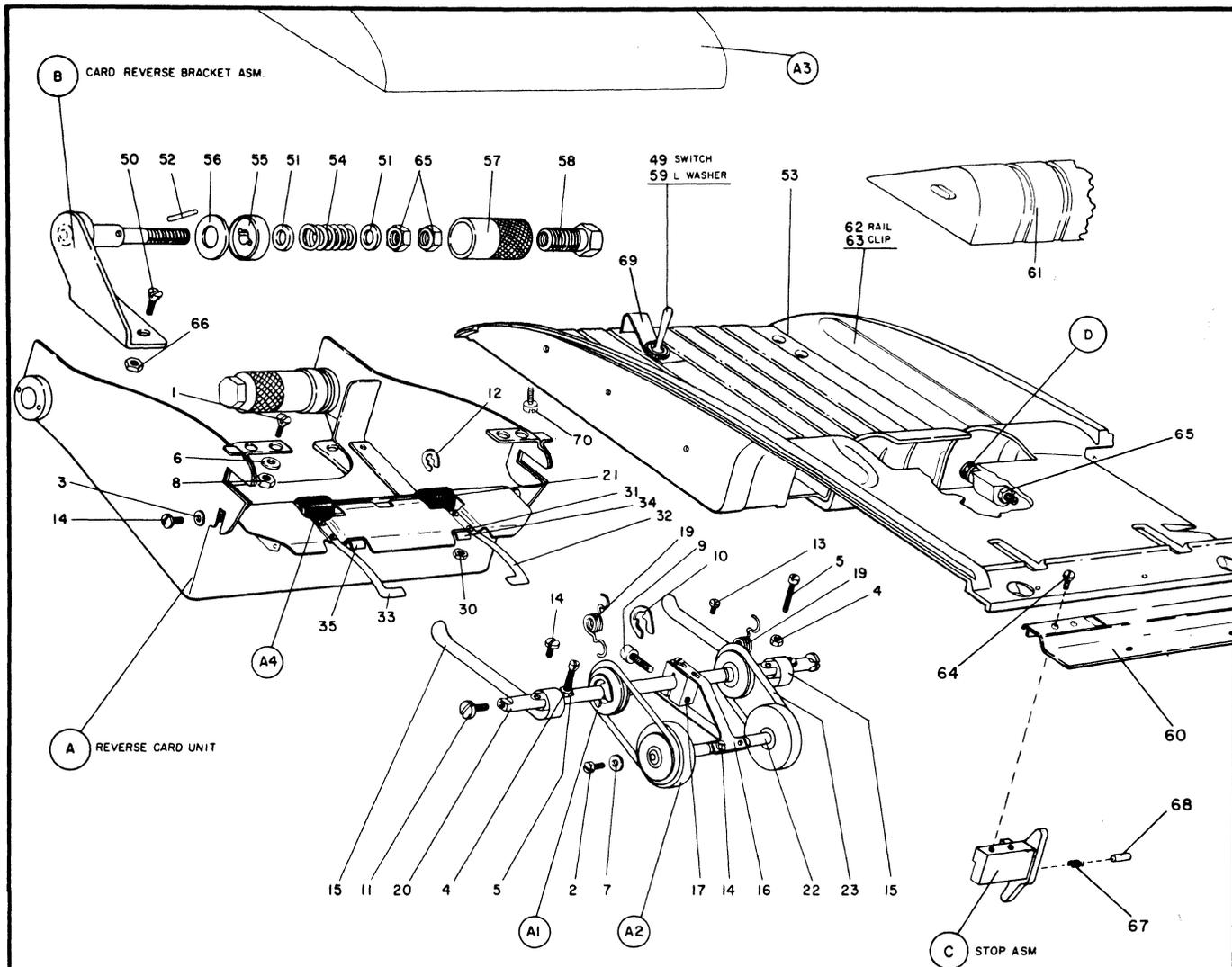
309796	STACKER UNIT ASM (STANDARD)
309826	STACKER UNIT ASM (CARD REVERSING)
342598	STACKER UNIT ASM (VLCD)
1	337 SCREW-BUMPER BRACKET (CD REV)
2	9092 LOCKWASHER-IDLER GEAR STUD
3	11598 NUT-IDLER GEAR STUD
4	22066 WASHER-CARD PUSHER CAM
5	23931 NUT-GUIDE BUMPER (CARD REVERSE)
6	25282 CLIP-CD GRIP PAWL SPRING
7	60489 CLIP-SPRING
8	60646 LOCKWASHER-CARD GRIPPER CAM
9	108375 SCREW-CARD PUSHER CAM
10	110267 SPRING-CARD GRIPPER PAWL
11	196299 SCREW
12	139766 CLIP-IDLER GEAR STUD SPRING
13	150521 SPRING-CARD GUIDE OPERATING
14	163899 LOCKWASHER-CARD PUSHER CAM
16	183864 SPRING-CARD GUIDE
17	183866 SPRING-CAM FOLLOWER
18	196299 SCREW-CARD GRIPPER SPRING
19	227526 SPRING-CD GRIPPER R.H. & L.H. (STD)
	301104 SPRING-CD GRIPPER R.H. (CARD REV)
	301103 SPRING-CD GRIPPER L.H. (CARD REV)
22	227952 BLOCK-CARD GRIPPER
23	227953 CAM-CARD GRIPPER
24	227954 STUD-IDLER GEAR
25	227955 GEAR-IDLER
26	227960 CAM-CARD PUSHER
	345032 CAM-CARD PUSHER (VLCD)
27	227963 SHAFT-CARD GUIDE LINK

28	227967 ROLLER-CAM
29	227973 LINK-CARD GUIDE (STANDARD)
	301102 LINK-CARD GUIDE (CARD REVERSE)
30	227974 SPACER-CARD GUIDE
32	310873 BLOCK-CARD GRIPPER COVER
33	301101 BRACKET-BUMPER SCREW (CD REVERSE)
A 1	227985 SHAFT ASM-DRUM (STANDARD)
	301096 SHAFT ASM-DRUM (CARD REVERSE)
	263980 SHAFT ASM-DRUM (VLCD)
35	29980 PIN-DRUM SHAFT GEAR TAPER
36	150542 SHAFT-DRUM
	263979 SHAFT-DRUM (VLCD)
37	151231 PIN-DRUM SHAFT ASM TAPER
38	227959 GEAR-DRUM SHAFT DR
A 1 A	227961 DRUM ASM-CARD STACKER (STD)
	301097 DRUM ASM-CARD STACKER (CD REV)
A 2	227986 SHAFT ASM-CAM FOLLOWER LEVER
39	139472 PIN-CAM FOLLOW SHAFT ASM TAPER
40	227984 SHAFT-CAM FOLLOWER ARM
A 2 A	227971 LEVER ASM-CARD PUSH OPERATING
A 2 B	227966 ARM ASM-CAM FOLLOWER
A 3	309799 SHAFT ASM-CARD PUSHER LEVER
	41 139472 PIN-CARD PUSHER SHAFT ASM TAPER
42	227976 SHAFT-CARD PUSHER
43	309798 LEVER-CARD PUSHER
A 3 A	227979 ARM ASM-CARD PUSHER OPERATING
A 4	227980 SCREW ASM-BUMPER (CARD REVERSE)
A 5	311499 FRAME ASM-STKR U (CD REV & VLCD)
	311498 FRAME ASM-STACKER UNIT (STD)
45	167400 BEARING-DRUM SHAFT (VLCD)

46	227951 BEARING-CARD GUIDE STANDARD
47	369421 BEARING-CD GD (CD REV & VLCD)
A 5 A	301100 FRAME ASM-STKR U (CD REV & VLCD)
	227949 FRAME ASM-STACKER UNIT (STD)
A 6	311648 GUIDE & BUSH ASM-TRAVEL (VLCD)
	311649 GUIDE & BUSH ASM-TRA (STD & CD REV)
52	227951 BEARING
53	227983 GUIDE-TRAVEL CARD (STD & CD REV)
54	340896 GUIDE-TRAVEL CARD (VLCD)
A 7	345284 CAM ASM-AUX EJECT
B	227980 BUMPER ASM-REAR
C	227957 BUMPER ASM-FRONT
D	340780 ARM ASM-AUX EJECT

