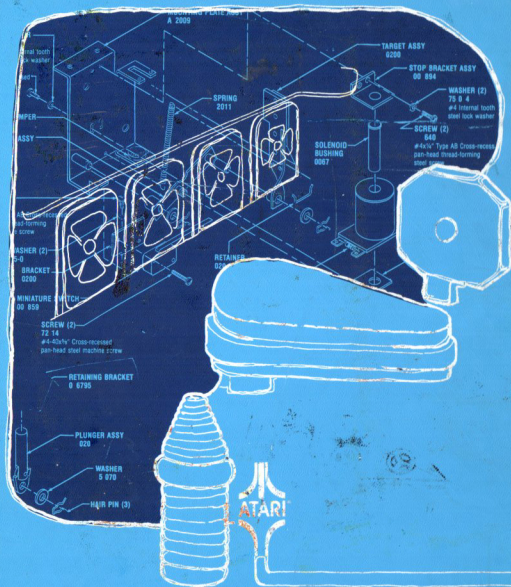




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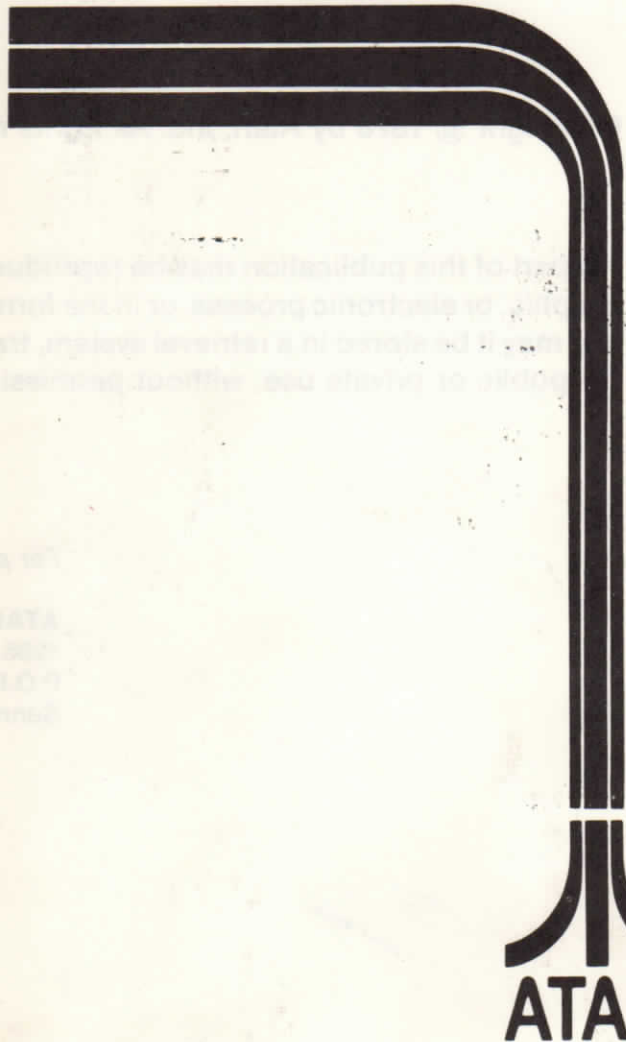
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ATARI PINBALL GAMES
Illustrated Parts Catalog

Pinball Games Illustrated Parts Catalog

ATARI INC
1265 BORREGAS AVENUE
P.O. BOX 9027
SUNNYVALE, CALIFORNIA 94086
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FINAL LOCATION ASSEMBLY

THE ATARIANS

AIRBORNE AVENGER

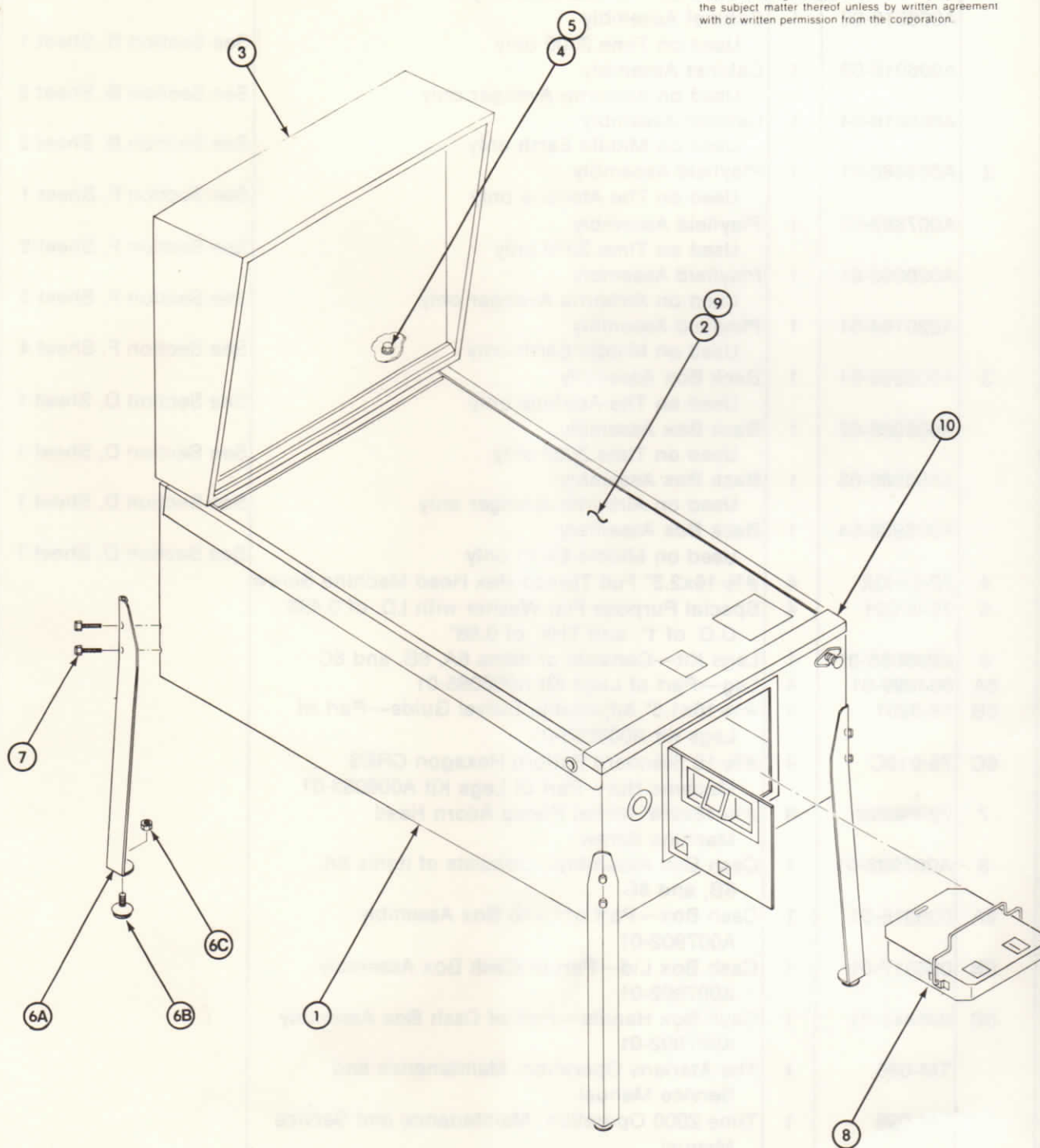
TIME 2000

A006015-01 thru -09
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Section **A**
Sheet 1

March 10 78

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FINAL LOCATION ASSEMBLY

AIRBORNE AVENGER

TIME 2000

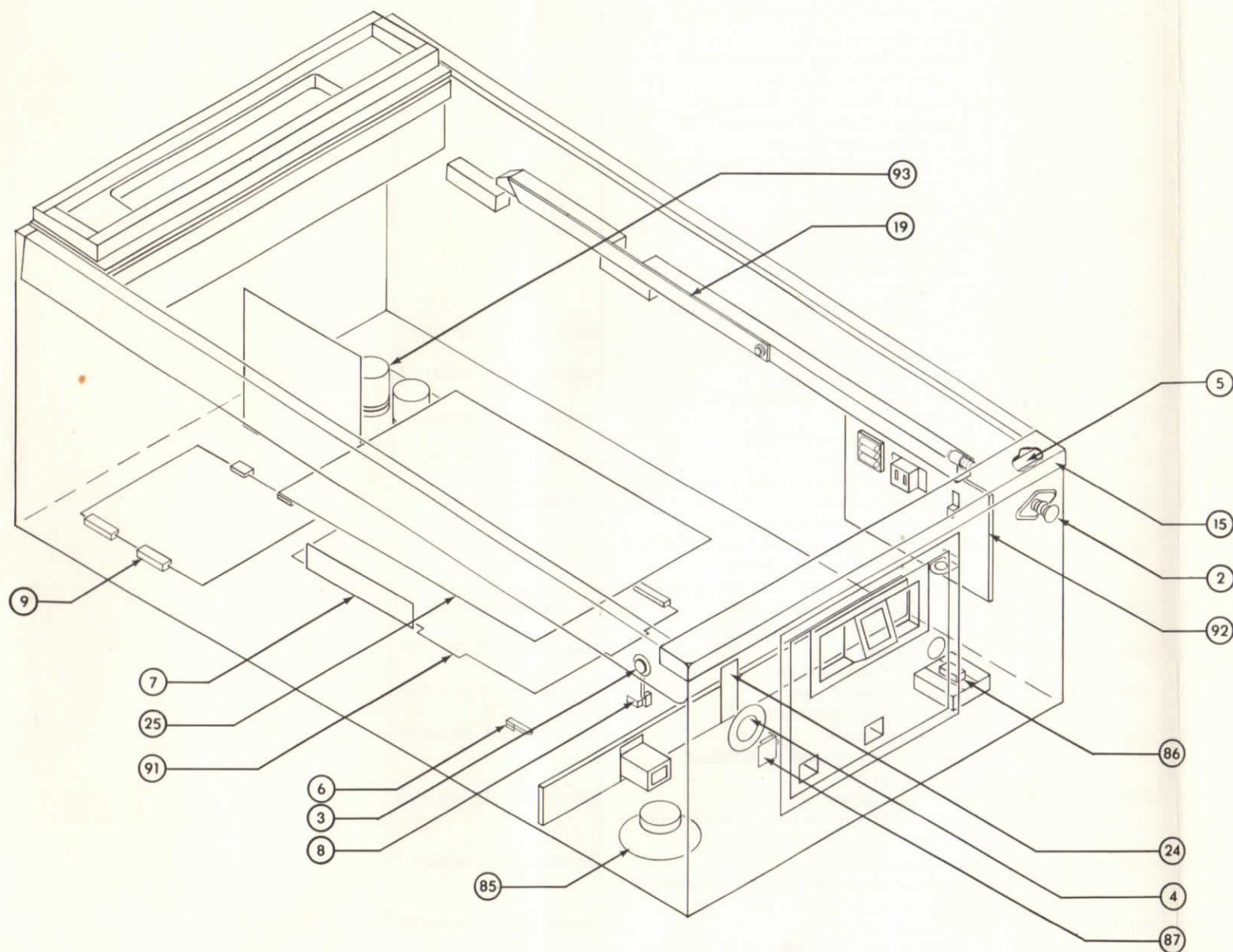
THE ATARIANS

A006015-01 thru -09
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Section **A**
Sheet 1

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
1	A006016-01	1	Cabinet Assembly Used on The Atarians only	See Section B, Sheet 1
	A006016-02	1	Cabinet Assembly Used on Time 2000 only	See Section B, Sheet 1
	A006016-03	1	Cabinet Assembly Used on Airborne Avenger only	See Section B, Sheet 2
	A006016-04	1	Cabinet Assembly Used on Middle Earth only	See Section B, Sheet 2
2	A005988-01	1	Playfield Assembly Used on The Atarians only	See Section F, Sheet 1
	A007852-01	1	Playfield Assembly Used on Time 2000 only	See Section F, Sheet 2
	A020002-01	1	Playfield Assembly Used on Airborne Avenger only	See Section F, Sheet 3
	A020164-01	1	Playfield Assembly Used on Middle Earth only	See Section F, Sheet 4
3	A006986-01	1	Back Box Assembly Used on The Atarians only	See Section D, Sheet 1
	A006986-02	1	Back Box Assembly Used on Time 2000 only	See Section D, Sheet 1
	A006986-03	1	Back Box Assembly Used on Airborne Avenger only	See Section D, Sheet 1
	A006986-04	1	Back Box Assembly Used on Middle Earth only	See Section D, Sheet 1
4	72-5440X	4	# $\frac{3}{8}$ -16x2.5" Full Thread Hex Head Machine Screw	
5	75-07031	4	Special Purpose Flat Washer with I.D. of 0.436", O.D. of 1", and THK. of 0.88"	
6	A006085-01	1	Legs Kit—Consists of items 6A, 6B, and 6C	
6A	004999-01	4	Leg—Part of Legs Kit A006085-01	
6B	78-3201	4	# $\frac{3}{8}$ -16x1.5" Adjustable Swivel Guide—Part of Legs Kit A006085-01	
6C	75-919C	4	# $\frac{3}{8}$ -16 Standard Pattern Hexagon CRES Machine Nut—Part of Legs Kit A006085-01	
7	72-P938N	8	# $\frac{3}{8}$ -16x2 $\frac{3}{8}$ " Nickel Plated Acorn Head Machine Screw	
8	A007902-01	1	Cash Box Assembly—Consists of items 8A, 8B, and 8C	
8A	006316-01	1	Cash Box—Part of Cash Box Assembly A007902-01	
8B	006317-01	1	Cash Box Lid—Part of Cash Box Assembly A007902-01	
8C	006445-01	1	Cash Box Handle—Part of Cash Box Assembly A007902-01	
	TM-086	1	The Atarians Operation, Maintenance and Service Manual	
	TM-099	1	Time 2000 Operation, Maintenance and Service Manual	
	TM-102	1	Airborne Avenger Operation, Maintenance and Service Manual	
	TM-108	1	Middle Earth Operation, Maintenance and Service Manual	

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ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
2	A004769-01 75-940S	1	Ball Shooter	See Section C, Sheet 1
		2	#10-32 Polymer Self-Locking Hex Nut Used for attaching Ball Shooter	
3	A004910-01 72-6608S	2	Flipper Button	See Section C, Sheet 11
		4	#6x1/2" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for mounting Flipper Buttons	
4	A007010-01 020436-01 75-5820B 75-948S	1	Start Button	See Section C, Sheet 18
		1	Start Button Safety Cover Used to cover Wire-Terminals	
		4	#8-32x1 1/4" Black Steel Square-Neck Round-Neck Carriage Bolt Used for attaching Start Button	
		4	#4-32 Polymer Self-Locking Steel Hex Nut Used for attaching Start Button	
5	A005956-01 72-6810S	1	Locking Base Assy	
		6	#6x5/8" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Locking Base Assy	
6	A004742-01 72-6412S	1	Slam-Switch Assy	
		2	#4x3/4" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Slam-Switch Assy	
7	A020383-01	1	Fuse Board Used on The Atarians only	
7	A020383-03	1	Fuse Board Used on Time 2000 only	
7	A020383-04	1	Fuse Board Used on Airborne Avenger only	
8	A006071-01 72-6608S	1	Flipper Button Switch	
		4	#6x1/2" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Flipper Button Switches	
9	A006407-01 006762-01 72-1608S 75-016S 75-946S 72-6810S 75-018S	1	Auxiliary PCB	See Section C, Sheet 36
		4	Shockmount Spring Used for mounting Auxiliary PCB	
		4	#6-32x1/2" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Auxiliary PCB to Shockmount Spring	
		4	#6 Regular Pattern Plain Flat-Washer Used for attaching Auxiliary PCB to Shockmount Spring	
		4	#6-32 Polymer Self-Locking Steel Hex Nut Used for attaching Auxiliary PCB to Shockmount Spring	
		4	#8x5/8" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Shockmount Spring to Cabinet	
		4	#8 Regular Pattern Plain Flat-Washer Used for attaching Shockmount Spring to Cabinet	



CABINET ASSEMBLY

THE ATARIANS

TIME 2000

A006016-01
and -02



CABINET ASSEMBLY
THE ATARIANS
TIME 2000

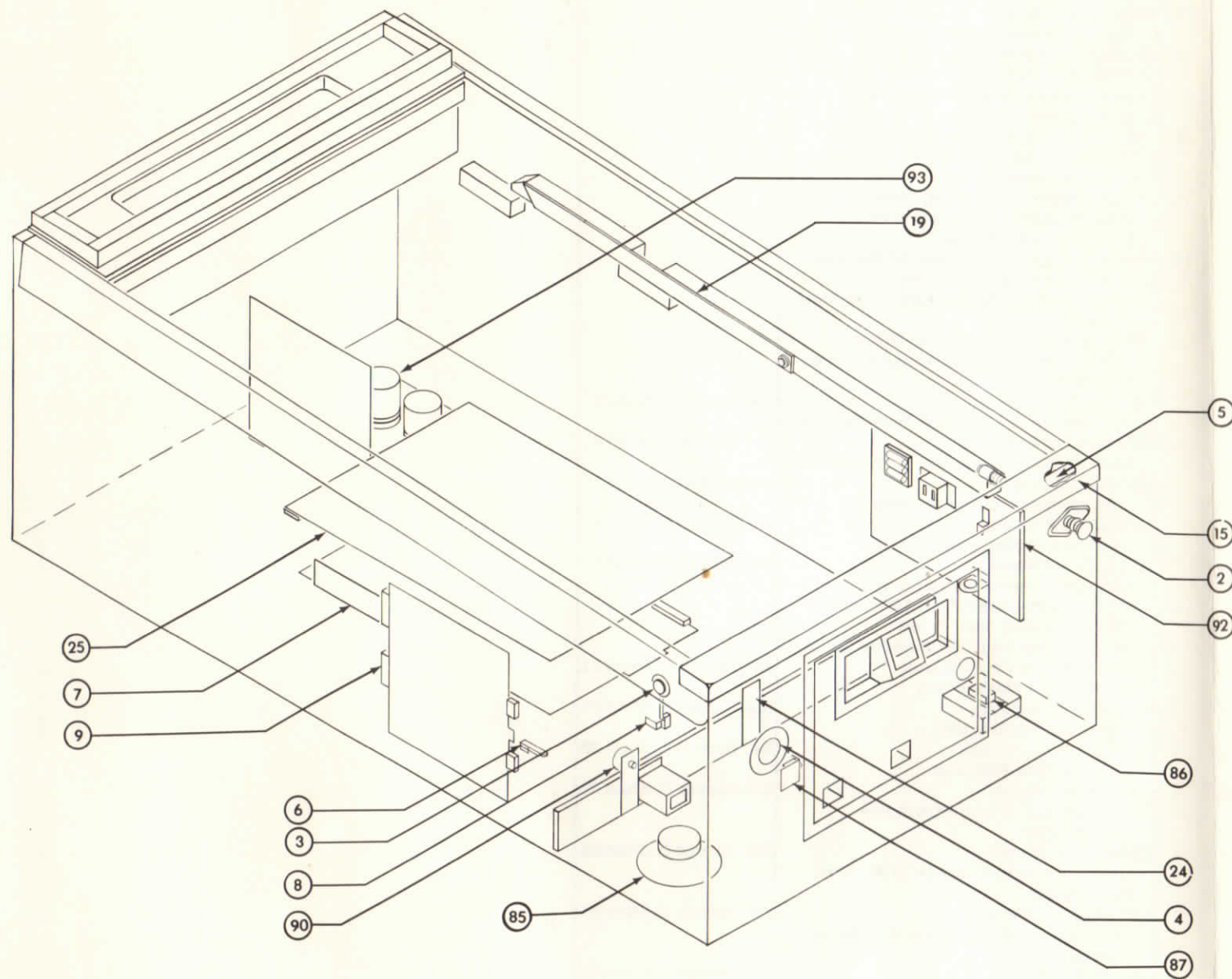
A006016-01
and -02

Section B
Sheet 1

March 1978

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
19	004898-01	2	Support Arm	
	004902-01	2	Flange Bushing Used for attaching Support Arm	
	72-6820S	2	#8x1¼" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Support Arm thru Flange Bushing and into Cabinet	
	020440-01	1	Right Stay Arm Bracket Used to support Support Arm	
	020440-02	1	Left Stay Arm Bracket Used to support Support Arm	
24	72-6608S	2	#6x½" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for mounting right and left Stay Arm Brackets	
	006719-01	1	Cash Box Locking Strap	
	75-B612	2	#6x¾" Phillips Flat-Head Type AB Sheetmetal Screw Used for attaching Cash Box Locking Strap	
	75-015S	4	#¼ Regular Pattern Steel Plain Flat-Washer Used for attaching Cash Box Locking Strap	
	00788-01	1	Black Plastic Processor PCB Shield Never put game into operation without PCB Shield in place	
27	006019-01	4	Retaining Bracket Used for mounting Black Plastic Processor PCB Shield	
	72-1804S	4	#8-32x¼" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Black Plastic Processor PCB Shield to Retaining Brackets	
	75-018S	4	#8 Regular Pattern Plain Steel Flat-Washer Used for attaching Black Plastic Processor PCB Shield to Retaining Brackets	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Retaining Brackets to Cabinet	
	48-004	1	5", 8 ohm, Speaker	
85	000869-01	1	Speaker Grill	
	72-1608S	4	#6-32x½" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Speaker and Speaker Grill	
	75-056	4	#6 Internal-Tooth Steel Lock-Washer Used for attaching Speaker and Speaker Grill	
	61-062A	1	15Amp @ 125 VAC General Purpose Toggle Switch—Cherry #E69-50A	
	006450-01	1	Switch Plate Used for mounting Toggle Switch	
86	72-6810S	2	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Switch Plate to Cabinet	
	020435-01	1	Power ON/OFF Safety Switch Cover	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw	
	68-002	1	30Amp Interlock Switch—Cherry #E79-30A	
	000268-02	1	Interlock Switch Mounting Bracket	
87	72-6810S	2	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Mounting Bracket to Cabinet	
	020435-02	1	Interlock Switch Safety Cover	
	75-B612	1	#6x¾" Phillips Flat-Head Type AB Sheetmetal Screw Used for attaching Interlock Switch Safety Cover	

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
91	A006020-01	1	The Atarians Processor PCB	See Section C, Sheet 40
91	A006020-03	1	Time 2000 Processor PCB	See Section C, Sheet 41
91	A006020-04	1	Airborne Avenger Processor PCB	See Section C, Sheet 42
91	A006020-05	1	The Atarians Processor PCB	See Section C, Sheet 40
91	A006020-06	1	Time 2000 Processor PCB	See Section C, Sheet 41
91	A006020-07	1	Airborne Avenger Processor PCB	See Section C, Sheet 42
91	A006020-10	1	Time 2000 Processor PCB	See Section C, Sheet 41
	006762-01	4	Shockmount Spring Used for mounting Processor PCB	
	72-1608S	4	#6-32x½" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Processor PCB to Shockmount Springs	
	75-016S	4	#6 Regular Pattern Plain Flat-Washer Used for attaching Processor PCB to Shockmount Springs	
	75-946S	4	#6-32 Polymer Self-Locking Steel Hex Nut Used for attaching Processor PCB to Shockmount Springs	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Shockmount Springs to Cabinet	
	75-018S	4	#8 Regular Pattern Plain Flat-Washer	
	A006728-01	1	95/117V Tilt Board Used on The Atarians and Time 2000 only	See Section C, Sheet 6
	A006728-02	1	205/220V Tilt Board Used on The Atarians and Time 2000 only	See Section C, Sheet 6
	A006728-03	1	95/117V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
	A006728-04	1	205/220V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
	A006728-05	1	205/220V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
	72-6616	4	#6x1" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Tilt Board to Cabinet	
93	A006032-01	1	95/117/205/220V Power Supply Used on The Atarians only	See Section C, Sheet 21
93	A006020-02	1	95/117V Power Supply Used on Time 2000 only	See Section C, Sheet 22
93	A006020-03	1	205/220V Power Supply Used on Time 2000 only	See Section C, Sheet 22
93	A006020-04	1	117V Power Supply Used on U.S. version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-05	1	220V Power Supply Used on European version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-06	1	220V Power Supply Used on Australian version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-07	1	95V Power Supply Used on Japanese version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-08	1	220V Power Supply Used on English version of Airborne Avenger only	See Section C, Sheet 23
	72-B512	4	#¼-20x¾" Hex-Head Steel Bolt Used for attaching Power Supply to Cabinet	
	75-045	4	#¼" CRES Split Lock-Washer Used for attaching Power Supply to Cabinet	
	75-015S	4	#¼ Regular Pattern Plain Steel Flat-Washer Used for attaching Power Supply to Cabinet	



ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
2	A004769-01 75-940S	1	Ball Shooter	See Section C, Sheet 1
		2	#10-32 Polymer Self-Locking Hex Nut Used for attaching Ball Shooter	
3	A004910-01 72-6608S	2	Flipper Button	See Section C, Sheet 11
		4	#6x1/2" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for mounting Flipper Buttons	
4	A007010-01 020436-01 75-5820B 75-948S	1	Start Button	See Section C, Sheet 18
		1	Start Button Safety Cover Used to cover Wire-Terminals	
		4	#8-32x1 1/4" Black Steel Square-Neck Round-Neck Carriage Bolt Used for attaching Start Button	
		4	#4-32 Polymer Self-Locking Steel Hex Nut Used for attaching Start Button	
5	A005956-01 72-6810S	1	Locking Base Assy	
		6	#6x5/8" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Locking Base Assy	
6	A004742-01 72-6412S	1	Slam-Switch Assy	
		2	#4x3/4" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Slam-Switch Assy	
7	A020383-01	1	Fuse Board Used on The Atarians only	
7	A020383-03	1	Fuse Board Used on Time 2000 only	
7	A020383-04	1	Fuse Board Used on Airborne Avenger only	
8	A006071-01 72-6608S	1	Flipper Button Switch	
		4	#6x1/2" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Flipper Button Switches	
9	A006407-01 006762-01 72-1608S 75-016S 75-946S 72-6810S 75-018S	1	Auxiliary PCB	See Section C, Sheet 36
		4	Shockmount Spring Used for mounting Auxiliary PCB	
		4	#6-32x1/2" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Auxiliary PCB to Shockmount Springs	
		4	#6 Regular Pattern Plain Flat-Washer Used for attaching Auxiliary PCB to Shockmount Springs	
		4	#6-32 Polymer Self-Locking Steel Hex Nut Used for attaching Auxiliary PCB to Shockmount Springs	
		4	#8x5/8" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Shockmount Springs to Cabinet	
		4	#8 Regular Pattern Plain Flat-Washer Used for attaching Shockmount Springs to Cabinet	



CABINET ASSEMBLY

AIRBORNE AVENGER

A006016-03



CABINET ASSEMBLY

AIRBORNE AVENGER

A006016-03

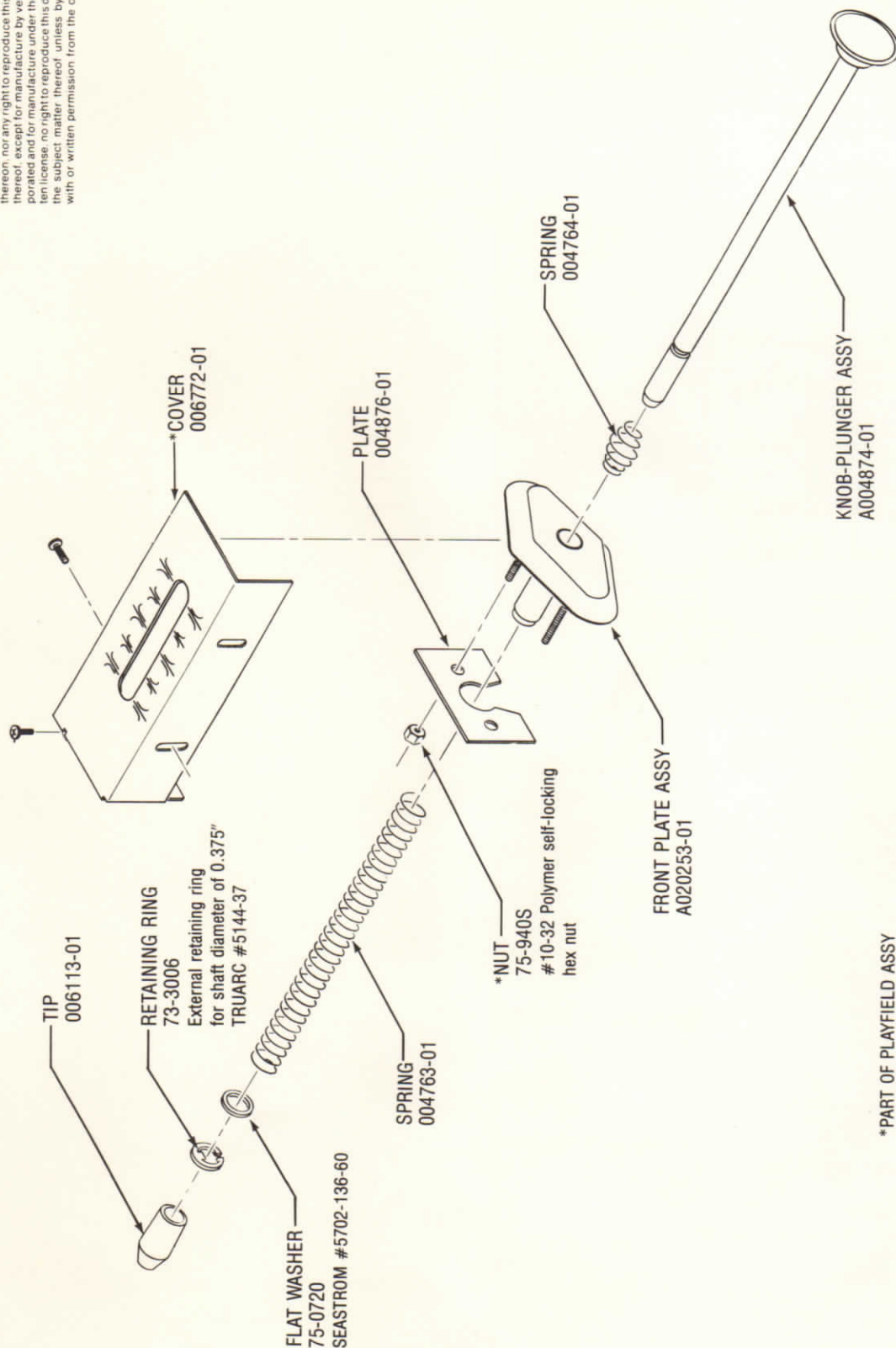
Section **B**
Sheet 2

March 10 78

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
10	A007866-01	1	PCB Power Harness Not identified on drawing	
11	A007868-01	1	PCB Interconnect Harness Not identified on drawing	
12	A020023-01	1	Display Harness Not identified on drawing	
13	A020235-01	1	Total Play Harness Not identified on drawing	
15	A020195-01	1	Front Moulding Assy	
19	004898-01	2	Support Arm	
	004902-01	2	Flange Bushing Used for attaching Support Arm	
	72-6820S	2	#8x1¼" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Support Arm thru Flange Bushing and into Cabinet	
	020440-01	1	Right Stay Arm Bracket Used to support Support Arm	
	020440-02	1	Left Stay Arm Bracket Used to support Support Arm	
	72-6608S	2	#6x½" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for mounting right and left Stay Arm Brackets	
24	006719-01	1	Cash Box Locking Strap	
	75-B612	2	#6x¾" Phillips Flat-Head Type AB Sheetmetal Screw Used for attaching Cash Box Locking Strap	
	75-015S	4	#¼ Regular Pattern Steel Plain Flat-Washer Used for attaching Cash Box Locking Strap	
25	00788-01	1	Black Plastic Processor PCB Shield Never put game into operation without PCB Shield in place	
27	006019-01	4	Retaining Bracket Used for mounting Black Plastic Processor PCB Shield	
	72-1804S	4	#8-32x¼" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Black Plastic Processor PCB Shield to Retaining Brackets	
	75-018S	4	#8 Regular Pattern Plain Steel Flat-Washer Used for attaching Black Plastic Processor PCB Shield to Retaining Brackets	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Retaining Brackets to Cabinet	
85	48-004	1	5", 8 ohm, Speaker	
	000869-01	1	Speaker Grill	
	72-1608S	4	#6-32x½" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Speaker and Speaker Grill	
	75-056	4	#6 Internal-Tooth Steel Lock-Washer Used for attaching Speaker and Speaker Grill	
86	61-062A	1	15Amp @ 125 VAC General Purpose Toggle Switch—Cherry #E69-50A	
	006450-01	1	Switch Plate Used for mounting Toggle Switch	
	72-6810S	2	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Switch Plate to Cabinet	
	020435-01	1	Power ON/OFF Safety Switch Cover	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Safety Switch Cover	
87	68-002	1	30Amp Interlock Switch—Cherry #E79-30A	
	000268-02	1	Interlock Switch Mounting Bracket	
	72-6810S	2	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Mounting Bracket to Cabinet	
	020435-02	1	Interlock Switch Safety Cover	
90	19-9030	1	100 ohm, 3W, Wire-Wound Linear Variable Resistor Used as the Operator Accessible Volume Control	

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
	006719-01	1	Locking Strap Used for mounting Volume Control	
	75-B612	1	#6x¾" Phillips Flat-Head Type AB Sheetmetal Screw Used for attaching Locking Strap (Volume Control Mount)	
91	A006020-01	1	The Atarians Processor PCB	See Section C, Sheet 40
91	A006020-03	1	Time 2000 Processor PCB	See Section C, Sheet 41
91	A006020-04	1	Airborne Avenger Processor PCB	See Section C, Sheet 42
91	A006020-05	1	The Atarians Processor PCB	See Section C, Sheet 40
91	A006020-06	1	Time 2000 Processor PCB	See Section C, Sheet 41
91	A006020-07	1	Airborne Avenger Processor PCB	See Section C, Sheet 42
91	A006020-10	1	Time 2000 Processor PCB	See Section C, Sheet 41
	006762-01	4	Shockmount Spring Used for mounting Processor PCB	
	72-1608S	4	#6-32x½" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Processor PCB to Shockmount Springs	
	75-016S	4	#6 Regular Patter Plain Flat-Washer Used for attaching Processor PCB to Shockmount Springs	
	75-946S	4	#6-32 Polymer Self-Locking Steel Hex Nut Used for attaching Processor PCB to Shockmount Springs	
	72-6810S	4	#8x⅝" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Shockmount Springs to Cabinet	
	75-018S	4	#8 Regular Pattern Plain Flat-Washer Used for attaching Shockmount Springs to Cabinet	
92	A006728-01	1	95/117V Tilt Board Used on The Atarians and Time 2000 only	See Section C, Sheet 6
92	A006728-02	1	205/220V Tilt Board Used on The Atarians and Time 2000 only	See Section C, Sheet 6
92	A006728-03	1	95/117V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
92	A006728-04	1	205/220V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
92	A006728-05	1	205/220V Tilt Board Used on Airborne Avenger only	See Section C, Sheet 7
	72-6616	4	#6x1" Cross-Recessed Type AB Pan-Head Thread-Forming Steel Screw Used for attaching Tilt Board to Cabinet	
93	A006032-01	1	95/117/205/220V Power Supply Used on The Atarians only	See Section C, Sheet 21
93	A006020-02	1	95/117V Power Supply Used on Time 2000 only	See Section C, Sheet 22
93	A006020-03	1	205/220V Power Supply Used on Time 2000 only	See Section C, Sheet 22
93	A006020-04	1	117V Power Supply Used on U.S. version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-05	1	220V Power Supply Used on European version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-06	1	220V Power Supply Used on Australian version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-07	1	95V Power Supply Used on Japanese version of Airborne Avenger only	See Section C, Sheet 23
93	A006020-08	1	220V Power Supply Used on English version of Airborne Avenger only	See Section C, Sheet 23
	72-B512	4	#¼-20x¾" Hex-Head Steel Bolt Used for attaching Power Supply to Cabinet	
	75-045	4	#¼" CRES Split Lock-Washer Used for attaching Power Supply to Cabinet	
	75-015S	4	#¼ Regular Pattern Plain Steel Flat-Washer Used for attaching Power Supply to Cabinet	

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*PART OF PLAYFIELD ASSY

BALL SHOOTER
 A004769-01

CABINET SUB-ASSEMBLY



Section C
 Sheet 1

March 10/78



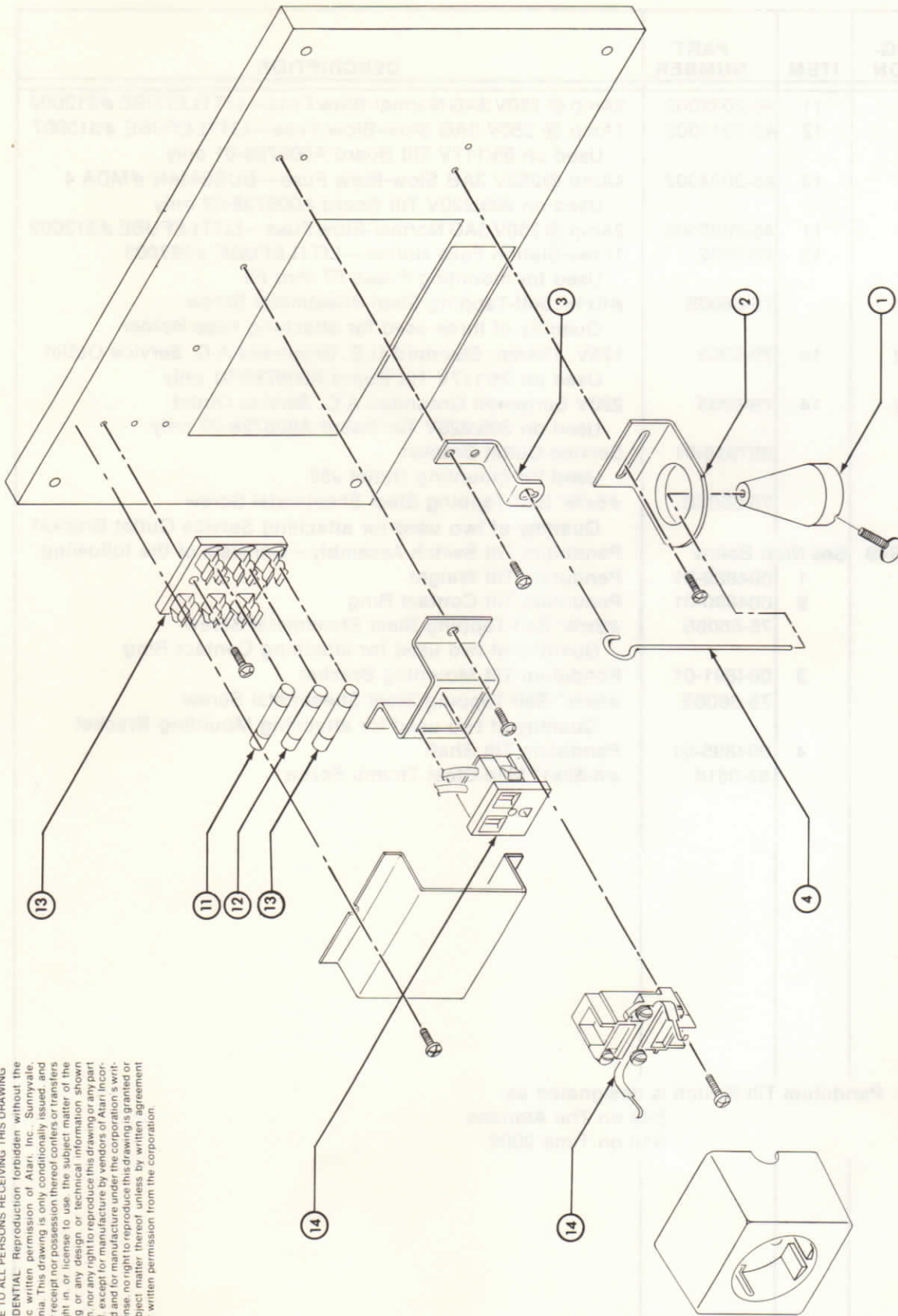
CABINET SUB-ASSEMBLY

TILT BOARD
A006728-01 and -02

Section **C**
Sheet 6

March 10/78

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NOTE:
SEE OTHER SIDE FOR PARTS LIST



CABINET SUB-ASSEMBLY

TILT BOARD
A006728-01 and -02

Section **C**
Sheet 6

March 10/78

DESIG-NATION	ITEM	PART NUMBER	DESCRIPTION
F7	11	46-2032002	2Amp @ 250V 3AG Normal-Blow Fuse—LITTLEFUSE #312002
F8	12	46-2017002	7Amp @ 250V 3AG Slow-Blow Fuse—LITTLEFUSE #313007 Used on 95/117V Tilt Board A006728-01 only
F8	12	46-2024002	4Amp @250V 3AB Slow-Blow Fuse—BUSSMAN #MDA 4 Used on 205/220V Tilt Board A006728-02 only
F9	11	46-2032002	2Amp @ 250V 3AG Normal-Blow Fuse—LITTLEFUSE #312002
	13	79-3202	Three-Station Fuse Holder—LITTLEFUSE #357003 Used for mounting Fuses F7 thru F9
		75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of three used for attaching Fuse Holder
J32	14	79-5303	125V, 15Amp, Standard U.S. Grounded A.C. Service Outlet Used on 95/117V Tilt Board A006728-01 only
J32	14	79-5305	220V European Grounded A.C. Service Outlet Used on 205/220V Tilt Board A006728-02 only
		007016-01	Service Outlet Bracket Used for mounting Outlet J32
		75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Service Outlet Bracket
S10, S49	See Note Below		Pendulum Tilt Switch Assembly—Consists of the following:
	1	004889-01	Pendulum Tilt Weight
	2	004890-01	Pendulum Tilt Contact Ring
		75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Contact Ring
	3	004891-01	Pendulum Tilt Mounting Bracket
		75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Mounting Bracket
	4	004895-01	Pendulum Tilt Shaft
		82-0816	#8-32x1" Mild-Steel Thumb Screw

NOTE: Pendulum Tilt Switch is designated as:
S49 on The Atarians
S10 on Time 2000

Exploded view diagram of the Atari 2600 console assembly, showing components 1 through 14. The diagram illustrates the internal structure, including the main housing, internal frame, and various electronic components like the power supply, logic board, and cartridge slot.



CABINET SUB-ASSEMBLY

TILT BOARD
A006728-03 thru -05

Section C
Sheet 7

March 10/78



CABINET SUB-ASSEMBLY

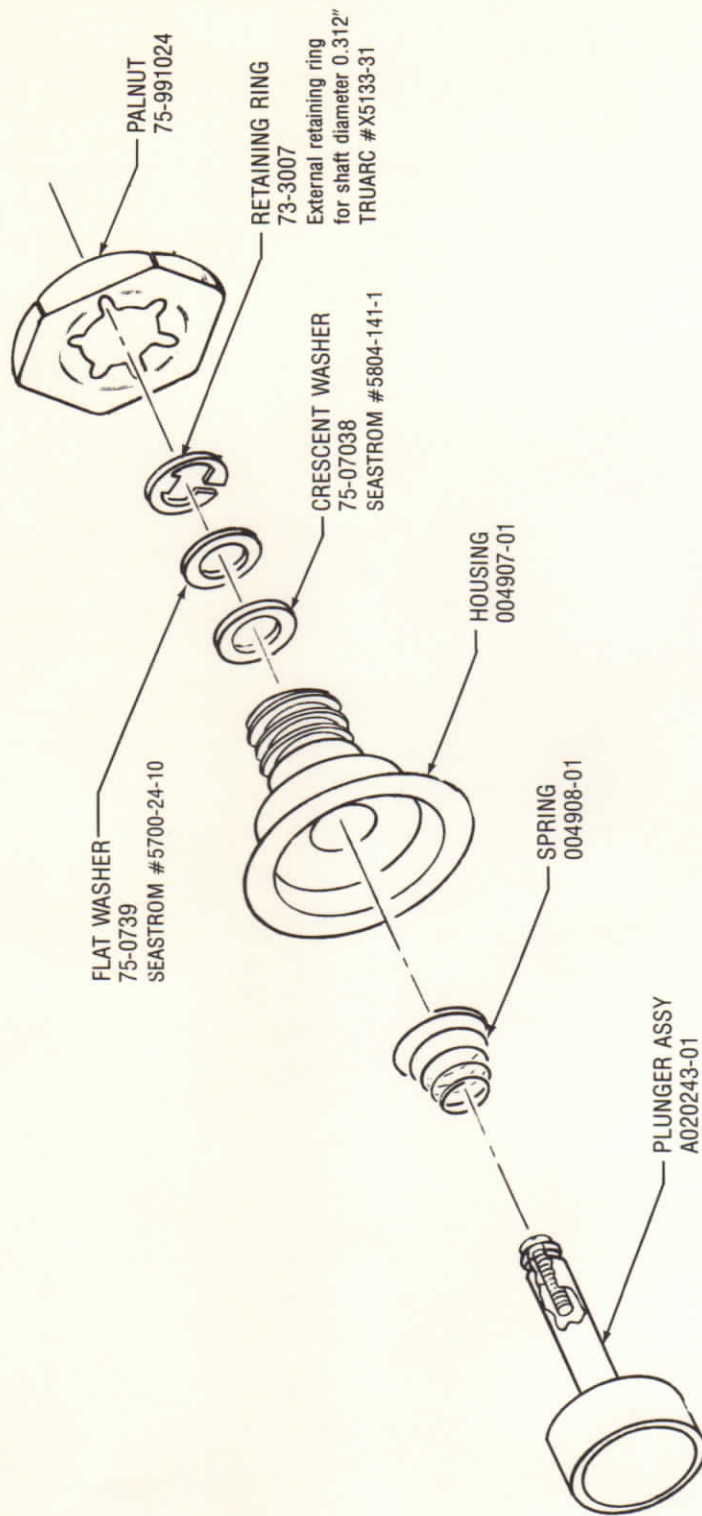
TILT BOARD
A006728-03 thru -05

Section **C**
Sheet 7

March 10/78

DESIG-NATION	ITEM	PART NUMBER	DESCRIPTION
F7	11	46-2032002	2Amp @ 250V 3AG Normal-Blow Fuse—LITTLEFUSE #312002
F8	12	46-2017002	7Amp @ 250V 3AG Slow-Blow Fuse—LITTLEFUSE #313007 Used on 95/117V Tilt Board A006728-03 only
F8	12	46-2014002	4Amp @ 250V 3AB Slow-Blow Fuse—BUSSMAN #MDA 4 Used on 205/220V Tilt Board A006728-04 and -05 only
F9	11	46-2032002	2Amp @ 250V Normal-Blow Fuse—LITTLEFUSE #312002
	13	79-3202	Three-Station Fuse Holder—LITTLEFUSE #357003 Used for mounting Fuses F7 thru F9
	18	75-6608S	#6x1/2" Self-Tapping Steel Sheetmetal Screw Quantity of three used for attaching Fuse Holder
J32	14	79-5303	125V, 15Amp, Standard U.S. Grounded A.C. Service Outlet Used on Tilt Board A006728-03 and -04 only
	6	007016-01	Service Outlet Bracket Used on Tilt Board A007728-03 and -04 only
	18	75-6608S	#6x1/2" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Service Outlet Bracket
J32	14	79-5305	220V European Grounded A.C. Service Outlet Used on Tilt Board A006728-05 only
	18	75-6608S	#6x1/2" Self-Tapping Steel Sheetmetal Screw Quantity of three used for attaching Service Outlet J32
S10			Pendulum Tilt Switch Assembly—Consists of the following:
	1	004889-01	Pendulum Tilt Weight
	2	004890-01	Pendulum Tilt Contact Ring
	9	75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Contact Ring
	3	004891-01	Pendulum Tilt Mounting Bracket
	9	75-6606S	#6x3/8" Self-Tapping Steel Sheetmetal Screw Quantity of two used for attaching Mounting Bracket
	4	0048-01	Pendulum Tilt Shaft
	10	82-0816	#8-32x1" Mild-Steel Thumb Screw

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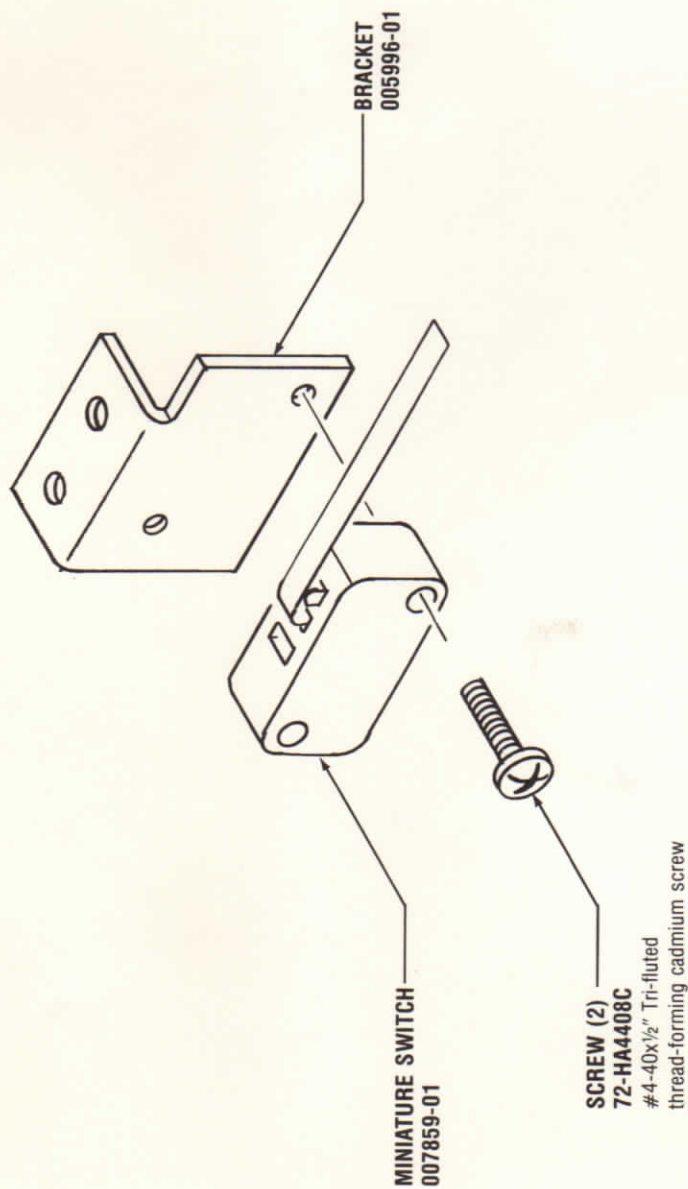
CABINET SUB-ASSEMBLY

FLIPPER BUTTON
 A004910-01

Section **C**
 Sheet 11

March 10/78

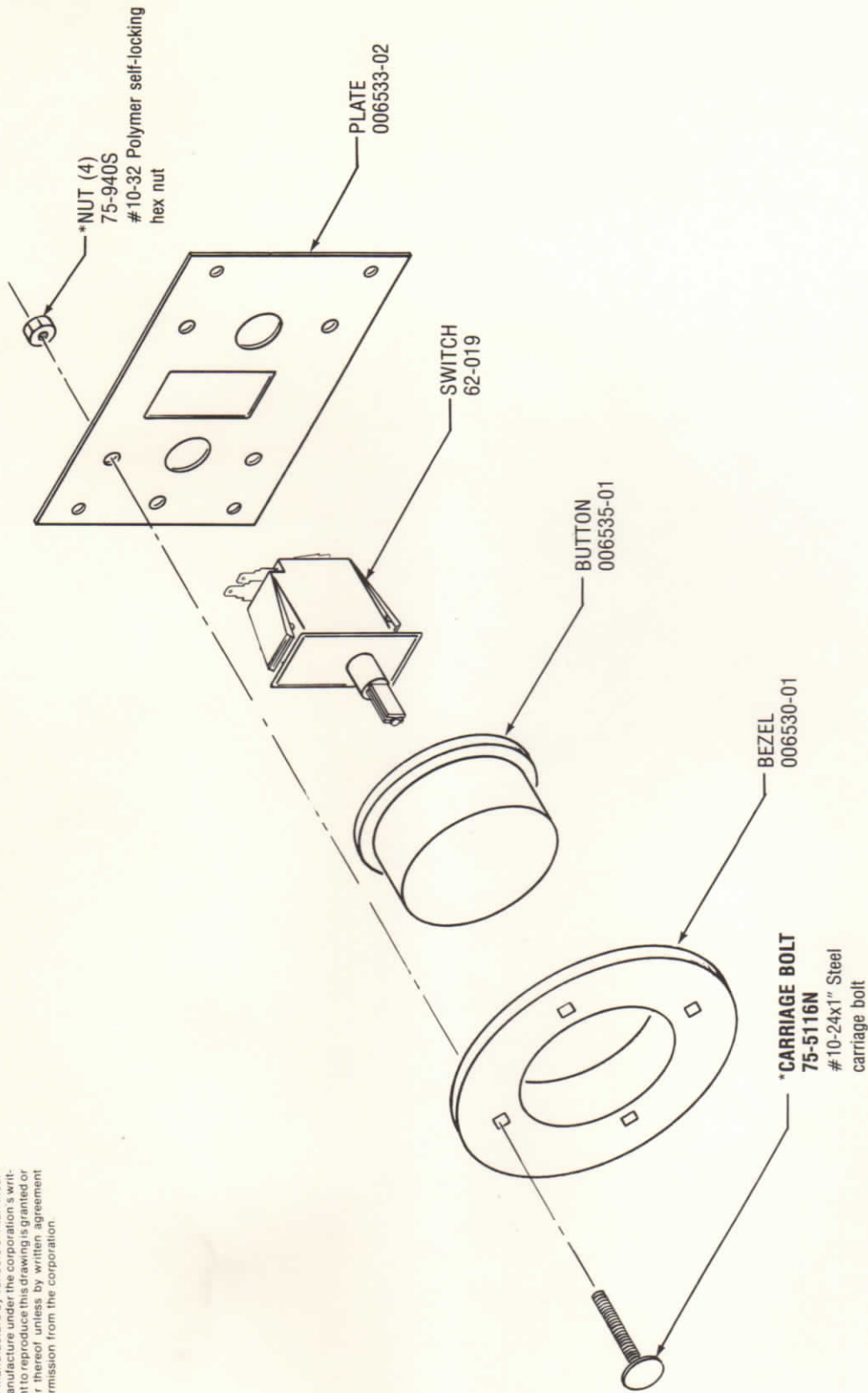
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CABINET SUB-ASSEMBLY

FLIPPER BUTTON SWITCH
A006071-01

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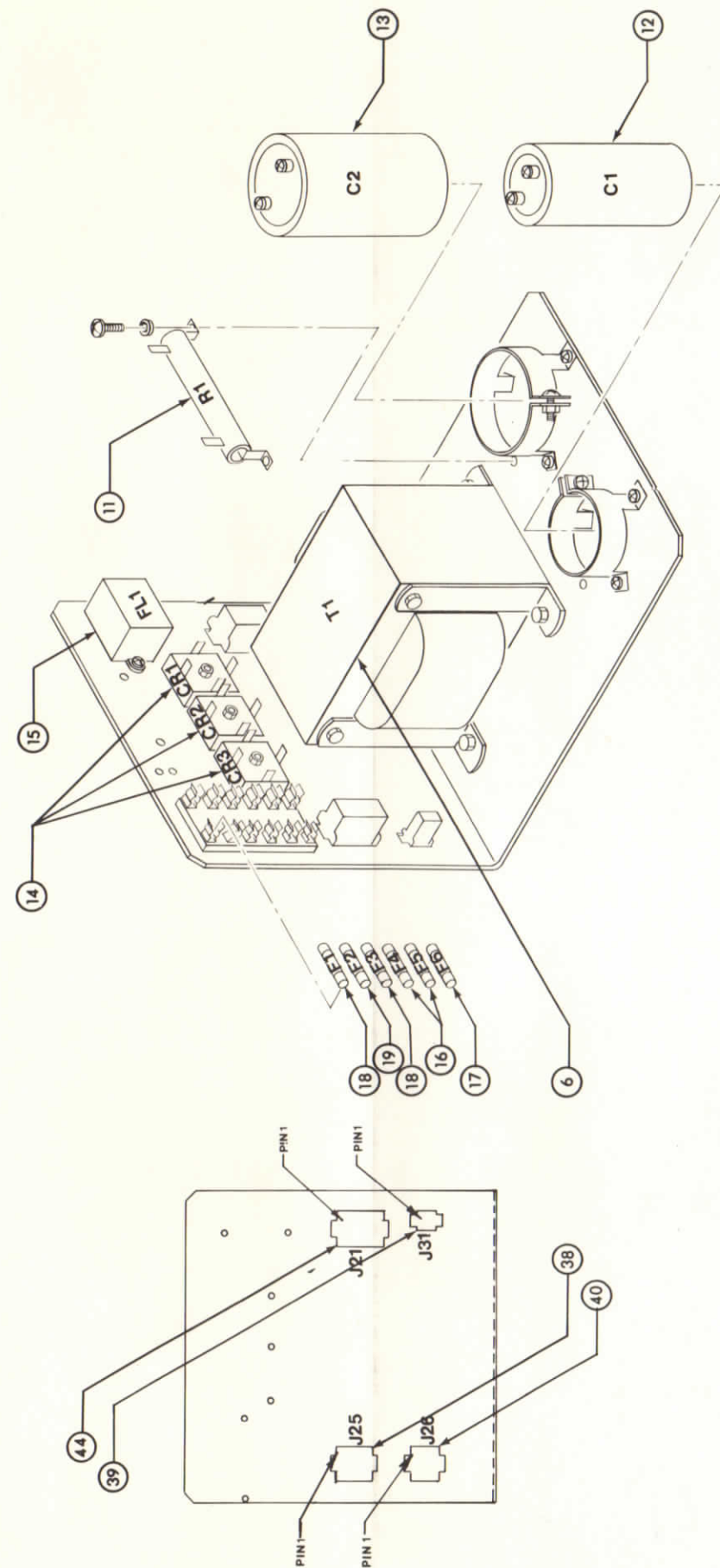


CABINET SUB-ASSEMBLY

START BUTTON
 A007010-01

Section **C**
 Sheet 18

March 10/78



DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
C1		A007355-01	1	Power Supply Tray Harness Connects to Resistors R1, Capacitors C1 and C2, Etc. Not identified on drawing.
		A007810-01	1	Power Supply Harness Connects to Filter FL1, Connector J25, etc. Not identified on drawing.
		A007813-01	1	Three Conductor Power Cord Connects to Filter FL1. Not identified on drawing.
		A007862-01	1	Shorting Plug—Not identified on drawing. Mates with Connector J26. Use Black Plug for 95V operation. Use Orange Plug for 117V operation. Use Green Plug for 205V operation. Use Red Plug for 220V operation.
	12	29-057	1	18,000uf, +75%, -10%, 25WVDC, Electrolytic Capacitor—SPRAGUE #36D183G025BC2A
		78-70501SC	1	Capacitor Mounting Bracket— SPRAGUE #4586-48 Used for mounting Capacitor C1.
		29-058	1	21,000uf, +75%, -10%, 40WVDC, Electrolytic Capacitor—SPRAGUE #36D213G040CC2A
		78-70503SC	1	Capacitor Mounting Bracket—Mallory #VR10 Used for mounting Capacitor C2
		72-1608S	2	#6-32x1/2" Cross-Recessed Pan-Head Steel Machine Screw Used for clamping Capacitors C1 and C2 Mounting Brackets
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for clamping Capacitors C1 and C2 Mounting Brackets
		75-916S	2	#6-32 Standard Pattern Steel Hex Nut Used for clamping Capacitors C1 and C1 Mounting Brackets
		72-1604S	6	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Capacitors C1 and C2 Mounting Brackets
		75-056	6	#6 Internal Tooth Steel Lock-Washer Used for attaching Capacitors C1 and C2 Mounting Brackets
		72-1006S	4	#10-32x3/8" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching wires to Capacitors C1 and C2
		75-040C	4	#10 CRES Split-Lock-Washer Used for attaching wires to Capacitors C1 and C2
CR1-CR3	14	3A-MDA3500 72-1112S	3	Bridge Rectifier—Motorola #MDA3500
			3	#10-24x3/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Rectifiers CR1 thru CR3
		75-040	3	#10 CRES Split-Lock-Washer Used for attaching Rectifiers CR1 thru CR3



CABINET SUB-ASSEMBLY

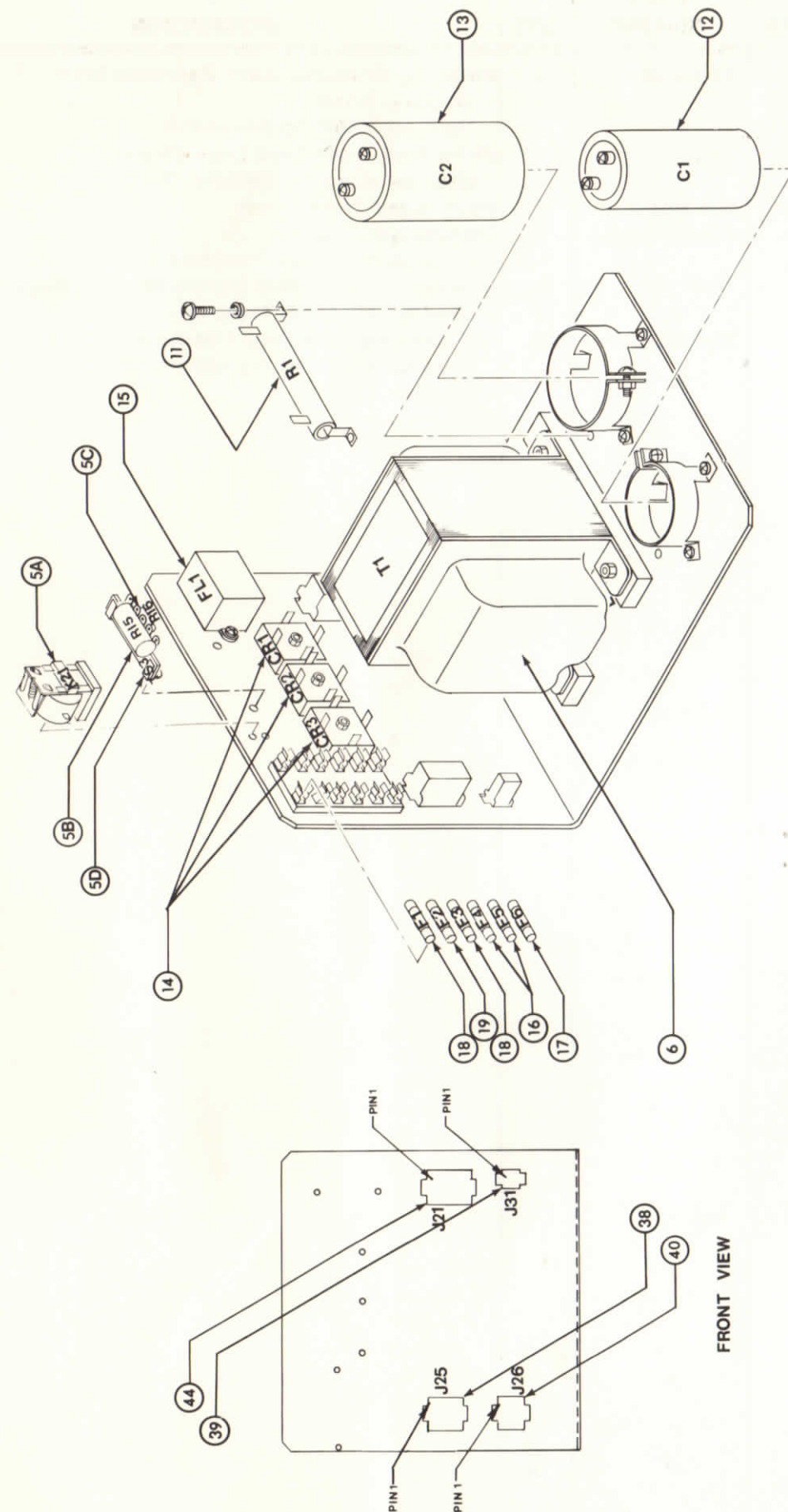
POWER SUPPLY
A006032-01



CABINET SUB-ASSEMBLY

POWER SUPPLY
A006032-01

DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
		79-07416V	12	Fixed Insulated Terminal—Hollingsworth #S09721SF Used to attach wired to Rectifiers CR1 thru CR3 Not identified on drawing.
F1	18	46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
F2	19	46-2017002	1	17Amp @ 250V 3AG Slow-Blow— LITTLEFUSE #313007
F3	18	46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
F4, F5	16	46-2010502	2	1/2Amp @ 250V 3AG Slow-Blow Fuse— LITTLEFUSE #313500
F6	17	46-2032002	1	2Amp @ 250V 3AG Normal-Blow Fuse— LITTLEFUSE #312002
		79-3204	1	Six-Station Fuse Holder—LITTLEFUSE #357006 Used for mounting Fuses F1 thru F6
		72-1606S	2	#6-32x3/8" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Fuseholder
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Fuseholder
FL1	15	41-2008	1	10Amp RFI Filter
		72-1604S	2	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Filter FL1
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Filter FL1
		79-07416V	4	Fixed Insulated Terminal—Hollingsworth #S09721SF Used for attaching wires to Filter FL1
J21	44	79-58119	1	Fifteen-Pin Connector—AMPHENOL #1-480711-0
J25	38	79-58084	1	Twelve-Pin Connector—AMPHENOL #1-480709-0
J26	40	79-58117	1	Nine-Pin Connector—AMPHENOL #1-480707-0
J31	39	79-58134	1	Two-Pin Connector—AMPHENOL #1-480699-0
		79-20123	29	Connector Pin Contact—AMPHENOL #350547-1
R1	11	19-8C5W1P0	1	1 Ohm, ±5%, 50W, Wirewound Fixed Resistor— CLAROSTAT #VP50K-1
		72-1604S	2	#6-321/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Resistor R1
		75-057	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Resistor R1
T1	6	006182-01	1	Main Power Transformer
		75-5116N	4	#10-24x1" Round-Head Square-Neck Steel Carriage Bolt Used for attaching Transformer T1
		75-010S	4	#10 SAE Standard Steel Flat Washer Used for attaching Transformer T1



DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
		A007355-01	1	Power Supply Tray Harness Connects to Resistor R1, Capacitors C1 and C2, etc. Not identified on drawing
		A007810-01	1	Power Supply Harness Connects to Filter FL1, Connectors J25 and J26, etc. Not identified on drawing
		A007813-02	1	Three Conductor Power Cord with Standard U.S. Grounded Plug used on A006032-02 Power Supply only Not identified on drawing.
		A007813-03	1	Three Conductor Power Cord with European Plug Used on A00632-03 Power Supply only Not identified on drawing
		A007862-01	1	Shorting Plug—Not identified on drawing Mates with Connector J26 Use Black Plug for 95V operation Use Orange Plug for 117V operation Use Green Plug for 205V operation Use Red Plug for 220V operation
C1	12	29-057	1	18,000uf, +70%, -10%, 25WVDC, Electrolytic Capacitor—SPRAGUE #36D183G025BC2A
		78-70701SC	1	Capacitor Mounting Bracket—SPRAGUE #4586-48 Used for mounting Capacitor C1
C2	13	29-058	1	21,000uf, +75%, -10%, 40WVDC, Electrolytic Capacitor—SPRAGUE #36D213G040CC2A
		78-70503SC	1	Capacitor Mounting Bracket—MALLORY #VR10 Used for mounting Capacitor C2
		72-1608S	2	#6-32x1/2" Cross-Recessed Pan-Head Steel Machine Screw Used for clamping Capacitors C1 and C2 Mounting Bracket
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for clamping Capacitors C1 and C2 Mounting Bracket
		75-916S	2	#6-32 Standard Pattern Steel Hex Nut Used for clamping Capacitors C1 and C2 Mounting Bracket
		72-1604S	6	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Capacitors C1 and C2 Mounting Bracket
		75-056	6	#6 Internal Tooth Steel Lock-Washer Used for attaching Capacitors C1 and C2 Mounting Brackets
		72-1006S	4	#10-32x3/8" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching wires to Capacitors C1 and C2
		75-040C	4	#10 CRES Split-Lock-Washer Used for attaching wires to Capacitors C1 and C2
CR1-CR3	14	3A-MDA3500	3	Bridge Rectifier—MOTOROLA #MDA 3500
		72-1112S	3	#10-24x3/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Rectifiers CR1 thru CR3



CABINET SUB-ASSEMBLY

POWER SUPPLY
A006032-02 and -03

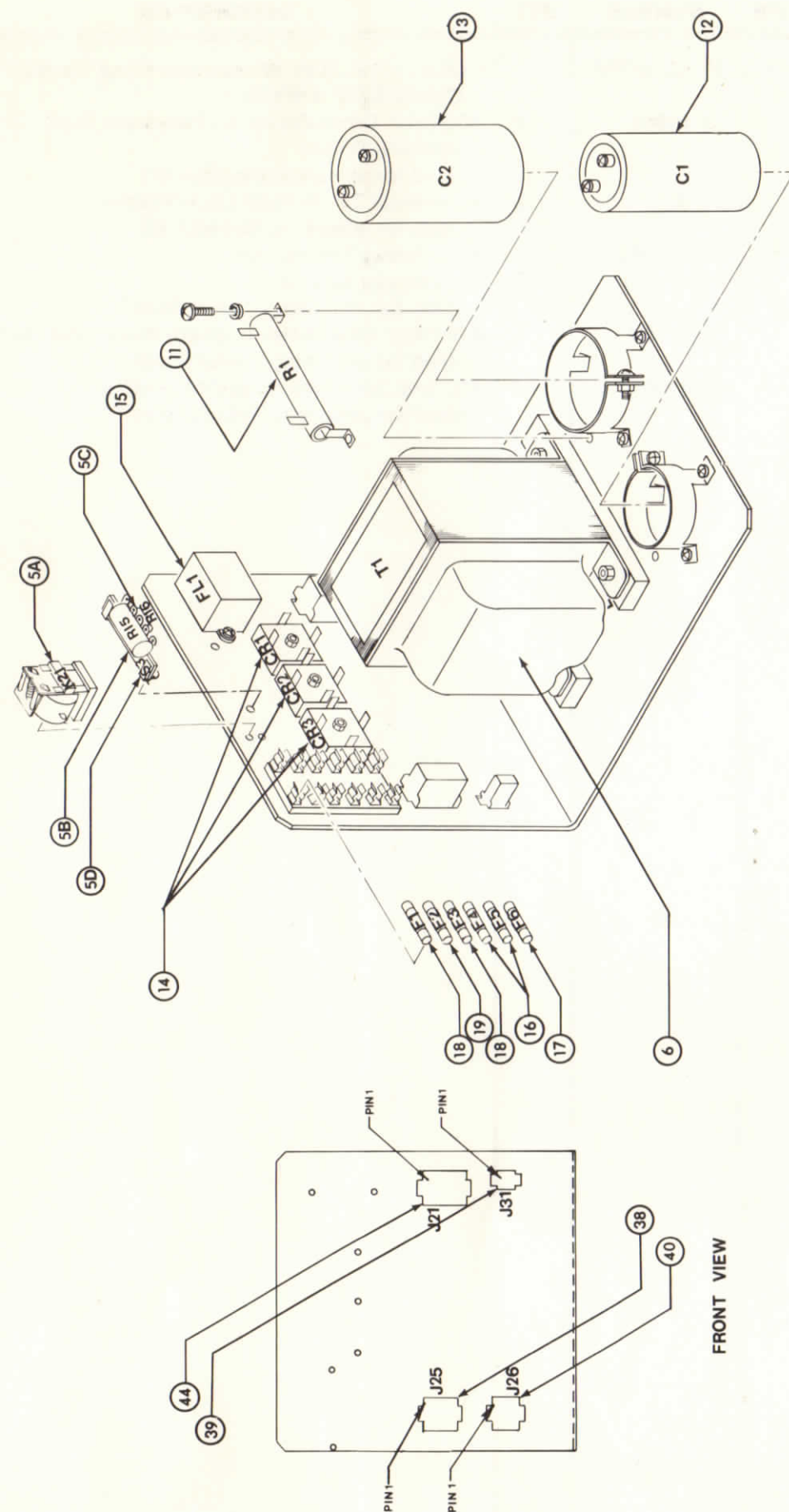


CABINET SUB-ASSEMBLY

POWER SUPPLY
A006032-02 and -03 -16

DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
F1	18	75-040	3	#10 CRES Split-Lock-Washer Used for attaching Rectifiers CR1 thru CR3
		79-07416V	12	Fixed Insulated Terminal—HOLLINGSWORTH #S09721SF Used for attaching wires to Rectifiers CR1 thru CR3
		46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
		46-2017002	1	7Amp @ 250V 3AG Slow-Blow Fuse— LITTLEFUSE #313007
		46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
		46-2010502	2	½Amp @ 250V 3AG Slow-Blow Fuse— LITTLEFUSE #313500
		46-2032002	1	2Amp @ 250V 3AG Normal-Blow Fuse— LITTLEFUSE #312002
		79-3204	1	Six-Station Fuse Holder—LITTLEFUSE #357006 Used for mounting Fuses F1 thru F6
		72-1606S	2	#6-32x¾" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Fuseholder
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Fuseholder
FL1	15	41-2008	1	10Amp RFI Filter
		72-1604S	2	#6-32x¼" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Filter FL1
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Filter FL1
		79-07416V	4	Fixed Insulated Terminals—HOLLINGSWORTH #S09721SF Used for attaching wires to Filter FL1
J21	44	79-58119	1	Fifteen-Pin Connector—AMPHENOL #1-480711-0
J25	38	79-58084	1	Twelve-Pin Connector—AMPHENOL #1-480709-0
J26	40	79-58117	1	Nine-Pin Connector—AMPHENOL #1-480707-0
J31	39	79-58134	1	Two-Pin Connector—AMPHENOL #1-480699-0
1/4 1/8	5A	79-20123	29	Connector Pin Contact—AMPHENOL #350547-1
		A020317-01	1	Relay Kit—Used on European Power Supply A006032-03 only—Consists of Relay K21, Resistors R15 and R16, and Terminal Strip TS3
1/4 1/8	5A	43-4004	1	6VDC, 5Amp, SPDT Relay—POTTER & BRUMFIELD #KA5DY-6
R15	5B	19-10100007	1	10 Ohm, ±5%, 20W, Wirewound Resistor— OHMITE #1804
R16	5C	12-5180	1	18 Ohm, ±5%, 1W, Carbon Composition Resistor
TS3	5D	79-13505	1	Five-Terminal Terminal Strip—H.H. Smith #1095 Used for mounting Resistors R15 and R16
		72-1606S	2	#6-32x¾" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Terminal Strip TS3
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Terminal Strip TS3
R1	11	19-8C5W1P0	1	1 Ohm, ±5%, 50W, Wirewound Fixed Resistor— CLAROSTAT #VP50K-1

DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
T1	6	72-1604S	2	#6-32x¼" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Resistor R1
		75-057	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Resistor R1
		006182-04	1	Main Power Transformer
		020434-01	2	Transformer Spacer Used for mounting Transformer T1
		75-5116N	4	#10-24x1" Round-Head Square-Neck Carriage Bolt Used for attaching Transformer T1
		75-010S	4	#10 SAE Standard Steel Flat Washer Used for attaching Transformer T1



DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
		A007355-01	1	Power Supply Tray Harness Connects to Resistor R1, Capacitors C1 and C2, etc. Not identified on drawing
		A007810-01	1	Power Supply Harness Connects to Filter FL1, Connectors J25 and J26, etc. Not identified on drawing
		A007813-02	1	Three Conductor Power Cord with Standard U.S. Grounded Plug Used on A006032-04, -07, and -08 Power Supplies only Not identified on drawing
		A007813-03	1	Three Conductor Power Cord with European Plug Used on A006032-05 Power Supply only Not identified on drawing
		A007813-04	1	Three Conductor Power Cord with Australian Plug Used on A006032-06 Power Supply only Not identified on drawing
		A020025-01	1	Shorting Plug—Mates with Connector J26 Used for 95V operation on A006032-07 Power Supply only Not identified on drawing
		A020025-02	1	Shorting Plug—Mates with Connector J26 Used for 220V operation on A006032-05, -06, and -08 Power Supplies only Not identified on drawing
		A020025-03	1	Shorting Plug—Mates with Connector J26 Used for 115V operation on A006032-04 Power Supply only Not identified on drawing
C1	12	29-057	1	18,000 μ f, +75%, -10%, 25WVDC, Electrolytic Capacitor—SPRAGUE #36D183G025BC2A
		78-70701SC	1	Capacitor Mounting Bracket—SPRAGUE #4586-48 Used for mounting Capacitor C1
C2	13	29-058	1	21,000 μ f, +75%, -10%, 40WVDC, Electrolytic Capacitor—SPRAGUE #36D213G040CC2A
		78-70503SC	1	Capacitor Mounting Bracket—MALLORY #VR10 Used for mounting Capacitor C2
		72-1608S	2	#6-32x $\frac{1}{2}$ " Cross-Recessed Pan-Head Steel Machine Screw Used for clamping Capacitors C1 and C2
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for clamping Capacitors C1 and C2
		75-916S	2	#6-32 Standard Pattern Hex Nut Used for clamping Capacitors C1 and C2
		72-1604S	6	#6-32x $\frac{1}{4}$ " Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Capacitors C1 and C2 Mounting Brackets
		75-056	6	#6 Internal Tooth Steel Lock-Washer Used for attaching Capacitors C1 and C2 Mounting Brackets
		72-1006S	4	#10-32x $\frac{3}{8}$ " Cross-Recessed Pan-Head Steel Machine Screw Used for attaching wires to Capacitors C1 and C2
		75-040C	4	#10 CRES Split-Lock-Washer Used for attaching wires to Capacitors C1 and C2
CR1 thru CR3	14	3A-MDA3500	3	Bridge Rectifier—MOTOROLA #MDA3500