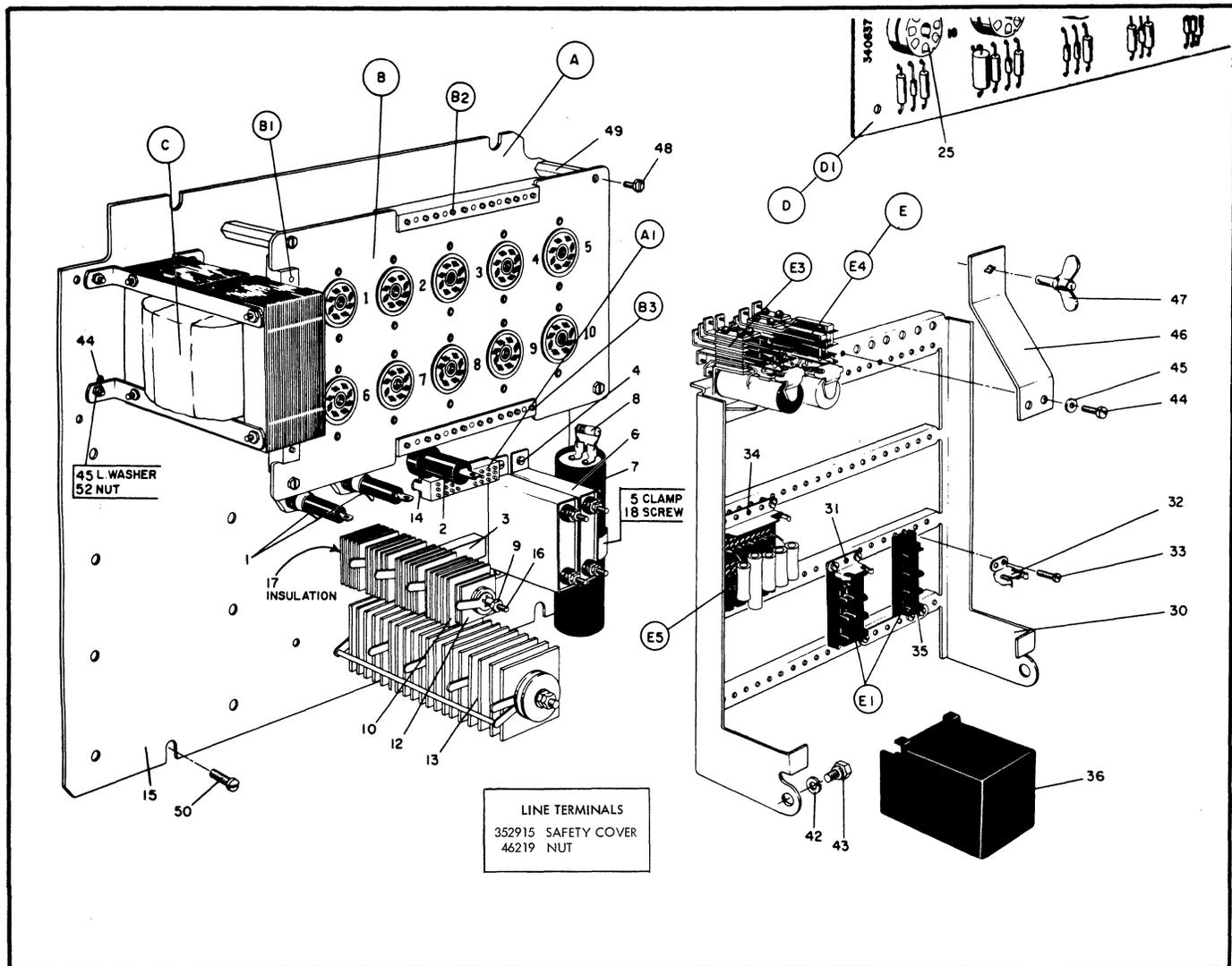
PARTS NOT INCLUDED WITH ASSEMBLIES

60	3960 NUT-BUMPER ASM MTG
61	25282 CLIP-AUX ARM SHAFT SPRING
62	39168 SPRING-AUX EJECT ARM
63	75533 SCREW-CAM SET
64	154476 SHAFT-AUX EJECT ARM
66	196698 SCREW-AUX EJECT ARM BRKT MTG
67	225574 FOLLOWER-AUX EJECT ARM CAM
68	340847 BRACKET-AUX EJECT ARM
69	1073418 CLIP-AUX EJECT FOLLOWER SPRING



<p>A</p> <p>341317 CARD REVERSE UNIT ASM (VINYL)</p> <p>300973 CARD REVERSE UNIT ASM (STEEL)</p> <p>1 194 SCREW-COVER MOUNTING</p> <p>2 2300 SCREW-PRESSURE ROLL MTG</p> <p>3 4425 WASHER</p> <p>4 7341 LOCKNUT-COVER ADJ SCREW</p> <p>5 11166 SCREW-COVER ADJ</p> <p>6 22066 WASHER-COVER MTG</p> <p>7 22478 WASHER-PRESSURE ROLL MTG</p> <p>8 23815 NUT-COVER MTG</p> <p>9 104613 SCREW-SPRING MTG BLOCK</p> <p>10 139766 CLIP-PULLEY RETAINING</p> <p>11 186759 SCREW-PIVOT SHAFT</p> <p>12 192049 CLIP-IDLER ROLL RETAINING</p> <p>13 196298 SCREW-PRESSURE ROLL SPRING</p> <p>14 196299 SCREW</p> <p>15 300985 SPRING-CARD HOLD DOWN</p> <p>16 300987 SPRING-PRESSURE ROLL</p> <p>17 300988 BLOCK-SPRING MTG</p> <p>18 300992 SPRING</p> <p>19 300998 SPRING-COVER</p> <p>20 300999 SHAFT-PIVOT</p>		<p>21 301089 SHAFT-IDLER</p> <p>22 301095 BELT-PRESSURE ROLL</p> <p>23 300986 BELT-CARD FEED</p> <p>A 1 300982 PULLEY AND BEARING ASM</p> <p>A 2 300989 ROLL ASM-PRESSURE</p> <p>A 3 300993 COVER ASM (STEEL)</p> <p>341286 COVER ASM (VINYL)</p> <p>A 4 1000382 ROLL ASM-IDLER</p> <p>A 5 301080 BOX ASM</p> <p>30 8506 NUT-DEFLECTOR MTG</p> <p>31 186712 SCREW-DEFLECTOR MTG</p> <p>32 301088 DEFLECTOR-R.H.</p> <p>33 301087 DEFLECTOR-L.H.</p> <p>34 309751 GUIDE-CARD R.H.</p> <p>35 309752 GUIDE-CARD L.H.</p>		<p>B</p> <p>300978 BRACKET ASM-CARD REVERSE R.H.</p> <p>300975 BRACKET ASM-CARD REVERSE L.H.</p> <p>C</p> <p>345158 STOP ASM-STANDARD (VLCD)</p> <p>D</p> <p>227980 BUMPER ASM</p>		<p>PARTS NOT INCLUDED WITH ASSEMBLIES</p> <p>49 301214 SWITCH-MAIN LINE</p> <p>50 4636 SCREW-CARD REVERSE BRACKET</p> <p>51 6650 WASHER</p> <p>52 23958 DOWEL-PIN FRICTION</p> <p>53 309797 BED-STACKER (STANDARD)</p> <p>309783 BED-STACKER (CARD REVERSE)</p> <p>340822 BED-STACKER (VLCD)</p> <p>54 313851 SPRING</p> <p>55 313855 BRUSH-FRICTION</p> <p>56 313856 WASHER-FRICTION</p> <p>57 313857 NUT-THUMB</p> <p>58 313858 NUT-STOP</p> <p>59 159373 LOCKWASHER</p> <p>60 227956 GUIDE-STACKER</p> <p>340796 GUIDE-STACKER (VLCD)</p> <p>61 227745 WEIGHT-CARD STACKER</p> <p>62 228336 RAIL-STACKER SIDE LEFT</p> <p>228339 RAIL-STACKER SIDE RIGHT</p> <p>63 308196 CLIP-STACKER SIDE RAIL</p> <p>64 196299 SCREW</p> <p>65 3960 NUT</p> <p>66 23931 NUT</p> <p>67 16558 SPRING-PLUNGER</p> <p>68 340772 PIN-PLUNGER</p> <p>69 328331 PLATE - AUTO FEED</p> <p>70 358 SCREW - BEDPLATE MTG</p>	
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Power Supply & Relay Gate Asm



LINE TERMINALS
 352915 SAFETY COVER
 46219 NUT

- A 340650 PANEL ASM. (24)
- 310888 PANEL ASM - PRINTING (26)
- 1 179946 POST - FUSE
- 2 104615 MOUNT - FUSETRON
- 3 80817 BLOCK - TERMINAL
- 4 315955 SCREW - MOUNTING
- 5 167740 CLAMP - CAPACITOR
- 6 173706 CAPACITOR - .5 MFD
- 7 167726 CAPACITOR - 200 MFD
- 8 180846 RESISTOR - 47000 OHM
- 9 23815 NUT - RECTIFIER MOUNTING
- 10 76162 RECTIFIER - 6 DISC SELENIUM
- 12 225618 RECTIFIER - BIAS
- 13 310890 RECTIFIER - FULL WAVE
- 14 302131 INSULATOR - TERMINAL BLOCK
- 15 310904 PANEL - POWER SUPPLY MTG.
- 16 314166 SCREW - RECTIFIER MTG.
- 17 310932 INSULATOR - RECTIFIER
- 18 344969 SCREW
- A1 302090 BLOCK ASM - TERMINAL
- B 310889 CHASSIS ASM - BASIC TUBE (26)

COMPONENTS OF REF. A

RESISTOR	10 W	310915
CAPACITOR	.05 MFD	310918
CAPACITOR	10 MFD	310919
CAPACITOR	.02 MFD	310920
RESISTOR	2000 Ω	310914

COMPONENTS OF REF. B

RESISTOR	15000 OHM 2W	72162
RESISTOR	4700 OHM 1W	169129
RESISTOR	10,000 OHM 1W	184093
RESISTOR	47 OHM 1/2 W	192398
RESISTOR	56000 OHM 1/2 W	301149
RESISTOR	22000 OHM 1W	301825
RESISTOR	33000 OHM 1W	301827
RESISTOR	5600 OHM 1/2 W	313890
CONDENSER	22 MFD 200 VDC	228466
CONDENSER	047 MFD 200 VDC	228467

- B1 313625 BLOCK ASM - LEFT TERMINAL
- B2 310481 BLOCK ASM - TERMINAL 11 POS.
- B3 310480 BLOCK ASM - TERMINAL 10 POS.