CABINET SUB-ASSEMBLY

POWER SUPPLY
A006032-04 thru -08

Section C
Sheet 23

March 10/78



CABINET SUB-ASSEMBLY

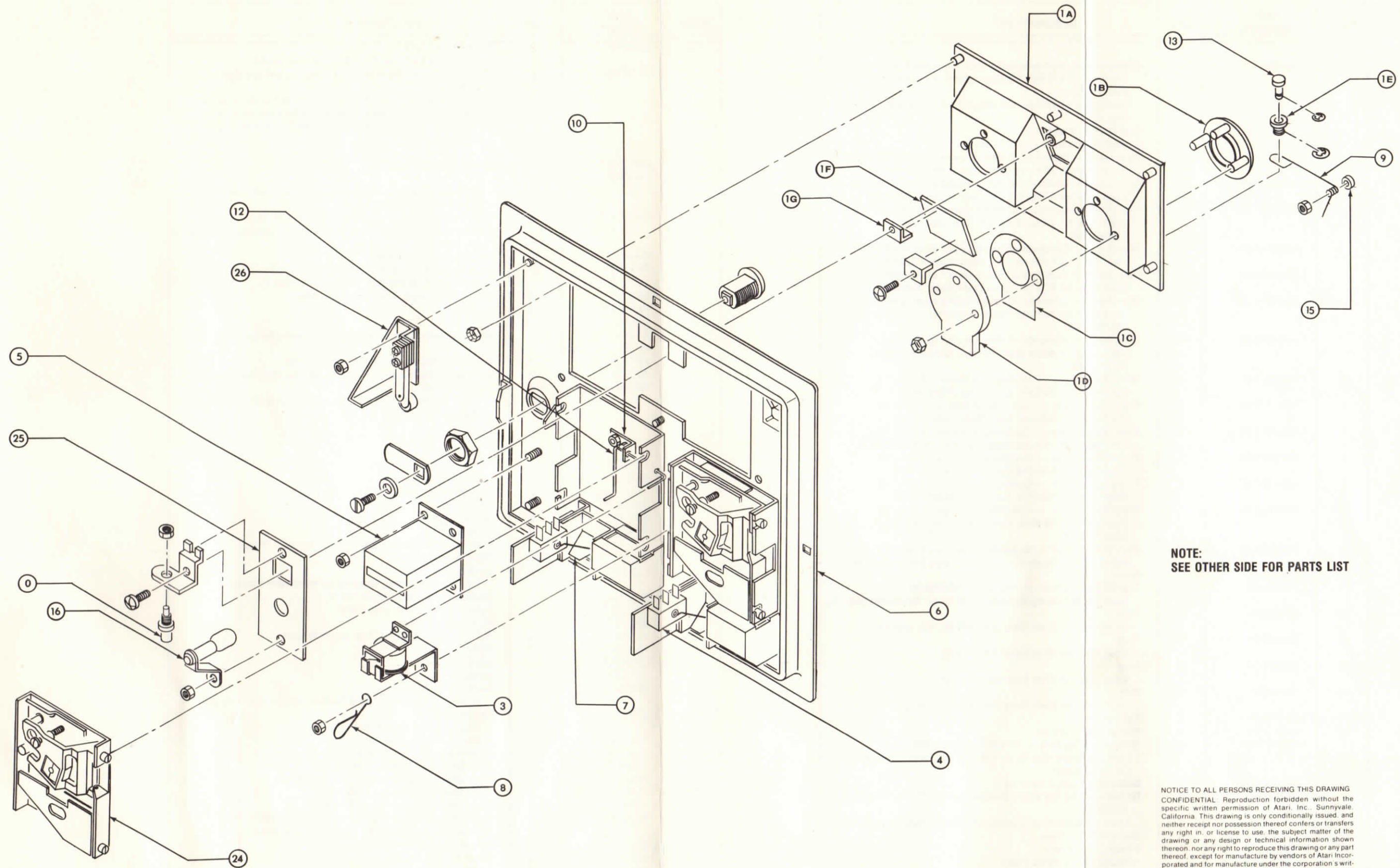
POWER SUPPLY
A006032-04 thru -08

Section C
Sheet 23

March 10/78

DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
F1	18	72-1112S	3	#10-24x3/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Rectifiers CR1 thru CR3
		75-040	3	#10 CRES Split-Lock-Washer Used for attaching Rectifiers CR1 thru CR3
		79-07416V	12	Fixed Insulated Terminal— HOLLINGSWORTH #S09721SF Used for attaching wires to Rectifiers CR1 thru CR3
		46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
		46-2017002	1	7Amp @ 250V 3AG Slow-Blow Fuse— LITTLEFUSE #313007
		46-305152	1	15Amp @ 250V 3AB Normal-Blow Fuse— LITTLEFUSE #314015
		46-2010502	2	1/2Amp @ 250V 3AG Slow-Blow Fuse— LITTLEFUSE #313500
		46-2032002	2	2Amp @ 250V 3AG Normal-Blow Fuse— LITTLEFUSE #312002
		79-3204	1	Six-Station Fuse Holder—LITTLEFUSE #357006 Used for mounting Fuses F1 thru F6
		72-1606S	2	#6-32x3/8" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Fuseholder
FL1	15	75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Fuseholder
		41-2008	1	10Amp RFI Filter
		72-1604S	2	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Filter FL1
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Filter FL1
		79-07416V	4	Fixed Insulated Terminals— HOLLINGSWORTH #S09721SF Used for attaching wires to Filter FL1
J21	44	79-58119	1	Fifteen-Pin Connector—AMPHENOL #1-480711-0
J25	38	79-58084	1	Twelve-Pin Connector—AMPHENOL #1-480709-0
J26	40	79-58117	1	Nine-Pin Connector—AMPHENOL #1-480707-0
J31	39	79-58134	1	Two-Pin Connector—AMPHENOL #1-480699-0
	5	79-20123	29	Connector Pin Contact—AMPHENOL #350547-1
		A020317-01	1	Relay Kit—Used on European, Australian, and English Power Supply A006032-05, -06, and -08 only Consists of Relay K21, Resistors R15 and R16, and Terminal Strip TS3
K21	5A	43-4004	1	6VDC, 5Amp, SPDT Relay— POTTER & BRUMFIELD #KA5DY-6
R15	5B	19-10100007	1	10 Ohm, ±5%, 20W, Wirewound Fixed Resistor— OHMITE #1804
R16	5C	12-5180	1	18 Ohm, ±5%, 1W, Carbon Composition Resistor
TS3	5D	79-13505	1	Five-Terminal Terminal Strip—H. H. SMITH #1095 Used for mounting Resistors R15 and R16
		72-1606S	2	#6-32x3/8" Cross-Recessed Pan-Head Steel Machine Screw Used for mounting Terminal Strip TS3
		75-056	2	#6 Internal Tooth Steel Lock-Washer Used for mounting Terminal Strip TS3

DESIG-NATION	ITEM	PART NUMBER	QTY	DESCRIPTION
R1	11	19-8C5W1P0	1	1 Ohm, ±5%, 50W, Wirewound Fixed Resistor— CLAROSTAT #VP50K-1
		72-1604S	2	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching Resistor R1
		75-057	2	#6 Internal Tooth Steel Lock-Washer Used for attaching Resistor R1
T1	6	006182-05	1	Main Power Transformer
		020434-01	2	Transformer Spacer Used for mounting Transformer T1
		75-5116N	4	#10-24x1" Round-Head Square-Neck Steel Carriage Bolt Used for attaching Transformer T1
		75-010S	4	#10 SAE Standard Steel Flat Washer Used for attaching Transformer T1



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CABINET SUB-ASSEMBLY

COIN DOOR
A009084-01 thru -09
A020635-01 thru -09

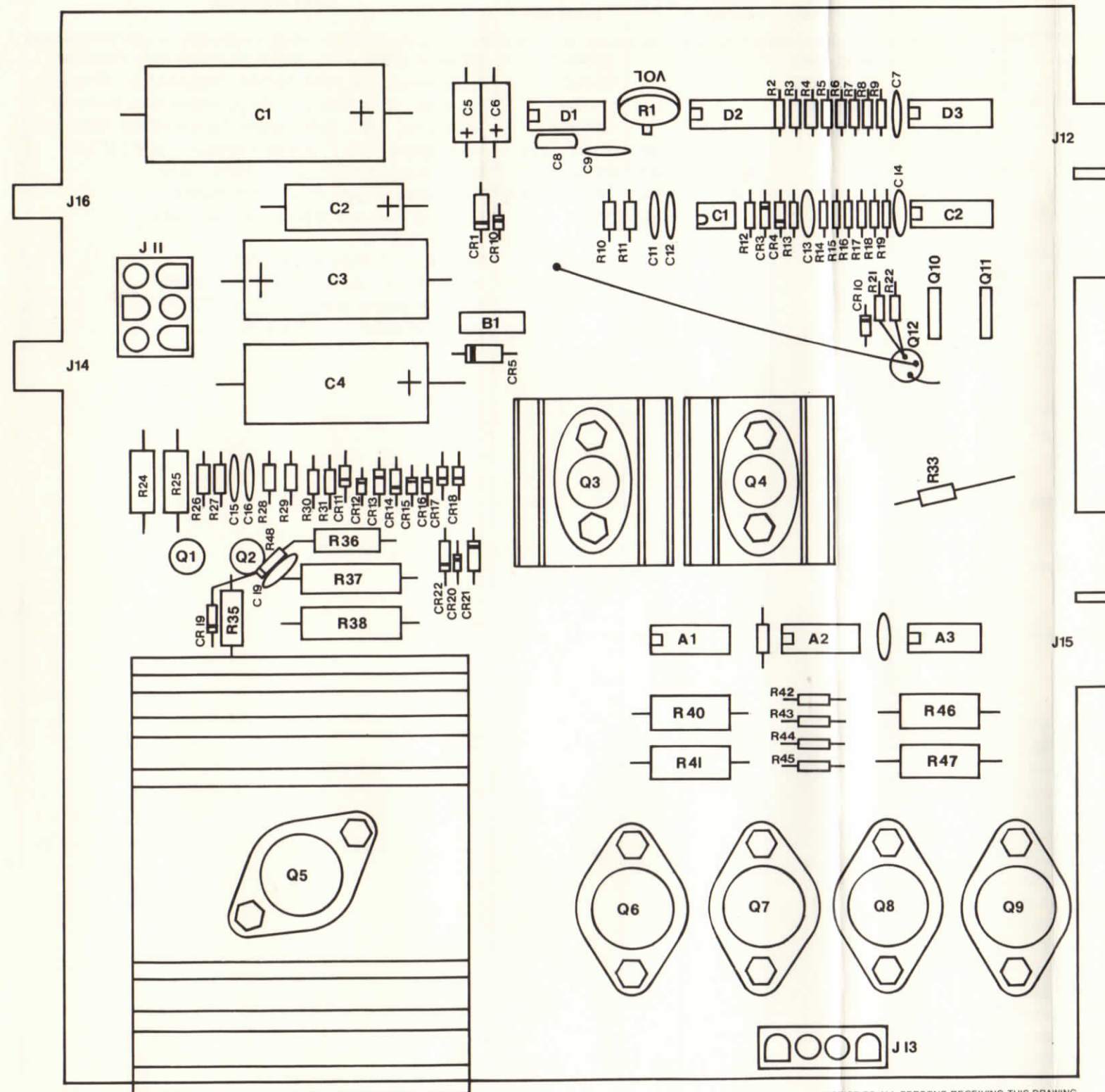


CABINET SUB-ASSEMBLY

COIN DOOR
A009084-01 thru -09
A020635-01 thru -09

ITEM	PART NUMBER	QTY	DESCRIPTION
0	62-030	1	Subminiature Momentary-Contact Normally-Open SPST Switch — C&K #30-3 Switch identified with TEST designation. Used only on Airborne Avenger Coin Door A020635-01 thru -07
	020386-01	1	Test Switch Bracket Used for mounting TEST switch
	A006794-01	1	Coin Door — Consists of items listed after A006794-07 Used only on 25-Cent Coin Door Assy A020635-01
	A006794-02	1	Coin Door — Consists of items listed after A006794-07 Used only on 5-Franc Coin Door Assy A020635-02
	A006794-03	1	Coin Door — Consists of items listed after A006794-07 Used only on 1-Deutschmarc Coin Door Assy A020635-03
	A006794-04	1	Coin Door — Consists of items listed after A006794-07 Used only on 1-Krona Coin Door Assy A020635-04
	A006794-05	1	Coin Door — Consists of items listed after A006794-07 Used only on 100-Yen Coin Door Assy A020635
	A006794-06	1	Coin Door — Consists of items listed after A006794-07 Used only on 10-New Pence (1-Florin) Coin Door Assy A020635-06
	A006794-07	1	Coin Door — Consists of items listed as follows: Used only on Australian 20-Cent Coin Door Assy A020635-07
1	A007637-01	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 25-Cent Coin Door A006794-0
1	A007637-02	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 5-Franc Coin Door A006794-02
1	A007637-03	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 1-Deutschmark Coin Door A006794-03
1	A007637-04	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 1-Krona Coin Door A006794-04
1	A007637-05	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 100-Yen Coin Door A006794-05
1	A007637-06	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on 10-New Pence (1-Florin) Coin Door A0067904-06
1	A007637-07	1	Front Bezel Assy — Consists of items 1A thru 1G Used only on Australian 20-Cent Coin Door A006794-07
1A	004328-01	1	Bezel
1B	75-991401	6	Thread Cutting Nut — PALNUT # SR188006 Used for attaching Bezel to Coin Door Weldment (item6)
1B	004330-01	2	Ring Used only on Coin Door A007637-01, -02, and -04
1B	009153-01	2	Ring Used only on Coin Door A007637-03
1B	009520-01	2	Ring Used only on Coin Door A007637-05
1B	007752-01	2	Ring Used only on Coin Door A007637-06 and -07
1C	004331-01	2	Coin Shield
1D	004332-01	2	Primary Coin Chute
	75-9914001	6	Thread Cutting Nut — PALNUT #SR188006 Used for attaching Ring, Coin Shield, and Primary Coin Chute to Bezel
1E	0043327-01	2	Scavenger Button Bearing
	73-3009	2	Retaining Ring for Shaft Diameter of 0.375" — TRUARC #5103-37 Used for attaching Scavenger Button Bearing to Bezel
1F	004343-01	1	25-Cent Price Plate
1F	004343-06	1	5-Marc Price Plate
1F	004343-04	1	1-Deutschmarc Price Plate
1F	004343-03	1	1-Krona Price Plate
1F	004343-05	1	100-Yen Price Plate
1F	004343-02	1	10-New Pence (1-Florin) Price Plate
1F	004343-07	1	Australian 20-Cent Price Plate

ITEM	PART NUMBER	QTY	DESCRIPTION
1G	04329-01	2	Price Plate Clamp Used for attaching Price Plate to the BezHI
	72-1604s	2	#6-32x1/4" Cross-Recessed Pan-Head Steel Machine Screw Used for attaching bottom Price Plate Clamp to Bezel, Top Price Plate Clamp is attached to bezel with screw fed thru Test Switch Bracket (item 0) and Anti-Probe Plate (item 25).
3	A007639-01	1	Coin Lock-Out Assy
	75-00516	2	Used for attaching Key Loop and Coin Lock-Out Assy to Coin Door Weldment studs
4	A007640-01	2	Coin Switch Assy -- Consists of items 4A thru 4C. Please note mounting position method of eliminating "Free game for punching coin door
4A	004342-01	1	Switch Mounting Plate
	75-946C	2	Locknut #6-32 used to hold Switch Mounting Plate on studs from Secondary Coin Chute item 7
4B	65-071C	1	Miniature Switch — Cherry #E51-60B
	72-HA4412	2	#4-40x5/8"
4C	008824-01	1	Wireform
5	A002465-01	1	Coin Counter Assy — Consists of items 5A thru 5C
5A	47-1002	1	
5B	79-58027	1	3-Circuit Plug Shell - Molex #03-09-1031
5C	79-20115	2	Connector Terminal Contract — Molex #02-09-2118
	75-946C	4	Locknut #6-32 Used for attaching Coin Counter Assy to Coin Door Weldment studs.
6	004320-01	1	Coin Door Weldment
7	004341-01	2	Secondary Coin Chute
8	004344-01	1	Key Loop
9	004340-01	2	Return Spring
	75-946C	2	Locknut #6-32 Used for attaching Spring to Weldment Studs
10	004337-01	2	Bracket, Wire Form
	75-946C	4	Locknut #6-32 Used for attaching Bracket to Weldment Studs
	004338-01	1	Lockout Wireform, Right Hand
12	004336-01	1	Lockout Wireform, Left Hand
13	004326-01	2	Scavenger Button
	73-3008	2	'C' Ring used to hold Scavenger Button
15	006904-01	2	Spacer
16	007359-01	1	Lamp Socket
	70-11-47	1	Lamp
	75-946C	1	Locknut #6-32 Used for attaching Lamp Socket to Weldment Stud
	008629-01	2	Return Spring Used to hold Coin Mech in place
23	71-2118	1	Lock Assembly, Hudson
24	71-1225CU	2	Coin Mech 25-Cents for A006794-01
24	71-125FB	2	Coin Mech 5-Franc for A006794-02
24	71-121MG	2	Coin Mech I Deutschmark for A006794-03
24	71-121KS	2	Coin Mech I Krona for A006794-04
24	71-12100YJ	2	Coin Mech 100 Yen for A006794-05
24	71-1210PE	2	Coin Mech 10-New Pence (1-Florin) for A006794-06
24	71-1220CA	2	Coin Mech Australian 20 Cent for A006794-07
25	007753-01	1	Anti-Probe Plate
26	A007638-01	1	Slam Switch Assy
	75-946C	2	Locknut #6-32 Used to hold Slam Switch Assy to Weldment Stud



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DESIG- NATION	LOCA- TION	ITEM	PART NUMBER	DESCRIPTION
C1		18	24-250478	4700 μ f, +50%, -10%, 25WVDC Electrolytic Capacitor
C2		19	24-250477	470 μ f, +50%, -10%, 25WVDC Electrolytic Capacitor
C3, C4		16	24-151506	50 μ f, +50%, -10%, 150WVDC Electrolytic Capacitor
C5		17	24-250106	10 μ f, +50%, -10%, 25WVDC Electrolytic Capacitor
C6		20	24-350105	1.0 μ f, +50%, -10%, 25WVDC Electrolytic Capacitor
C7		21	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C8		23	28-101101	100 μ f, $\pm$ 5%, 100V Mica Capacitor
C9-C14		21	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C15, C16		22	27-250103	0.01 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C18, C19		21	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
CR1		55	32-1N5335	3.9V Zener Diode—Type 1N5335
CR3, CR4		28	32-1N5235	6.8V Zener Diode—Type 1N5235
CR5		27	32-P6KE30	Transient Suppressor Diode
CR10-CR12		26	31-1N4005	General Purpose Rectifier—Type 1N4005
CR13-CR14		30	32-1N4763A	91V Zener Diode—Type 1N4763A
CR15-CR18		26	32-1N4005	General Purpose Rectifier—Type 1N4005
CR19		29	32-1N5242B	12V Zener Diode—Type 1N5242B
CR20		25	31-1N914	General Purpose Signal Diode—Type 1N914
CR21		56	32-1N5230	4.7V Zener Diode—Type 1N5230
CR22		26	32-1N4005	General Purpose Rectifier—Type 1N4005
J11		52	79-58123	4-Pin Header—Amphenol P.N. 350431-1
J13		53	79-58124	6-Pin Header—Amphenol P.N. 350761-4
Q1		33	34-2N3643	Silicon NPN Tuned RF Power Amplifier— Type 2N3643
Q2		31	33-2N3644	Silicon PNP General Purpose Amplifier— Type 2N3644
Q3		34	34-2N3583	Silicon NPN General Purpose Amplifier— Type 2N3583
Q4		37	33-2N6420	Silicon PNP General Purpose Amplifier— Type 2N6420
			72-1408C	#4-40x1/2" Phillips Pan-Head Stainless Steel Machine Screw Quantity of four used for mounting transistors Q3 and Q4
			75-014S	#4 Flat Steel Washer Quantity of four used for mounting transistors Q3 and Q4
			75-054S	#4 Internal Tooth Steel Lock Washer Quantity of four used for mounting transistors Q3 and Q4
			75-914C	#4-40 Hexagonal Stainless Steel Nut Quantity of four used for mounting transistors Q3 and Q4
			75-09012T	Teflon Shoulder Washer—Seastrom P.N. 5608-69 Quantity of four used for mounting transistors Q3 and Q4
			78-0A01	Nylon Transistor Insulating Cover—Size TO-66 Quantity of two used for covering transistors Q3 and Q4
			78-16011	Thermally Conductive Insulator—Size TO-66 Quantity of two used for mounting transistors Q3 and Q4
			78-06002	Heatsink—Thermalloy P.N. 6111B-66 Quantity of two used for mounting transistors Q3 and Q4



CABINET SUB-ASSEMBLY

AUXILLIARY PCB
 A006407-01

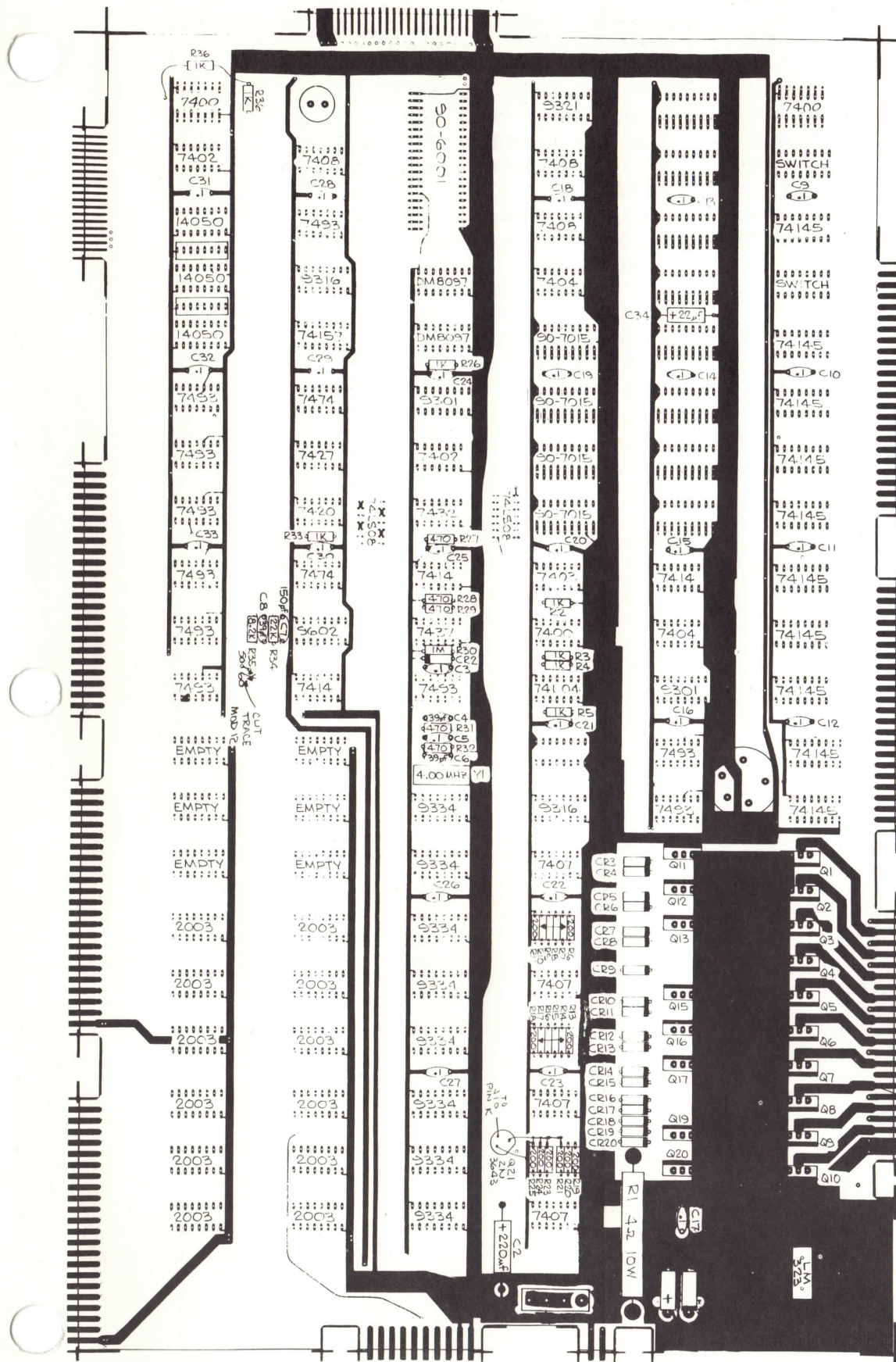


CABINET SUB-ASSEMBLY

AUXILIARY PCB
A006407-01

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
Q5		36	34-2N6282	Darlington Silicon NPN Power Transistor— Type 2N6282
			72-1608C	#6-32x1/2" Phillips Pan-Head Stainless Steel Screw Quantity of two used for mounting transistor Q5
			75-016S	#6 Flat Steel Washer Quantity of two used for mounting transistor Q5
			75-056S	#6 Internal Tooth Steel Lock Washer Quantity of two used for mounting transistor Q5
			75-916C	#6-32 Hexagonal Steel Nut Quantity of two used for mounting transistor Q5
			75-09015	Teflon Shoulder Washer—Seastrom P.N. 5605-25 Quantity of two used for mounting transistor Q5
			78-06012	Modified Heatsink—Wakefield P.N. 641-V Used for mounting transistor Q5
Q6-Q9		32	33-2N5883	Silicon PNP General Purpose Amplifier— Type 2N5883
			72-1608C	#6-32x1/2" Phillips Pan-Head Stainless Steel Screw Quantity of eight used for mounting transistors Q6-Q9
			75-016S	#6 Flat Steel Washer Quantity of eight used for mounting transistors Q6-Q9
			75-056S	#6 Internal Tooth Steel Lock Washer Quantity of eight used for mounting transistors Q6-Q9
			75-916C	#6-32 Hexagonal Stainless Steel Nut Quantity of eight used for mounting transistors Q6-Q9
R1		15	19-311502	5000 ohm Linear Vertical PC Mounting Carbon Trimpot
R2		4	10-5183	18k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R3		8	10-5683	68k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R4		9	10-5822	8.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R5		7	10-5333	33k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R6-R9		9	10-5822	8.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R10		5	10-52P7	2.7 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R11		57	10-5101	100 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R12		7	10-5333	33k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R13		9	10-8522	8.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R14		3	10-5152	1.5k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R15		2	10-5122	1.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R16		8	10-5683	68k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R17		7	10-5333	33k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R18		4	10-5183	18k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R19		9	10-5822	8.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R21, R22		69	10-5201	200 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R24, R25		11	12-5153	15k ohm, $\pm 5\%$, 1W Carbon Composition Resistor
R26, R27		6	10-5331	330 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R28, R29		10	11-5220	22 ohm, $\pm 5\%$, 1/2W Carbon Composition Resistor
R30, R31		8	10-5683	68k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R33		67	10-5221	220 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
R35		45	11-5391	390 ohm, $\pm 5\%$, 1/2W Carbon Composition Resistor
R36		50	12-5103	10k ohm, $\pm 5\%$, 1W Carbon Composition Resistor
R37, R38		13	16-5752	7.5k ohm, $\pm 5\%$, 5W Carbon Composition Resistor
R39		6	10-5331	330 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
R40, R41 R42-R45 R46, R47 R48	A1 A2, A3 B1 C1 C2 D1 D2 D3	39 42 24 40 43 38 41 43	13-5390	39 ohm, $\pm 5\%$, 2W Carbon Composition Resistor
			10-5822	8.2k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
			13-5390	39 ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
			10-5204	200k ohm, $\pm 5\%$, 1/4W Carbon Composition Resistor
			37-MC1413	Darlington NPN Transistor Array—Type MC1413
			37-7402	Quad 2-Input NOR Gate—Type 7402
			3A-MDA100A	Full-Wave Bridge Rectifier Network
			37-741	General Purpose Operational Amplifier— Type μ A741
			37-7407	Hex Buffer/Driver—Type 7407
			37-LM380	Audio Power Amplifier—Type LM380
			37-4016	Quad Bilateral Switch—Type CD4016AE
			37-7407	Hex Buffer/Driver—Type 7407



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DESIG- NATION	LOCA- TION	ITEM	PART NUMBER	DESCRIPTION
C1		58	29-006	1 μ f, $\pm$ 10%, 35V Electrolytic Tantalum Capacitor
C2		8	24-250227	220 μ f, $\pm$ 50%, -10%, 25V Axial Lead Fixed Electrolytic Capacitor
C3		9	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C4		10	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C5		9	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C6		10	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C7		75	28-101151	150 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C8		10	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C9-C33		9	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C34		73	29-007	22 μ f, $\pm$ 10%, 15V Electrolytic Tantalum Capacitor
CR1		11	32-P6KE18	Transient Suppressor Diode General Semiconductor Industries P.N. P6KE18
CR2, CR5, CR6, CR8-CR11, CR14-CR20		12	31-1N914	General Purpose Silicone Signal Diode—Type 1N914
J9		49	79-58122	4-Pin Header
LM323		14	37-LM323	Voltage Regulator—Type LM323
			72-1608S	#6-32x1/2" Phillips Pan-Head Steel Machine Screw Quantity of two used for mounting Regulator LM323
			75-016S	#6 Flat Steel Screw Quantity of two used for mounting Regulator LM323
			75-056S	#6 Internal Tooth Steel Lock Washer Quantity of two used for mounting Regulator LM323
			75-916S	#6-32 Hexagonal Cadmium Nut Quantity of two used for mounting Regulator LM323
			78-06001	Heatsink—Wakefield P.N. 690 Used for mounting Regulator LM323
			78-16005	Thermally Conductive Insulator for size TO-3 Used for mounting Regulator LM323
Q2-Q5, Q7-Q10, Q12, Q15, Q17, Q19, Q20 Q21		13	34-2N6044	Darlington Silicone NPN Transistor—Type 2N6044
R1		76	34-2N3643	Silicone NPN Transistor—Type 2N3643
R2-R5		7	19-808W4PO	4 ohm, $\pm$ 20%, 10W Special Wirewound Resistor
R7, R9, R14-R21, R23-R25		2	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R26		74	10-5201	200 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R27-R29		2	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R31, R32		4	10-5471	470 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R33		4	10-5471	470 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R34		2	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R35		3	10-5223	22k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R36		5	10-5822	8.2k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
A1		2	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
A2		18	37-7400	Quad 2-Input NAND Gate—Type 7400
A3-A5		19	37-7402	Quad 2-Input NOR Gate—Type 7402
A3/4, A4/5		16	37-MC14050	Hex Buffer—Type MC14050
		6	19-007	10k ohm Resistor Network



CABINET SUB-ASSEMBLY

PROCESSOR PCB
 A006020-01, -05



CABINET SUB-ASSEMBLY

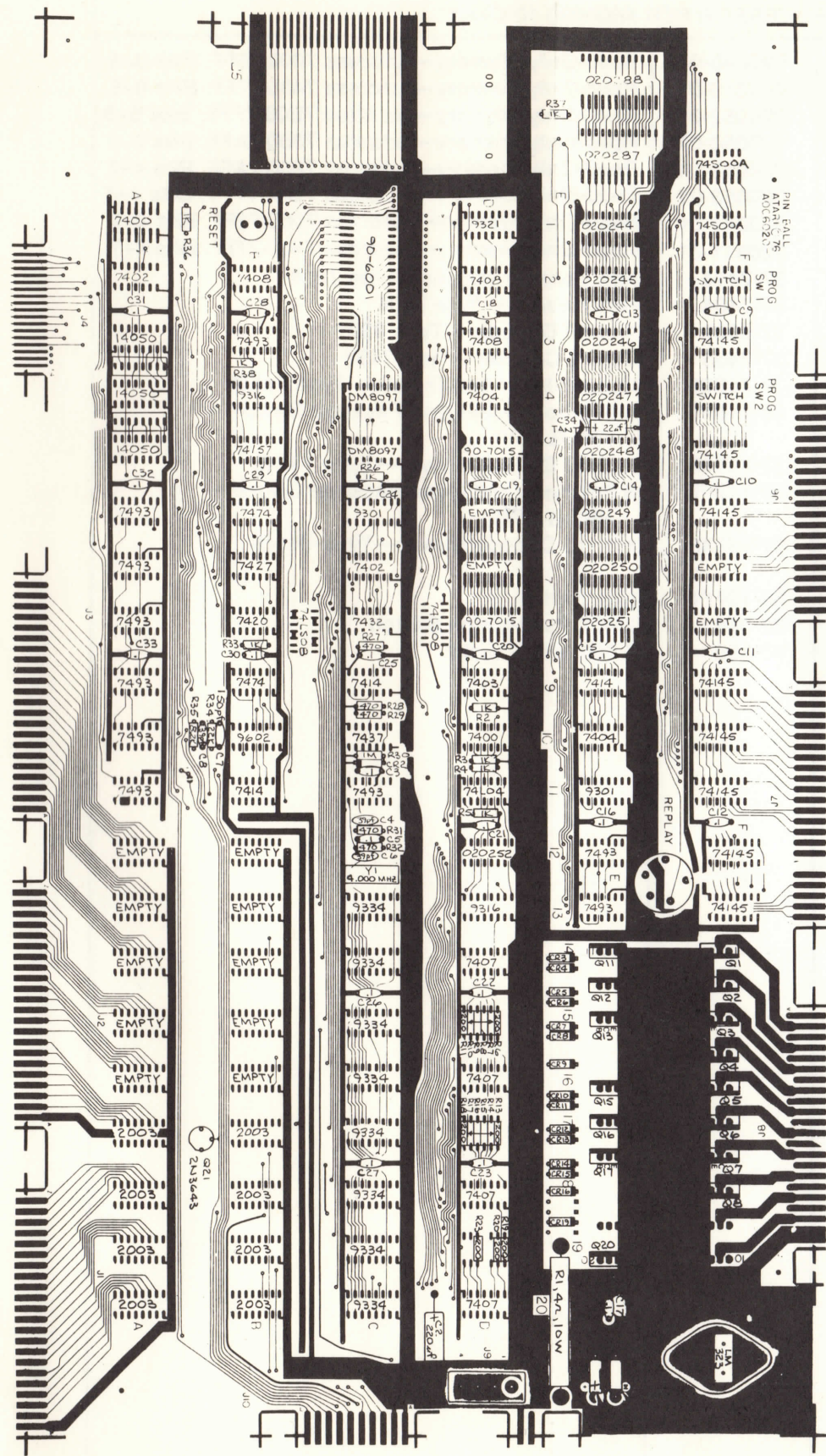
PROCESSOR PCB
A006020-01, -05

Section C
Sheet 40

March 10/78

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
	A6-A11	30	37-7493	4-Bit Binary Counter—Type 7493
	A17-A20	15	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B2	23	37-7408	Quad 2-Input AND Gate—Type 7408
	B3	30	37-7493	4-Bit Binary Counter—Type 7493
	B4	35	37-9316	4-Bit Binary Counter—Type 9316
	B5	32	37-74157	Quad 2-Input Multiplexer—Type 74157
	B6	29	37-7474	Dual D Flip-Flop—Type 7474
	B7	26	37-7427	Triple 3-Input NOR Gate—Type 7427
	B8	25	37-7420	Dual 4-Input NAND Gate—Type 7420
	B9	29	37-7474	Dual D Flip-Flop—Type 7474
	B10	38	37-9602	Dual One-Shot Multivibrator—Type 9602
	B11	24	37-7414	Hex Schmitt Trigger—Type 7414
	B17-B20	15	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B/C8	55	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	C1	54	90-6001	Microprocessor—Type MC6800L
		48	79-42040	Medium Insertion 40 Position Socket Used for mounting Microprocessor C1
	C4, C5	33	37-8091	Tri-State Hex Buffer—Type 8T97
	C6	34	37-9301	1-of-10 Decoder—Type 9301
	C7	19	37-7402	Quad 2-Input NOR Gate—Type 7402
	C8	27	37-7432	Quad 2-Input OR Gate—Type 7432
	C9	24	37-7414	Hex Schmitt Trigger—Type 7414
	C10	28	37-7437	Quad 2-Input NAND Buffer—Type 7437
	C11	30	37-7493	4-Bit Binary Counter—Type 7493
	C13-C20	37	37-9334	8-Bit Addressable Latch—Type 9334
	C/D8	55	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	D1	36	37-9321	Dual 1-of-4 Decoder—Type 9321
	D2, D3	23	37-7408	Quad 2-Input AND Gate—Type 7408
	D4	21	37-7404	Hex Inverter—Type 7404
	D5-D8	52	90-7015	Random Access Memory—Type 2111A
	D9	20	37-7403	Quad 2-Input NAND Gate (open collector)— Type 7403
	D10	18	37-7400	Quad 2-Input NAND Gate—Type 7400
	D11	17	37-74L04	Hex Inverter—Type 74L04
	D13	35	37-9316	4-Bit Binary Counter—Type 9316
	D14, D16, D18, D20	22	37-7407	Hex Buffer/Driver—Type 7407
PROGRAM MEMORY FOR PROCESSOR PCB 006020-01 ONLY				
	E1	64	006990-01	Read-Only-Memory—Address 7000-73FF, Bits 0-3
	E2	66	006992-01	Read-Only-Memory—Address 7400-77FF, Bits 0-3
	E3	70	006996-01	Read-Only-Memory—Address 7B00-7FFF, Bits 0-3
	E4	68	006994-01	Read-Only-Memory—Address 7800-7AFF, Bits 0-3
	E5	69	006995-01	Read-Only-Memory—Address 7800-7AFF, Bits 4-7
	E6	71	006997-01	Read-Only-Memory—Address 7B00-7FFF, Bits 4-7
	E7	65	006991-01	Read-Only-Memory—Address 7000-73FF, Bits 4-7
	E8	67	006993-01	Read-Only-Memory—Address 7400-77FF, Bits 4-7
PROGRAM MEMORY FOR PROCESSOR PCB A006020-05 ONLY				
		64	020154-01	Read-Only-Memory—Address 7000-73FF, Bits 0-3
		66	020155-01	Read-Only-Memory—Address 7400-77FF, Bits 0-3
		70	020156-01	Read-Only-Memory—Address 7B00-7FFF, Bits 0-3
		68	020157-01	Read-Only-Memory—Address 7800-7AFF, Bits 0-3
		69	020158-01	Read-Only-Memory—Address 7800-7AFF, Bits 4-7
		71	020159-01	Read-Only-Memory—Address 7B00-7FFF, Bits 4-7
		65	020160-01	Read-Only-Memory—Address 7000-73FF, Bits 4-7
		67	020161-01	Read-Only-Memory—Address 7400-77FF, Bits 4-7

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
	E9	24	37-7414	Hex Schmitt Trigger—Type 7414
	E10	21	37-7404	Hex Inverter—Type 7404
	E11	34	37-9301	1-of-10 Decoder—Type 9301
	E12, E13	30	37-7493	Binary Counter—Type 7493
	F1	18	37-7400	Quad 2-Input NAND Gate—Type 74S00
	F2	40	66-118PIT	8 Position Dual-Inline-Package Switch— PROG SW1
	F3	31	37-74145	1-of-10 Decoder/Driver—Type 74145
	F4	40	66-118PIT	8 Position Dual-Inline-Package Switch— PROG SW2
	F5, F6, F9-F12	31	37-74145	1-of-10 Decoder/Driver—Type 74145
	REPLAY	56	66-12FPIT	Hex Switch
	RESET	39	62-001	SPST Pushbutton Switch
	Y1	50	90-108	4.000 MHz Crystal



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DESIG- NATION	LOCA- TION	ITEM	PART NUMBER	DESCRIPTION
C1		16	29-006	1 μ f, $\pm$ 10%, 35V Electrolytic Tantalum Capacitor
C2		12	24-250227	220 μ f, $\pm$ 50%, -10%, 25V Axial Lead Fixed Electrolytic Capacitor
C3		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C4		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C5		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C6		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C7		15	28-101151	150 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C8		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C9-C33		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C34		17	29-007	22 μ f, $\pm$ 10%, 15V Electrolytic Tantalum Capacitor
CR1		20	32-P6KE18	Transient Suppressor Diode General Semiconductor Industries P.N. P6KE18
CR2-16-19		19	31-1N914	General Purpose Silicone Signal Diode—Type 1N914
CR8-CR15				
CR19				
J9		63	79-58122	4-Pin Header
LM323		46	37-LM323	Voltage Regulator—Type LM323
		54	72-1608S	#6-32x1/2" Phillips Pan-Head Steel Machine Screw Quantity of two used for mounting Regulator LM323
		55	75-016S	#6 Flat Steel Screw Quantity of two used for mounting Regulator LM323
		56	75-056S	#6 Internal Tooth Steel Lock Washer Quantity of two used for mounting Regulator LM323
		57	75-916S	#6-32 Hexagonal Cadmium Nut Quantity of two used for mounting Regulator LM323
		58	78-06001	Heatsink—Wakefield P.N. 690 Used for mounting Regulator LM323
		59	78-16005	Thermally Conductive Insulator for size TO-3 Used for mounting Regulator LM323
		21	34-2N6044	Darlington Silicone NPN Transistor—Type 2N6044
Q1-Q8, Q11, Q13, Q15-Q17, Q20				
Q21		22	34-2N3643	Silicone NPN Transistor—Type 2N3643
R1		10	19-808W4PO	4 ohm, $\pm$ 20%, 10W Special Wirewound Resistor
R2-R5		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R6-R11, R13, R20, R23		2	10-5201	200 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R26		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R27-R29		3	10-5417	470 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R30		7	10-5105	1M ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R31, R32		3	10-5417	470 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R33		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R34		6	10-5223	22k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R35		5	10-5822	8.2k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R36		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R37-R38		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor Used on Processor PCB A006020-06, -07, and -10 only
A1		23	37-7400	Quad 2-Input NAND Gate—Type 7400
A2		24	37-7402	Quad 2-Input NOR Gate—Type 7402



CABINET SUB-ASSEMBLY

PROCESSOR PCB
 A006020-03, -06,
 -07, -10

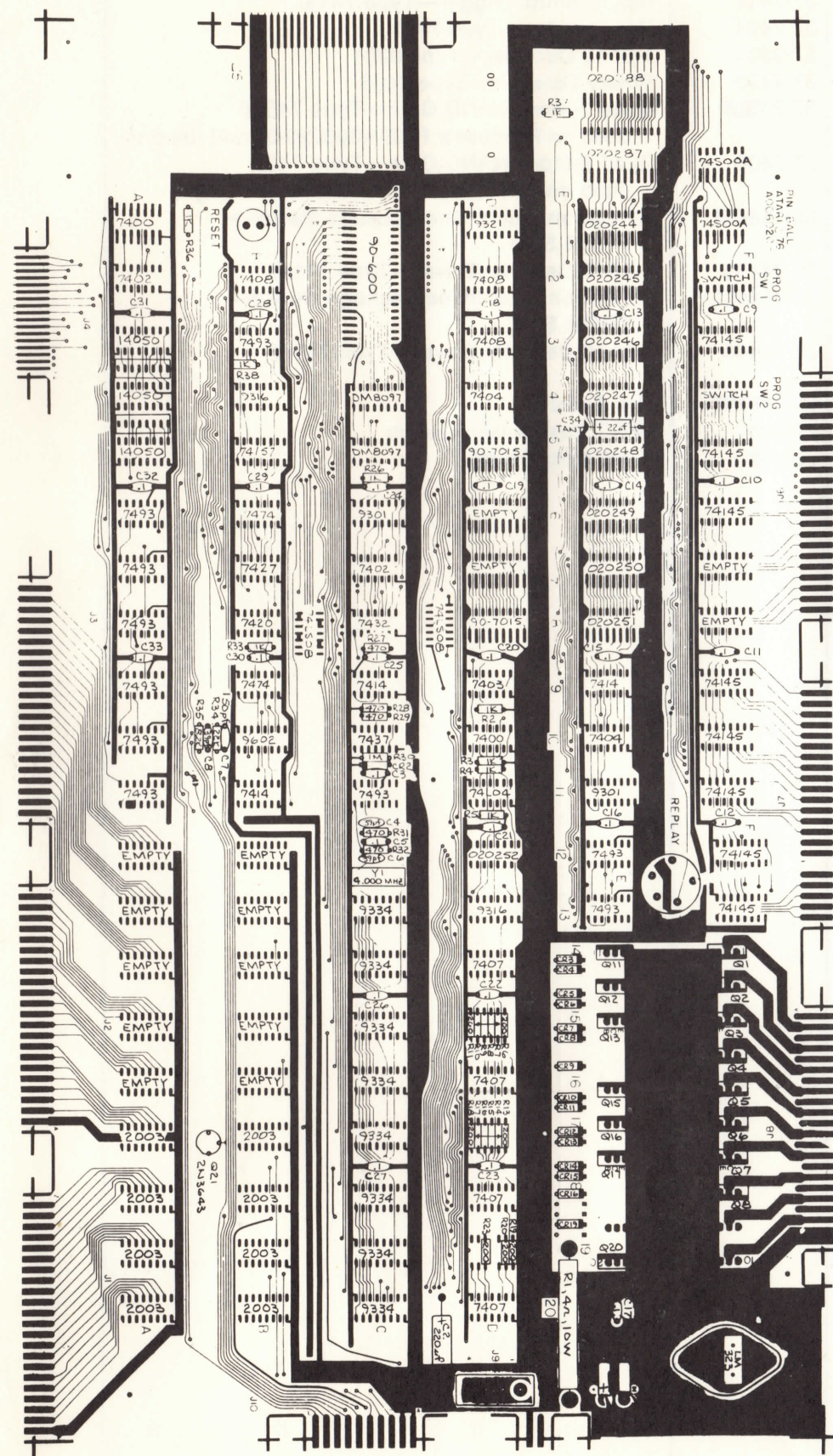


CABINET SUB-ASSEMBLY

PROCESSOR PCB
A006020-03, -06,
-07, -10

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
	A3-A5	48	37-MC14050	Hex Buffer—Type MC14050
	A3/4, A4/5	9	19-007	10k ohm Resistor Network
	A6-A11	37	37-7493	4-Bit Binary Counter—Type 7493
	A17-A20	47	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B2	29	37-7408	Quad 2-Input AND Gate—Type 7408
	B3	37	37-7493	4-Bit Binary Counter—Type 7493
	B4	42	37-9316	4-Bit Binary Counter—Type 9316
	B5	39	37-74157	Quad 2-Input Multiplexer—Type 74157
	B6	36	37-7474	Dual D Flip-Flop—Type 7474
	B7	33	37-7427	Triple 3-Input NOR Gate—Type 7427
	B8	32	37-7430	Dual 4-Input NAND Gate—Type 7420
	B9	36	37-7474	Dual D Flip-Flop—Type 7474
	B10	45	37-9602	Dual One-Shot Multivibrator—Type 9602
	B11	31	37-7414	Hex Schmitt Trigger—Type 7414
	B17-B20	47	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B/C8	30	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	C1	65	90-6001	Microprocessor—Type MC6800L
	C1	62	79-42040	Medium Insertion 40 Position Socket
	C4, C5	40	37-8090	Tri-State Hex Buffer—Type 8T97
	C6	41	37-9301	1-of-10 Decoder—Type 9301
	C7	24	37-7402	Quad 2-Input NOR Gate—Type 7402
	C8	34	37-7432	Quad 2-Input OR Gate—Type 7432
	C9	31	37-7414	Hex Schmitt Trigger—Type 7414
	C10	35	37-7437	Quad 2-Input NAND Buffer—Type 7437
	C11	37	37-7493	4-Bit Binary Counter—Type 7493
	C13-C20	44	37-9334	8-Bit Addressable Latch—Type 9334
	C/D8	30	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	D1	43	37-9321	Dual 1-of-4 Decoder—Type 9321
	D2, D3	29	37-7408	Quad 2-Input AND Gate—Type 7408
	D4	26	37-7404	Hex Inverter—Type 7404
	D5, D8	66	90-7015	Random Access Memory—Type 2111A
	D9	25	37-7403	Quad 2-Input NAND Gate (open collector)—Type 7403
	D10	23	37-7400	Quad 2-Input NAND Gate—Type 7400
	D11	27	37-74L04	Hex Inverter—Type 74L04
	D12	77	007028-01	Audio Random Access Memory
	D13	42	37-9316	4-Bit Binary Counter—Type 9316
	D14, D16, D18, D20	28	37-7407	Hex Buffer/Driver—Type 7407
PROGRAM MEMORY FOR PROCESSOR PCB 006020-07 ONLY				
	E00	79	020286-01	Read-Only-Memory
	E0	78	020285-01	Read-Only-Memory
PROGRAM MEMORY FOR PROCESSOR PCB A006020-03, -06 ONLY				
	E1	69	020046-01	Read-Only-Memory—Address 7000-73FF, Bits 0-3
	E2	71	020048-01	Read-Only-Memory—Address 7400-77FF, Bits 0-3
	E3	75	020052-01	Read-Only-Memory—Address 7B00-7FFF, Bits 0-3
	E4	73	020050-01	Read-Only-Memory—Address 7800-7AFF, Bits 0-3
	E5	74	020051-01	Read-Only-Memory—Address 7800-7AFF, Bits 4-7
	E6	76	020053-01	Read-Only-Memory—Address 7B00-7FFF, Bits 4-7
	E7	70	020047-01	Read-Only-Memory—Address 7000-73FF, Bits 4-7
	E8	72	020049-01	Read-Only-Memory—Address 7400-77FF, Bits 4-7

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
PROGRAM MEMORY FOR PROCESSOR PCB A006020-10 ONLY				
	E1	69	020046-01	Read-Only-Memory—Address 7000-73FF, Bits 0-3
	E2	71	020310-01	Read-Only-Memory—Address 7400-77FF, Bits 0-3
	E3	75	020052-01	Read-Only-Memory—Address 7B00-7FFF, Bits 0-3
	E4	73	020050-01	Read-Only-Memory—Address 7800-7AFF, Bits 0-3
	E5	74	020051-01	Read-Only-Memory—Address 7800-7AFF, Bits 4-7
	E6	76	020053-01	Read-Only-Memory—Address 7B00-7FFF, Bits 4-7
	E7	70	020047-01	Read-Only-Memory—Address 7000-73FF, Bits 4-7
	E8	72	020311-01	Read-Only-Memory—Address 7400-77FF, Bits 4-7
	E9	31	37-7414	Hex Schmitt Trigger—Type 7414
	E10	26	37-7404	Hex Inverter—Type 7404
	E11	41	37-9301	1-of-10 Decoder—Type 9301
	E12, E13	37	37-7493	Binary Counter—Type 7493
	F0, F1	80	37-74S00	Quad 2-Input NAND Gate—Type 74S00
	F2	52	66-118PIT	8 Position Dual-Inline-Package Switch—PROG SW1
	F3	38	37-74145	1-of-10 Decoder/Driver—Type 74145
	F4	52	66-118PIT	8 Position Dual-Inline-Package Switch—PROG SW2
	F5, F6, F9-F12	38	37-74145	1-of-10 Decoder/Driver—Type 74145
	REPLAY	53	66-12FPIT	Hex Switch
	RESET	51	62-001	SPST Pushbutton Switch
	Y1	64	90-108	4.000 MHz Crystal



DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
C1		16	29-006	1 μ f, $\pm$ 10%, 35V Electrolytic Tantalum Capacitor
C2		12	24-250227	220 μ f, +50%, -10%, 25V Axial Lead Fixed Electrolytic Capacitor
C3		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C4		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C5		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C6		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C7		15	28-101151	150 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C8		14	28-101390	39 μ f, $\pm$ 5%, 100V Radial Lead Dipped Mica Capacitor
C9-C33		13	27-250104	0.1 μ f, $\pm$ 20%, 25V Disc Ceramic Capacitor
C34		17	29-007	22 μ f, $\pm$ 10%, 15V Electrolytic Tantalum Capacitor
CR1		20	32-P6KE18	Transient Suppressor Diode General Semiconductor Industries P.N. P6KE18
CR2-CR16, CR19 CR19 J9 LM323		19	31-1N914	General Purpose Silicone Signal Diode—Type 1N914
		63	79-58122	4-Pin Header
		46	37-LM323	Voltage Regulator—Type LM323
		54	72-1608S	#6-32x1/2" Phillips Pan-Head Steel Machine Screw Quantity of two used for mounting Regulator LM323
		55	75-016S	#6 Flat Steel Screw Quantity of two used for mounting Regulator LM323
		56	75-056S	#6 Internal Tooth Steel Lock Washer Quantity of two used for mounting Regulator LM323
		57	75-916S	#6-32 Hexagonal Cadmium Nut Quantity of two used for mounting Regulator LM323
		58	78-06001	Heatsink—Wakefield P.N. 690 Used for mounting Regulator LM323
		59	78-16005	Thermally Conductive Insulator for size TO-3 Used for mounting Regulator LM323
Q1-Q8, Q11, Q12, Q15-Q17, Q20 Q21 R1		21	34-2N6044	Darlington Silicone NPN Transistor—Type 2N6044
R2-R5		22	34-2N3643	Silicone NPN Transistor—Type 2N3643
R6-R11, R13-R20, R23 R26		10	19-808W4PO	4 ohm, $\pm$ 20%, 10W Special Wirewound Resistor
R27-R29 R30		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R31, R32		2	10-5201	200 ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R33				
R34		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R35		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R36		6	10-5223	22k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R37, R38		5	10-5822	8.2k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
		4	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor Used on Processor PCB A006020-08 and -09 only
A1		23	37-7400	Quad 2-Input NAND Gate—Type 7400
A2		24	37-7402	Quad 2-Input NOR Gate—Type 7402
A3-A5		48	37-MC14050	Hex Buffer—Type MC14050



CABINET SUB-ASSEMBLY

PROCESSOR PCB
A006020-04, -08,
-09

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
	A6-A11	37	37-7493	4-Bit Binary Counter—Type 7493
	A16-A20	47	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B2	29	37-7408	Quad 2-Input AND Gate—Type 7408
	B3	37	37-7493	4-Bit Binary Counter—Type 7493
	B4	42	37-9316	4-Bit Binary Counter—Type 9316
	B5	39	37-74157	Quad 2-Input Multiplexer—Type 74157
	B6	36	37-7474	Dual D Flip-Flop—Type 7474
	B7	33	37-7427	Triple 3-Input NOR Gate—Type 7427
	B8	32	37-7430	Dual 4-Input NAND Gate—Type 7420
	B9	36	37-7474	Dual D Flip-Flop—Type 7474
	B10	45	37-9602	Dual One-Shot Multivibrator—Type 9602
	B11	31	37-7414	Hex Schmitt Trigger—Type 7414
	B16-B20	47	37-MC1413	Darlington NPN Transistor Array—Type MC1413
	B/C8	30	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	C1	65	90-6001	Microprocessor—Type MC6800L
	C1	62	79-42040	Medium Insertion 40 Position Socket
	C4, C5	40	37-8090	Tri-State Hex Buffer—Type 8T97
	C6	41	37-9301	1-of-10 Decoder—Type 9301
	C7	24	37-7402	Quad 2-Input NOR Gate—Type 7402
	C8	34	37-7432	Quad 2-Input OR Gate—Type 7432
	C9	31	37-7414	Hex Schmitt Trigger—Type 7414
	C10	35	37-7437	Quad 2-Input NAND Buffer—Type 7437
	C11	37	37-7493	4-Bit Binary Counter—Type 7493
	C13-C20	44	37-9334	8-Bit Addressable Latch—Type 9334
	C/D8	30	37-74LS08	Quad 2-Input AND Gate—Type 74LS08
	D1	43	37-9321	Dual 1-of-4 Decoder—Type 9321
	D2, D3	29	37-7408	Quad 2-Input AND Gate—Type 7408
	D4	26	37-7404	Hex Inverter—Type 7404
	D5, D8	66	90-7015	Random Access Memory—Type 2111A
	D9	25	37-7403	Quad 2-Input NAND Gate (open collector)— Type 7403
	D10	23	37-7400	Quad 2-Input NAND Gate—Type 7400
	D11	27	37-74L04	Hex Inverter—Type 74L04
	D12	77	020252-01	Audio Random Access Memory
	D13	42	37-9316	4-Bit Binary Counter—Type 9316
	D14, D16, D18, D20	28	37-7407	Hex Buffer/Driver—Type 7407
PROGRAM MEMORY FOR PROCESSOR PCB A006020-09 ONLY				
	E00	79	020609-01	020288-01
	E0	78	020608-01	020287-01
PROGRAM MEMORY FOR PROCESSOR PCB A006020-04 AND -08 ONLY				
	E1	69	020244-01	Read-Only-Memory—Address 7000-73FF, Bits 0-3
	E2	71	020245-01	Read-Only-Memory—Address 7400-77FF, Bits 0-3
	E3	75	020246-01	Read-Only-Memory—Address 7B00-7FFF, Bits 0-3
	E4	73	020247-01	Read-Only-Memory—Address 7800-7AFF, Bits 0-3
	E5	74	020248-01	Read-Only-Memory—Address 7800-7AFF, Bits 4-7
	E6	76	020249-01	Read-Only-Memory—Address 7B00-7FFF, Bits 4-7
	E7	70	020250-01	Read-Only-Memory—Address 7000-73FF, Bits 4-7
	E8	72	020251-01	Read-Only-Memory—Address 7400-77FF, Bits 4-7

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
	E9	31	37-7414	Hex Schmitt Trigger—Type 7414
	E10	26	37-7404	Hex Inverter—Type 7404
	E11	41	37-9301	1-of-10 Decoder—Type 9301
	E12, E13	37	37-7493	Binary Counter—Type 7493
	F0, F1	80	37-74S00	Quad 2-Input NAND Gate—Type 74S00 Used on Processor PCB A006020-08 and -09 only
	F1	23	37-7400	Quad 2-Input NAND Gate—Type 7400 Used on Processor PCB A006020-04 only
	F2	52	66-118PIT	8 Position Dual-Inline-Package Switch— PROG SW1
	F3	38	37-74145	1-of-10 Decoder/Driver—Type 74145
	F4	52	66-118PIT	8 Position Dual-Inline-Package Switch— PROG SW2
	F5, F6, F9-F13	38	37-74145	1-of-10 Decoder/Driver—Type 74145
	REPLAY	53	66-12FPIT	Hex Switch
	RESET	51	62-001	SPST Pushbutton Switch
	Y1	64	90-108	4.000 MHz Crystal



BACK BOX ASSEMBLY

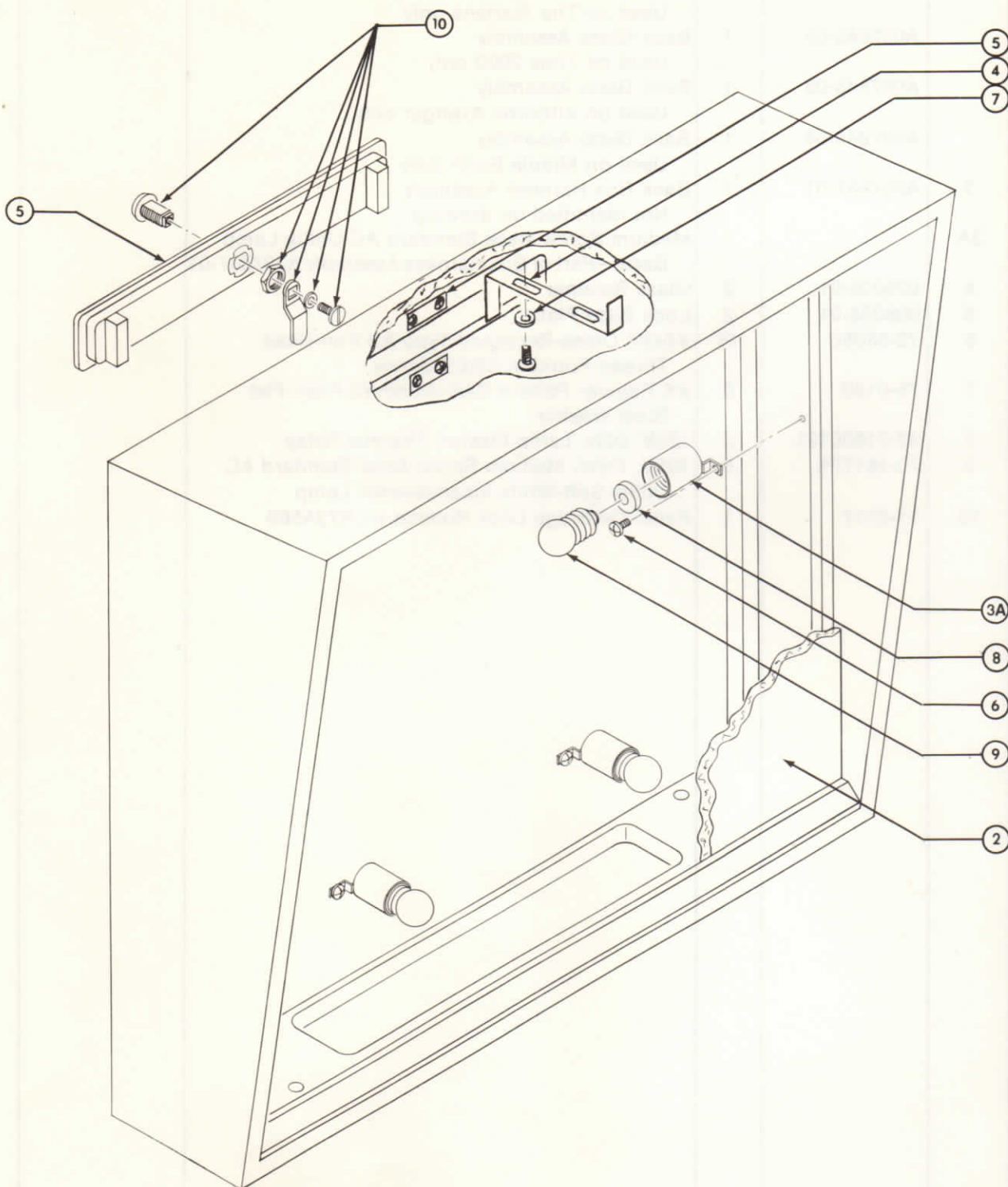
AIRBORNE AVENGER
MIDDLE EARTH

THE ATARIANS
TIME 2000

A006986-01
thru -04

Section **D**
Page 1

March 10, 76





BACK BOX ASSEMBLY

AIRBORNE AVENGER
MIDDLE EARTH

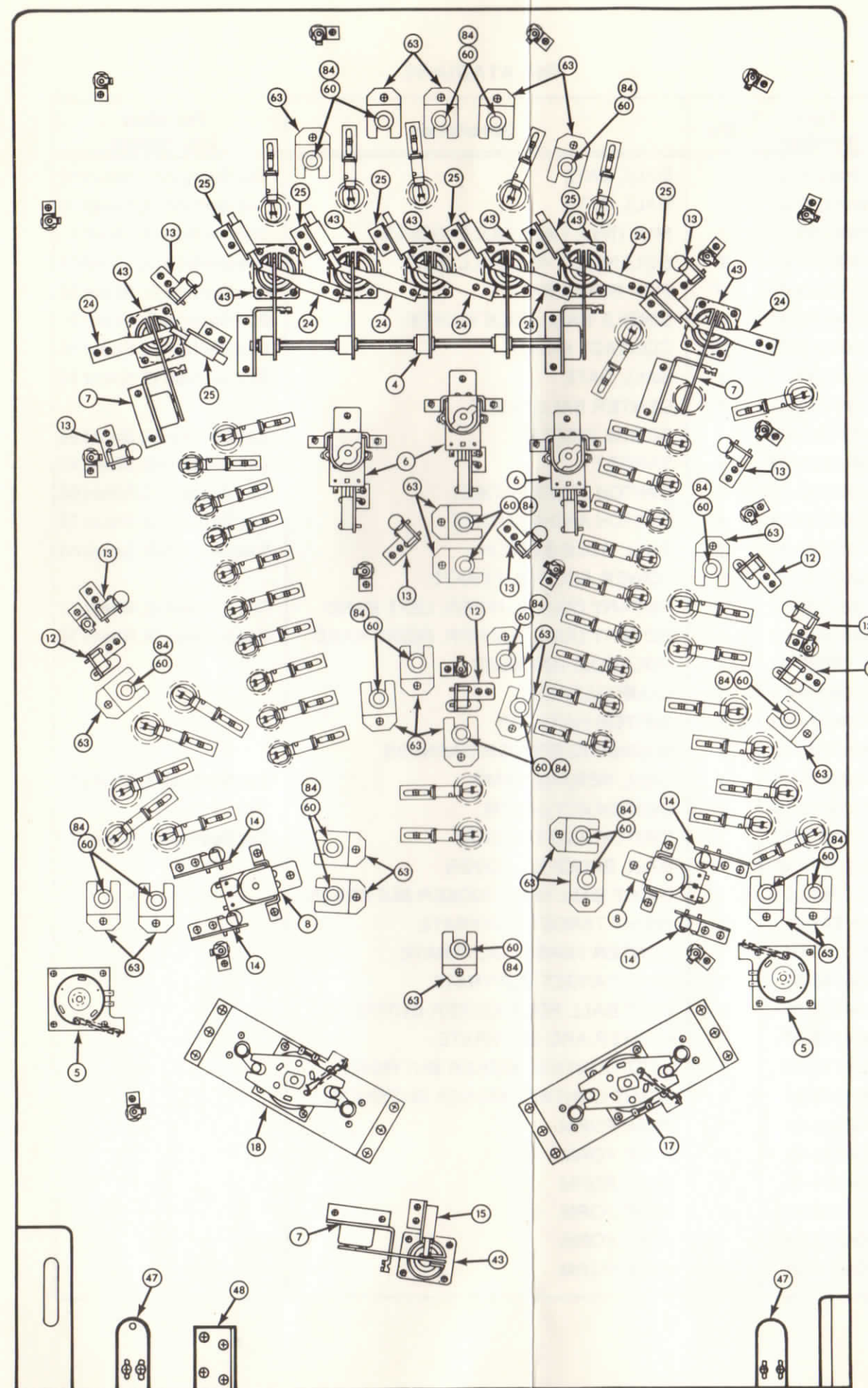
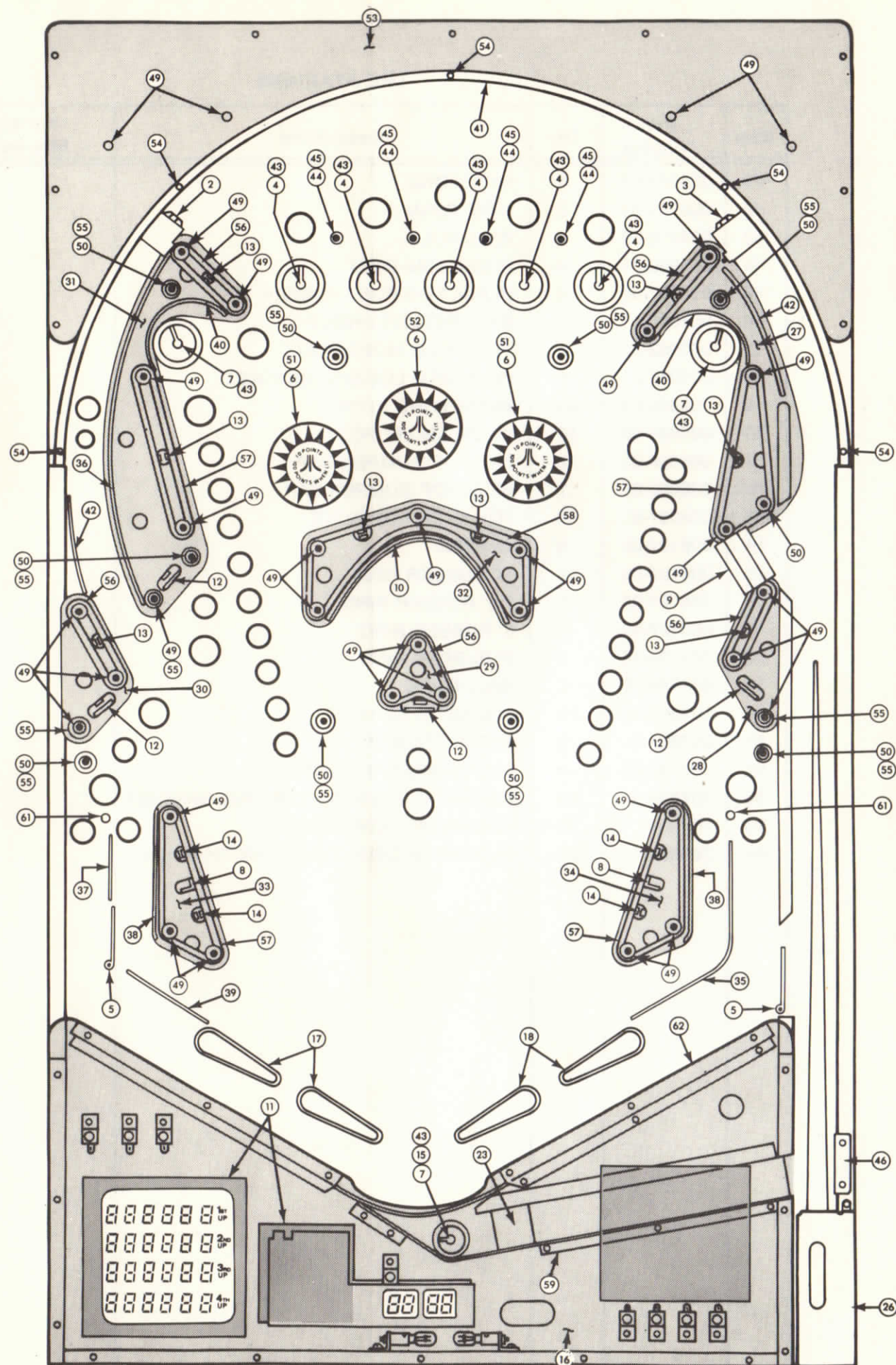
THE ATARIANS
TIME 2000

A006986-01
thru -04

Section **D**
Page 1

March 10 '78

ITEM	PART NUMBER	QTY	DESCRIPTION	FOR MORE INFORMATION
2	A007845-01	1	Back Glass Assembly Used on The Atarians only	
	A007845-02	1	Back Glass Assembly Used on Time 2000 only	
	A007845-03	1	Back Glass Assembly Used on Airborne Avenger only	
	A007845-04	1	Back Glass Assembly Used on Middle Earth only	
3	A007867-01	1	Back Box Harness Assembly Not identified on drawing	
3A		5	Medium Screw Base Standard AC Utility Lamp Base—Part of Box Harness Assembly A007867-01	
4	006036-01	2	Glass Retainer	
5	006036-01	2	Lock Base Plate	
6	72-6608C	16	#6x1/2" Cross-Recessed Type AB Pan-Head Thread-Forming CRES Screw	
7	75-016S	6	#6 Regular Pattern SAE-Standard Plain Flat Steel Washer	
8	43-71600121	3	120V, 60W, Lamp Flasher Thermal Relay	
9	70-1617P5	5	105V, 7 1/2W, Medium Screw Base Standard AC Utility Soft-White Incandescent Lamp	
10	71-2117	1	Panel Cartridge Lock Hudson #CR73A569	



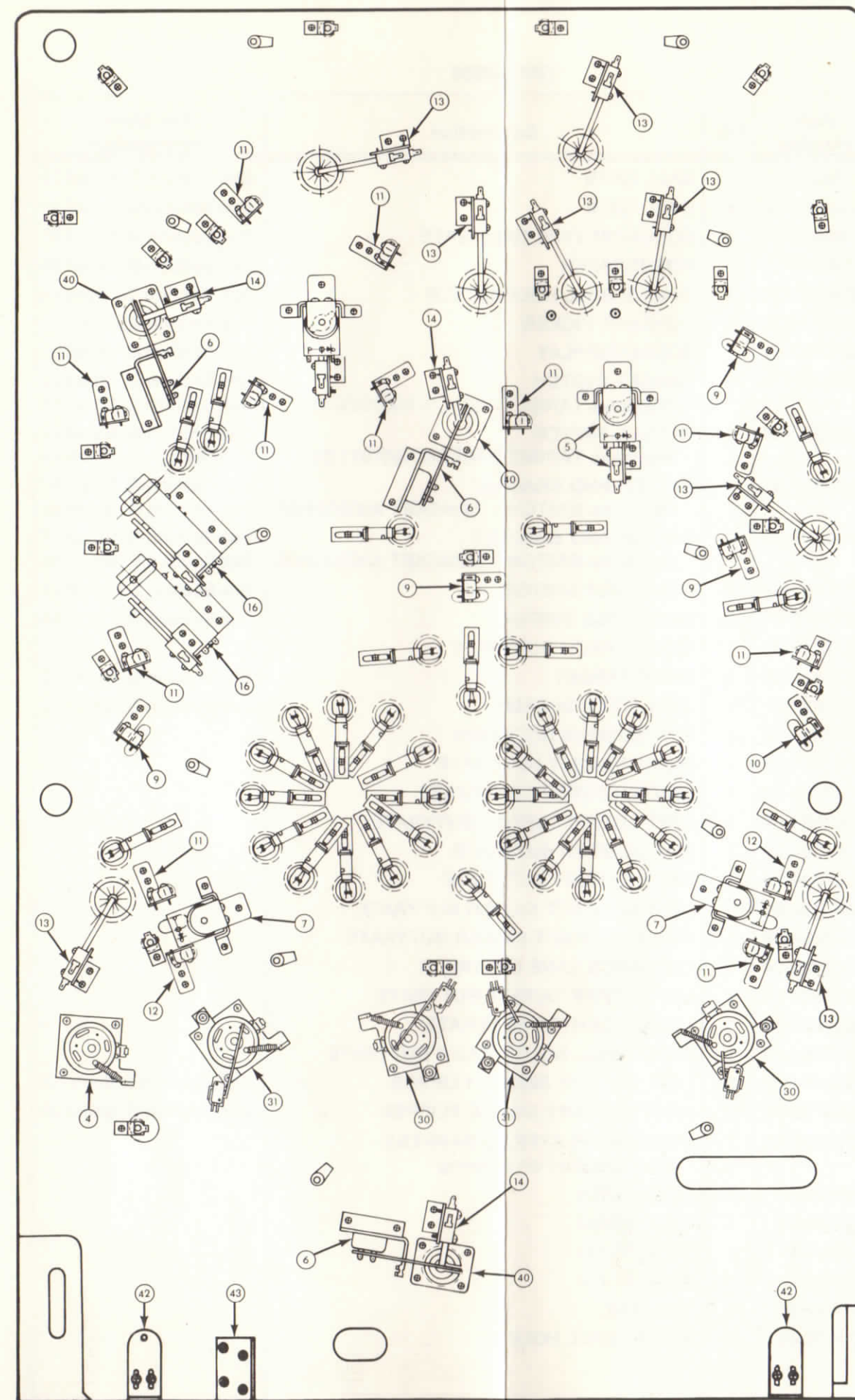
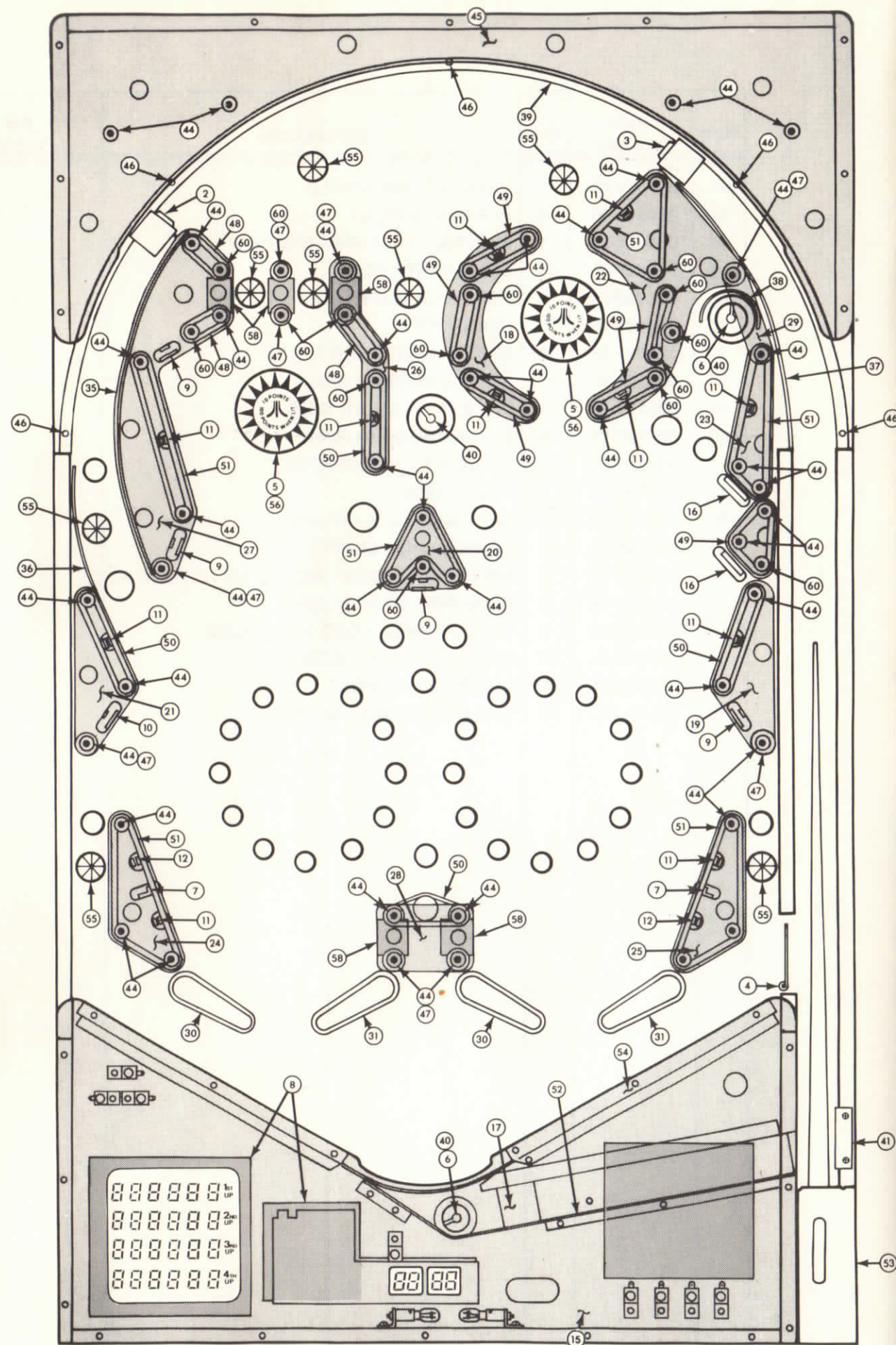


THE ATARIANS

Item	Part Number	Qty	Description	For More Information
2	A005019-01	1	BALL GATE	See Section G, Sheet 76
3	A005019-02	1	BALL GATE	See Section G, Sheet 76
4	A005053-01	1	MULTIPLE BALL HOLE KICKER	See Section G, Sheet 5
5	A006047-01	2	SOLENOID TYPE BALL GATE	See Section G, Sheet 77
6	A006049-01	3	POP BUMPER	See Section G, Sheet 26
7	A006067-01	3	SINGLE BALL HOLE KICKER	See Section G, Sheet 4
8	A006074-01	2	CONTACT KICKER	See Section G, Sheet 12
9	A006094-01	1	BALL GATE	See Section G, Sheet 79
10	A006112-01	1	CENTER BALL GUIDE	
11	A006743-01	1	SCORE DISPLAY	See Section G, Sheet 96
12	A007021-01	4	TARGET	See Section G, Sheet 41
13	A005024-01	8	SWITCH AND BRACKET	See Section G, Sheet 66
14	A006756-01	4	SWITCH AND BRACKET	See Section G, Sheet 71
15	A007877-01	1	BALL HOLE SWITCH	See Section G, Sheet 68
16	A007848-01	1	LOWER ARCH BUTYRATE	
17	A006039-01	1	ROTARY DUAL FLIPPER, LEFT HAND	See Section G, Sheet 32
18	A006039-02	1	ROTARY DUAL FLIPPER, RIGHT HAND	See Section G, Sheet 32
19	A006022-01	1	SOLENOID HARNESS	
	A006023-01	1	LAMP HARNESS	
	A006024-01	1	SWITCH HARNESS	
	A007046-01	1	MAGNETIC SENSOR HARNESS	
23	A007833-01	1	BALL RETURN RAMP	See Section G, Sheet 97
24	A006116-01	7	SWITCH ACTUATOR	
25	A006071-01	7	SWITCH AND BRACKET	See Section G, Sheet 70
26	A006772-02	1	BALL SHOOTER COVER	
27	004748-02	1	RIGHT BALL HOLE KICKER BUTYRATE	
28	004748-03	1	RIGHT TARGET BUTYRATE	
29	004748-04	1	CENTER TARGET BUTYRATE	
30	004748-05	1	LEFT TARGET BUTYRATE	
31	004748-06	1	LEFT BALL HOLE KICKER BUTYRATE	
32	004748-07	1	CENTER ARC BUTYRATE	
33	004748-08	1	LEFT CONTACT KICKER BUTYRATE	
34	004748-09	1	RIGHT CONTACT KICKER BUTYRATE	
35	004943-01	1	WIRE FORM	
36	006701-01	1	WIRE FORM	
37	004947-03	1	WIRE FORM	
38	007026-01	2	WIRE FORM	
39	004947-04	1	WIRE FORM	
40	004951-01	2	WIRE FORM	