- C 341124 TRANSFORMER ASM - 115 V 60 CYC, 50 CYC, 115 VDC, 230 VDC (24&26)
- 310928 TRANSFORMER ASM - 230V 60CYC, 50CYC
- 310931 TRANSFORMER ASM - 115V 25 CYC

- D 340637 CHASSIS ASM-TUBE (24)
- 25 340632 SOCKET-OCTAL
- D1 340648 CARD-ETCHED

- E 310890 GATE ASM-RELAY (26)
- 310881 GATE ASM-RELAY (24)
- 30 310933 GATE
- 31 159945 CLIP-6 POSITION
- 32 159944 CLIP-4 POSITION
- 33 198363 SCREW
- 34 159946 CLIP-12 POSITION
- 35 284424 CLIP-RELAY MOUNTING MTG.
- 36 326323 RESISTOR-COVER

COMPONENTS OF REF. D

RESISTOR	15K 2W	317098
RESISTOR	4.7K 1W	317057
RESISTOR	33K 1W	301827
RESISTOR	56K 1/2 W	301149
RESISTOR	10K 1W	317063
RESISTOR	47Ω 1/2 W	317003
RESISTOR	5.6K 1/2 W	313890
RESISTOR	22K 1W	301825
RESISTOR	4.7K 2W	317091
CAPACITOR	.22 MFD 400VDC	340630
CAPACITOR	.047MFD 400VDC	340631

COMPONENTS OF REF. E

RESISTOR	1200 OHM 5W	310913
RESISTOR	2000 OHM 5W	310914
RECTIFIER		310917

- E1 159941 MOULDING ASM - 4 POSITION
- 159942 MOULDING ASM - 6 POSITION
- 326368 MOULDING ASM - 12 POSITION
- E3 206672 RELAY ASM. - DUO
- E4 228210 RELAY ASM. - DUO
- E5 324999 BLOCK ASM - RESISTOR
- NS 326323 COVER RESISTOR
- NS 369557 SHIELD - RELAY DUO

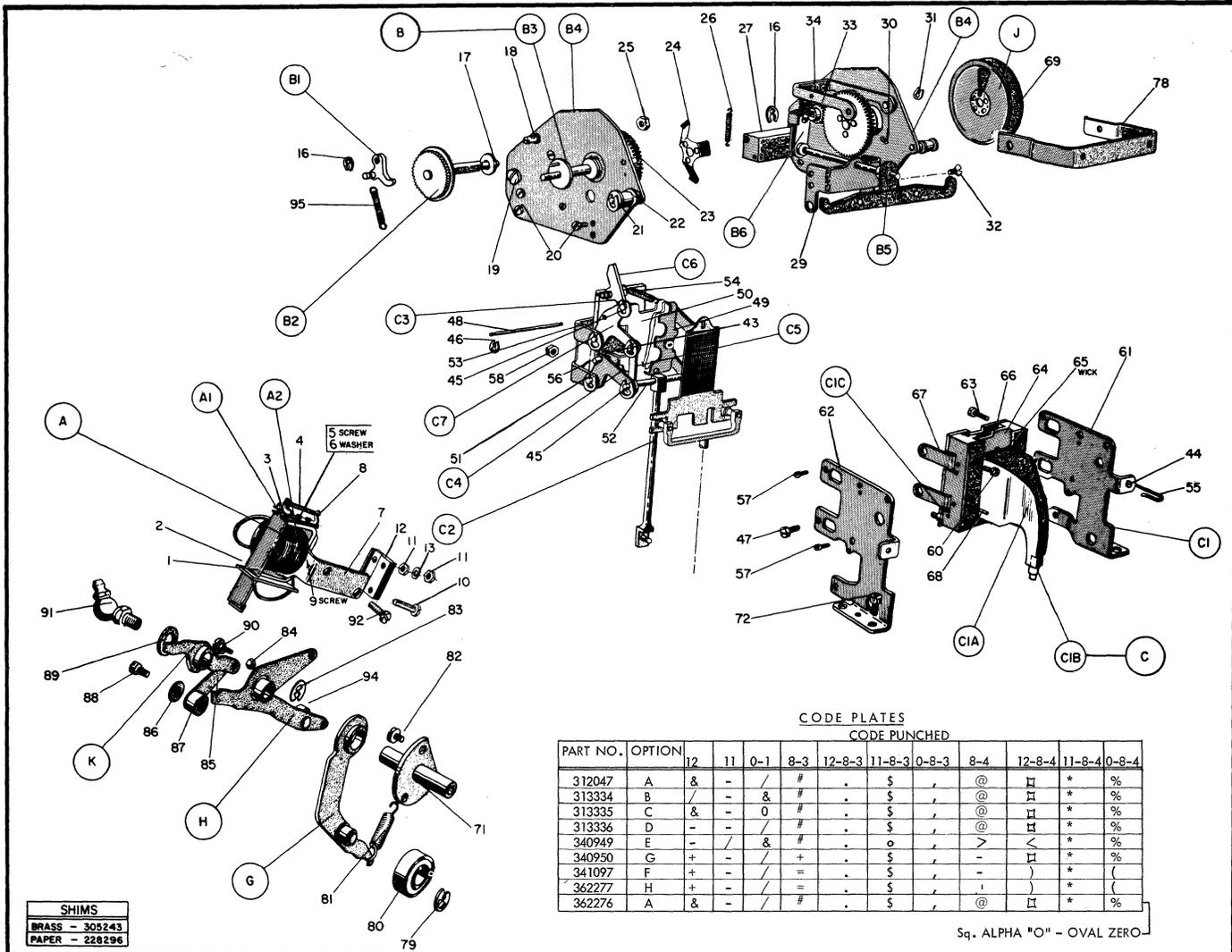
PARTS NOT INCLUDED WITH SUB ASSEMBLIES

- 42 37073 LOCKWASHER
- 43 310892 STUD - MTG. RELAY GATE
- 44 337 SCREW - RELAY HANDLE
- 45 6318 LOCKWASHER
- 46 340929 HANDLE - RELAY GATE
- 47 310883 SPRINGLOCK - WING HEAD STUD
- 48 110775 SCREW
- 49 301298 STUD - CHASSIS MTG.
- 50 358 SCREW
- 52 23931 NUT TRANSFORMER MTG.

WIRE CONTACT RELAYS

Part No.	Size	Coils	Name
196197	6	2	STD
196198	6	2	HRH STD
196207	4	2	STD
196208	4	2	HRH STD

Print Unit Asm



CODE PLATES
CODE PUNCHED

PART NO.	OPTION	12	11	0-1	8-3	12-8-3	11-8-3	0-8-3	8-4	12-8-4	11-8-4	0-8-4
312047	A	&	-	/	#	.	\$	/	@	□	*	%
313334	B	/	-	&	#	.	\$	/	@	□	*	%
313335	C	&	-	0	#	.	\$	/	@	□	*	%
313336	D	-	-	/	#	.	\$	/	@	□	*	%
340949	E	-	/	&	#	.	o	/	>	<	*	%
340950	G	+	-	/	#	.	\$	/	@	□	*	%
341097	F	+	-	/	=	.	\$	/	-)	*	(
362277	H	+	-	/	=	.	\$	/	-)	*	(
362276	A	&	-	/	#	.	\$	/	@	□	*	%