THE ATARIANS

Item	Part Number	Qty	Description	For More Information
41	005983-01	1	WIRE FORM	
42	006700-01	2	WIRE FORM	
43	004978-09	8	BALL HOLE	
44	004996-01	4	CLEAR MINI-POST	
45	004997-00	4	BLACK MINI-POST RUBBER	
46	007812-01	1	BALL RETURN SHIELD	
47	005952-01	2	PLAYFIELD INDEX PLATE	
48	005955-01	1	PLAYFIELD LOCKING BRACKET	
49	005985-09	33	WHITE LONG POST	
50	005986-09	10	WHITE SHORT POST	
51	006066-02	2	RED POP BUMPER CAP	
52	006066-06	1	BLUE POP BUMPER CAP	
53	006087-01	1	TOP ARCH BUTYRATE	
54	006101-09	5	SPACER	
55	006127-02	12	3/8" RUBBER RING	
56	006127-07	5	1 1/2" RUBBER RING	
57	006127-10	4	3" RUBBER RING	
58	006127-14	1	5" RUBBER RING	
59	006748-01	1	BALL GUIDE	
60	004893-01	24	MAGNETIC SENSOR	
61	007807-01	2	PERCENTAGE PIN	
62	006749-01	1	LOWER ARCH SUPPORT	
63	007849-01	24	MAGNETIC SENSOR MOUNTING BRACKET	
83	70-11-47	70	MINIATURE LAMP, NEMA #47	
84	78-2654	24	RUBBER GROMMET (H. H. SMITH #2175)	





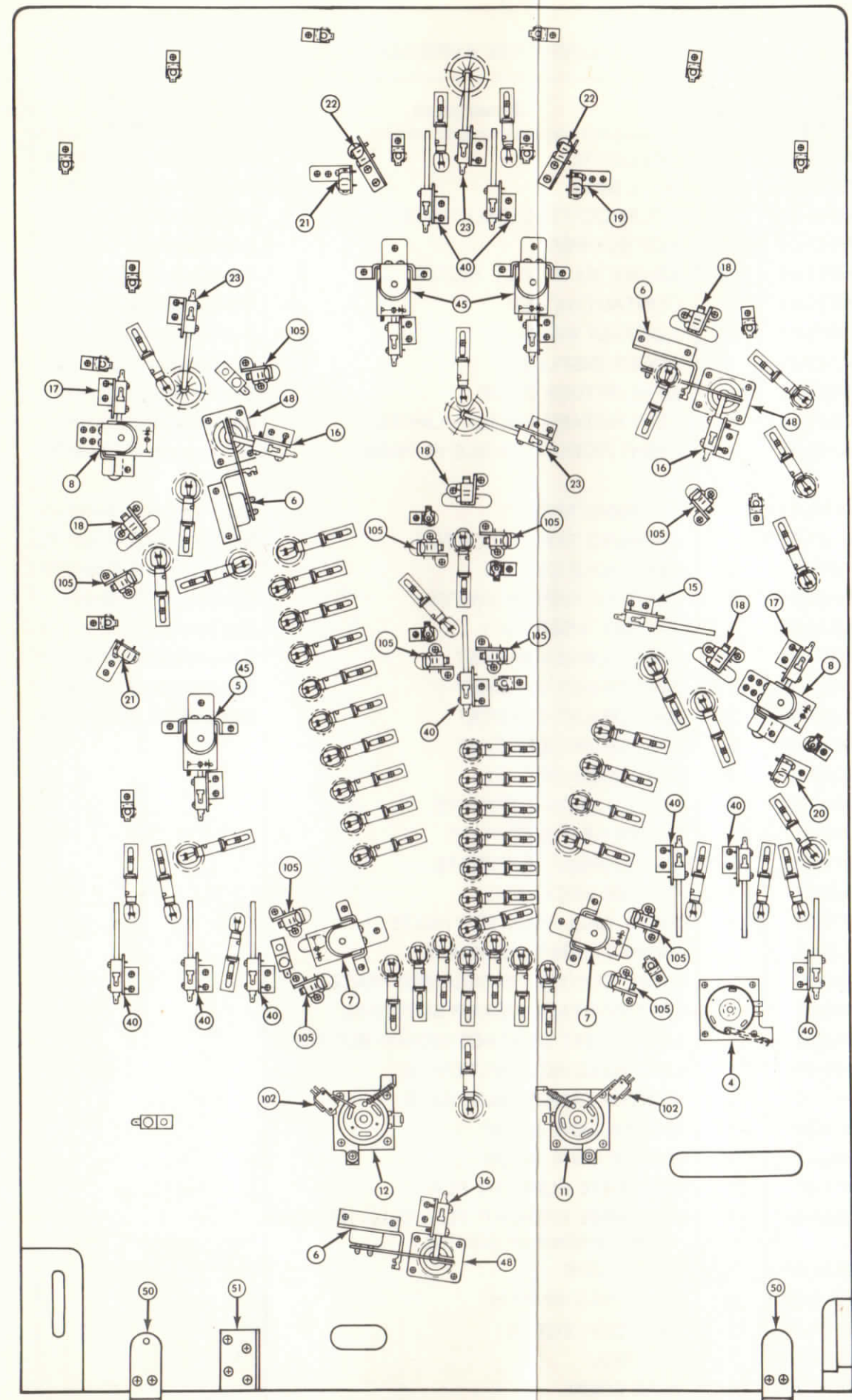
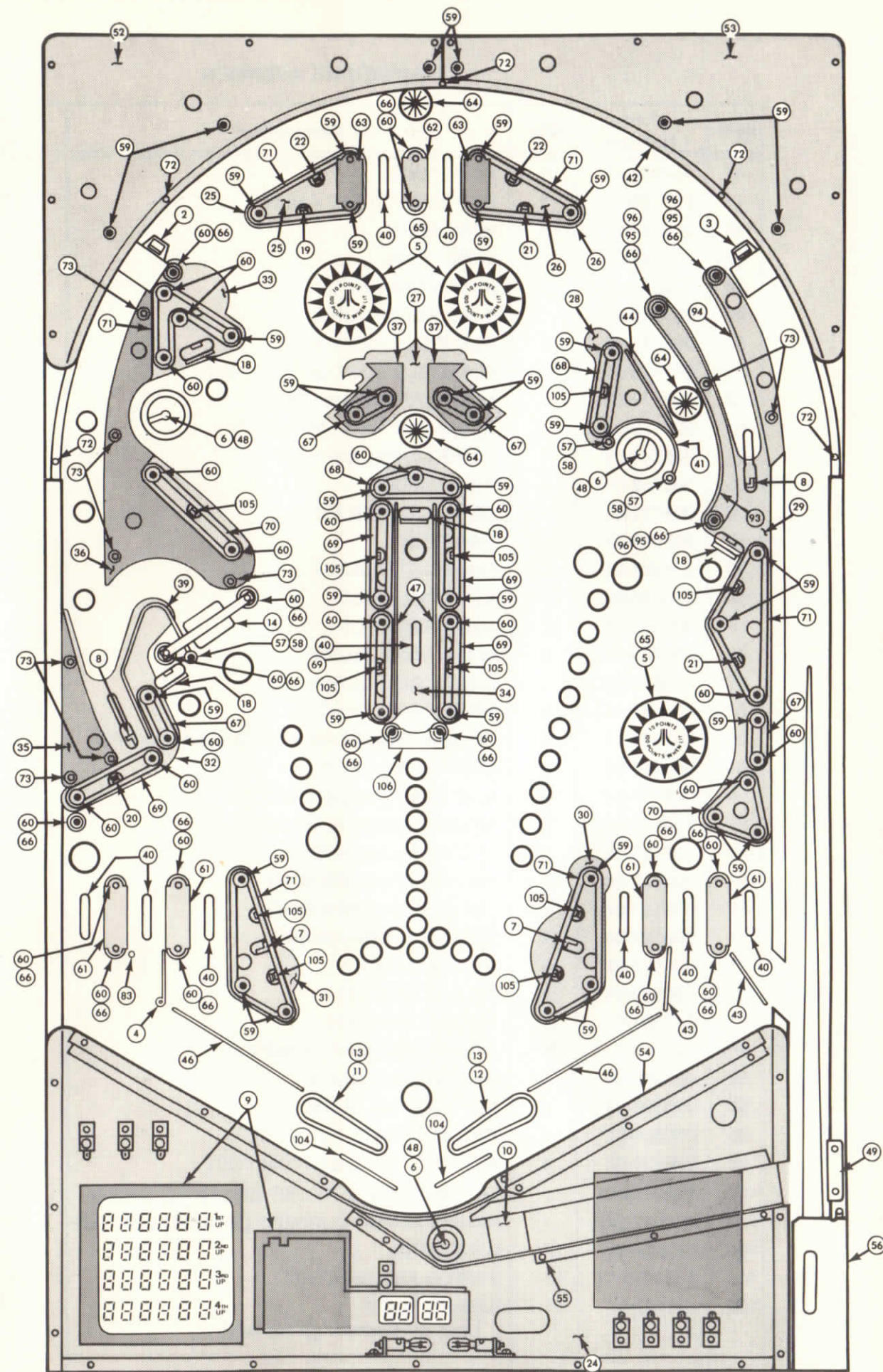
PLAYFIELD ASSEMBLY
TIME 2000

TIME 2000

Item	Part Number	Qty	Description	For More Information
2	A005019-01	1	BALL GATE	See Section G, Sheet 76
3	A005019-02	1	BALL GATE	See Section G, Sheet 76
4	A006047-01	1	SOLENOID TYPE BALL GATE	See Section G, Sheet 77
5	A006049-01	2	POP BUMPER	See Section G, Sheet 26
6	A006067-01	3	SINGLE BALL HOLE KICKER	See Section G, Sheet 4
7	A006074-01	2	CONTACT KICKER	See Section G, Sheet 12
8	A006743-01	1	SCORE DISPLAY	See Section G, Sheet 96
9	A020302-04	4	TARGET SWITCH Replaces TARGET SWITCH A007021-01	See Section G, Sheet 42 See Section G, Sheet 41
10	A020302-04	1	TARGET SWITCH Replaces TARGET SWITCH A007021-04	See Section G, Sheet 42 See Section G, Sheet 41
11	A020375-01	11	SWITCH AND BRACKET Replaces SWITCH & BRACKET A005024-01	See Section G, Sheet 67 See Section G, Sheet 66
12	A020375-01	2	SWITCH AND BRACKET Replaces SWITCH & BRACKET A005024-03	See Section G, Sheet 67 See Section G, Sheet 66
13	A020183-01	8	ROLLOVER SWITCH	See Section G, Sheet 69
14	A007877-01	3	BALL HOLE SWITCH	See Section G, Sheet 68
15	A007848-01	1	LOWER ARCH BUTYRATE	
16	A007874-01	2	DROP TARGET	See Section G, Sheet 43
17	A007833-01	1	BALL RETURN RAMP	See Section G, Sheet 97
18	A007884-01	1	POP BUMPER BUTYRATE	
19	A007884-02	1	RIGHT TARGET BUTYRATE	
20	A007884-03	1	CENTER TARGET BUTYRATE	
21	A007884-04	1	LEFT LOWER TARGET BUTYRATE	
22	A007884-05	1	POP BUMPER BUTYRATE	
23	A007884-06	1	DROP TARGET BUTYRATE	
24	A007884-07	1	LEFT CONTACT KICKER BUTYRATE	
25	A007884-08	1	RIGHT CONTACT KICKER BUTYRATE	
26	A007884-09	1	ENTRANCE LANE BUTYRATE	
27	A007884-10	1	LEFT UPPER TARGET BUTYRATE	
28	A007884-11	1	LOWER CENTER BUTYRATE	
29	A007884-12	1	RIGHT BALL HOLE KICKER BUTYRATE	
30	A020261-01	2	LEFT ROTARY SINGLE FLIPPER	See Section G, Sheet 31
31	A020262-01	2	RIGHT ROTARY SINGLE FLIPPER	See Section G, Sheet 31
33	A007865-01	1	TIME 2000 PLAYFIELD HARNESS Not identified on drawing	
35	006701-01	1	WIRE FORM	
36	004944-01	1	WIRE FORM	
37	004945-01	1	WIRE FORM	
38	020036-01	1	WIRE FORM	
39	005983-01	1	TOP RAIL	
40	004978-09	3	NYLON BALL HOLE	

Item	Part Number	Qty	Description	For More Information
41	007812-01	1	BALL RETURN SHIELD	
42	005952-01	2	PLAYFIELD INDEX	
43	005955-01	1	PLAYFIELD LOCKING BRACKET	
44	005985-01	46	LONG WHITE POST	
45	006087-01	1	TOP ARCH BUTYRATE	
46	006101-09	5	STANDOFF	
47	006127-01	8	5/16" (DIA.) RUBBER RING	
48	006127-05	11	1" (DIA.) RUBBER RING	
49	006127-07	1	1½" (DIA.) RUBBER RING	
50	006127-08	6	2" (DIA.) RUBBER RING	
51	006127-09	1	2½" (DIA.) RUBBER RING	
52	006752-01	1	BALL GUIDE	
53	006772-02	1	BALL SHOOTER COVER	
54	006749-01	1	LOWER ARCH SUPPORT	
55	020040-01	8	BROWN TWIN STAR ROLLOVER ACTUATOR	
56	006066-06	2	BLUE POP BUMPER CAP	
58	004987-04	5	YELLOW TWO-SIDED BALL GUIDE	
59	007059-01	44	POST FASTENING SCREW	
60	005986-01	13	SHORT WHITE POST	
76	70-11-47	69	MINIATURE LAMP, NEMA #47	

A007852-01



PLAYFIELD ASSEMBLY

AIRBORNE AVENGER

A020002-01

Section F
Sheet 3

March 10 78



PLAYFIELD ASSEMBLY

AIRBORNE AVENGER

A020002-01

Section **F**
Sheet 3

March 10 78

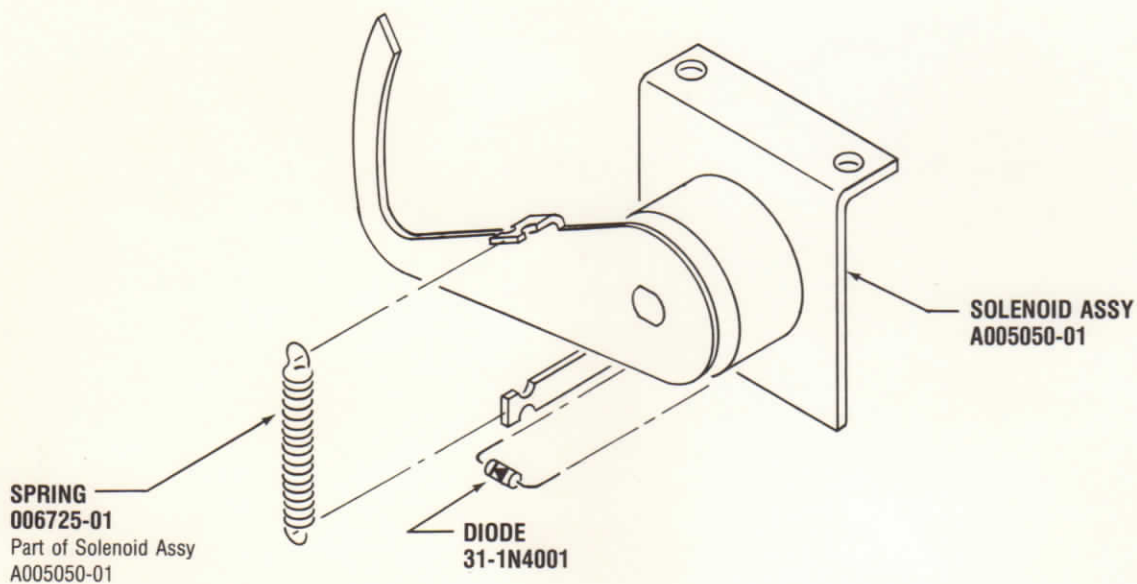
AIRBORNE AVENGER

Item	Part Number	Qty	Description	For More Information
2	A005019-03	1	BALL GATE	See Section G, Sheet 76
3	A005019-04	1	BALL GATE	See Section G, Sheet 76
4	A006047-01	1	SOLENOID TYPE BALL GATE	See Section G, Sheet 77
5	A006049-01	3	POP BUMPER	See Section G, Sheet 26
6	A006067-01	3	SINGLE BALL HOLE KICKER	See Section G, Sheet 4
7	A006074-01	2	CONTACT KICKER	See Section G, Sheet 12
8	A020027-01	2	CONTACT KICKER	See Section G, Sheet 11
9	A006743-01	1	SCORE DISPLAY	See Section G, Sheet 96
10	A007833-01	1	BALL RETURN RAMP	See Section G, Sheet 97
11	A020261-01	1	LEFT ROTARY SINGLE FLIPPER	See Section G, Sheet 31
12	A020262-01	1	RIGHT ROTARY SINGLE FLIPPER	See Section G, Sheet 31
13				
14	A020106-01	1	SPINNING TARGET	See Section G, Sheet 45
15	A020127-01	1	SPINNING TARGET SWITCH	See Section G, Sheet 45
16	A007877-01	3	BALL HOLE SWITCH	See Section G, Sheet 68
17	A020080-01	2	CONTACT KICKER SWITCH	See Section G, Sheet
18	A020302-04	4	TARGET ASSEMBLY	See Section G, Sheet 42
19	A005024-01	1	SWITCH AND BRACKET	See Section G, Sheet 66
20	A005024-02	1	SWITCH AND BRACKET	See Section G, Sheet 66
21	A005024-03	2	SWITCH AND BRACKET	See Section G, Sheet 66
22	A006756-01	2	SWITCH AND BRACKET	
23	A020183-01	3	ROLLOVER SWITCH	
24	A007848-03	1	LOWER ARCH BUTYRATE	
25	020010-01	1	UPPER LEFT BUTYRATE	
26	020010-02	1	UPPER RIGHT BUTYRATE	
27	020010-03	1	CENTER BUTYRATE	
28	020010-04	1	RIGHT BALL HOLE BUTYRATE	
29	020010-05	1	RIGHT TARGET BUTYRATE	
30	020010-06	1	RIGHT CONTACT KICKER BUTYRATE	
31	020010-07	1	LEFT CONTACT KICKER BUTYRATE	
32	020010-08	1	UPPER LEFT CONTACT KICKER BUTYRATE	
33	020010-09	1	LEFT BALL HOLE BUTYRATE	
34	020010-10	1	CENTER TARGET BUTYRATE	
35	020389-02	1	KICKER LANE GUIDE	
36	020389-01	1	KICKER LANE GUIDE	
37	020211-01	1	BUTYRATE SUPPORT PLATE	
38	A020054-01	1	AIRBORNE AVENGER PLAYFIELD HARNESS Not identified on drawing.	
39	A020122-01	1	BALL GUIDE	
40	A020218-02	9	ROLLOVER SWITCH	
41	A020126-01	1	BALL DEFLECTOR	
42	005983-01	1	TOP RAIL	
43	004947-03	2	WIRE FORM	

AIRBORNE AVENGER

Item	Part Number	Qty	Description	For More Information
44	004947-04	1	WIRE FORM	
45	020379-01	3	POP BUMPER RETAINER	
46	004947-05	2	WIRE FORM	
47	004947-06	2	WIRE FORM	
48	004978-09	3	NYLON BALL HOLE	
49	007812-01	1	BALL RETURN SHIELD	
50	005952-01	2	PLAYFIELD INDEX PLATE	
51	005955-01	1	PLAYFIELD LOCKING BRACKET	
52	020179-01	1	LEFT TOP ARCH BUTYRATE	
53	020179-02	1	RIGHT TOP ARCH BUTYRATE	
54	006749-01	1	LOWER ARCH SUPPORT	
55	006752-01	1	BALL GUIDE	
56	006772-02	1	BALL SHOOTER COVER	
57	004996-01	3	MINI POST	
58	004997-01	3	MINI POST RUBBER	
59	020185-02	37	RED LONG POST	
60	020186-02	32	RED SHORT POST	
61	006769-09	4	GREEN BALL GUIDE	
62	004987-09	1	GREEN BALL GUIDE	
63	004986-09	2	GREEN BALL GUIDE	
64	020040-01	3	BROWN TWIN STAR ROLLOVER ACTIVATOR	
65	006066-02	3	RED POP BUMPER CAP	
66	006127-01	19	5/16" (DIA.) RUBBER RING	
67	006127-04	4	3/4" (DIA.) RUBBER RING	
68	006127-05	2	1" (DIA.) RUBBER RING	
69	006127-06	5	1 1/4" (DIA.) RUBBER RING	
70	006127-07	2	1 1/2" (DIA.) RUBBER RING	
71	006127-08	6	2" (DIA.) RUBBER RING	
72	006101-09	5	#6 X 3/8" SPACER	
73	020182-01	16	#6 X 1/2" SPACER	
83	007807-01	1	PERCENTAGE PIN	
91	70-11-47	86	MINIATURE LAMP, NEMA #47	
93	020389-03	1	KICKER LANE GUIDE	
94	020389-04	1	KICKER LANE GUIDE	
95	020359-02	3	RED BUTYRATE TOP POST	
96	020360-02	3	RED BUTYRATE BOTTOM POST	
102	A020429-01	1	LEFT FLIPPER CURRENT DROPPING SWITCH	
103	A020429-02	1	RIGHT FLIPPER CURRENT DROPPING SWITCH	
104	020484-01	2	WIRE FORM	
105	A020375-01	11	SWITCH AND BRACKET	See Section G, Sheet 67
106	020442-01	1	IMPACT PLATE Used on German games only	

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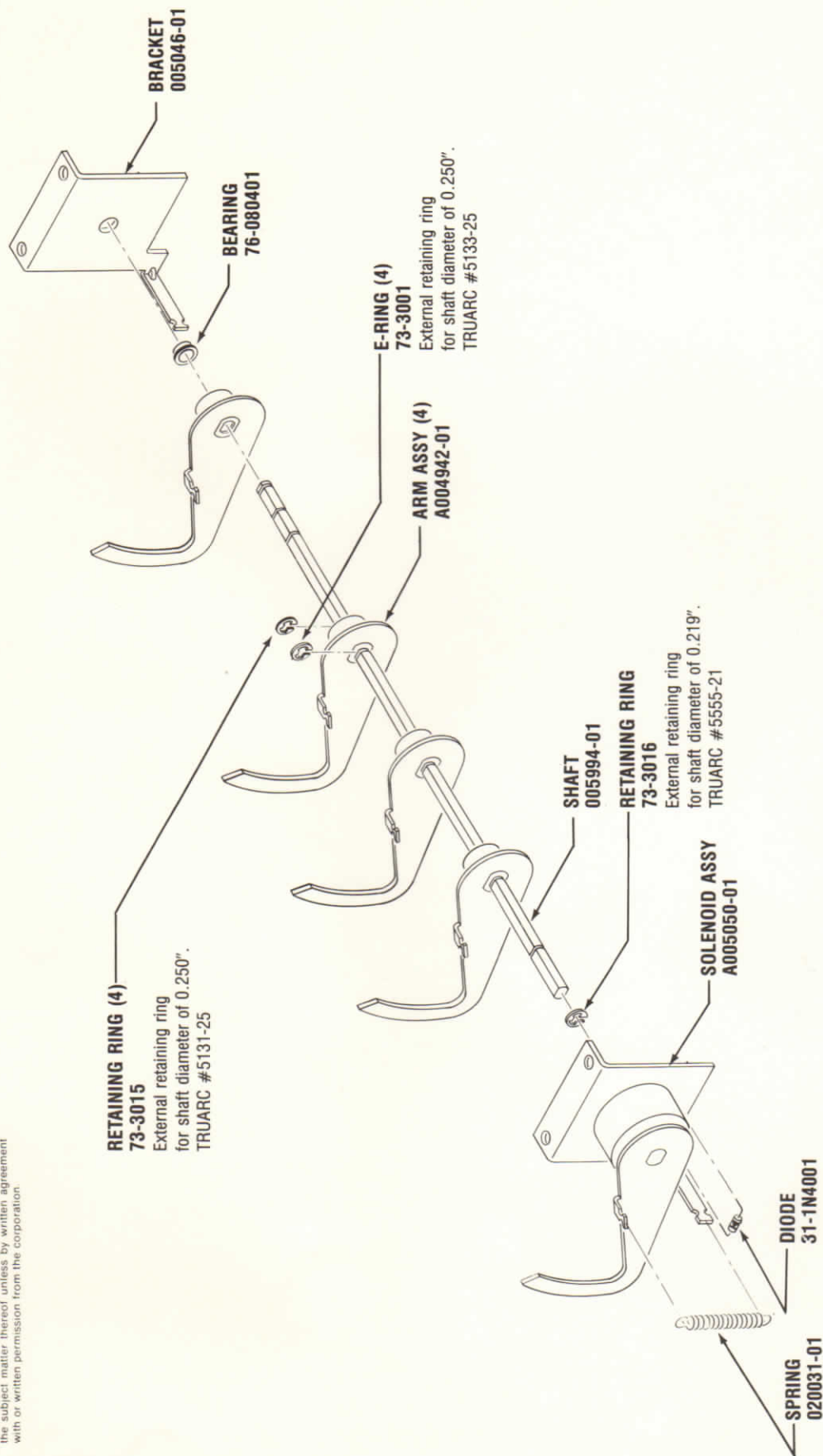
PLAYFIELD SUB-ASSEMBLY

KICK-OUT HOLE
A006067-01

Section **G**
Sheet 4

March 10/78

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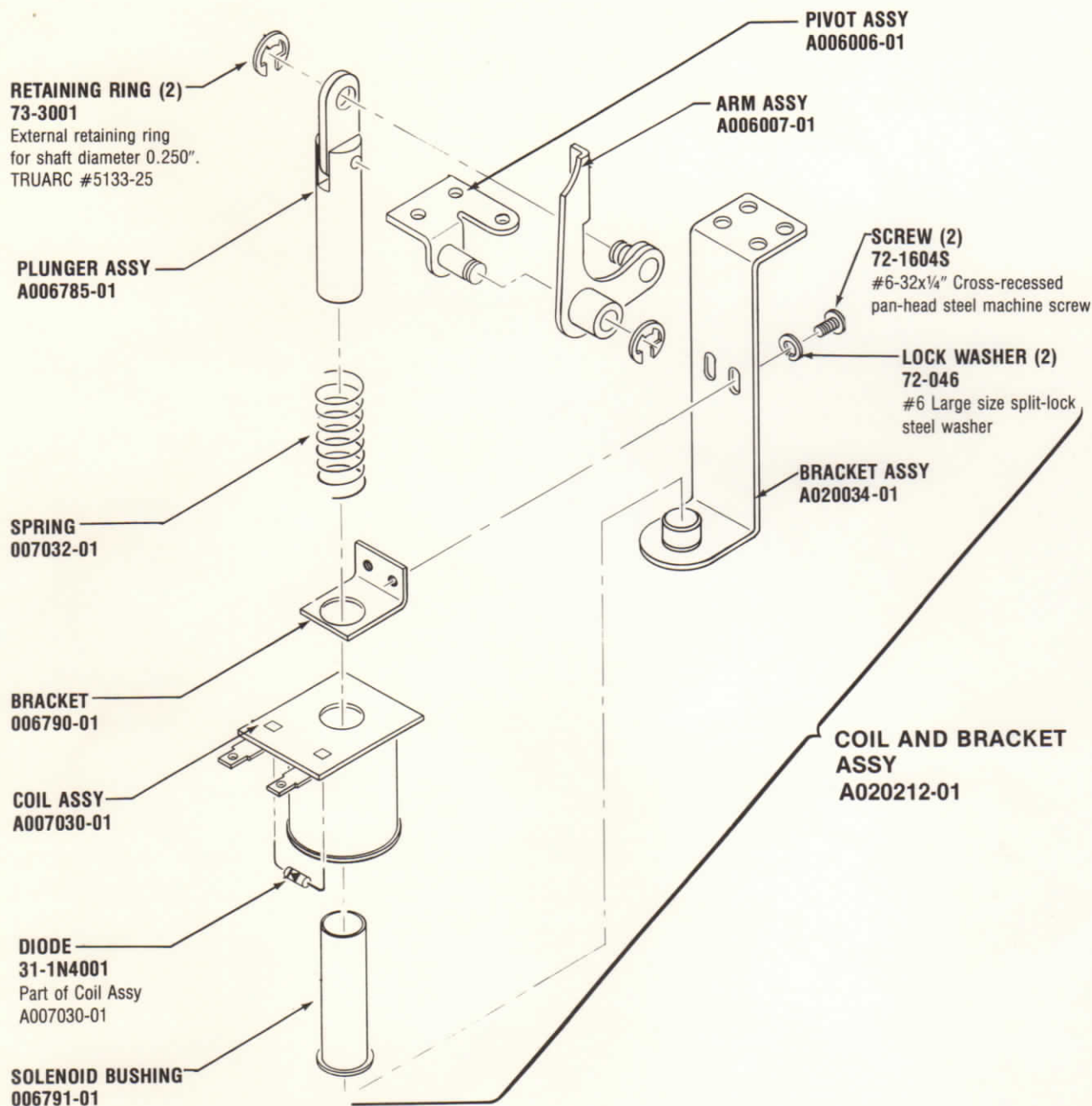


PLAYFIELD SUB-ASSEMBLY

MULTIPLE KICK-OUT HOLE
 A005053-01

PLAYFIELD SUB-ASSEMBLY

SLINGSHOT KICKER
A020027-01



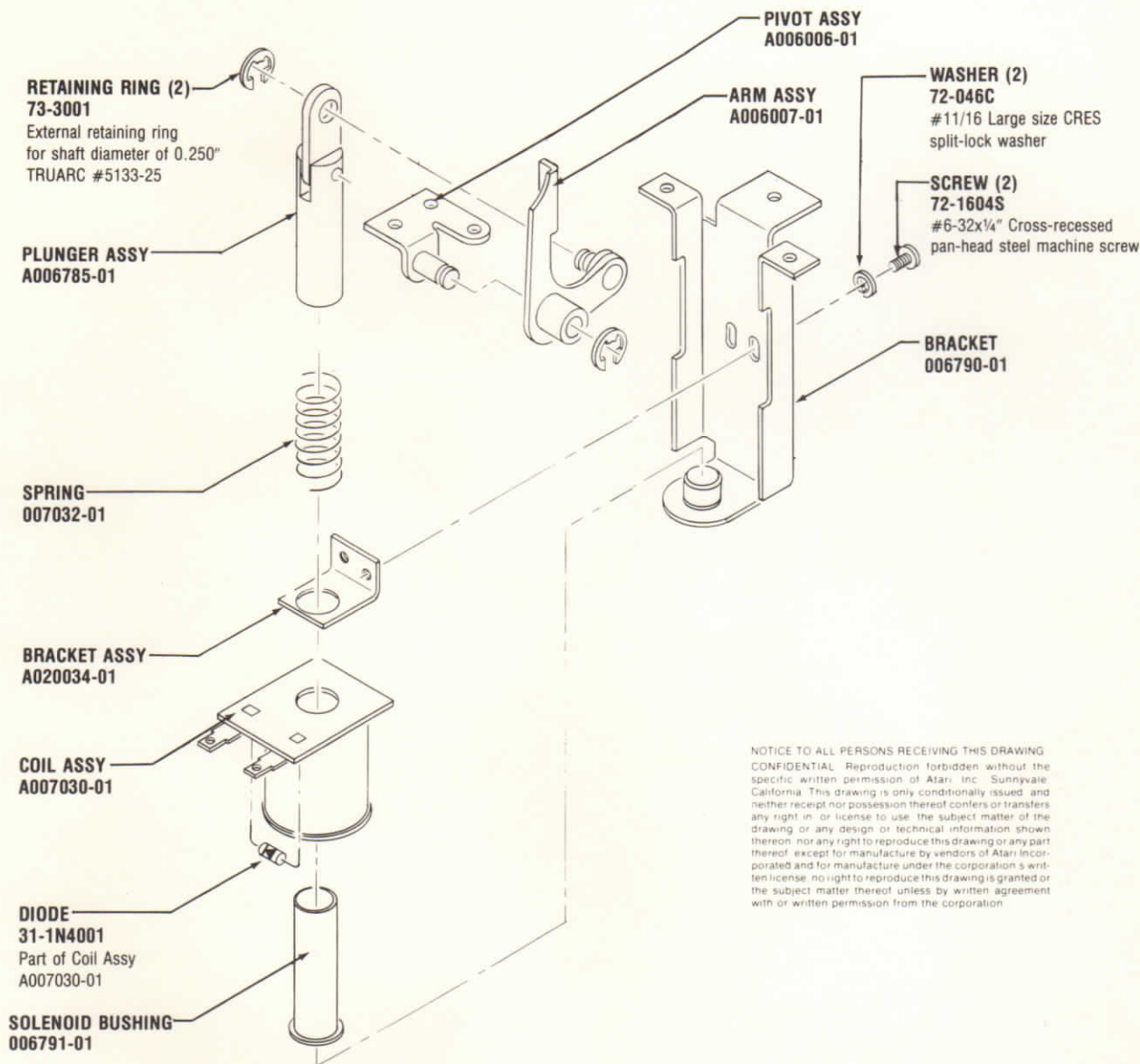
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PLAYFIELD SUB-ASSEMBLY

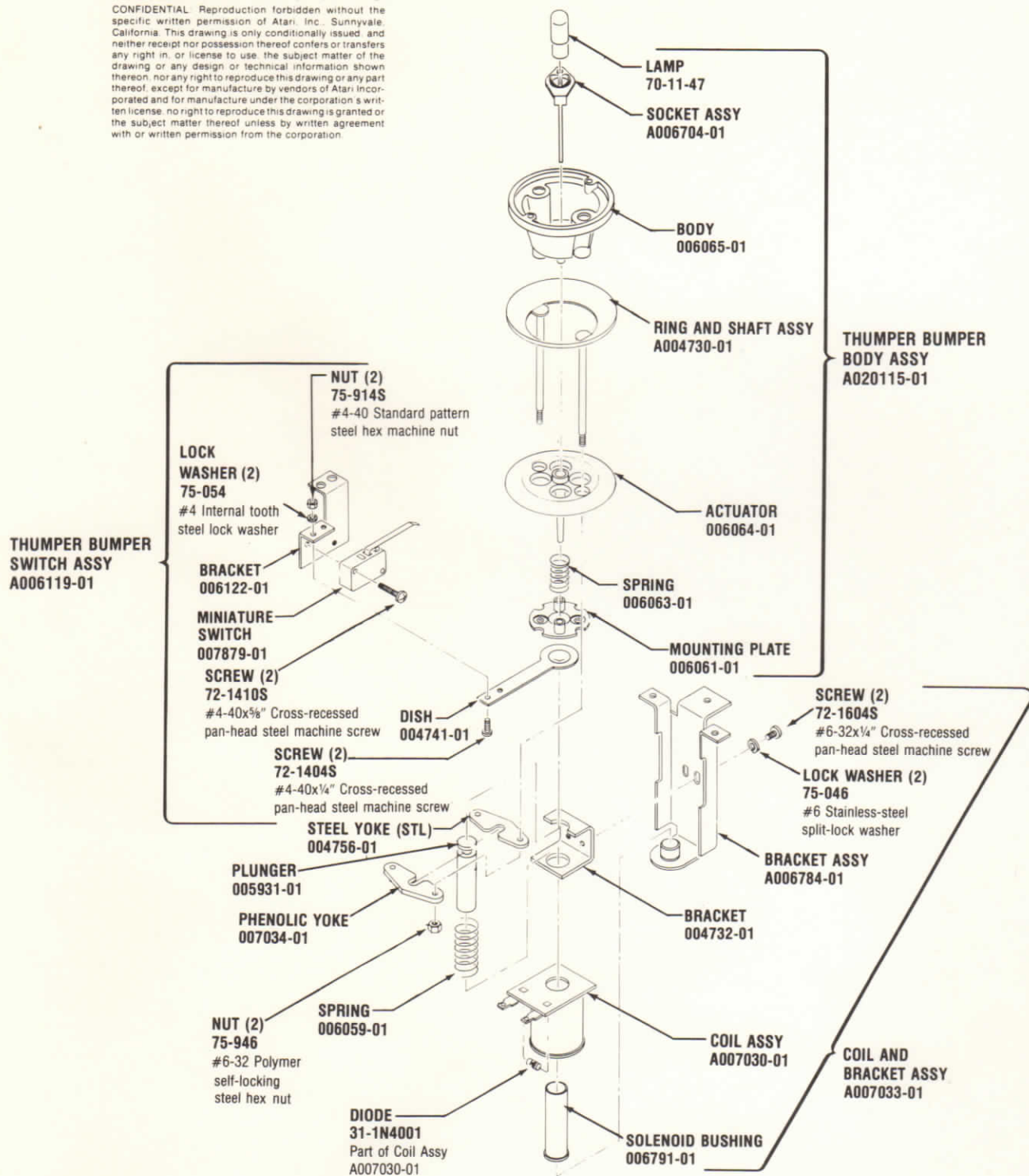
SLINGSHOT KICKER
A006074-01

Section **G**
Sheet 12

March 10/78



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NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
BY NON-THREAD-FORMING MACHINE SCREWS.