SHIMS

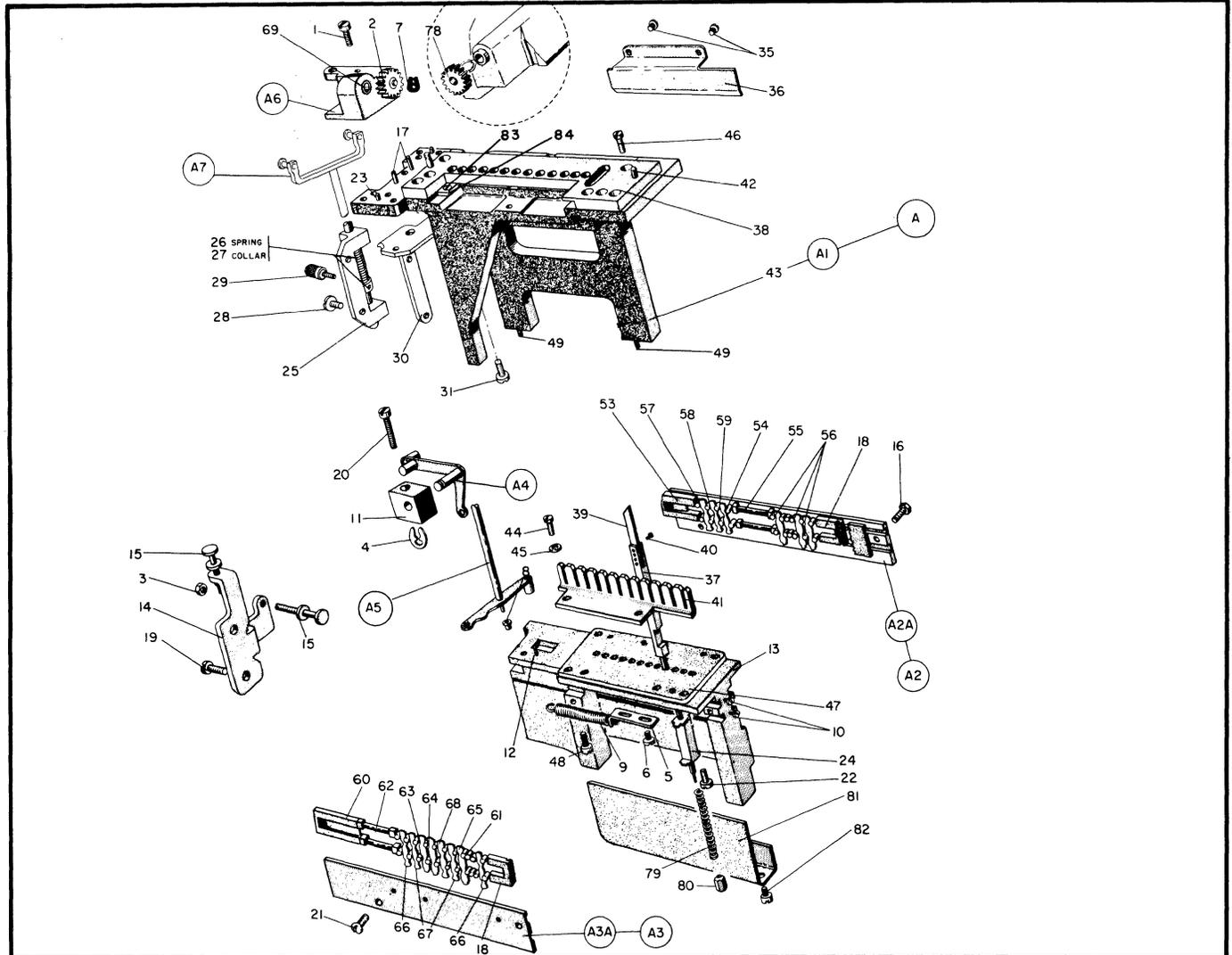
BRASS	- 305243
PAPER	- 228296

Sq. ALPHA "O" - OVAL ZERO

- A 228374 MAGNET ASM. - PRINT SUPPRESSION
- 1 305269 RESIDUAL
- 2 228368 RETAINER - ARMATURE
- 3 228370 SPRING - ARMATURE RETURN
- 4 115070 SPRING
- 5 38271 SCREW
- 6 11464 WASHER
- 7 314036 YOKE - MAGNET
- 8 228366 PIVOT - ARMATURE
- 9 163 SCREW - MAGNET COIL MTG.
- 10 294 SCREW - TERMINAL MTG.
- 11 478 NUT - TERMINAL
- 12 9667 BLOCK - MAGNET TERMINAL
- 13 17514 WASHER
- 14 228358 ARMATURE ASM. - PRINT SUPPRESS
- A1 228094 TERMINAL AND COIL ASM.
- A2 228094 TERMINAL AND COIL ASM.
- B 228450 FEED UNIT ASM. - RIBBON
- 16 123206 CLIP - SPRING
- 17 308165 SPACER - RATCHET WHEEL
- 18 228245 STUD - STOP PAWL PIVOT
- 19 10775 SCREW
- 20 2650 SCREW
- 21 147297 CLIP - SPRING
- 22 228375 WHEEL - RIBBON GUIDE
- 23 313939 GEAR - RIBBON SPOOL DRIVE
- 24 313937 SPRING - RIBBON SPOOL FRICTION
- 25 103372 NUT - ELASTIC STOP
- 26 110956 SPRING - DETENT
- 27 228256 PLATE - BEARING
- 29 228255 BRACKET - BEARING
- 30 75533 SCREW - SET
- 31 25282 CLIP - SPRING
- 32 288 SCREW
- 33 313938 PINION - RATCHET SHIFT
- 34 228260 DETENT - RIBBON FEED
- B1 301290 PAWL ASM. - RATCHET STOP
- B2 313922 SHAFT ASM. - RATCHET DRIVE
- B3 228233 SHAFT ASM. - RIBBON SPOOL DRIVE

- B4 313982 FRAME ASM. - LEFT RIBBON SIDE
- 313983 FRAME ASM. - RIGHT RIBBON SIDE
- B5 313935 SHAFT ASM. - RIBBON REVERSE
- B6 313927 FORK ASM. - FEED REVERSE
- C 300550 PRINT UNIT ASM.
- 43 228401 SHAFT - PRINT PLATE DRIVE
- 44 140738 SCREW - RIBBON GUIDE MTG.
- 45 60489 CLIP - RETAINING
- 46 147297 CLIP - RETAINING
- 47 228397 SCREW - SIDE PLATE RETAINING
- 48 228401 SHAFT - PRESSURE PLATE DRIVE
- 49 228402 HOLDER - PRESSURE PLATE SHIM
- 50 228412 PLATE - PRINT PRESSURE
- 51 228423 SHAFT - PRESSURE PLATE DRIVE ARM
- 52 228430 SHAFT - PRINT DRIVE CONNECTING ROD
- 53 228434 PLATE - PIVOT ADJ.
- 54 301213 SPRING - CODE PLATE RETURN
- 55 313936 GUIDE - RIBBON
- 56 228422 NUT - PRESSURE PLATE
- 57 2650 SCREW - ADJ. PLATE MTG.
- 58 2899 NUT - PIVOT ADJ. PLATE MTG.
- C1 300549 WIRE ASM. - PRINT UNIT
- 60 2650 SCREW
- 61 300546 FRAME - PRINT SIDE RIGHT
- 62 300547 FRAME - PRINT SIDE LEFT
- 63 312058 SCREW - WIRE GUIDE MTG.
- 64 313562 PLATE - WIRE GUIDE FRONT
- 65 313599 WICK - LUBRICATING
- 66 313615 PLATE - WIRE GUIDE REAR
- 67 314493 PLATE - WIRE RETURN
- 68 313592 PIN - LOCATING
- C1A 313557 COVER ASM. - TUBE
- C1B 313566 WIRE ASM. - PRINT
- C1C 313754 PLUNGER ASM. - CODE PLATE RET.
- C2 310826 ROD ASM. - PRINT DRIVE CONN.
- C3 228419 PLATE ASM. - ADJ. SCREW
- C4 228424 ARM ASM. - DRIVE

- C5 228431 LINK ASM. - CONNECTING
- C6 313924 PAWL ASM. - RATCHET FEED
- C7 310834 ARM ASM. - RATCHET FEED LEFT
- 310833 ARM ASM. - RATCHET FEED RIGHT
- G 228356 ARM ASM. - IDLER
- H 228361 ARM ASM. - PRINT
- J 228290 RIBBON & SPOOL ASM. - BLACK
- K 228287 ARM ASM. - SUPPRESSION
- PARTS NOT INCLUDED WITH SUB ASSEMBLIES
- 69 228292 SPOOL
- 71 314037 PLUG-REAR PRINT PUNCH
- 72 2300 SCREW - PRINT UNIT MTG.
- 78 228242 SPRING - SPOOL RETAINING
- 79 60488 CLIP - SPRING
- 80 156364 BEARING - PRINT
- 81 228616 SPRING - PRINT DRIVE
- 82 34512 SCREW - PLUG R. MTG.
- 83 60489 CLIP - CAM ROLLER SPRING
- 84 7341 NUT - PRINT SUPPRESS ADJ. ARM
- 85 310169 LINK - ECCENTRIC DRIVE
- 86 120571 WASHER - PRINT ARM
- 87 313132 BEARING - ECCENTRIC PRINT SUPPORT
- 88 228372 SCREW - ECCENTRIC BEARING
- 89 228373 WASHER - DRIVE ARM RET.
- 90 310171 SCREW - ADJ.
- 91 308208 FITTING - GREASE PRINT ARM
- 92 12132 SCREW - PRINT SUPPRESS MAGNET MTG.
- 94 110129 SPRING - PRINT BALL
- 95 141404 SPRING - PAWL STOP



- A 309639 PUNCH DIE & INTERPOSER ASM.
- 1 641 SCREW - CHIP DRIVE BRG. BLOCK
- 2 228276 GEAR - IDLER CHIP DRIVE
- 3 6503 NUT - LIGHT JAM STOP ADJ.
- 4 60489 CLIP - RETAINING
- 5 228386 BRACKET - INTERPOSER SPRING
- 6 140738 SCREW - HORIZONTAL SPRING ANCHOR
- 7 147297 CLIP - RETAINING
- 8 228403 BEARING - HORIZONTAL TORQUE RD.
- 9 228411 SPRING - HORIZONTAL DRIVE EXT.
- 10 228415 SCREW - PRINTER INTERPOSER ADJ.
- 11 228438 BEARING - SHIFT LEVER GUIDE
- 12 101926 PIN - DOWEL
- * 13 309993 FRAME - CODE POSITIONING
- 14 309998 BRACKET - STOP MOUNTING
- 15 309999 STOP - ADJUSTING
- 16 314494 SCREW - LOCKING
- 17 1092056 DOWEL - VERT. DR. ROD MTG.
- 18 228416 STOP-PRINT. INTERPOSER ADJ.
- 19 845 SCREW - BRKT. STOP MTG.
- 20 2032 SCREW
- 21 4236 SCREW
- 22 24752 SCREW
- 23 104696 DOWEL - INT. PLATE MTG.
- 24 340726 YOKE - INTERPOSER
- 25 300493 PLATE - VERT. DR. ROD GUIDE
- 26 300548 SPRING - VERT. DRIVE COMP.
- 27 300479 COLLAR - VERT. DR. SPRING RET.
- 28 42003 SCREW - VERT. DR. SPRING BEARING

- 29 300480 SCREW - VERT. DRIVE ROD COMP
- 30 300481 BRACKET - VERT. GD. PLATE MTG.
- 31 24752 SCREW
- A1 228301 GUIDE ASM. - DIE & PUNCH
- 35 38271 SCREW - RESTRAINING PLATE
- 36 313331 PLATE - PUNCH SUPPORT PIN RET.
- 37 313330 SUPPORT - PRINT PUNCH
- 38 228014 DIE
- 39 313329 PUNCH
- 40 228020 PIN - PUNCH SUPPORT
- 41 228270 COMB - PUNCH DRIVE ARM GUIDE
- 42 228016 PIN - DIE PUNCH GUIDE DOWEL
- 43 228015 GUIDE - PUNCH
- 44 77064 SCREW - GUIDE COMB
- 45 45639 WASHER - GUIDE COMB
- 46 2629 SCREW
- 47 314220 GUIDE - PRINT PUNCH
- 48 845 SCREW - PUNCH SUPPORT GUIDE
- 49 104696 PIN - PUNCH SUPPORT GUIDE DOWEL
- NS 198795 MATRIX
- A2 228354 INTERPOSER ASM. - VERTICLE
- 53 228389 BAR - VERTICLE SPACE
- 54 228417 ROLLER - PRINT INTERPOSER VERT.
- 55 228418 SPACER - PRINT INTERPOSER VERT.
- 56 228442 INTERPOSER - PRINT PLUS 4
- 57 228443 INTERPOSER - MINUS 1 V
- 58 228444 INTERPOSER - MINUS 2 V
- 59 228445 INTERPOSER - MINUS 3 V
- A2A 228378 PLATE ASM. - RIGHT PRINT INTER.GUIDE