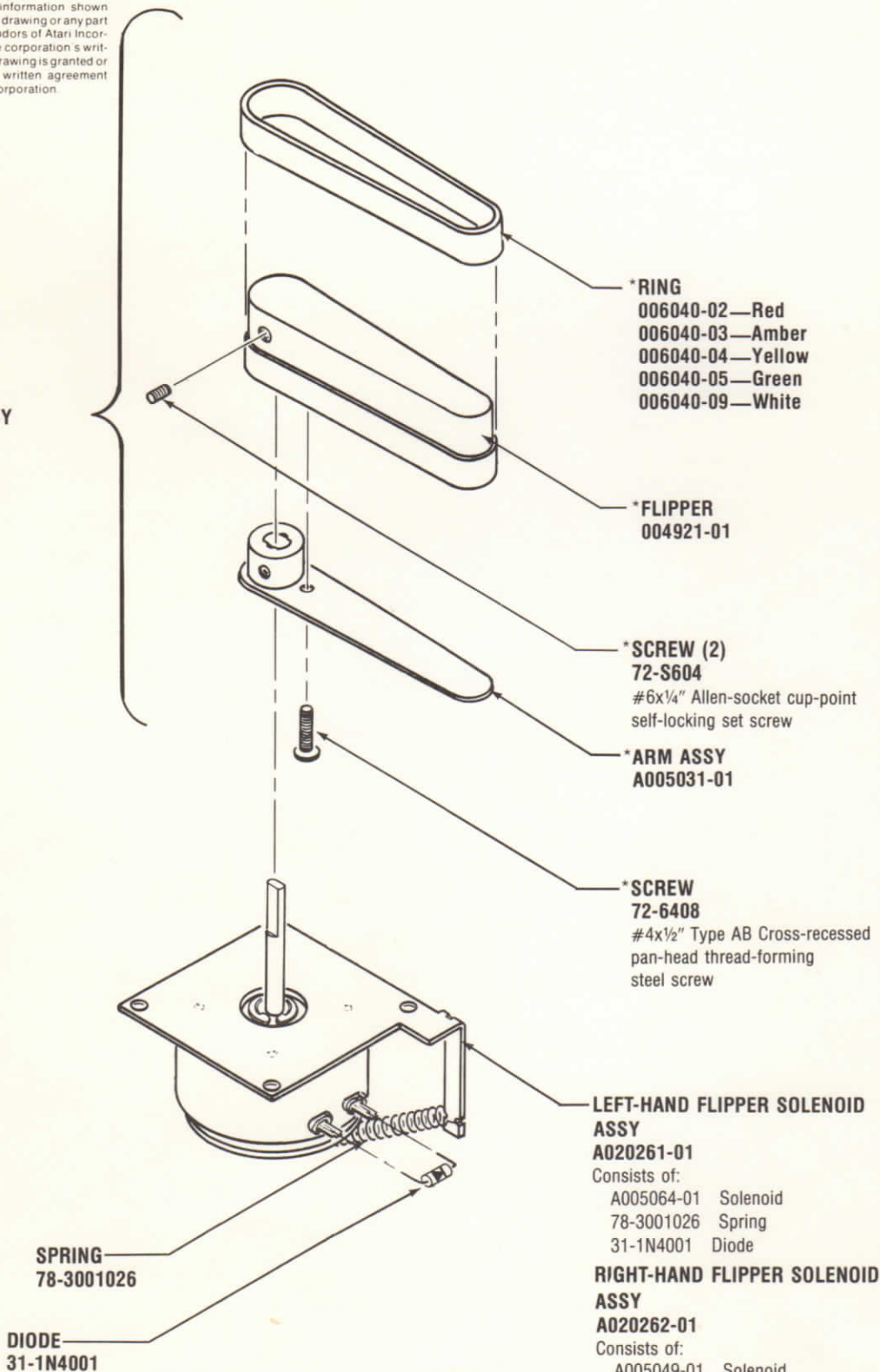


PLAYFIELD SUB-ASSEMBLY

THUMPER BUMPER A006049-01

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FLIPPER ASSY
A006758-01



NOTE:

*Retrofit linear flipper A020373-01
 replaces this flipper.*



PLAYFIELD SUB-ASSEMBLY

ROTARY SINGLE FLIPPER
A020261-01
A020262-01

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DUAL FLIPPER
 BASE ASSY
 A007042-01

FLIPPER ASSY
 A007840-01 Left Hand
 A007840-02 Right Hand

SOLENOID ASSY
 A005054-01 Left Hand
 A005055-01 Right Hand

SPRING
 78-3001026

DIODE
 31-1N4001

SCREW (4)
 72-1805S
 #8-32x⁵/₁₆" Cross-recessed
 pan-head steel machine screw

CAM FOLLOWER ASSY (2)
 A005013-01

*E-RING (2)
 73-3002
 External retaining ring
 for shaft diameter 0.187"
 TRUARC #5133-18

WASHER (4)
 75-058
 #8 Internal tooth
 steel lock washer

*PART OF PLAYFIELD ASSY

*RUBBER RING (2)
 006040-04—Yellow

*FLIPPER (2)
 004725-01

*SHAFT ASSY (2)
 A005058-02

*SCREW (2)
 72-6606S
 #6x³/₈" Type AB
 Cross-recessed pan-head
 thread-forming steel screw

SCREW (6)
 72-1605S
 #6-32x⁹/₁₆" Cross-recessed
 pan-head steel machine screw

BEARING (2)
 006045-01

BASE
 007836-01



PLAYFIELD SUB-ASSEMBLY

ROTARY DUAL FLIPPER
 A006039-01
 A006039-02

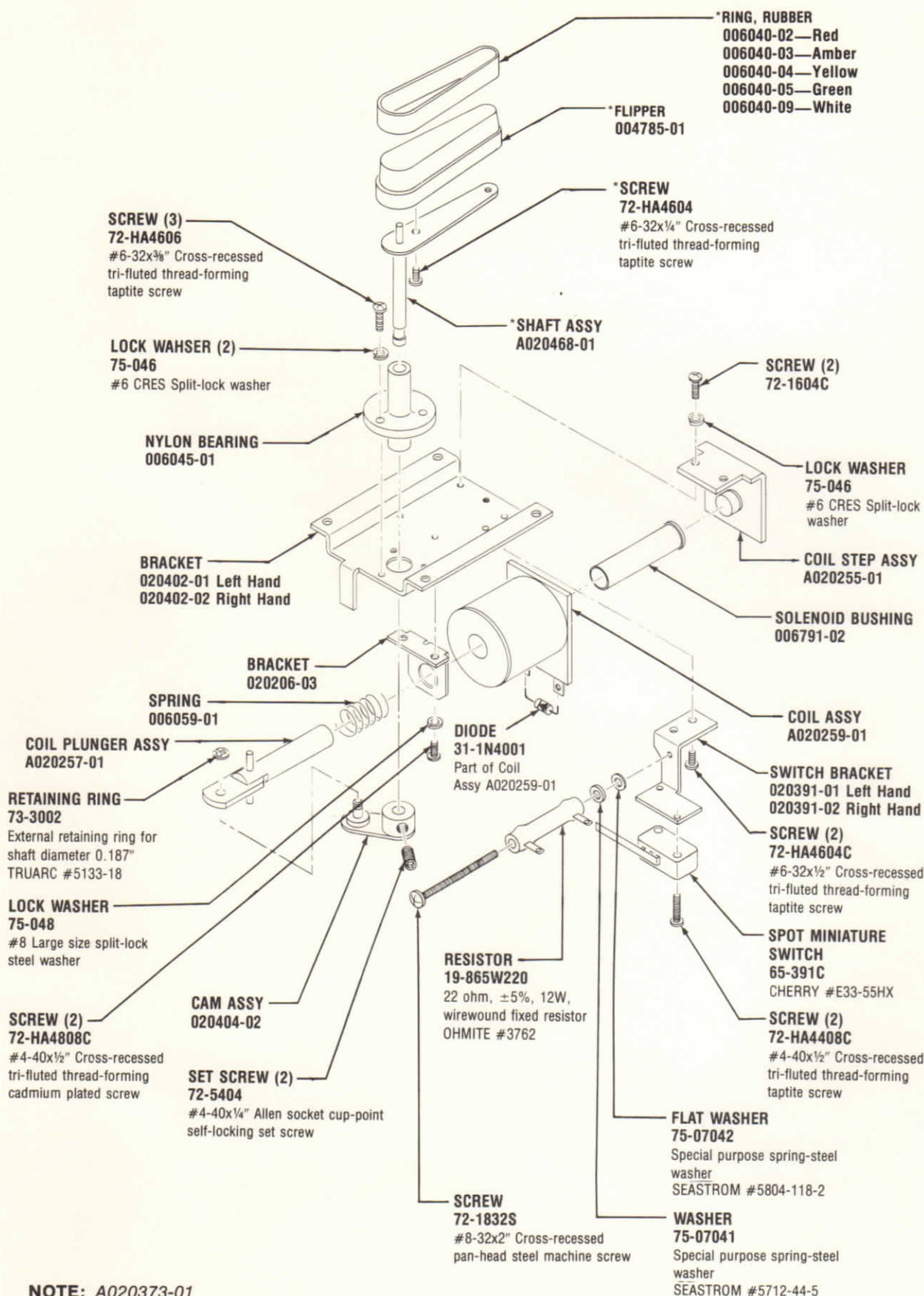
NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
 BY NON-THREAD-FORMING MACHINE SCREWS.



PLAYFIELD SUB-ASSEMBLY

RETROFIT LINEAR FLIPPER A020373-01

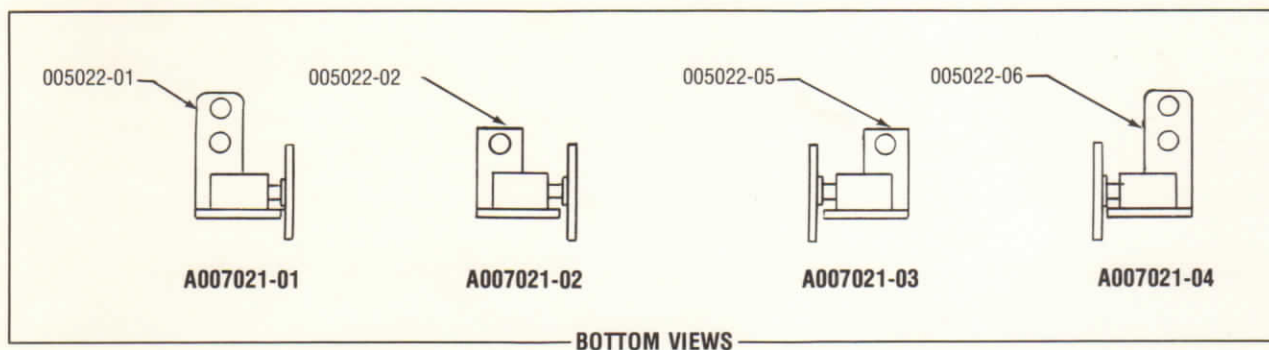
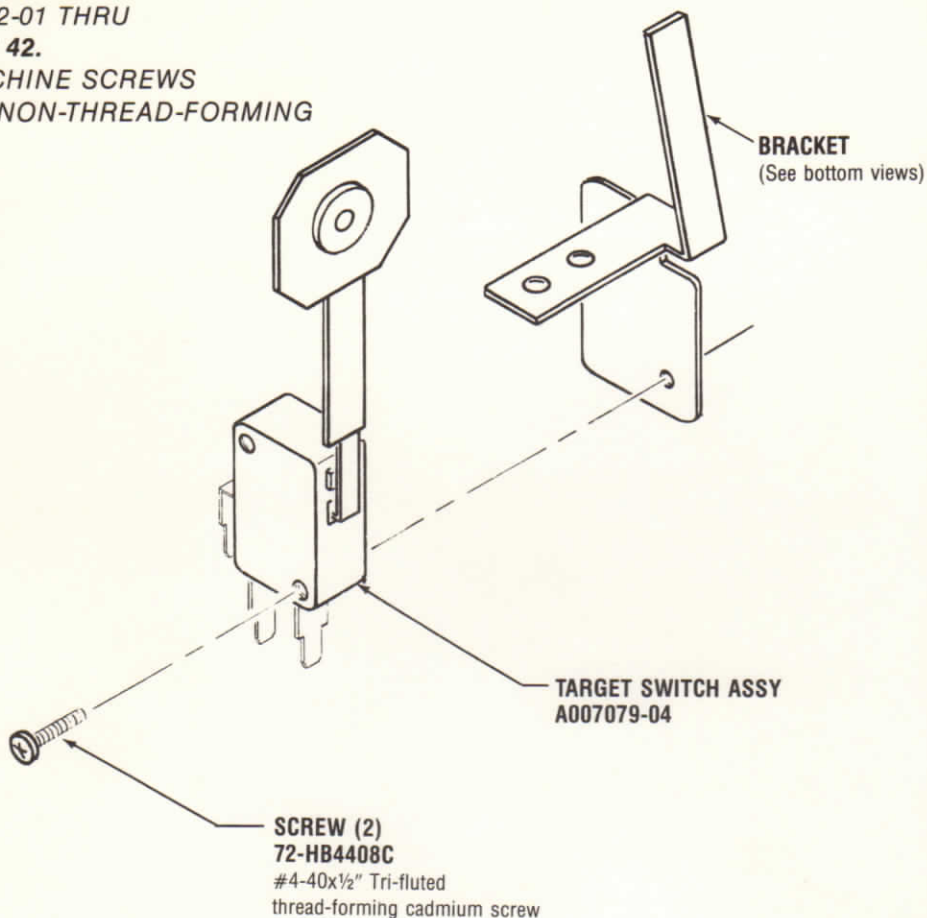


NOTE: A020373-01
LEFT HAND FLIPPER
SHOWN

NOTE:
This flipper replaces rotary flippers
A020261-01 and A020262-01.

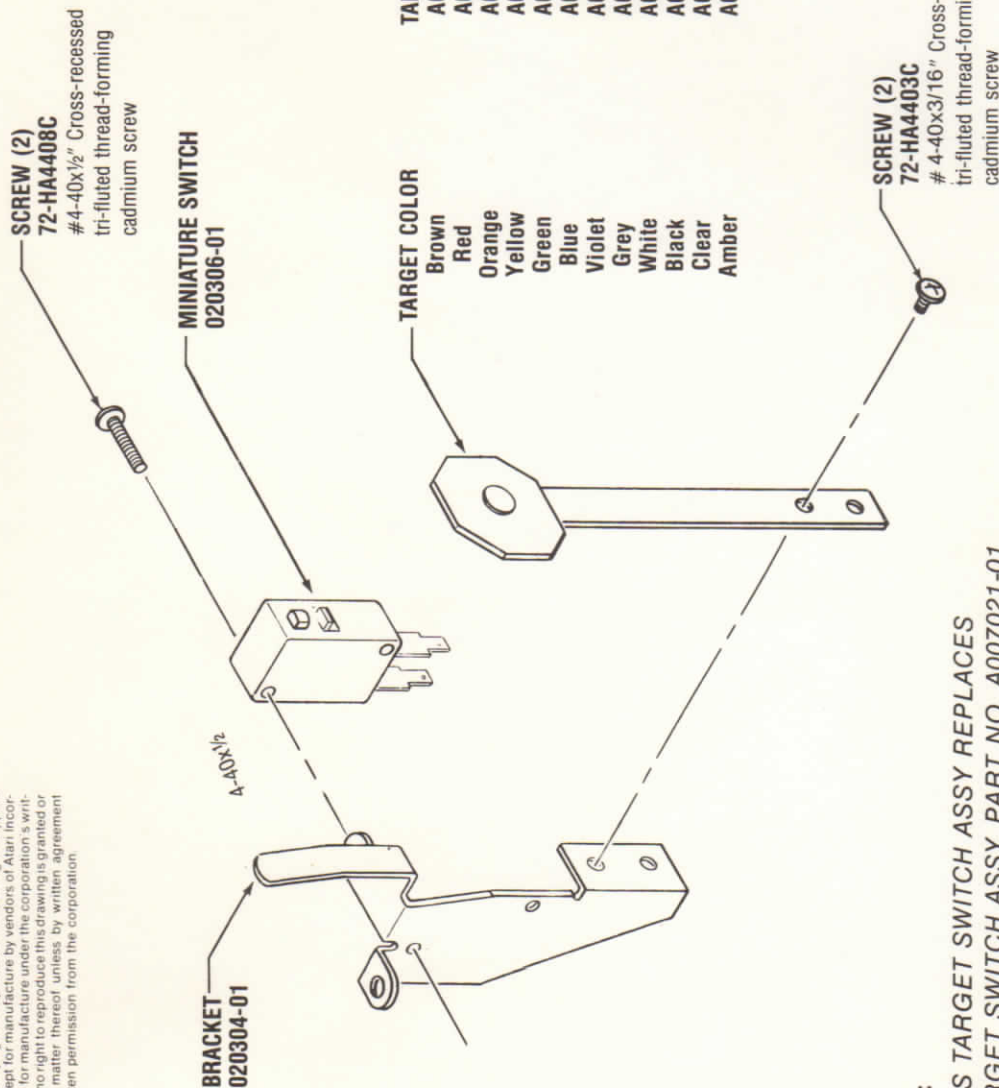
NOTE:

1. THIS TARGET SWITCH ASSY IS REPLACED BY TARGET SWITCH ASSY, PART NO. A020302-01 THRU -11 AND -13. **SEE SHEET 42.**
2. THREAD-FORMING MACHINE SCREWS MAY BE REPLACED BY NON-THREAD-FORMING MACHINE SCREWS.



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FOR TARGET SWITCH ASSY
 A020302-01
 A020302-02
 A020302-03
 A020302-04
 A020302-05
 A020302-06
 A020302-07
 A020302-08
 A020302-09
 A020302-10
 A020302-11
 A020302-13

TARGET ASSY
 A020240-01
 A020240-02
 A020240-03
 A020240-04
 A020240-05
 A020240-06
 A020240-07
 A020240-08
 A020240-09
 A020240-10
 A020240-11
 A020240-13

NOTE:

1. THIS TARGET SWITCH ASSY REPLACES
 TARGET SWITCH ASSY, PART NO. A007021-01
 THRU -04. **SEE SHEET 41.**
2. THREAD-FORMING SCREWS MAY BE REPLACED
 BY NON-THREAD-FORMING MACHINE SCREWS.

TARGET SWITCH
 A020302-01 thru -11 and -13

Section **G**
 Sheet 42

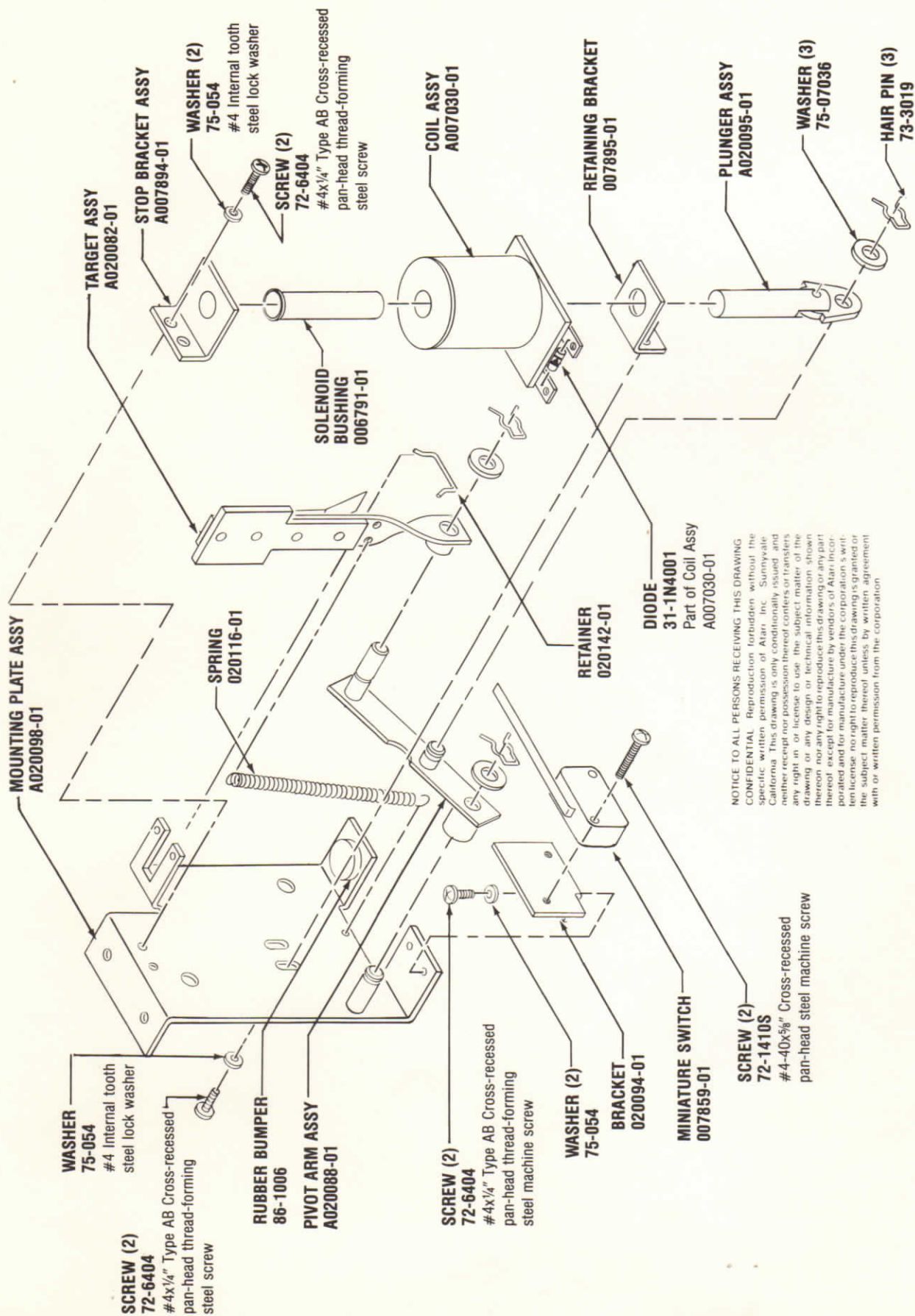
March 10/78

PLAYFIELD SUB-ASSEMBLY

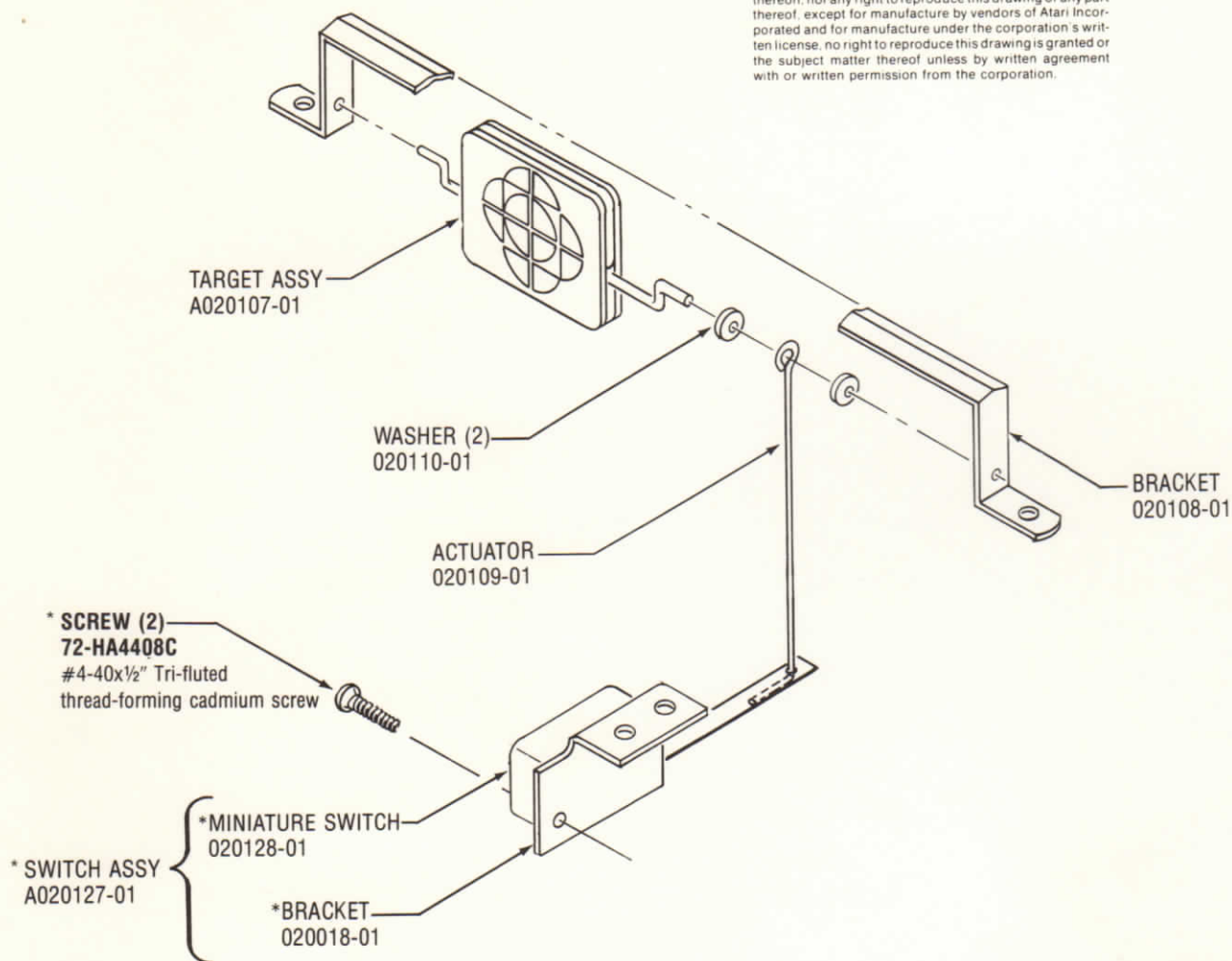
DROP TARGET A007874-01

Section **G**
Sheet 43

March 10/78



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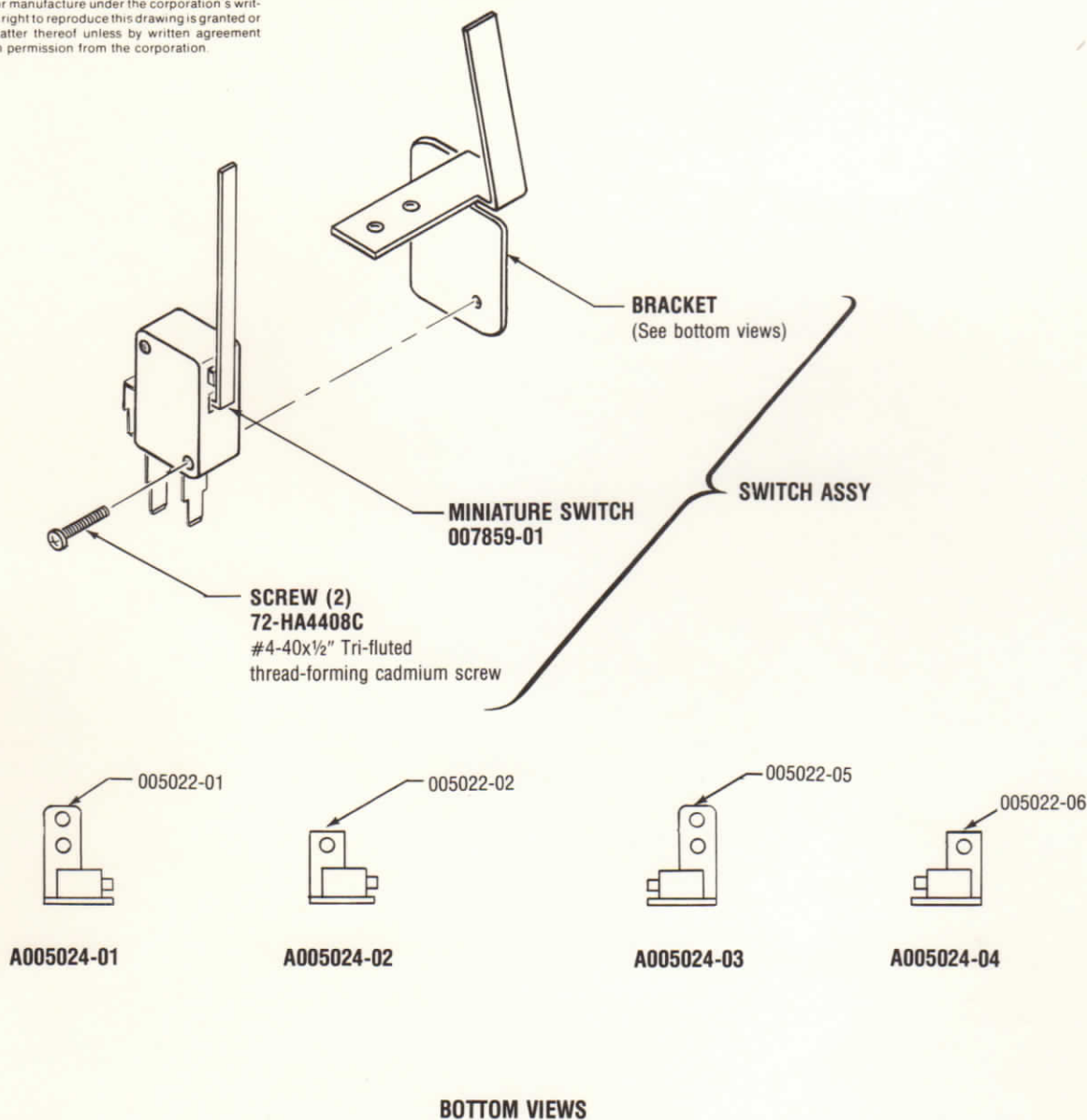


* PART OF PLAYFIELD ASSY

NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
BY NON-THREAD-FORMING MACHINE SCREWS.

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NOTE:

1. THIS SWITCH AND BRACKET ASSY IS REPLACED BY SWITCH AND BRACKET ASSY PART NO. A020375-01.
SEE SHEET 67.
2. THREAD-FORMING SCREWS MAY BE REPLACED BY NON-THREAD-FORMING MACHINE SCREWS.



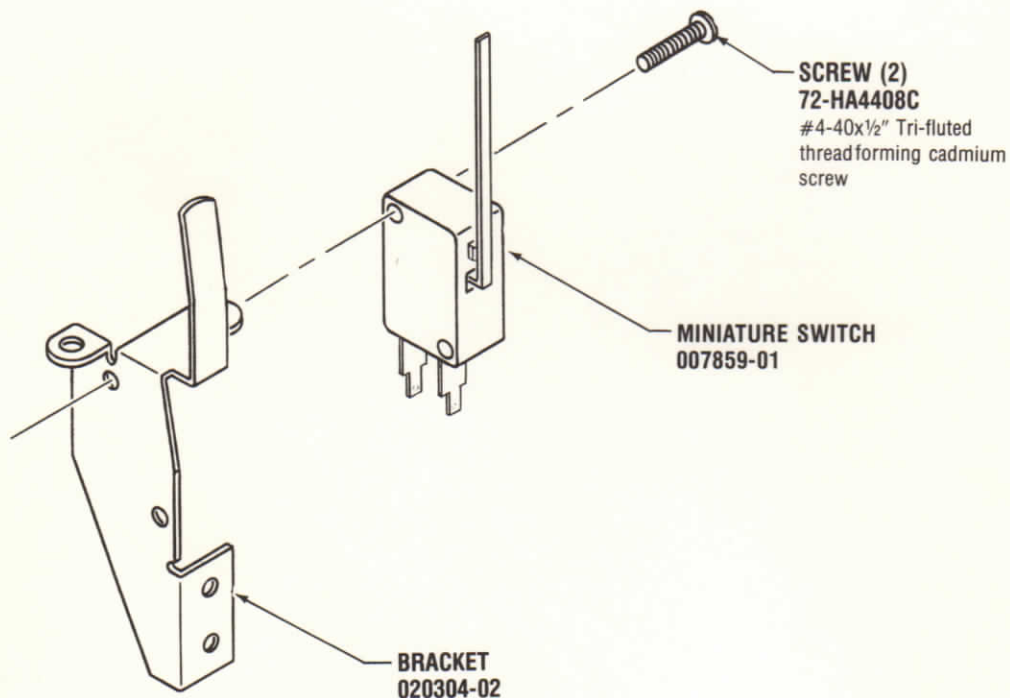
PLAYFIELD SUB-ASSEMBLY

SWITCH AND BRACKET
A005024-01 thru -04

Section **G**
Sheet 66

March 10/78

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NOTE:

1. THIS SWITCH AND BRACKET ASSY
REPLACES SWITCH AND BRACKET ASSY
PART NO. A005024-01 THRU -04.
SEE SHEET 66.
2. THREAD-FORMING SCREWS MAY BE REPLACED
WITH NON-THREAD-FORMING MACHINE SCREWS.



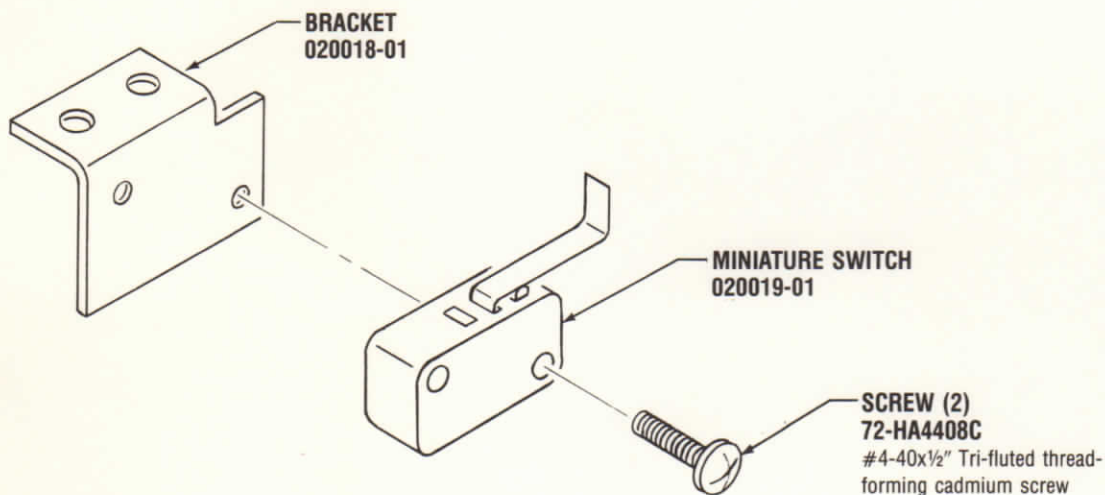
PLAYFIELD SUB-ASSEMBLY

SWITCH AND BRACKET
A020375-01

Section **G**
Sheet 67

March 10/78

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NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
BY NON-THREAD-FORMING MACHINE SCREWS.



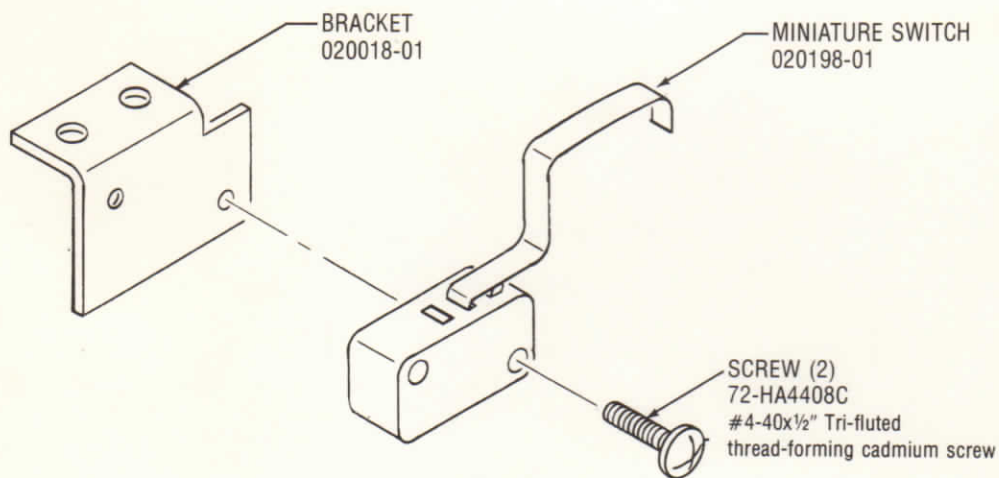
PLAYFIELD SUB-ASSEMBLY

KICK-OUT BALL HOLE SWITCH
A007877-01

Section **G**
Sheet 68

March 10/78

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NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
BY NON-THREAD-FORMING MACHINE SCREWS.



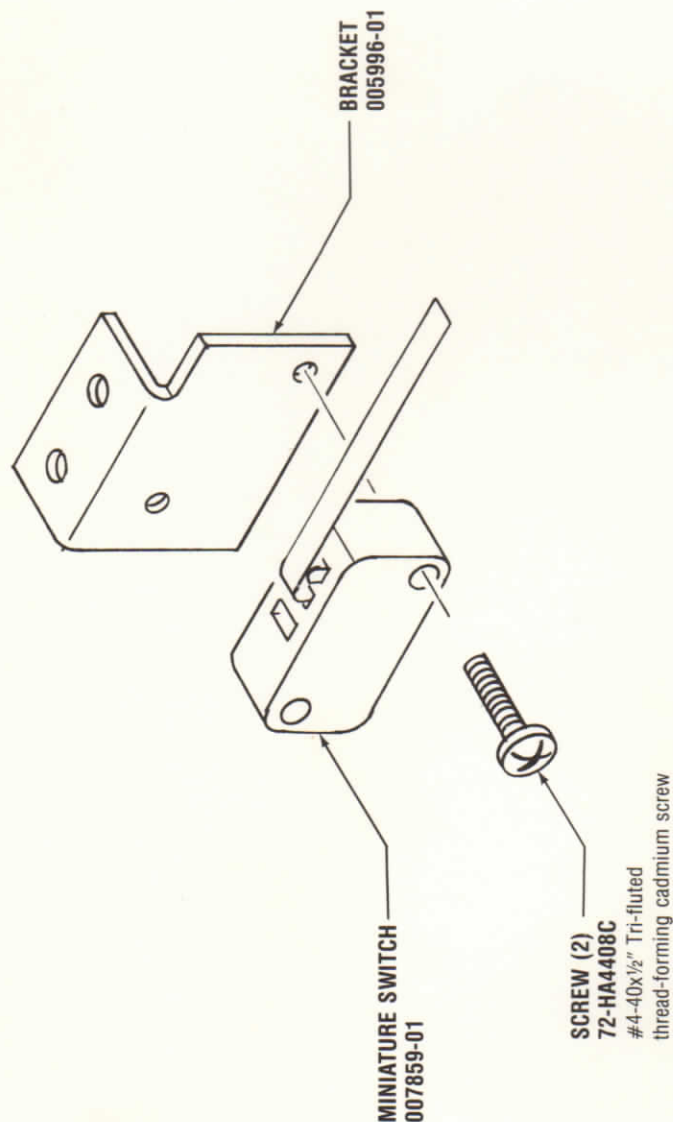
PLAYFIELD SUB-ASSEMBLY

SLINGSHOT SWITCH
A020080-01

Section **G**
Sheet 69

March 10/78

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KICK-OUT HOLE SWITCH
 A006071-01



PLAYFIELD SUB-ASSEMBLY



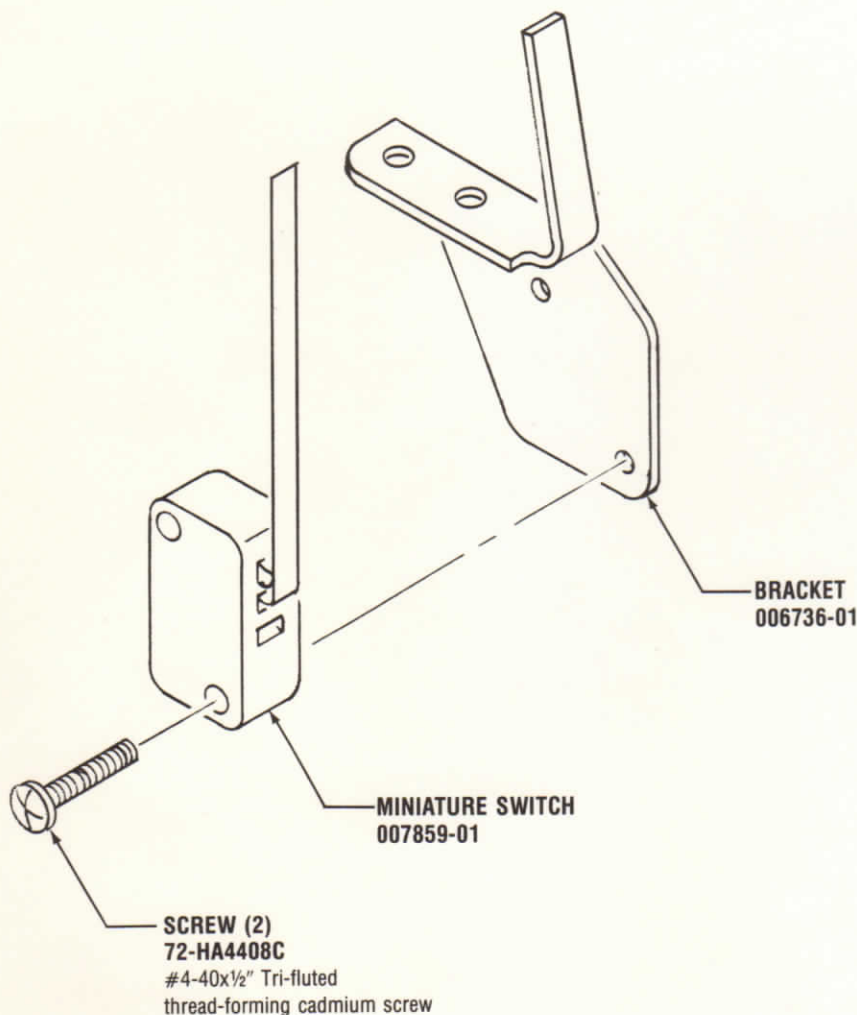
PLAYFIELD SUB-ASSEMBLY

SLINGSHOT SWITCH
A006756-01

Section **G**
Sheet 71

March 10/78

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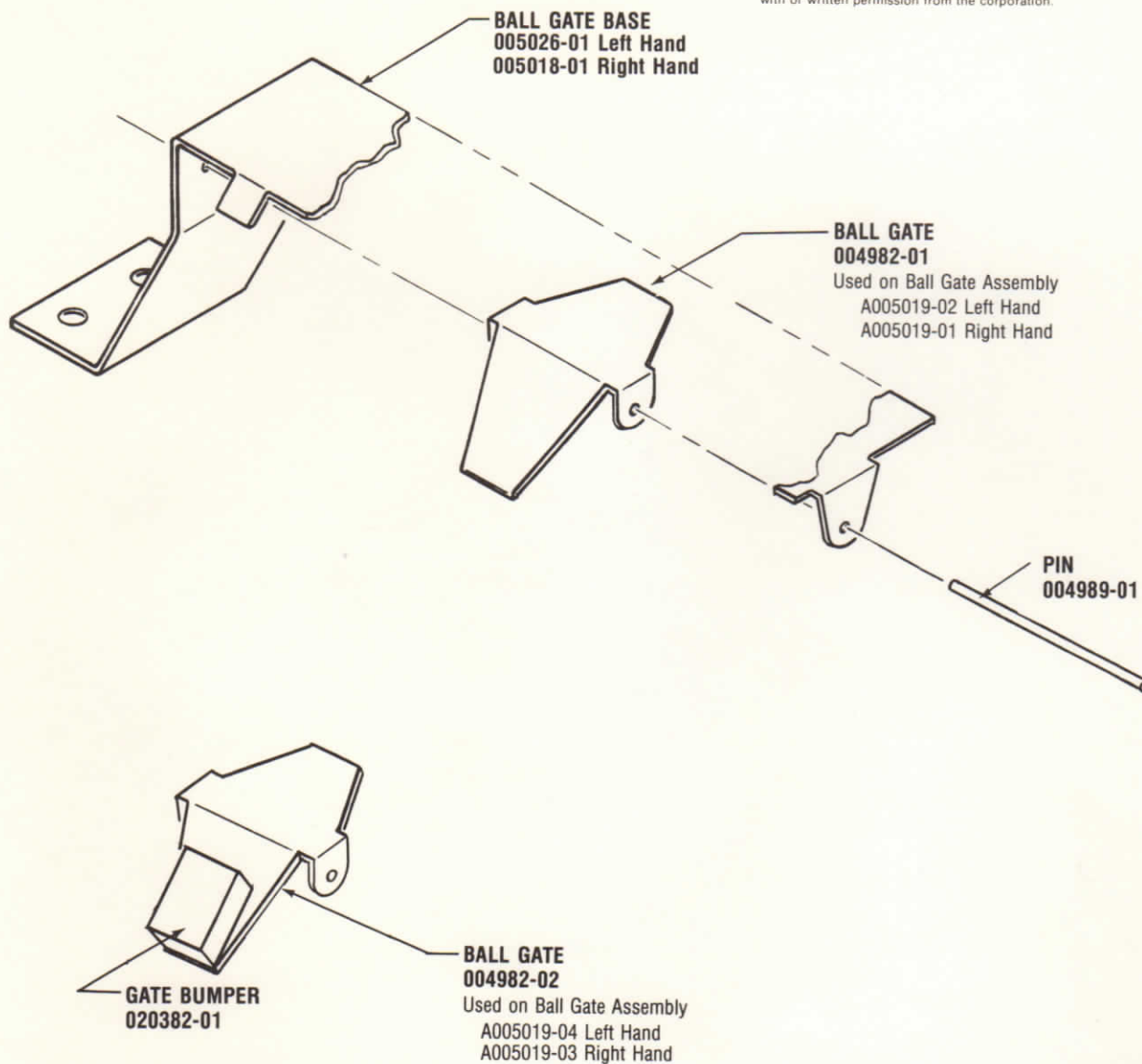
PLAYFIELD SUB-ASSEMBLY