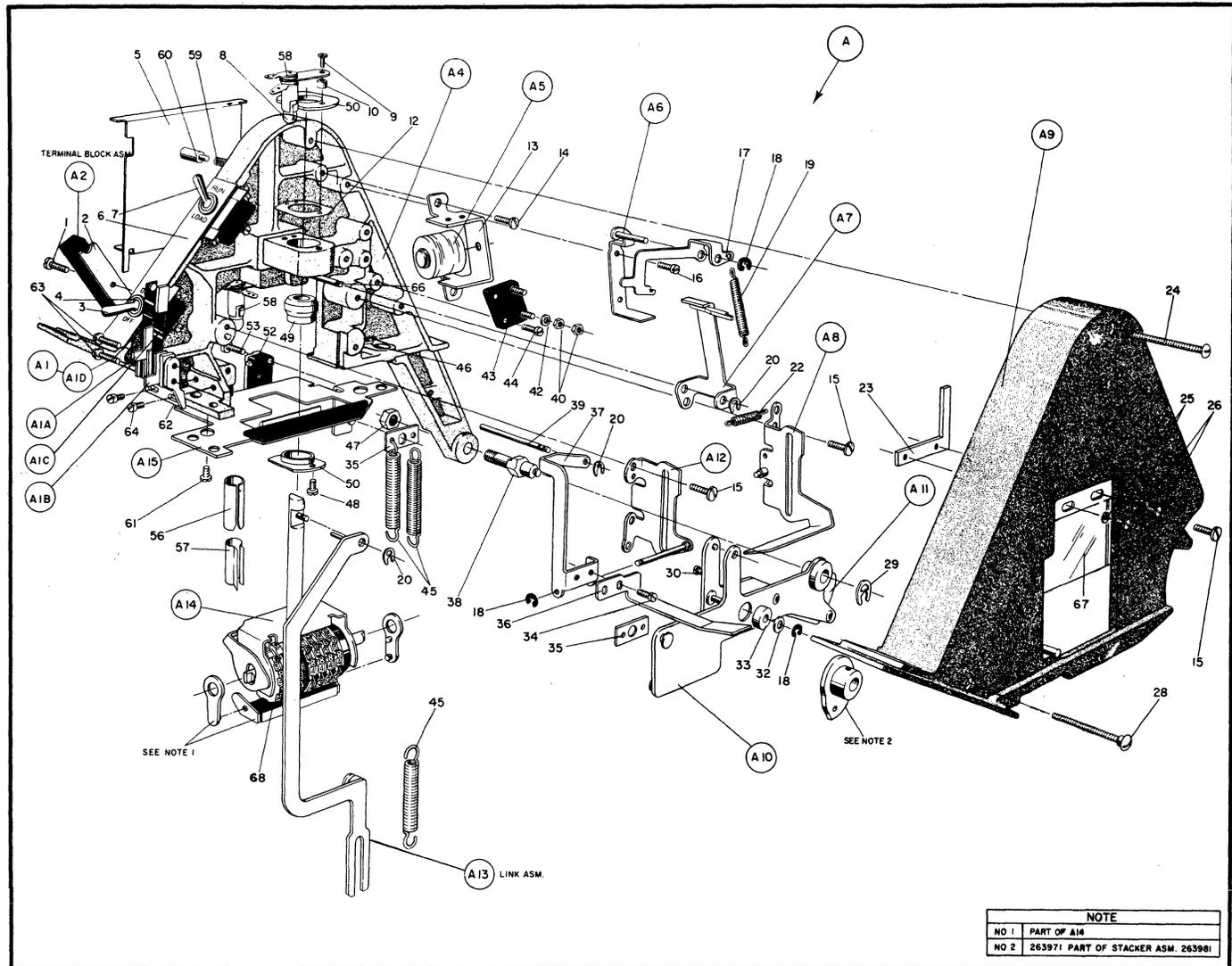
- A3 228355 INTERPOSER ASM. - HORIZONTAL
- 60 228414 BAR - HORIZONTAL SPACE
- 61 228417 ROLLER - PRINT INTER.HORIZONTAL
- 62 228418 SPACER - PRINT INTER.HORIZONTAL
- 63 228439 INTERPOSER - PRINT PLUS 1
- 64 228440 INTERPOSER - PRINT PLUS 2
- 65 228441 INTERPOSER - PRINT PLUS 3
- 66 228443 INTERPOSER - MINUS 1
- 67 228444 INTERPOSER - MINUS 2
- 68 228445 INTERPOSER - MINUS 3
- A3A 228381 PLATE ASM. - INTERPOSER GUIDE
- A4 309994 BELLCRANK ASM. - VERT.SHIFT
- A5 309996 LEVER ASM. - HORIZONTAL SHIFT
- A6 228278 BLOCK ASM. - CHIP DRIVE BEARING
- 69 228280 BEARING - CHIP DRIVE
- A7 300545 ROD ASM. - VERTICLE DRIVE

PARTS NOT INCLUDED WITH SUB ASSEMBLIES

- 78 310378 GEAR - CHIP TUBE AGITATOR
- 79 228410 SPRING - INTERPOSER SAFETY
- 80 228388 NUT - PUNCH SUPPORT SPRING RETAIN.
- 81 228413 COVER - POSITIONING GRAME
- 82 2300 SCREW - COVER
- 83 38429 SCREW - PLATEN
- 84 228304 PLATEN

* NOT RECOMMENDED FOR FIELD REPLACEMENT

End Print Unit



NOTE	
NO 1	PART OF A14
NO 2	263971 PART OF STACKER ASM. 263981

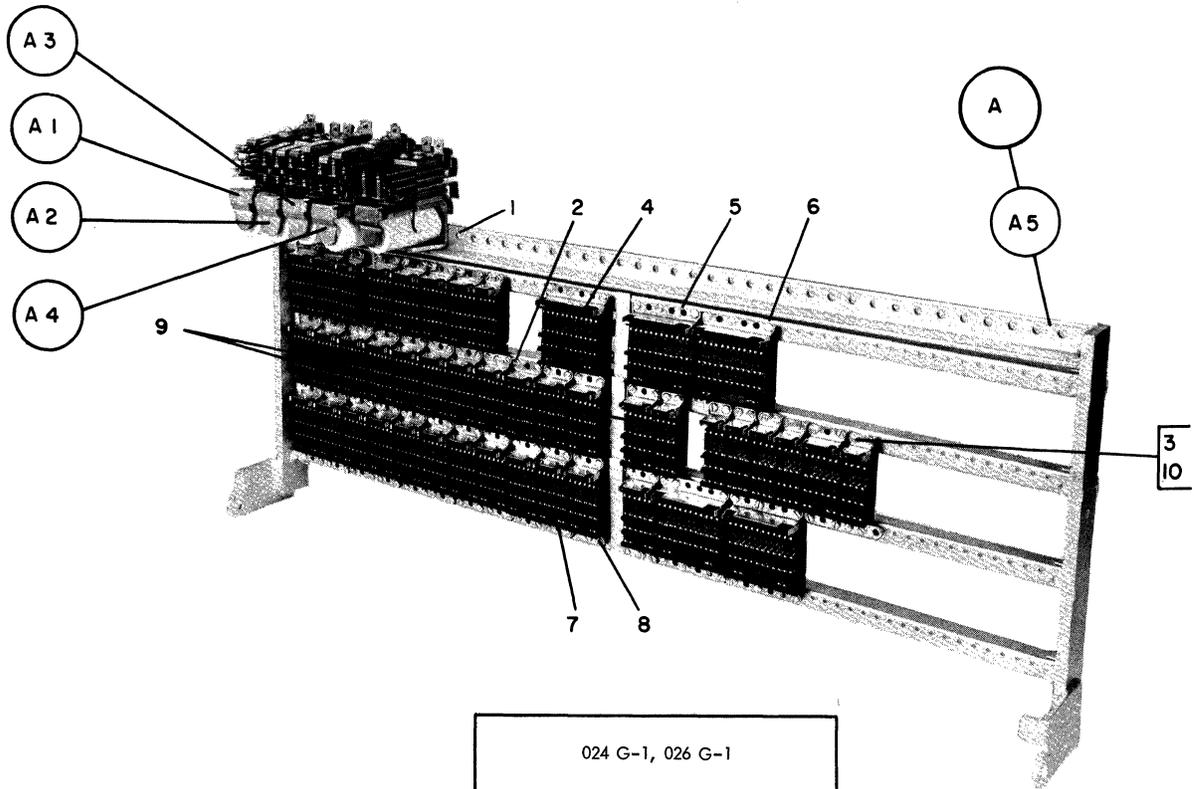
A	264008	PRINTING ASM- END
1	1500	SCREW
2	302131	INSULATOR - TERMINAL BLOCK
3	313246	SWITCH
4	179744	NUT
5	263985	DOOR - INK PAD SERVICING
6	263973	PLATE - END PRINTER SWITCH
7	128455	SWITCH
8	314760	BULB
9	120044	SCREW - PRINT UNIT BULB BRACKET
10	304027	SPACER - BULB BRACKET
12	263986	SHIM
13	228152	YOKE - MAGNET
14	845	SCREW - MAGNET HOLD DOWN
15	25627	SCREW
16	4236	SCREW - BRACKET LATCH
17	263994	LATCH - ARMATURE
18	25282	CLIP - SPRING
19	151116	SPRING - ARMATURE LATCH
20	247297	CLIP - SPRING
22	73679	SPRING
23	264811	STRAP
24	304476	SCREW - COVER
25	105047	LOCKWASHER - INTERNAL TOOTH
26	196298	SCREW
28	304477	SCREW
29	60488	CLIP - SPRING

30	2300	SCREW - CAM LEVER
32	130536	WASHER
33	159229	ROLLER
34	4236	SCREW
35	264560	PLATE - SPRING RETAINING
36	263988	ARM - END PRINTING CARD
37	263987	LEVER - END PRINTING CARD
38	263976	ECCENTRIC - LEVER PIVOT
39	263964	ROD - END PRINT DOOR STOP
40	478	NUT
42	17514	WASHER
43	9667	BLOCK - MAGNET TERMINAL
45	54208	SPRING
46	264020	LINER - NYLON
47	117281	NUT - LOCK
48	196698	SCREW
49	263957	BEARING - SELF ALIGNING
50	263956	RETAINER - BEARING
52	228093	SWITCH - MICRO
53	38266	SCREW
56	264220	SHIELD - LAMP
57	264565	INSULATOR - LAMP SHIELD
58	319259	SOCKET - PRINT UNIT BULB
59	100027	SPRING - DOOR LATCH
60	10231	PIN

61	23087	SCREW
A1	263975	CONTACT ASM.
62	263999	BRACKET
63	173215	SCREW
64	2300	SCREW
65	100134	INSULATION - SCREW
NS	11900	INSULATION
NS	2819	INSULATION
A1A	21866	TERMINAL ASM - CONTACT
A1B	138709	TERMINAL ASM - CONTACT
A1C	264001	CONTACT ASM - CARD LEVER
A1D	313681	CONTACT ASM - LOWER CARD LEVER
A2	302090	BLOCK ASM
A4	263996	FRAME ASM - PRINTING DEVICE END
66	263958	PIN - END PRINTING ARM
A5	228094	COIL ASM
A6	263997	BRACKET ASM - LATCH
A7	264808	ARM ASM - END PRINT LATCH
A8	263959	GUIDE ASM - R H PRINT UNIT
A9	264569	COVER ASM
67	263991	WINDOW - PANEL
A10	263982	LEVER ASM - CAM
A11	263983	LEVER ASM - CAM ADJUST
A12	263960	GUIDE ASM - L H PRINT UNIT
A13	263967	LINK ASM - END PRINT
A14	263969	PRINTER ASM - END
A15	263965	PLATEN ASM

PARTS NOT INCLUDED WITH SUB ASSEMBLIES

NS	263998	COVER ASM
NS	264022	TABLE TOP
NS	264545	STYLUS
NS	263974	STACKER - BED PLATE
68	264543	INK PAD



024 G-1, 026 G-1
 TUBE CHASSIS SHIELD 361993
 TUBE CHASSIS SHIELD STUD 361994

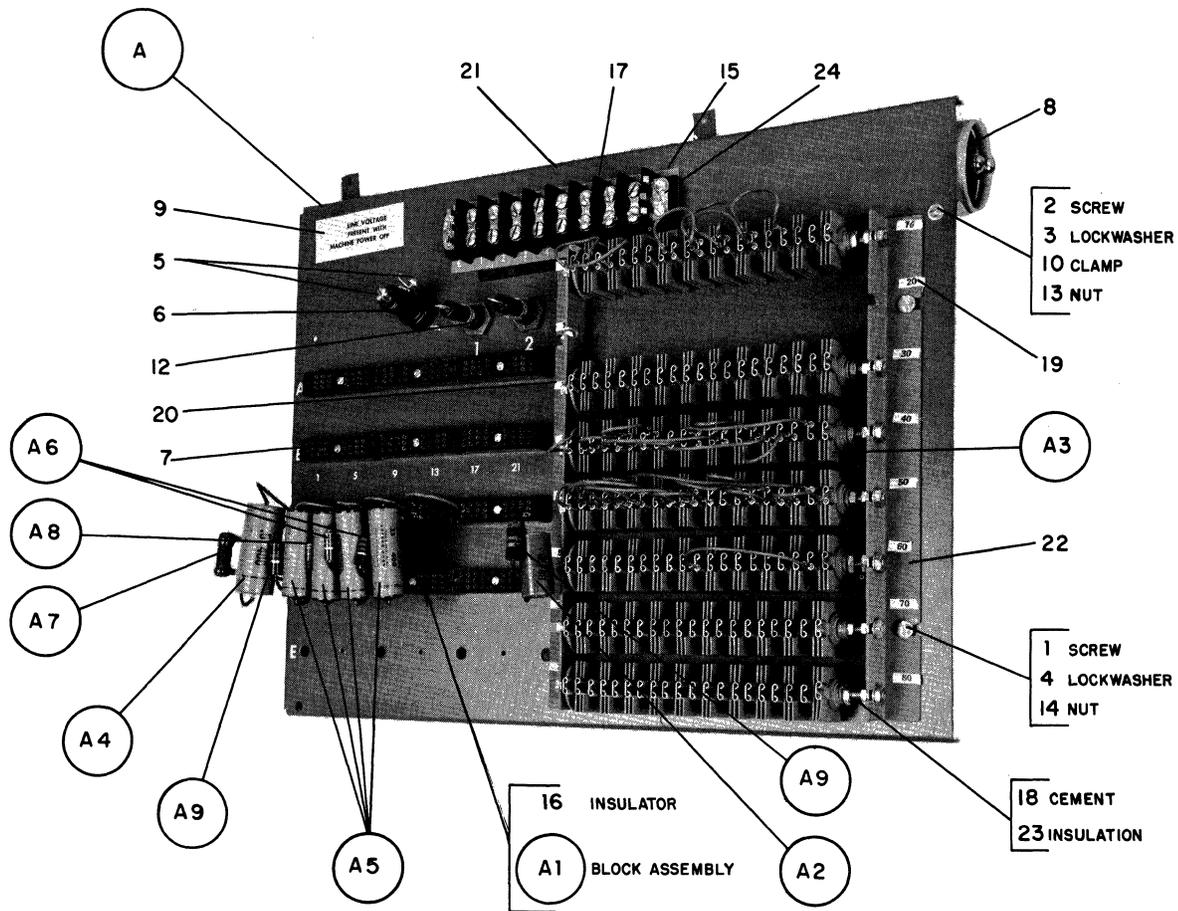
A	350313	RELAY GATE ASM. BASIC
1	2300	SCREW
2	22478	WASHER
3	159944	CLIP
4	159945	CLIP
5	159946	CLIP
6	198363	SCREW
7	284424	CLIP
8	308704	CLIP
9	325435	LABEL (1-50)
	325436	LABEL (51-100)
	325437	LABEL (101-150)
10	328616	CLIP
A1	127277	RELAY ASM. - 40 VOLT
A2	127700	RELAY ASM.
A3	111354	RELAY ASM.
A4	127050	RELAY ASM.
A5	369474	GATE ASM.

MOULDING ASSEMBLIES	
PART NO.	POSITIONS
159941	4
159942	6
159943	12

R. C. MOULDING ASSEMBLIES	
PART NO.	UNIT
328601	1 UNIT
328602	2 UNIT

RELAYS			
WIRE CONTACT RELAYS			
PART NO.	SIZE	COILS	NAME
186685	4	1	LATCH
196187	12	2	STANDARD
196196	6	1	STANDARD
196198	6	2	HRH STANDARD
196208	4	2	HRH STANDARD
255735	12	2	HRH STANDARD
328273	2	2	HIGH SPEED

Panel Asm - Model H



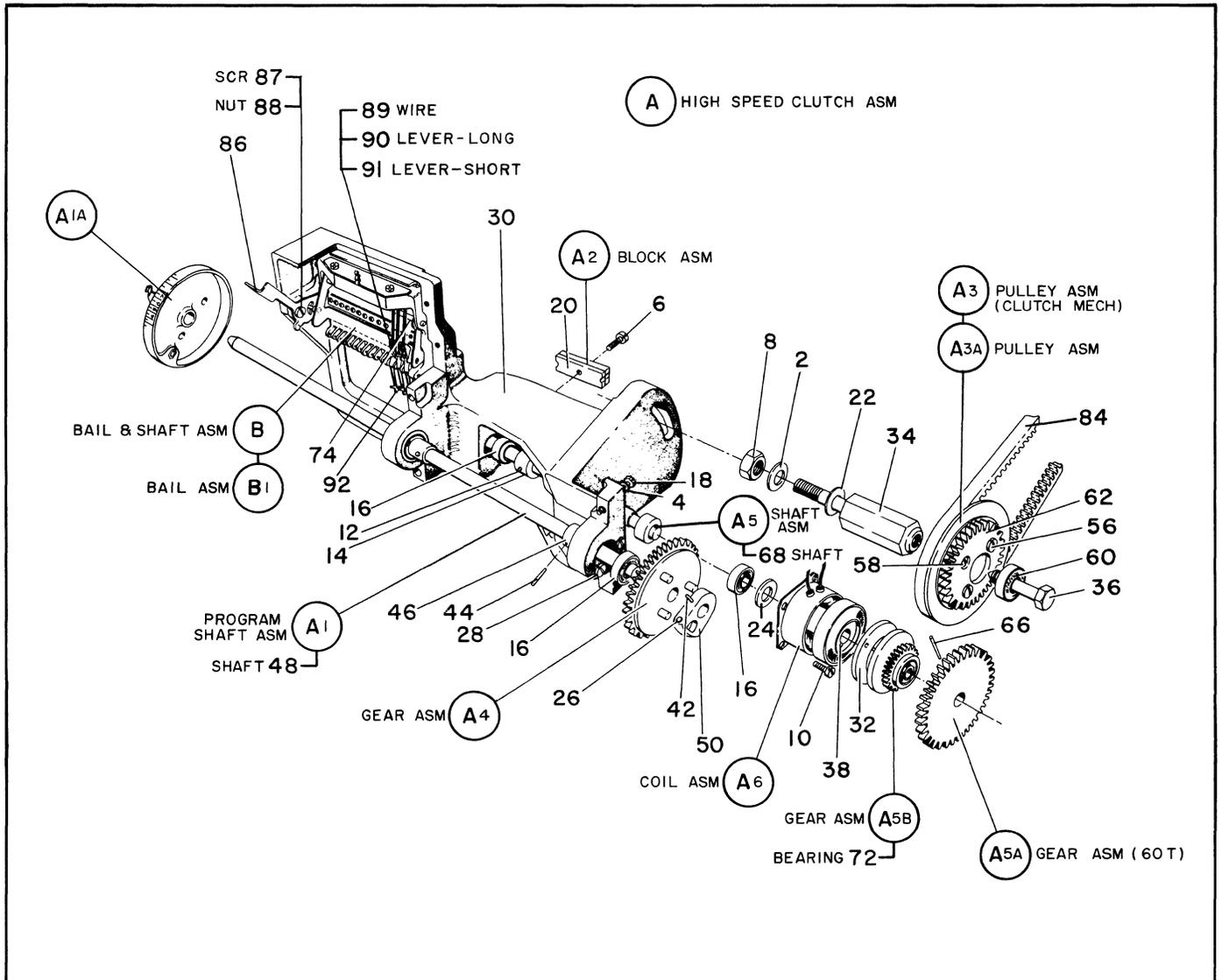
A	350311	PANEL ASM. BASIC
1	25627	SCREW
2	38352	SCREW
3	56722	LOCKWASHER
4	60646	LOCKWASHER
5	91610	SCREW
6	104615	MOUNT FUSE
7	112628	SCREW
8	134954	CAPACITOR 2000 MFD
9	138755	LABEL
10	167740	CLAMP
12	179946	HOLDER FUSE
13	257187	NUT
14	257189	NUT
15	263727	INSULATOR
16	302131	INSULATOR
17	315956	STRIP