BALL GATE
A005019-01 thru -04

Section **G**
Sheet 76

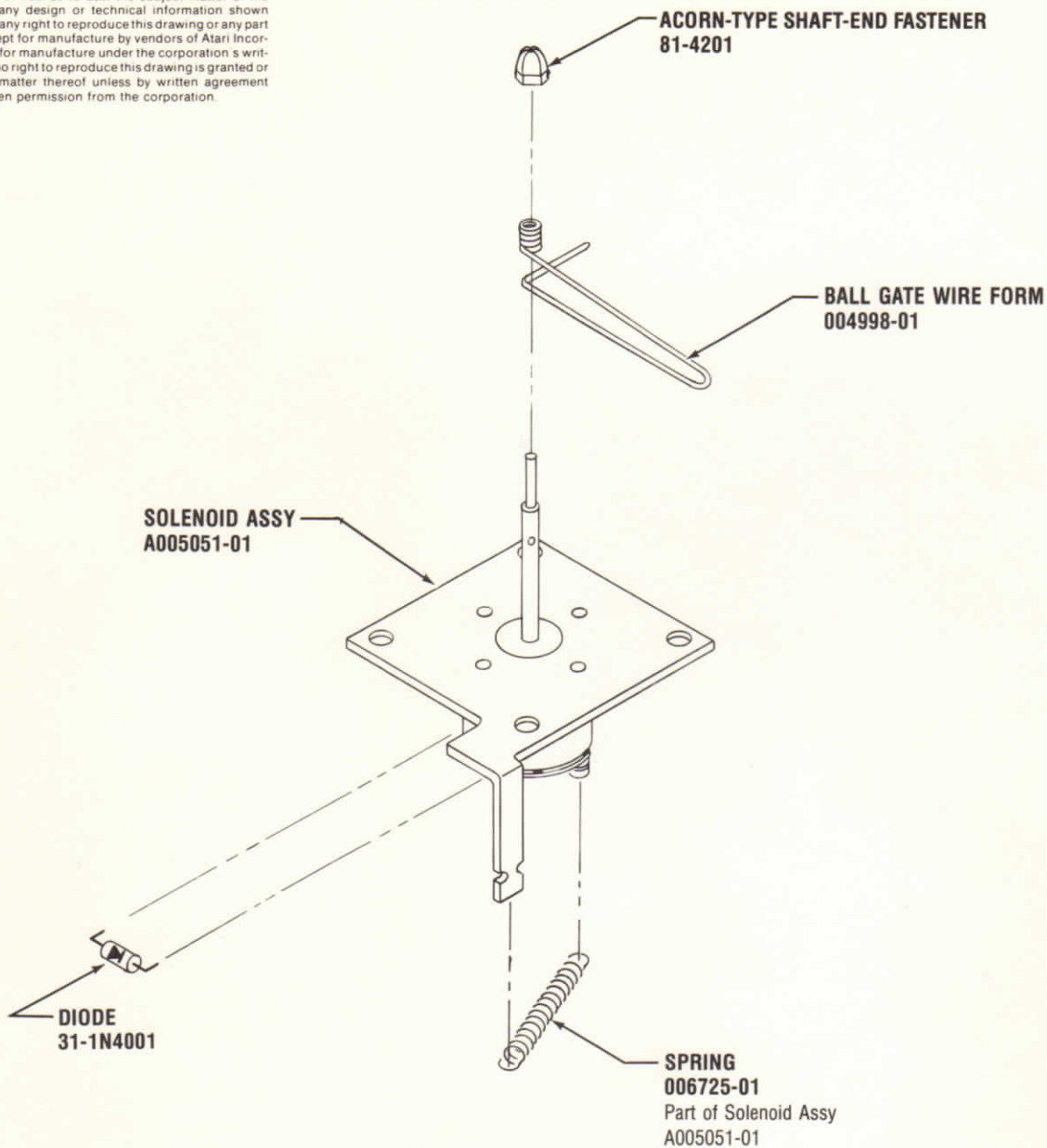
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NOTE:
RIGHT HAND GATE SHOWN.

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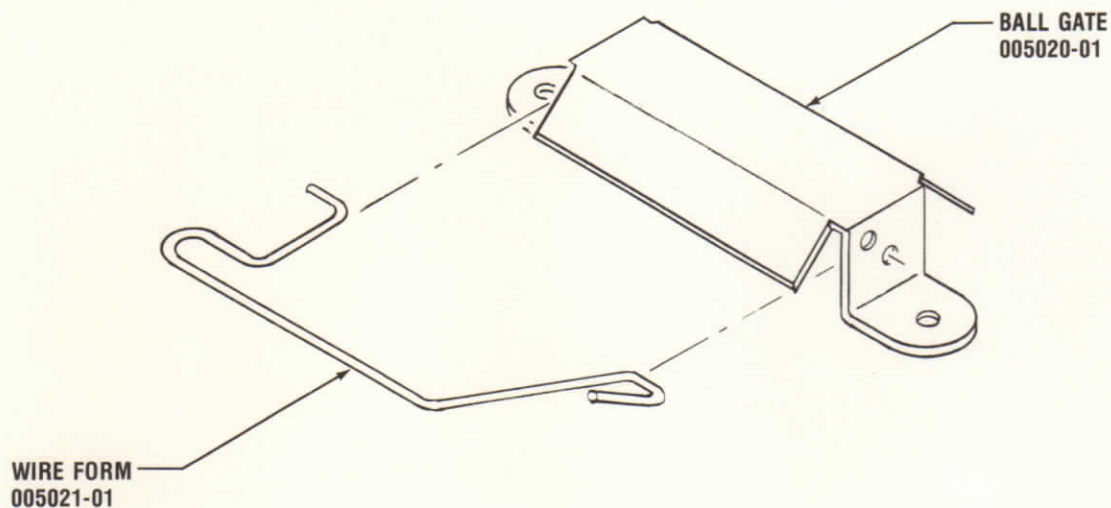
PLAYFIELD SUB-ASSEMBLY

SOLENOID TYPE BALL GATE
A006047-01

Section **G**
Sheet 77

March 10/78

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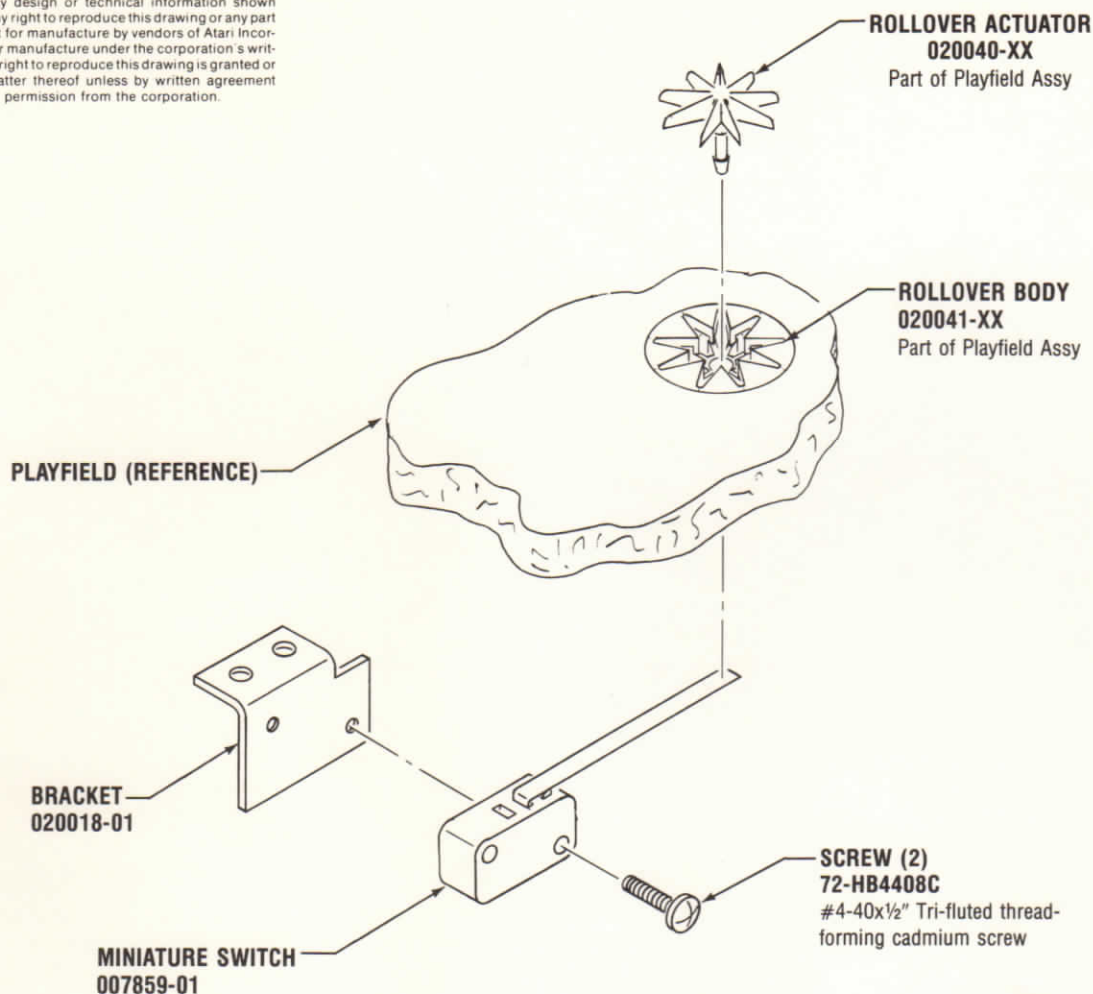
PLAYFIELD SUB-ASSEMBLY

BALL GATE
A006094-01

Section **G**
Sheet 79

March 10/78

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PART NUMBER		COLOR
TRANSPARENT	OPAQUE	
020040-01	020040-21	Brown
020040-02	020040-22	Red
020040-03	020040-23	Orange
020040-04	020040-24	Yellow
020040-05	020040-25	Green
020040-06	020040-26	Blue
020040-07	020040-27	Violet
020040-08	020040-28	Grey
020040-09	020040-29	White
020040-10	020040-30	Black
020040-11	020040-31	Clear
020040-13	020040-33	Amber

NOTE:

THREAD-FORMING SCREWS MAY BE REPLACED
BY NON-THREAD-FORMING MACHINE SCREWS.



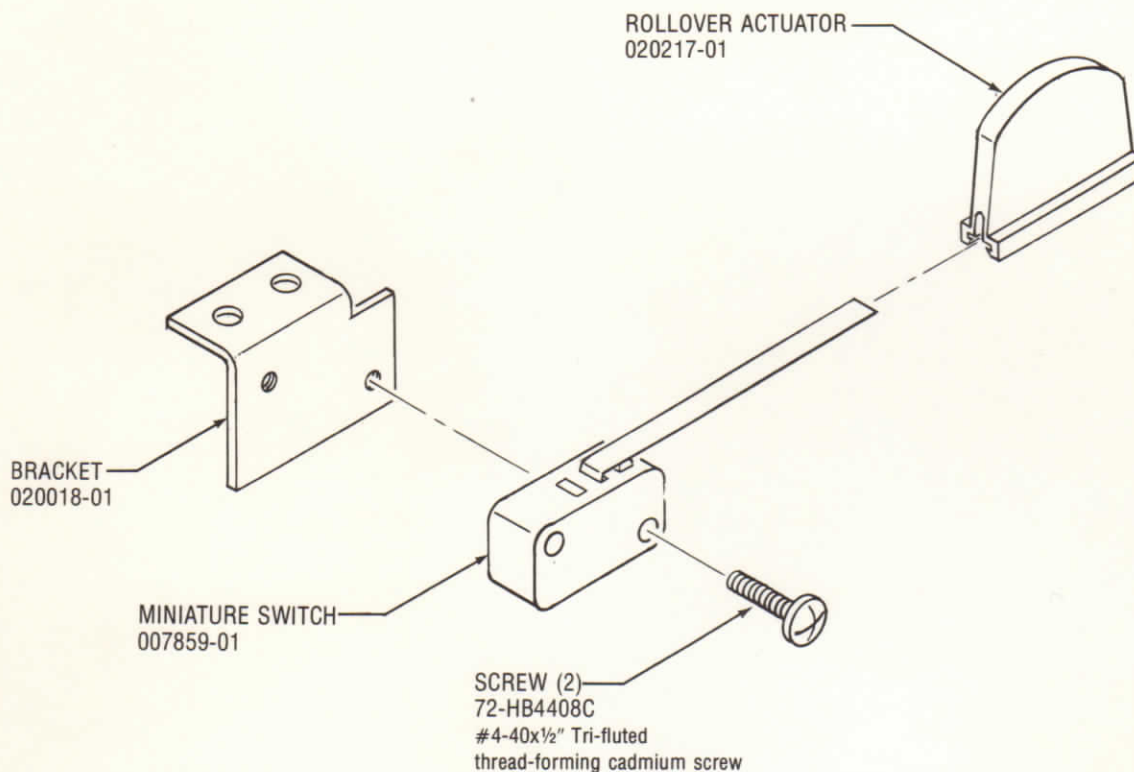
PLAYFIELD SUB-ASSEMBLY

ROLLOVER SWITCH
A020218-01

Section **G**
Sheet 87

March 10/78

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NOTE:

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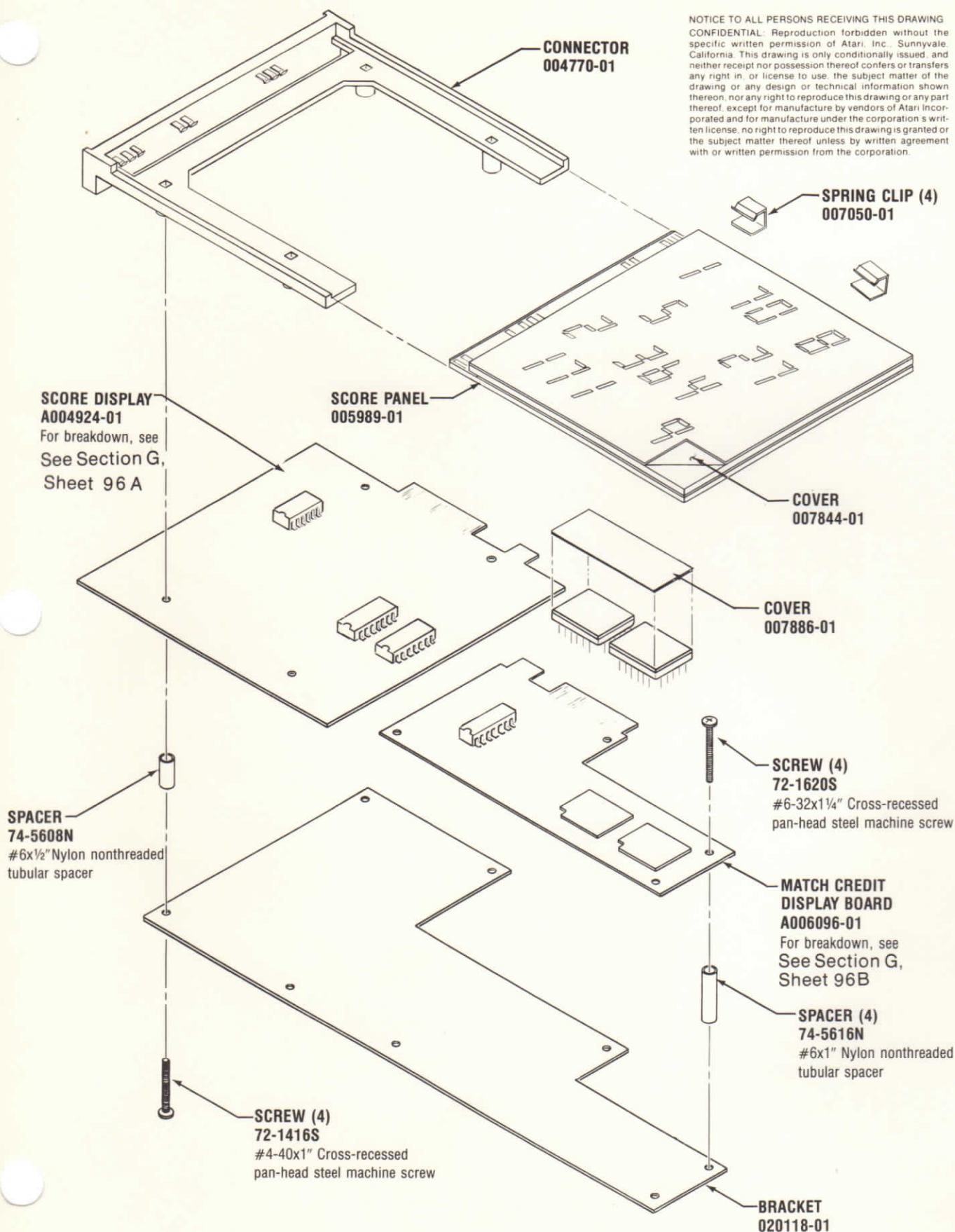


PLAYFIELD SUB-ASSEMBLY

SCORE DISPLAY A006743-01

Section **G**
Sheet 96

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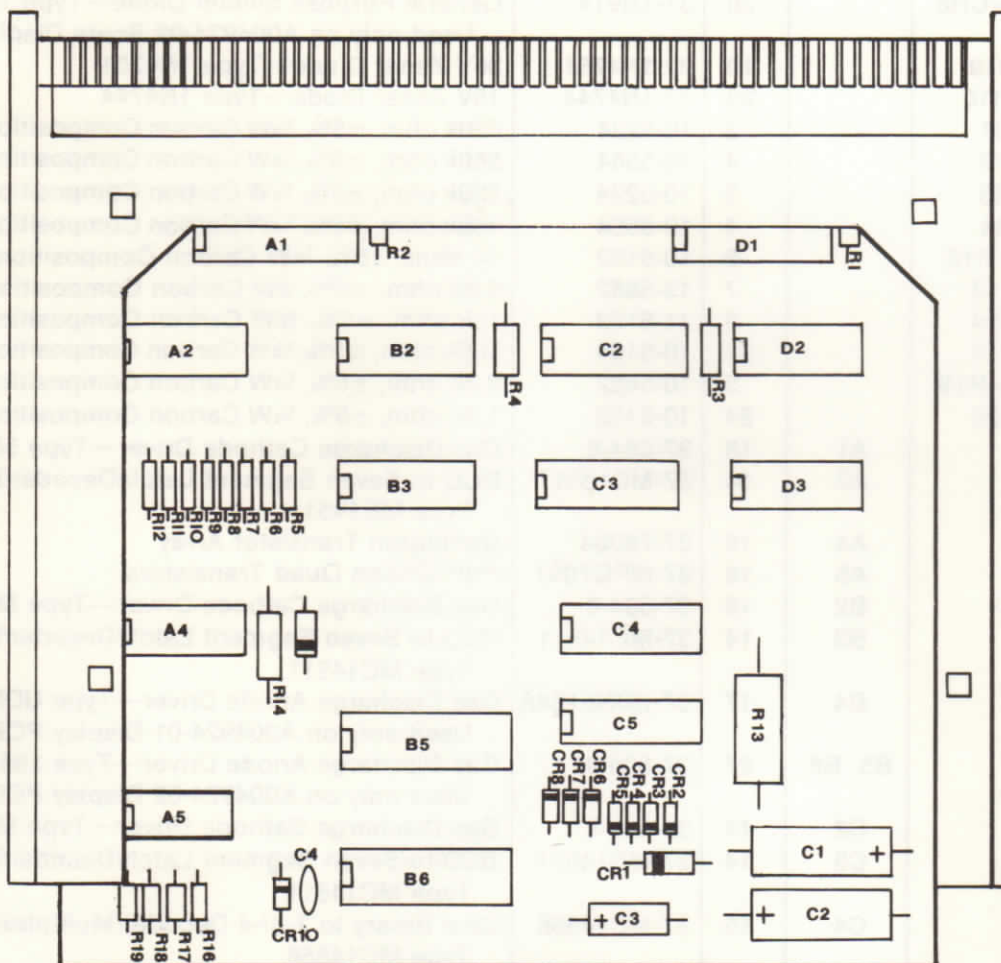


PLAYFIELD SUB-ASSEMBLY

SCORE DISPLAY DRIVE
A004924-01

Section **G**
Sheet 96 A

March 10/78



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NOTE:
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PLAYFIELD SUB-ASSEMBLY

SCORE DISPLAY DRIVE
A004924-01

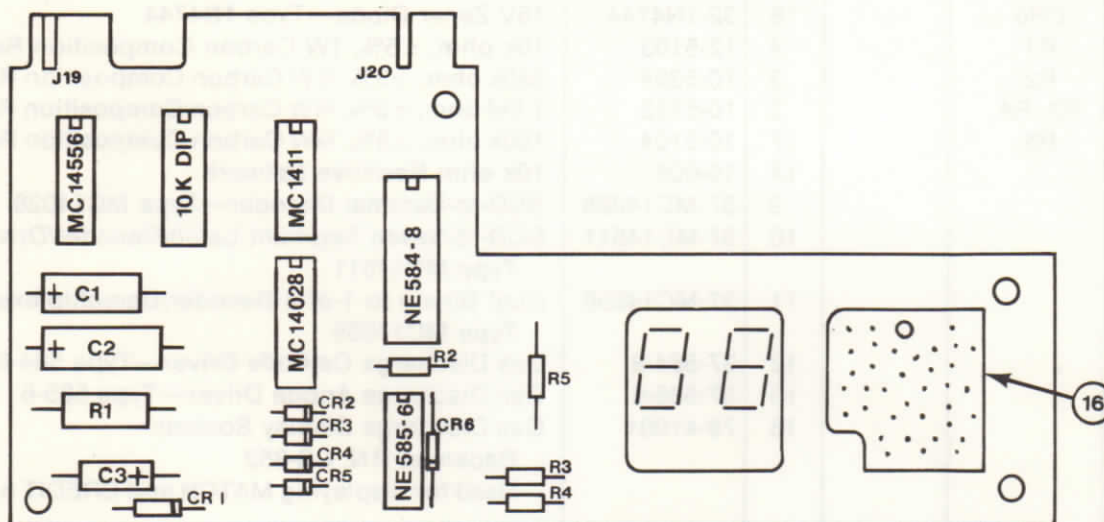
Section **G**
Sheet 96 A

March 10/78

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
C1, C2		8	24-101106	10 μ f, -10%, +50%, 100WVDC Axial Lead Electrolytic Capacitor
C3		9	24-500105	1 μ f, -10%, +50%, 50WVDC Axial Lead Electrolytic Capacitor
C4		25	27-101104	0.1 μ f, $\pm$ 20%, 100V Ceramic Disc Capacitor
CR1		11	32-1N5230	4.7V Zener Diode—Type 1N5230
CR2-CR8		26	31-1N914	General Purpose Silicon Diode—Type 1N914 Used only on A004924-02 Score Display PCBs
CR9		10	32-1N4751	30V Zener Diode—Type 1N4751
CR10		23	32-1N4744	15V Zener Diode—Type 1N4744
R1		3	10-5224	220k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R2		4	10-5564	560k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R3		3	10-5224	220k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R4		4	10-5564	560k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R5-R12		2	10-5102	1k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R13		7	13-5682	6.8k ohm, $\pm$ 5%, 2W Carbon Composition Resistor
R14		6	11-5153	15k ohm, $\pm$ 5%, 1/2W Carbon Composition Resistor
R15		22	10-5104	100k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R16-R19		5	10-5822	8.2k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R20		24	10-5182	1.8k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
	A1	18	37-584-8	Gas Discharge Cathode Driver—Type 584-8
	A2	14	37-MC14511	BCD-to-Seven Segment Latch/Decoder/Driver— Type MC14511
	A4	19	37-75004	Darlington Transistor Array
	A5	16	37-MPQ7091	PNP Silicon Quad Transistors
	B2	18	37-584-8	Gas Discharge Cathode Driver—Type 584-8
	B3	14	37-MC14511	BCD-to Seven Segment Latch/Decoder/Driver— Type MC14511
	B4	17	37-UDN6184A	Gas Discharge Anode Driver—Type UDN6184A Used only on A004924-01 Display PCBs
	B5, B6	27	37-585-9	Gas Discharge Anode Driver—Type 585-9 Used only on A004924-02 Display PCBs
	C2	18	37-584-8	Gas Discharge Cathode Driver—Type 584-8
	C3	14	37-MC14511	BCD-to-Seven Segment Latch/Decoder/Driver— Type MC14511
	C4	15	37-MC14556	Dual Binary to 1-of-4 Decoder/Multiplexer— Type MC14556
	C5	13	37-MC14028	BCD-to-Decimal Decoder—Type MC14028
	D1	18	37-584-8	Gas Discharge Cathode Driver—Type 584-8
	D2	14	37-MC14511	BCD-to-Seven Segment Latch/Decoder/Driver— Type MC14511
	D3	12	19-008	10k ohm Resistor Network—CTS P.N. 761-1-R10K
		20	004770-01	Score Panel Connector—Teledyne Kinetics P.N. S411U052
		21	72-1408S	#4-40x1/2" Phillips Pan-Head Steel Machine Screw Quantity of four used for mounting Score Panel Connector to Score Display PCB



PLAYFIELD SUB-ASSEMBLY



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MATCH/CREDIT PCB
A006096-01

Section **G**
Sheet 96B

March 10/78



PLAYFIELD SUB-ASSEMBLY

MATCH/CREDIT PCB
A006096-01

Section **G**
Sheet 96B

March 10/78

DESIG-NATION	LOCA-TION	ITEM	PART NUMBER	DESCRIPTION
C1, C2		7	24-101106	10 μ f, -10%, +50%, Axial Lead Electrolytic Capacitor
C3		5	24-500105	1 μ f, -10%, +50%, Axial Lead Electrolytic Capacitor
CR1		8	32-1N5230	4.7V Zener Diode—Type 1N5230
CR2-CR5		15	31-1N914	General Purpose Silicon Diode—Type 1N914
CR6		18	32-1N4744	15V Zener Diode—Type 1N4744
R1		4	12-5103	10k ohm, $\pm$ 5%, 1W Carbon Composition Resistor
R2		3	10-5394	390k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R3, R4		2	10-5155	1.5M ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
R5		17	10-5104	100k ohm, $\pm$ 5%, 1/4W Carbon Composition Resistor
		14	19-008	10k ohm Resistive Network
		9	37-MC14028	BCD-to-Decimal Decoder—Type MC14028
		10	37-MC14511	BCD-to-Seven Segment Latch/Decoder/Driver— Type MC14511
		11	37-MC14556	Dual Binary to 1-of-4 Decoder/Demultiplexer— Type MC14556
		12	37-584-8	Gas Discharge Cathode Driver—Type 584-6
		13	37-585-6	Gas Discharge Anode Driver—Type 585-6
		16	79-41001	Gas Discharge Display Sockets— Beckman P.N. CS-352 Used for displaying MATCH and CREDIT numbers

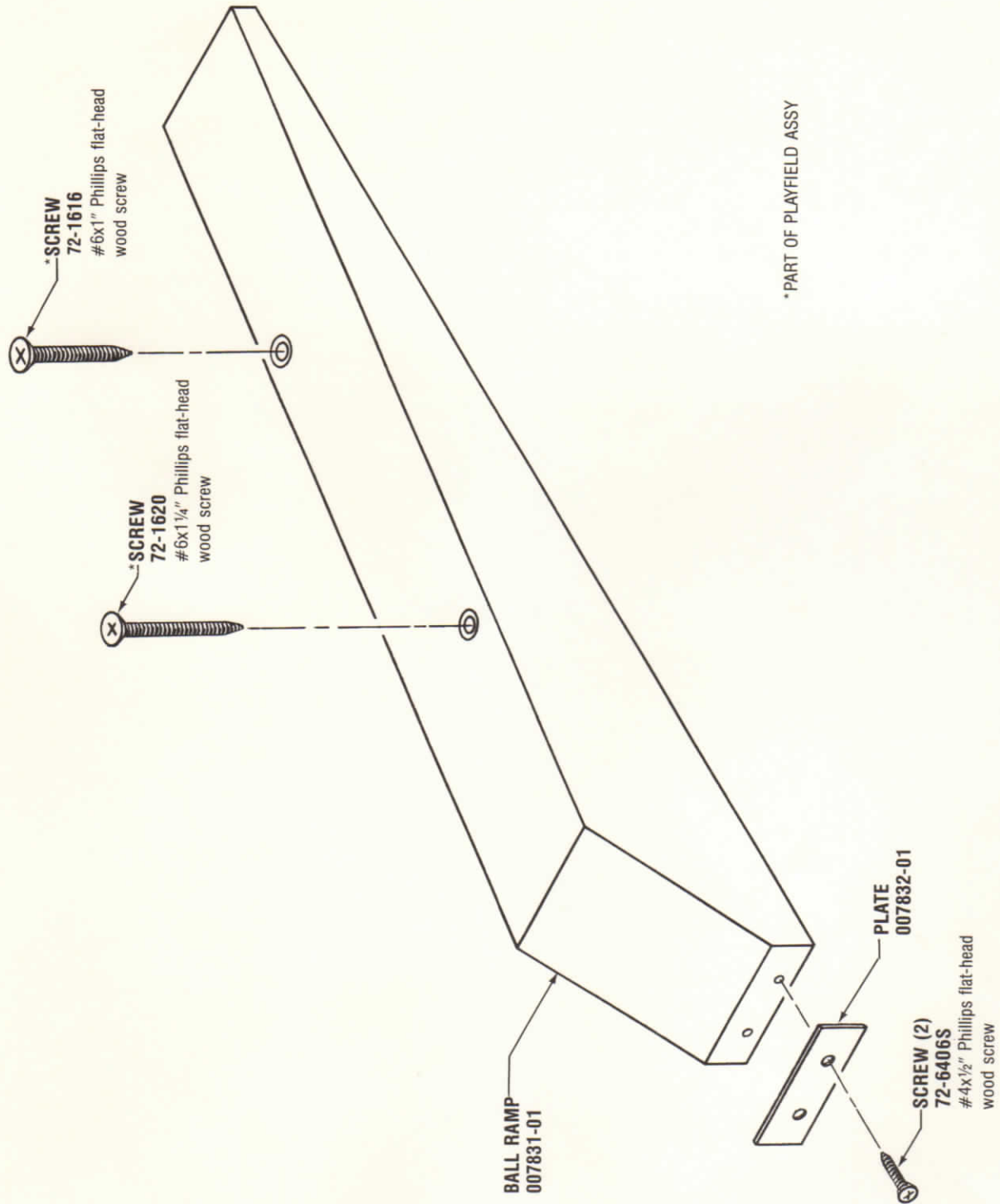


PLAYFIELD SUB-ASSEMBLY

BALL RETURN RAMP A007833-01

Section **G**
Sheet 97

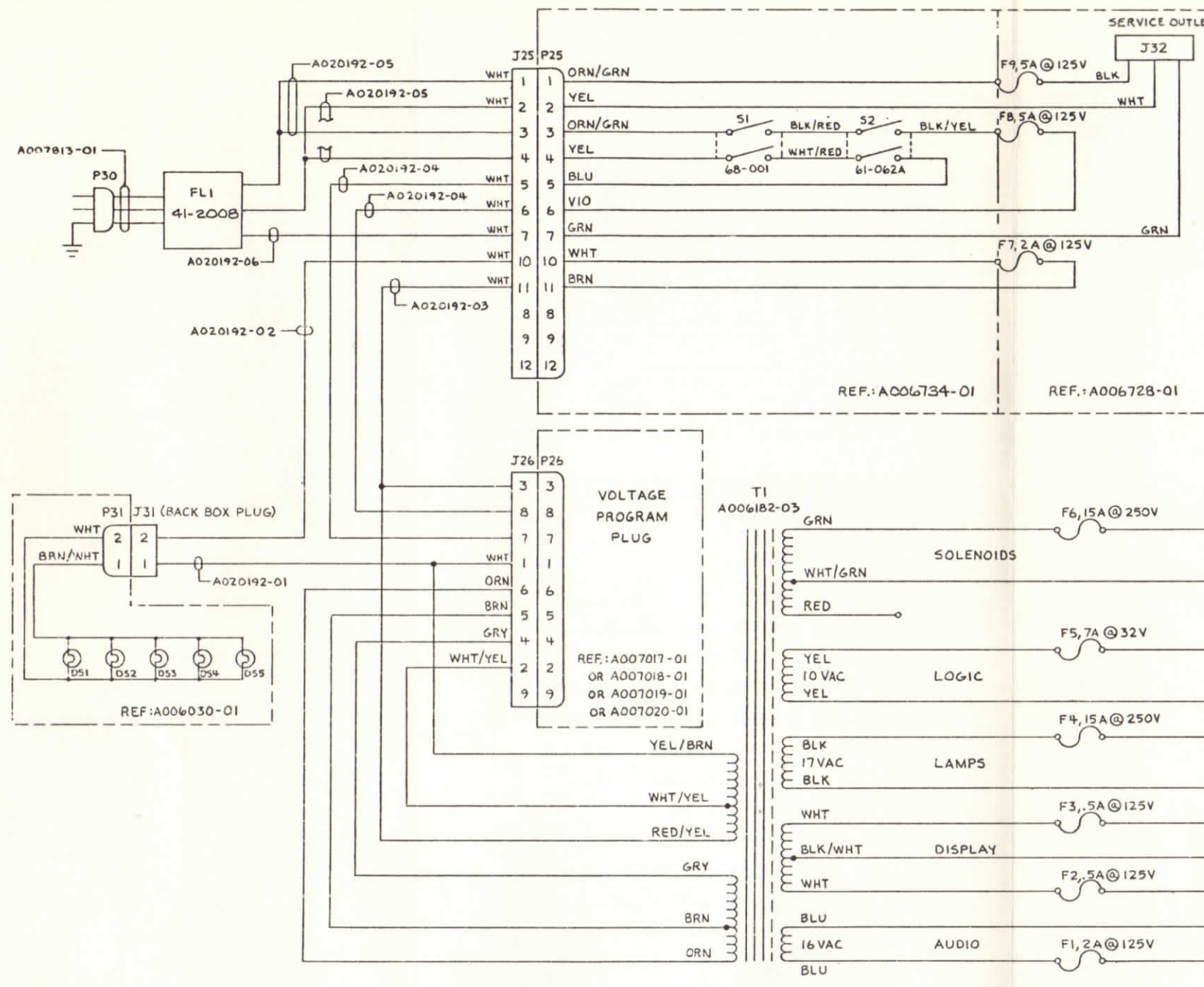
March 10/78



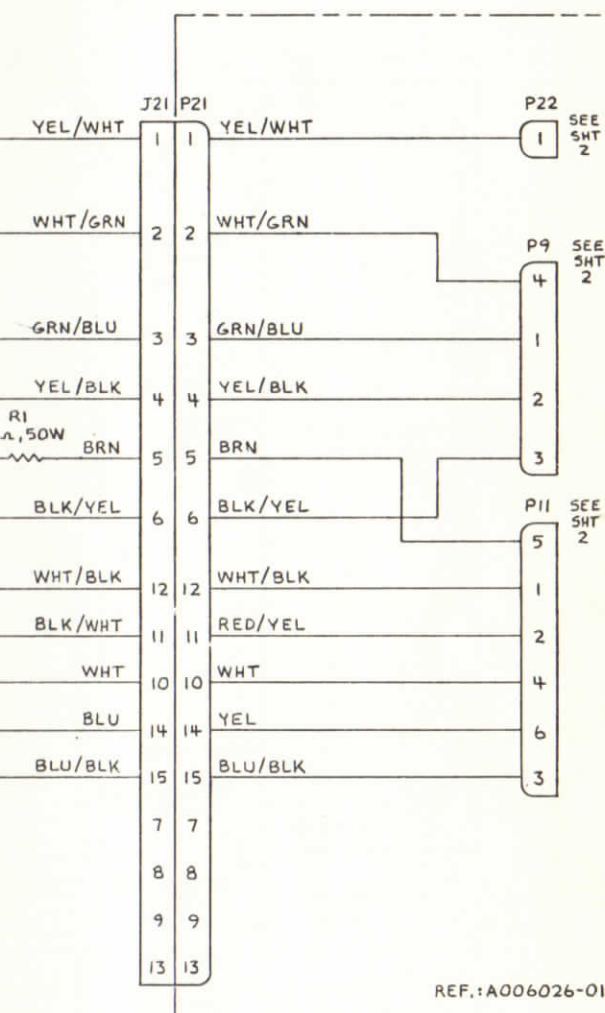
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APPENDIX