18	317470	CEMENT
19	325435	LABEL (1-50)
	325436	LABEL (51-100)
21	350342	PANEL
22	350343	BRACKET
23	369072	INSULATION
24	441043	CLIP
A1	302090	BLOCK ASM.
A2	310919	CAPACITOR ASM. - 10MFD
A3	315903	STACK CBM
A4	315958	CAPACITOR ASM. .5MFD
A5	315960	CAPACITOR ASM. .25MFD
A6	315974	RESISTOR ASM. 180-OHM - 1W
A7	315976	RESISTOR ASM. 250-OHM - 5W
A8	338555	RESISTOR ASM. 330-OHM
A9	328451	RESISTOR ASM. 200-OHM -2W

RESISTOR	PART NO.
180 Ω 1 W	315974
250 Ω 5 W	315976
330 Ω	338555
200 Ω 2 W	328451

CAPACITOR	PART NO.
10 MFD	310919
.5 MFD	315958
.25 MFD	315960

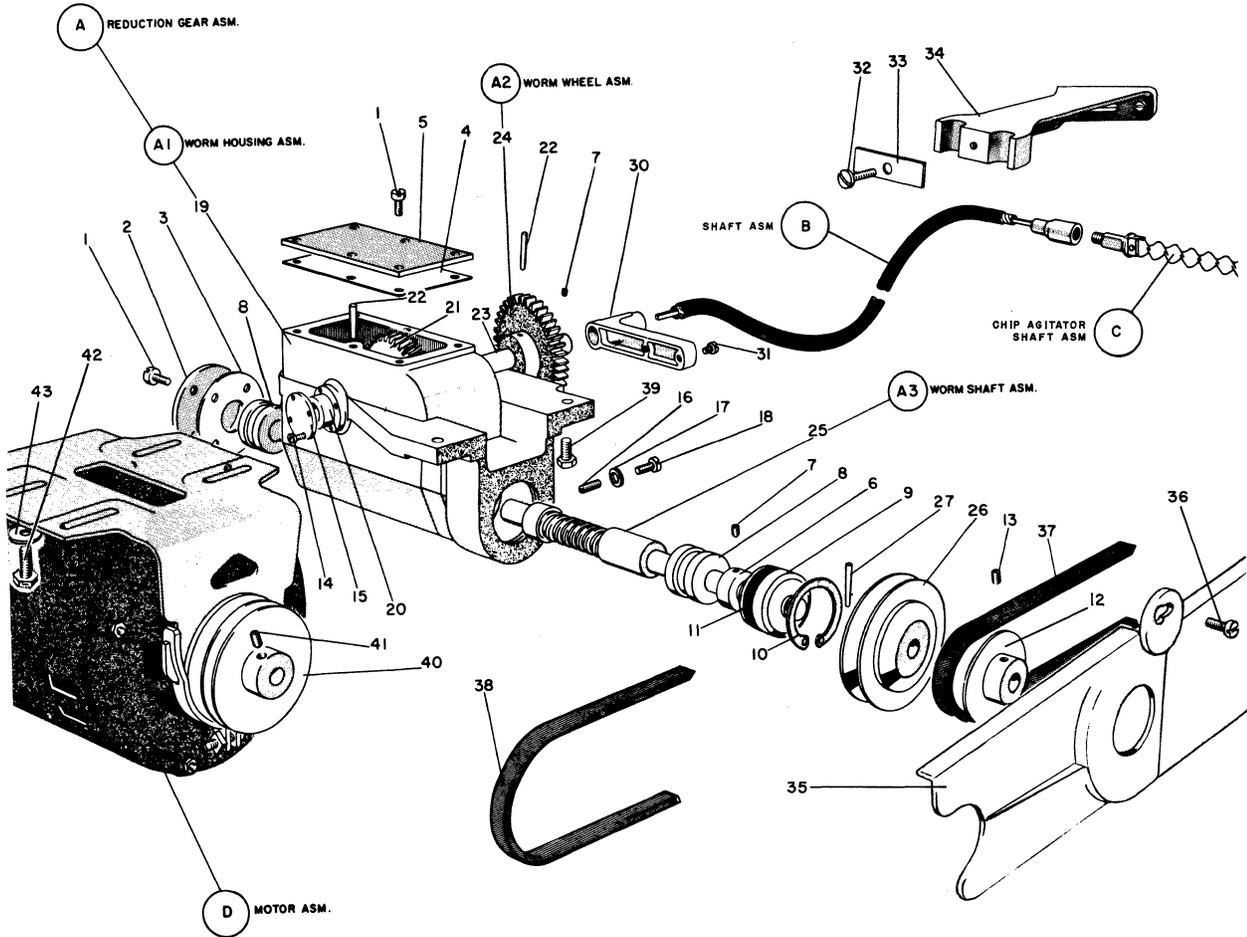
High Speed Clutch & Program Asm



A	345290	CLUTCH ASM-HIGH SPEED (90 VOLT)	34	345271	STUD-DRIVEN PULLEY	A4	345267	GEAR ASM-CLUTCH 44T & 56T
	345285	CLUTCH ASM HIGH SPEED (40 VOLT)	36	345278	SCREW-PULLEY PIVOT	A5	345282	SHAFT ASM-CLUTCH
2	453	WASHER-PULLEY ADJ STUD	38	1016329	KEY-CLUTCH MTG	66	4327	PIN-TAPER
4	9092	WASHER-CLUTCH BRACKET MTG	A1	228578	SHAFT ASM	68	345262	SHAFT-CLUTCH
6	24019	SCREW-TERMINAL BLOCK MTG	42	24695	PIN-SHAFT	A5A	345142	GEAR ASM-SPUR (60T)
8	24107	NUT-PULLEY ADJ STUD	44	29949	PIN-SHAFT COLLAR	A5B	345263	GEAR ASM-CLUTCH
10	38351	SCREW-CLUTCH MTG	46	139354	COLLAR-SHAFT RETAINING	72	110129	BEARING
12	75533	SCREW-HUB RETAINING SET	48	227903	SHAFT-PROGRAM DRUM	A6	345287	COIL ASM-CLUTCH (90V)
14	128834	HUB-CLUTCH SHAFT	50	228066	ARM-DRUM ADJUSTING		345286	COIL ASM-CLUTCH (40 VOLT)
16	156364	BEARING-SHAFT MTG	A1A	* 300954	WHEEL ASM-INDICATOR	B	309855	BAIL & SHAFT ASM
18	204616	SCREW-CLUTCH BRKT MTG	A2	302090	BLOCK ASM-TERMINAL	74	227904	SHAFT-BAIL
20	302131	INSULATION-TERMINAL BLOCK	A3	345265	PULLEY ASM-HS CLUTCH MECH	B1	309854	BAIL ASM
22	309608	SHIM-PULLEY ADJ STUD		56	25627	PARTS NOT INCLUDED WITH ASSEMBLIES		
24	336313	SPACER-CLUTCH ROTOR		58	38353	84	345276	BELT-COG
26	338013	SCREW-DRUM ADJUSTING		60	156364	86	228574	HANDLE-RELEASE BAIL
28	343728	SCREW-BEARING RETAINING		62	345251	87	150810	SCREW-PIVOT
30	345250	CASTING-HIGH SPEED CLUTCH		A3A	345258	88	7341	NUT-PIVOT
32	345259	ARMATURE				89	227863	WIRE-CONTACT
						90	227858	LEVER-LONG
						91	227874	LEVER-SHORT
						92	211985	WHEEL-STAR

* NOT RECOMMENDED FOR FIELD REPLACEMENT

Motor Drive Asm



A	228111	GEAR ASSEMBLY REDUCTION UNIT
1	24752	SCREW BEARING COVER
2	228122	COVER BEARING
3	228125	GASKET BEARING COVER
4	228123	GASKET HOUSING COVER
5	228124	COVER HOUSING
6	143009	COLLAR WORM SHAFT
7	165556	SET SCREW
8	228455	BEARING WORM SHAFT
9	228126	SEAL OIL
10	228133	RETAINER OIL SEAL
11	309593	SPACER
12	228127	PULLEY ADJUSTABLE
13	26380	SET SCREW
14	38250	SCREW
15	314159	BEARING THRUST
16	81404	SCREW SET WORM SHAFT BUSHING
17	40949	WASHER WORM SHAFT BUSHING
18	186759	SCREW WORM SHAFT BUSHING

A1	309597	WORM HOUSING ASSEMBLY
19	309596	HOUSING
20	228569	BEARING LH
NS	314160	BEARING RH
NS	133959	SEAL-WORM WH SHAFT OIL
A2	228118	WHEEL ASSEMBLY WORM
21	228121	WORM WHEEL
22	22867	PIN TAPER
23	314162	SHAFT WORM WHEEL
24	228120	GEAR FIRST DRIVE
A3	228115	SHAFT ASSEMBLY WORM
25	228116	SHAFT WORM
26	228117	PULLEY
27	22867	PIN TAPER
B	228486	SHAFT ASSEMBLY FLEXIBLE 024 ASM
	228281	SHAFT ASSEMBLY FLEXIBLE 026 ASM
C	228027	AGITATOR AND SHAFT ASM CHIP

D	305268	MOTOR 110V AC
	312450	MOTOR 230V AC
	314104	MOTOR 230V DC
	314489	MOTOR 110V DC

PARTS NOT INCLUDED WITH ASSEMBLIES

30	228491	BRACKET FLEXIBLE SHAFT
31	12954	SCREW
32	34512	SCREW BRACKET
33	228273	CLAMP FLEXIBLE SHAFT
34	228490	BRACKET UPPER FLEXIBLE SHAFT
35	228571	GUARD BELT
36	783	SCREW GUARD
37	228131	BELT PUNCH CLUTCH
38	228132	BELT DRIVE
39	129147	SCREW HEX
40	228130	PULLEY MOTOR_DRIVE
41	26380	SCREW SET PULLEY
42	38688	SCREW MOTOR MOUNTING
43	3550	WASHER MOTOR MOUNTING

Program Drum Features

MACHINE TYPE	FEATURE	STAR WHEEL POSITION USED									COMMON CONTACT STRIP			
		12	11	0	1	2	3	4	5	6		7	8	9
020	COMPUTER ENTRY DEVICE	X	X	X	X	X	V	X	X	X	X	X	V	337021
024	CARD ORDER CONVERTER NUMERICAL	X	X	X	X							X		337021
STANDARD	024	X	X	X	X									314373
	ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		314373
	VARIABLE LENGTH CD DEVICE	X	X	X	X									313266
	VARIABLE LENGTH CD DEVICE WITH ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		313266
	HIGH SPEED SKIP	⊗	X	X	X								V	313266
	HIGH SPEED SKIP WITH ALTERNATE PROGRAM	⊗	X	X	X			V	⊗	X	X	X	V	313266
	VARIABLE LENGTH CD DEVICE WITH HIGH SPEED SKIP	⊗	X	X	X								V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ALT PROG	⊗	X	X	X			V	⊗	X	X	X	V	313266
W/SELF CHECK	024	X	X	X	X				X	X	X			314373
	ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		314373
	VARIABLE LENGTH CD DEVICE	X	X	X	X					X	X			313266
	VARIABLE LENGTH CD DEVICE WITH ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		313266
	HIGH SPEED SKIP	⊗	X	X	X					X	X		V	313266
	HIGH SPEED SKIP WITH ALTERNATE PROGRAM	⊗	X	X	X			V	⊗	X	X	X	V	313266
	VARIABLE LENGTH CD DEVICE WITH HIGH SPEED SKIP	⊗	X	X	X					X	X		V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ALT PROG	⊗	X	X	X			V	⊗	X	X	X	V	313266
STANDARD	026	X	X	X	X	V	V							313266
	ALTERNATE PROGRAM	X	X	X	X	V	V	X	X	X	X	V	V	313266
	VARIABLE LENGTH CARD DEVICE	X	X	X	X	V	V							313266
	VARIABLE LENGTH CD DEVICE WITH ALTERNATE PROGRAM	X	X	X	X	V	V	X	X	X	X	V	V	313266
	HIGH SPEED SKIP	⊗	X	X	X	V	V						V	313266
	HIGH SPEED SKIP WITH ALTERNATE PROGRAM	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266
	VARIABLE LENGTH CD DEVICE WITH HIGH SPEED SKIP	⊗	X	X	X	V	V						V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ALT PROG	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266
W/SELF CHECK	026	X	X	X	X	V	V	X	X	X	X	V	V	313266
	ALTERNATE PROGRAM	X	X	X	X	V	V	X	X	X	X	V	V	313266
	VARIABLE LENGTH CD DEVICE	X	X	X	X	V	V		X	X				313266
	VARIABLE LENGTH CD DEVICE WITH ALTERNATE PROGRAM	X	X	X	X	V	V	X	X	X	X	V	V	313266
	HIGH SPEED SKIP	⊗	X	X	X	V	V		X	X			V	313266
	HIGH SPEED SKIP WITH ALTERNATE PROGRAM	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266
	VARIABLE LENGTH CD DEVICE WITH HIGH SPEED SKIP	⊗	X	X	X	V	V		X	X			V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ALT PROG	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266
027		X	X	X	X			V	X	X	X	X		345096 (*)
028		X	X	X	X	V	V	V	X	X	X	X		345096 (*)
046	NO KEYBOARD - NO SPECIAL FEATURES	X	X	X	X									314373 (*)
	ADDITIONAL PROGRAM EXITS	X	X	X	X				X	X	X	X		314373 (*)
047	NO KEYBOARD - NO SPECIAL FEATURES	X	X	X	X									314373 (*)
	ADDITIONAL PROGRAM EXITS	X	X	X	X				X	X	X	X		314373 (*)
	WITH KEYBOARD FEATURE ONLY	X	X	X	X	X	X							314373 (*)
	WITH KEYBOARD AND ADDITIONAL PROGRAM EXITS	X	X	X	X	X	X	X	X	X	X	X		314373 (*)
	WITH KEYBOARD AND ALTERNATE PROGRAM	X	X	X	X	X	X	X	X	X	X	X	X	314373 (*)
056		X	X	X	X									314373
	ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		314373
	ELIMINATE OPTION	X	X	X	X	V	V							313266
	ALTERNATE PROGRAM WITH ELIMINATE OPTION	X	X	X	X	V	V	X	X	X	X	V	V	313266
	VARIABLE LENGTH CD DEVICE	X	X	X	X									313266
	VARIABLE LENGTH CD DEVICE WITH ALTERNATE PROGRAM	X	X	X	X				X	X	X	X		313266
	VARIABLE LENGTH CD DEVICE W/ALT PROG W/ELIM OPT	X	X	X	X	V	V	X	X	X	X	V	V	313266
	VARIABLE LENGTH CD DEVICE WITH ELIMINATE OPTION	X	X	X	X	V	V							313266
	HIGH SPEED SKIP	⊗	X	X	X								V	313266
	HIGH SPEED SKIP WITH ALTERNATE PROGRAM	⊗	X	X	X			V	⊗	X	X	X	V	313266
	HIGH SPEED SKIP WITH ELIMINATE OPTION	⊗	X	X	X	V	V						V	313266
	HIGH SPEED SKIP WITH ELIM OPT WITH ALT PROGRAM	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266
	VARIABLE LENGTH CARD DEVICE WITH HIGH SPEED SKIP	⊗	X	X	X								V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ALT PROG	⊗	X	X	X			V	⊗	X	X	X	V	313266
	VARIABLE LENGTH CD DEVICE W/HIGH SPEED SKIP W/ ELIM OPT	⊗	X	X	X	V	V						V	313266
VAR LG CD DEVICE W/HIGH SPEED SKIP W/ALT PROG W/ E OPT	⊗	X	X	X	V	V	⊗	X	X	X	V	V	313266	
065		X	X	X	X	V	V	X	X	X	X	X	X	338546 (*)
066		X	X	X	X	V	V	X	X	X	X	X	X	338546 (*)
526		X	X	X	X	V	V							313266 (*)
	ALTERNATE PROGRAM	X	X	X	X	V	V	X	X	X	X	V	V	313266 (*)
534		X	X	X	X				X	X	X	X		314373 (*)
536		X	X	X	X	V	V	X	X	X	X	V	V	313266 (*)
824		X	X	X	X				X	X	X			314373
	PROGRAM CONTROL WITH DRUM CONTROL OPT	X	X	X	X	X	X	X	X	X	X	X	X	314373
826		X	X	X	X	V	V	X	X	X	X	V	V	313266
	PROGRAM CONTROL WITH DRUM CONTROL OPT	X	X	X	X	X	X	X	X	X	X	X	X	314373
544		X	X	X	X	V	V	X	X	X	X	V	V	313266 (*)
546		X	X	X	X	V	V	X	X	X	X	V	V	313266 (*)

LEGEND:

- (*) USE ONE CONTACT STRAP PART NUMBER 328468 IN EACH STAR WHEEL POSITION
- X LONG SENSING ARM LEVER ASM. 227858
- V SHORT SENSING ARM LEVER ASM. 227874
- ⊗ POSITIONS WITH ENCIRCLED LEVER ASM. SYMBOLS USE THREE CONTACT WIRES PART NO. 227863
- ALL OTHER POSITIONS USE TWO CONTACT WIRES. PART NO. 227863

COMMON CONTACT STRIP	NUMBER STAMPED ON STRIP
314373	NONE
313266	1
338546	2
337021	3
345096	4

Keyboards & Cams

024 KEYBOARDS

Wiring Diagram	Combination Keyboard	Numeric Keyboard
228001 Thru 228001 - P	313826	312340
228001 - R	266521	266618
228001 - S & T	310898 *	310899 *
228001 - S & T	341364 **	341363 **
228001 - U	341253	341252

026 KEYBOARDS

Wiring Diagram	Combination Keyboard	Numeric Keyboard
228005 Thru 228005 - M	313826	312340
228005 - N	266521	266618
228005 - P	310898 *	310899 *
228005 - P	341364 **	341363 **
228005 - R	341253	341252

* Painted

** Vinyl

CAM CHART		024-26 STANDARD		
No.	Cam	Size	Make	Break
1	309629	285°		
2	309629	285°		
3	309631	80°		
4	309631	80°	16°	96°

CAM CHART		024-26 VLCD		
No.	Cam	Size	Make	Break
1				
2	264161	335°	85° ± 2°	60° ± 5°
3	309631	80°	170° ± 2°	250° ± 5°
4	309631	80°	95° ± 2°	175° ± 5°

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		15- 9
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221		5- 20
232		1- 10
244		9- 42
288		15- 32
292		9- 1
294		6- 20
		15- 10
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2032		2- 98
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		20- 1
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		3- 69
		4- 2
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