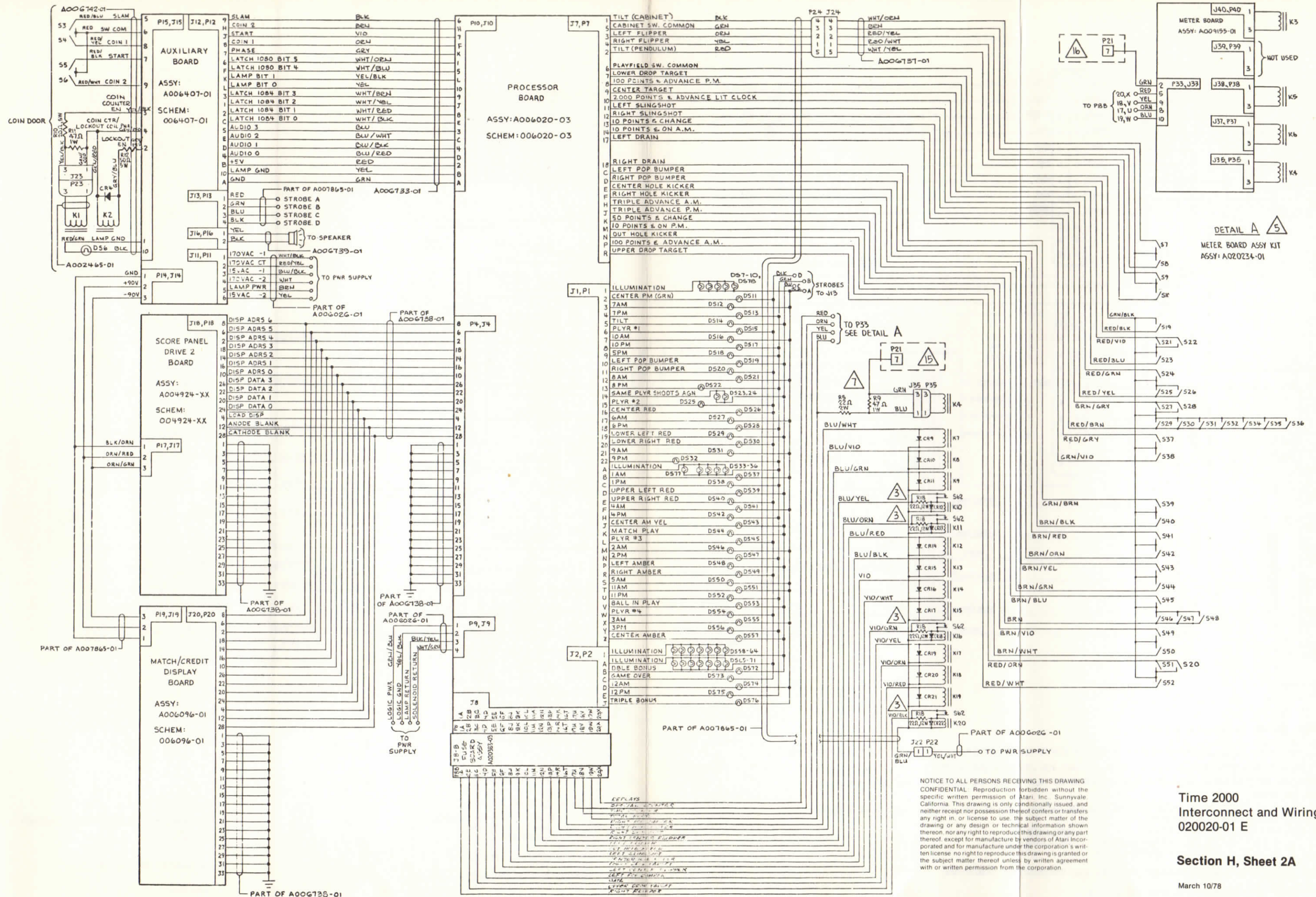
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The Atarians
 Interconnect and Wiring Diagram
 007837-01 C

Section H, Sheet 1A

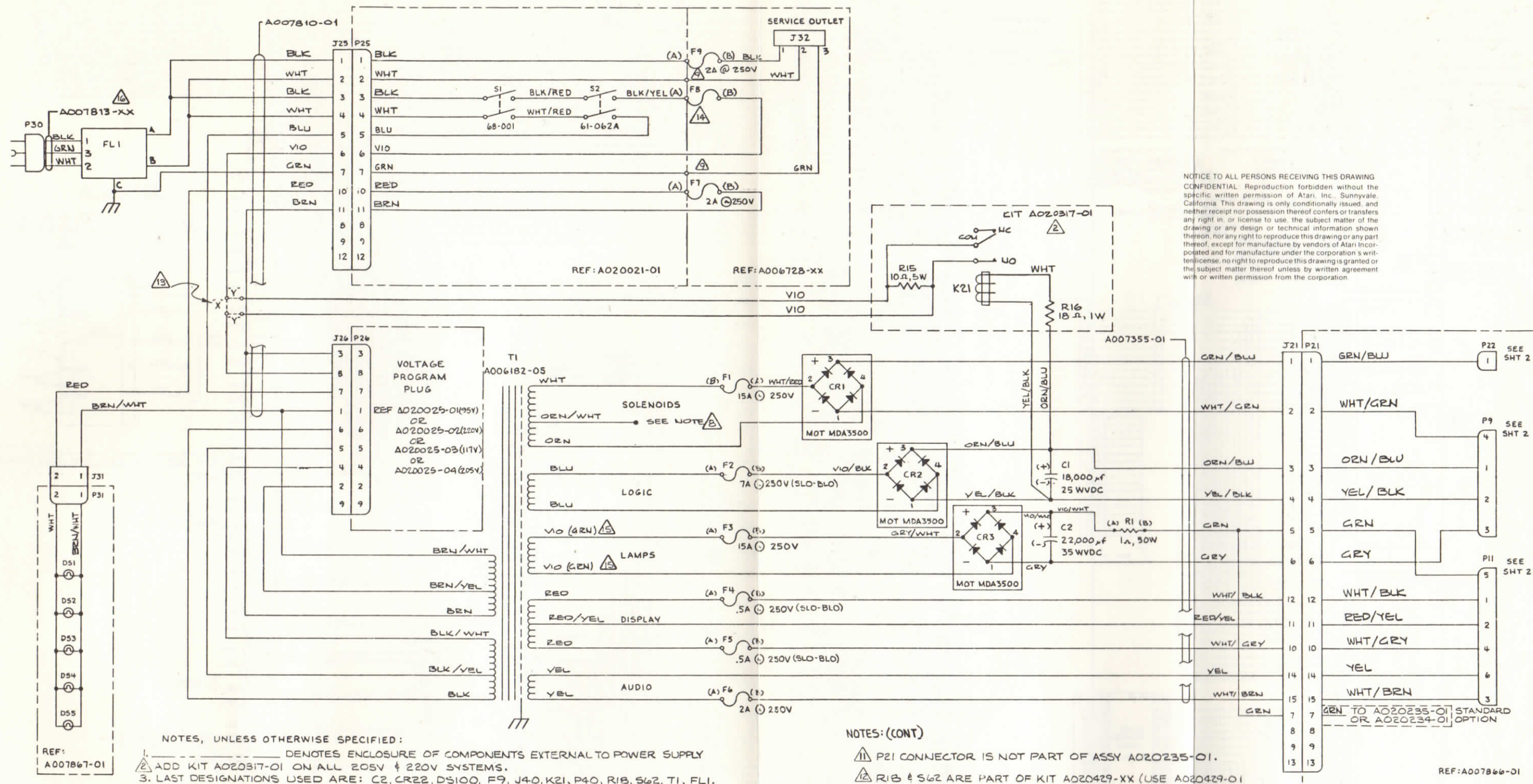
March 10/78



Time 2000
Interconnect and Wiring Diagram
020020-01 E

Section H, Sheet 2A

March 10/78



NOTES, UNLESS OTHERWISE SPECIFIED:

1. _____ DENOTES ENCLOSURE OF COMPONENTS EXTERNAL TO POWER SUPPLY
2. ADD KIT A020317-01 ON ALL 205V & 220V SYSTEMS.
3. LAST DESIGNATIONS USED ARE: C2, CR22, DS100, F9, J4-0, K21, P4-0, R18, S62, T1, FL1.
4. DIODES ARE IN4001.
5. ASSY A020234-01 IS USED ON MACHINES WITH OPTIONS. TO ADD METER BOARD OPTION: REMOVE BLU WIRE FROM P8-B PIN 19, W AND GRN WIRE FROM P21 PIN 7 IN ASSY A020235-01. ADD ASSY A020234-01 AS SHOWN IN DETAIL A.
6. ASSY A020235-01 IS A STANDARD ITEM ON ALL PRODUCTION MACHINES.
7. REF DES, NOT USED: DS 9, 29, 30, 53, 55, 57, 79, 82 S12, 53, 54, 57 THRU 61
J3, 5, 6, 27 THRU 30, 33, 34 R2 THRU 4, 6 THRU 8, 13, 14
P3, 5, 6, 27 THRU 29, 32 THRU 34 CR 14 THRU 18
8. OPTIONAL 35 VAC FOR SOLENOID DRIVE
9. SPLICE TOGETHER AT A006728-01
10. P21 CONNECTOR IS NOT PART OF ASSY A020234-01.

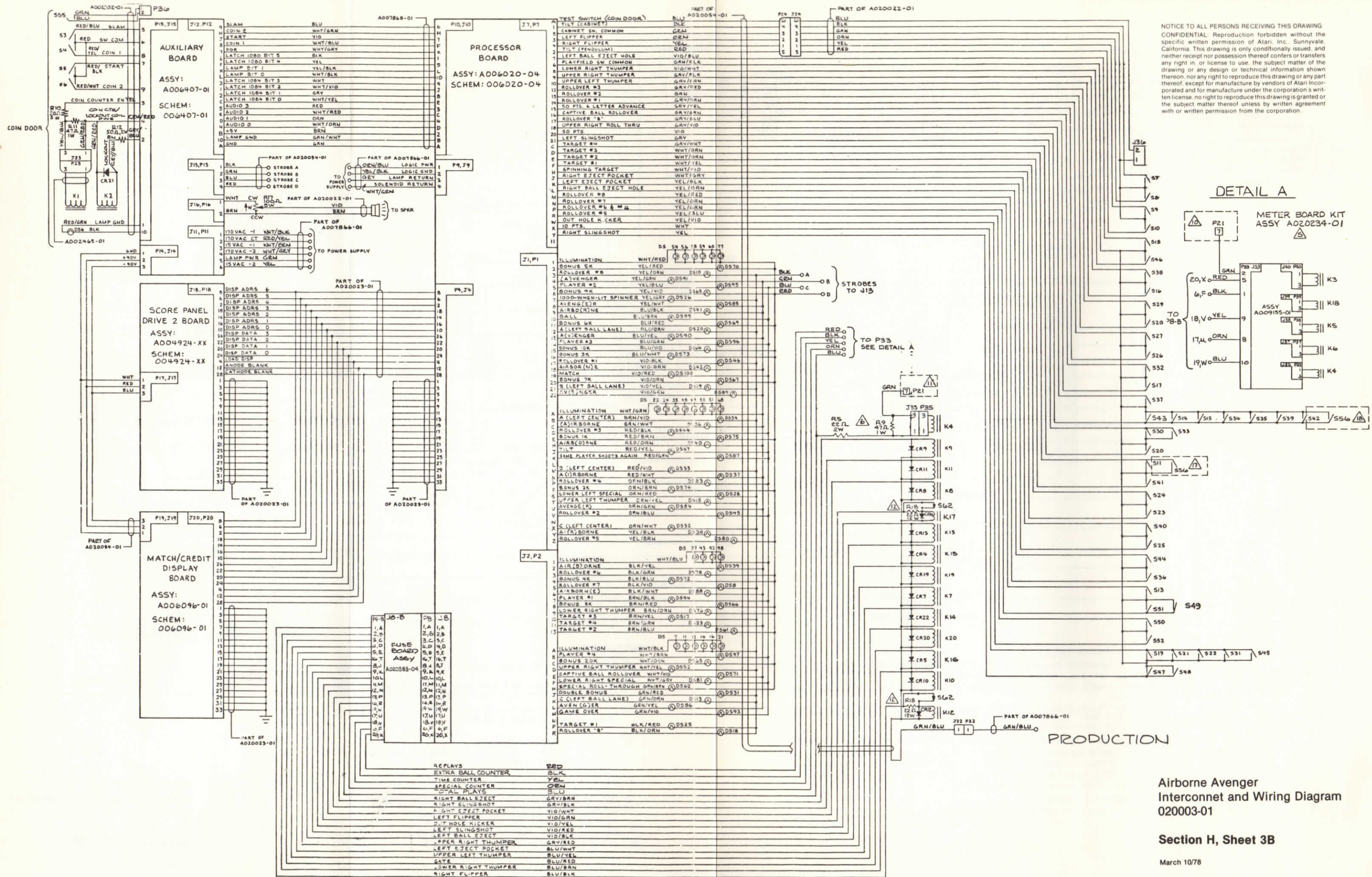
NOTES: (CONT)

11. P21 CONNECTOR IS NOT PART OF ASSY A020235-01.
12. R18 & S62 ARE PART OF KIT A020429-XX (USE A020429-01 FOR RIGHT FLIPPER & A020429-02 FOR LEFT FLIPPER).
13. "X" WIRING IS FOR 95V & 110V GAMES. "Y" WIRING IS FOR 205V & 220V GAMES.
14. VOLTS FUSE TYPE
95 & 117 F8 7A @ 250V (SLO-BLO)
205 & 220 F8 4A @ 250V (SLO-BLO)
15. GRN IS AN OPTIONAL COLOR.
16. USE POWER CORD ASSY A007813-03 FOR GERMAN GAMES, A007813-04 FOR AUSTRALIAN GAMES AND A007813-01 OR -02 FOR DOMESTIC GAMES.
17. ADD S56 FOR GERMAN GAMES ONLY
18. ADD S56 FOR ALL OTHER GAMES.

Airborne Avenger
Interconnect and Wiring Diagram
020003-01

Section H, Sheet 3A

March 10/78

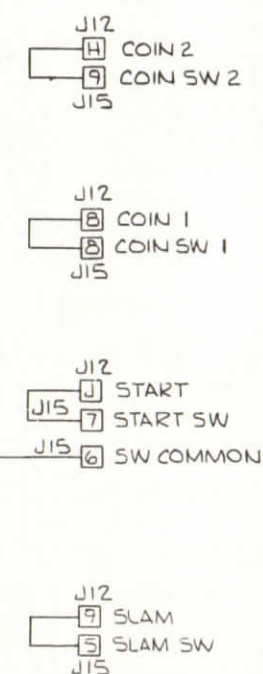
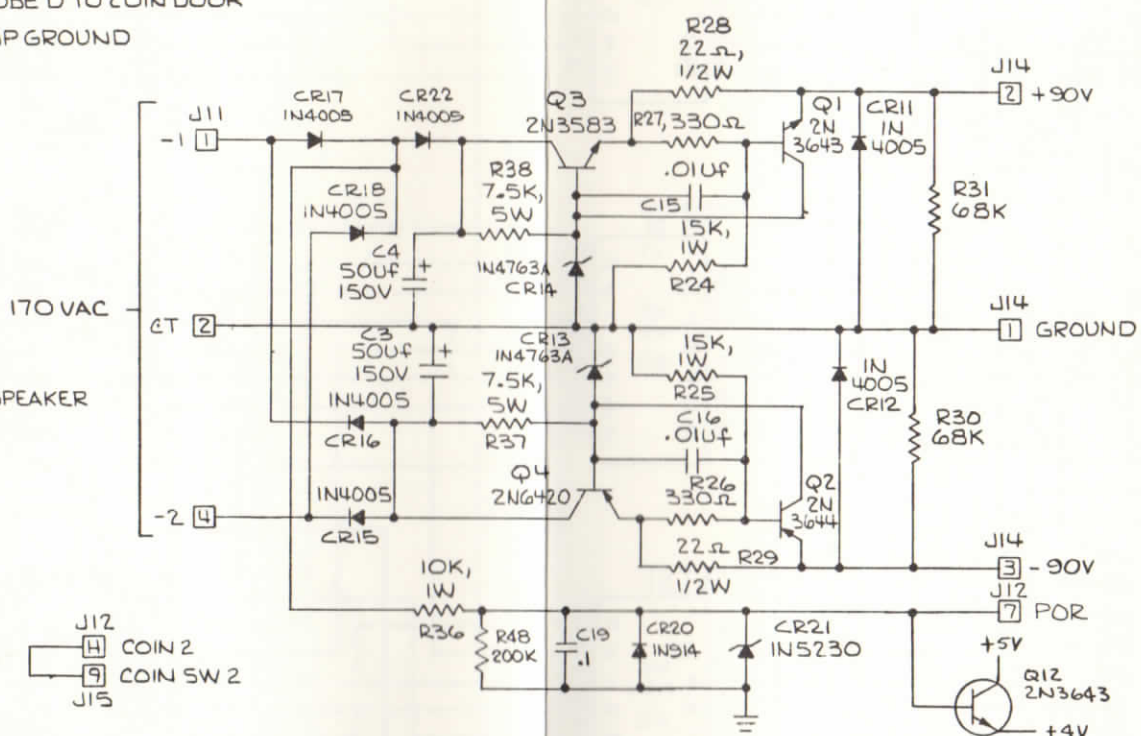
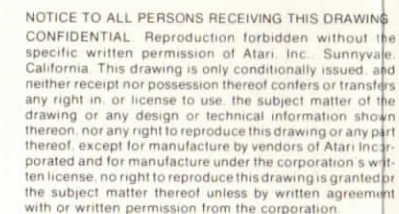


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Airborne Avenger
 Interconnect and Wiring Diagram
 020003-01

Section H, Sheet 3B

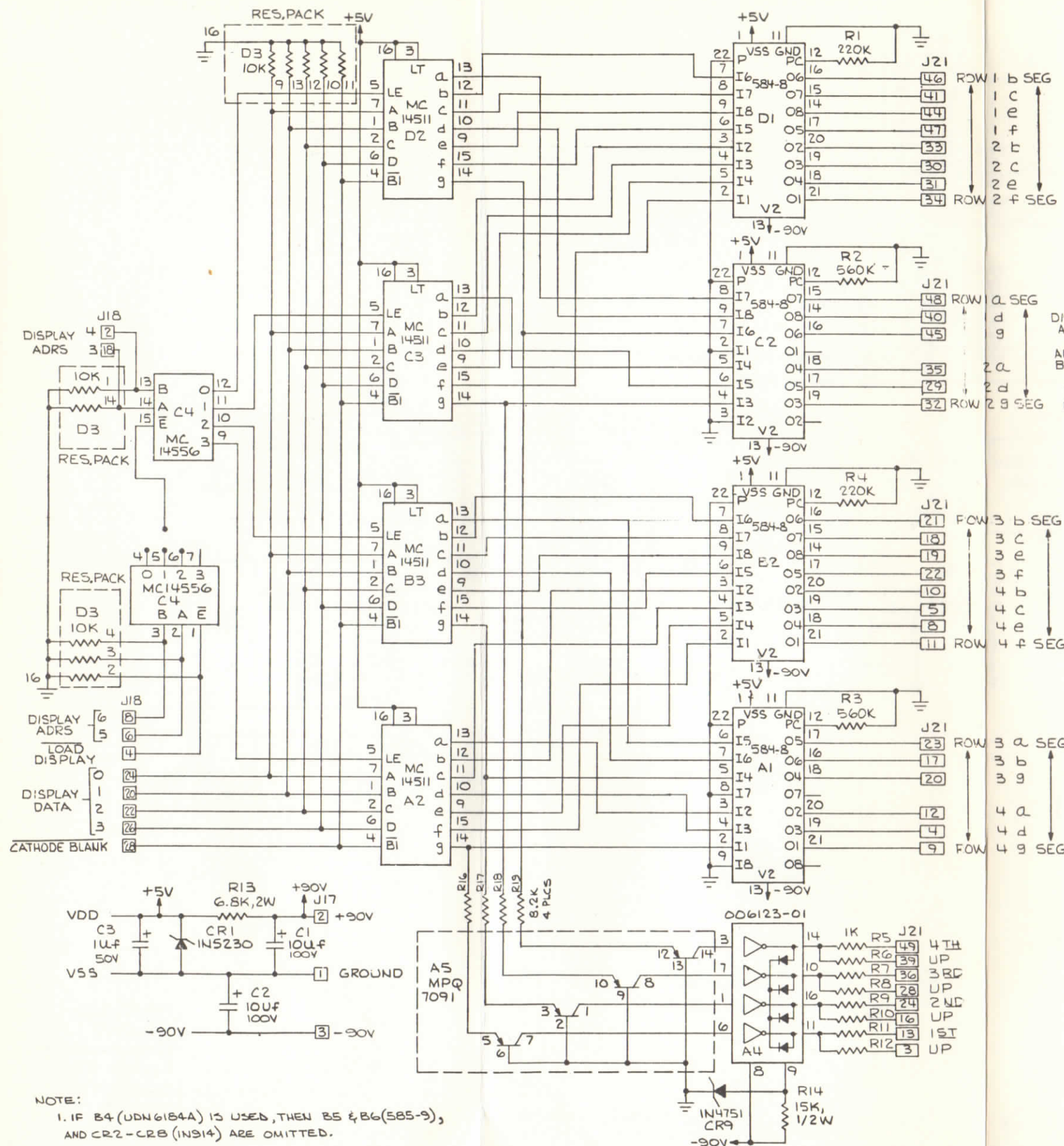
March 10/78



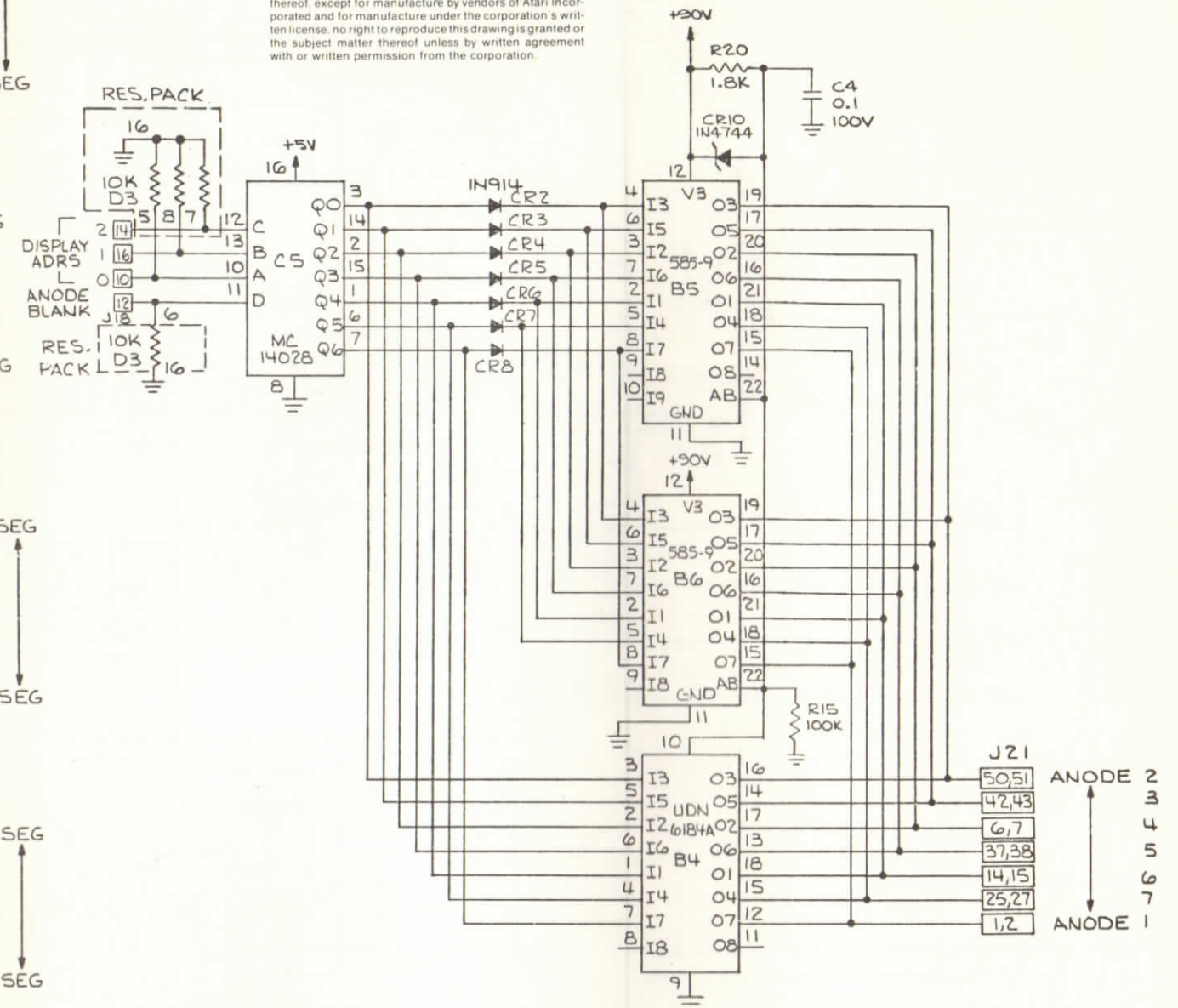
The Atarians
Time 2000
Airborne Avenger
Auxiliary PCB
Schematic Diagram
006407-01

Section H, Sheet 10A

March 10/78



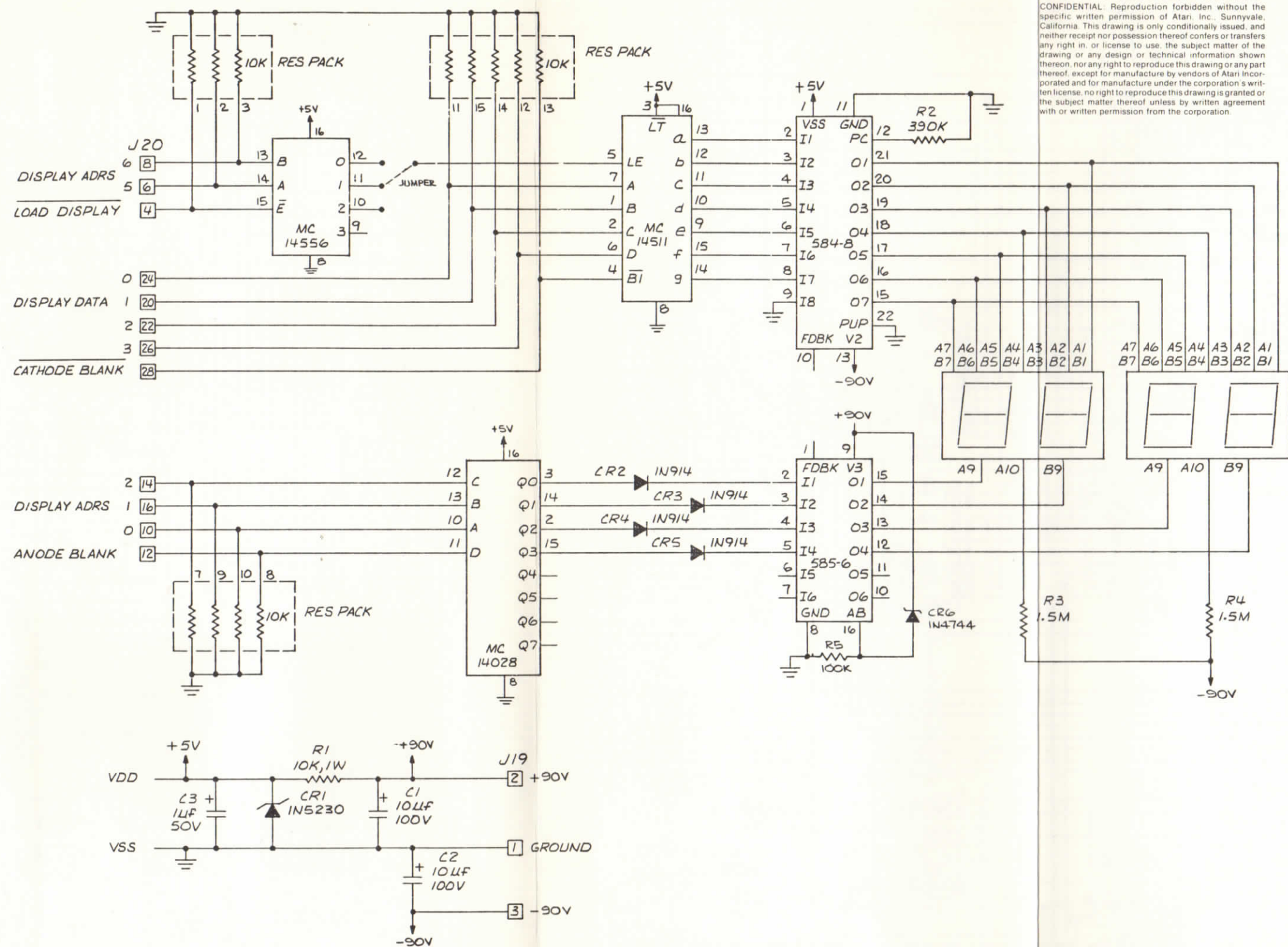
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The Atarians
 Time 2000
 Airborne Avenger
 Score Panel Drive 2 PCB
 Schematic Diagram
 004924-01, -02 B

Section H, Sheet 11A

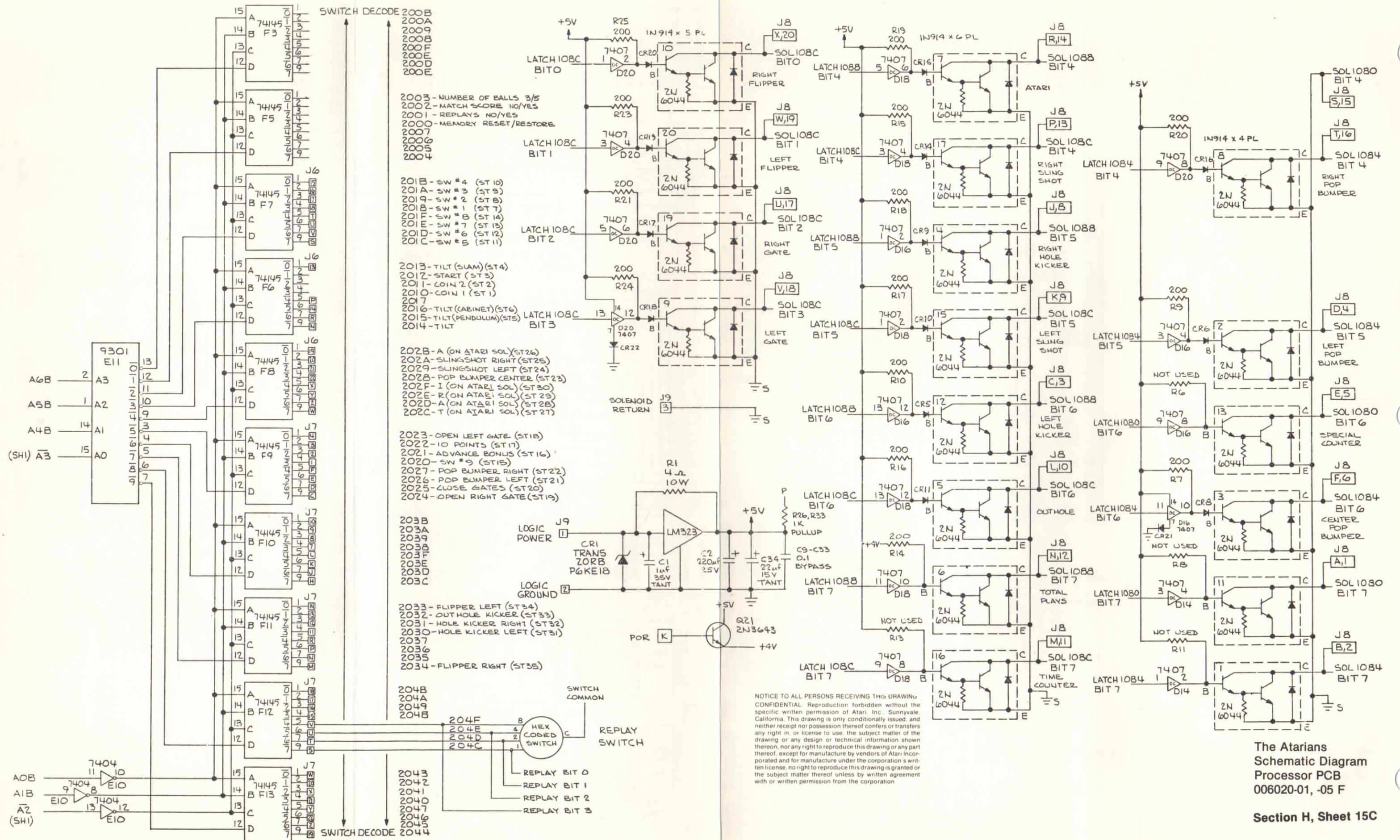
March 10/78



The Atarians
 Time 2000
 Airborne Avenger
 Match/Credit PCB
 Schematic
 006096-01 B

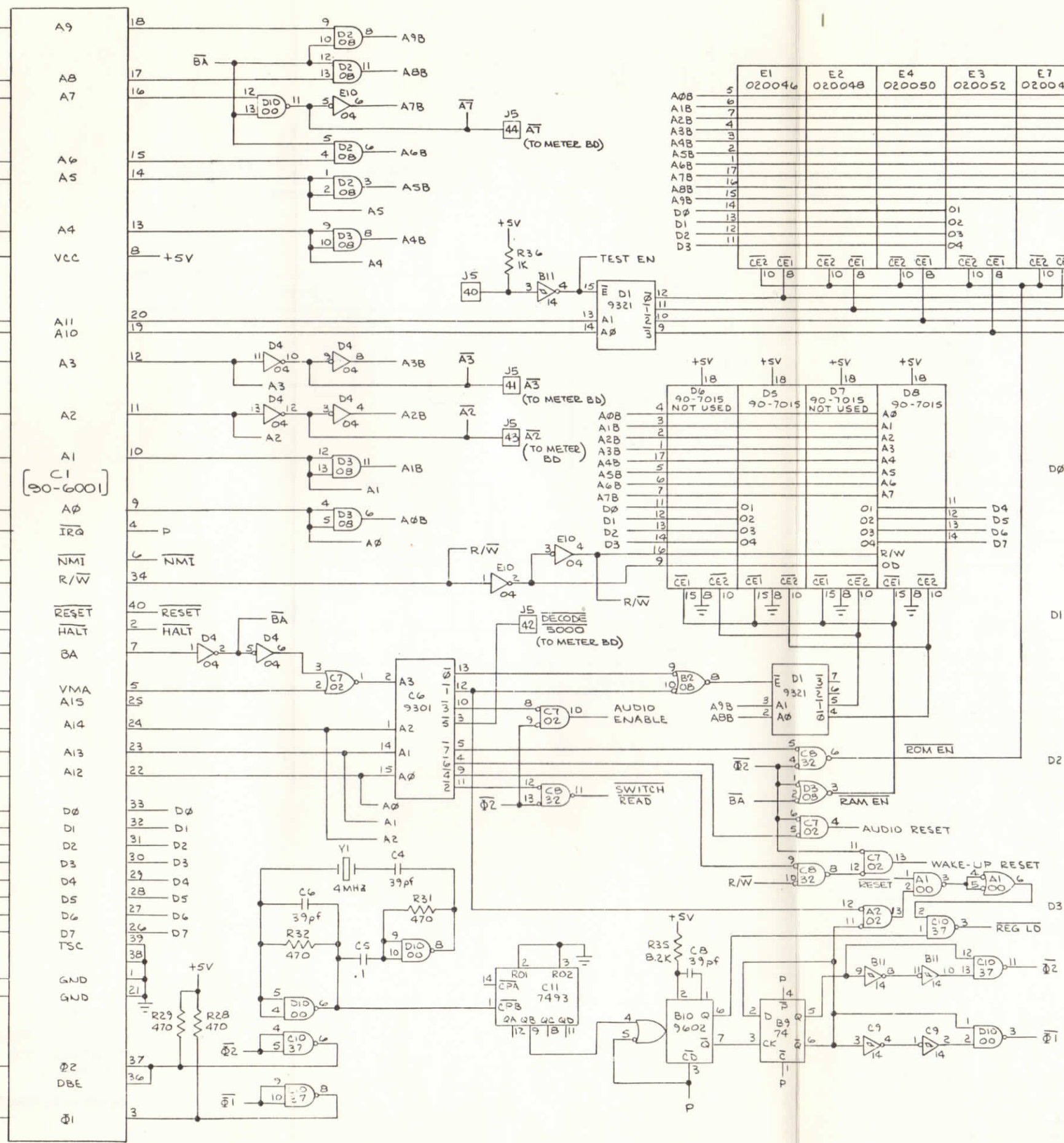
Section H, Sheet 13A

March 10/78

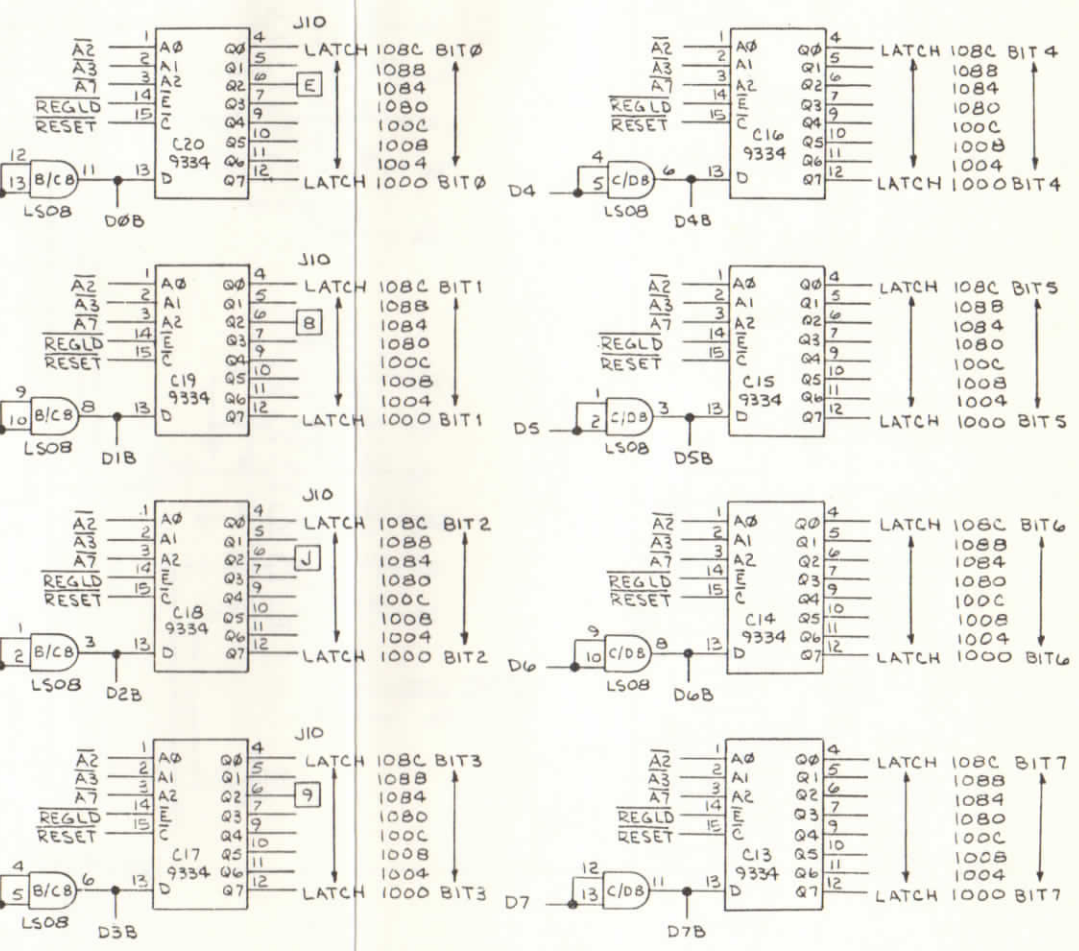


The Atarians
Schematic Diagram
Processor PCB
006020-01, -05 F

J5
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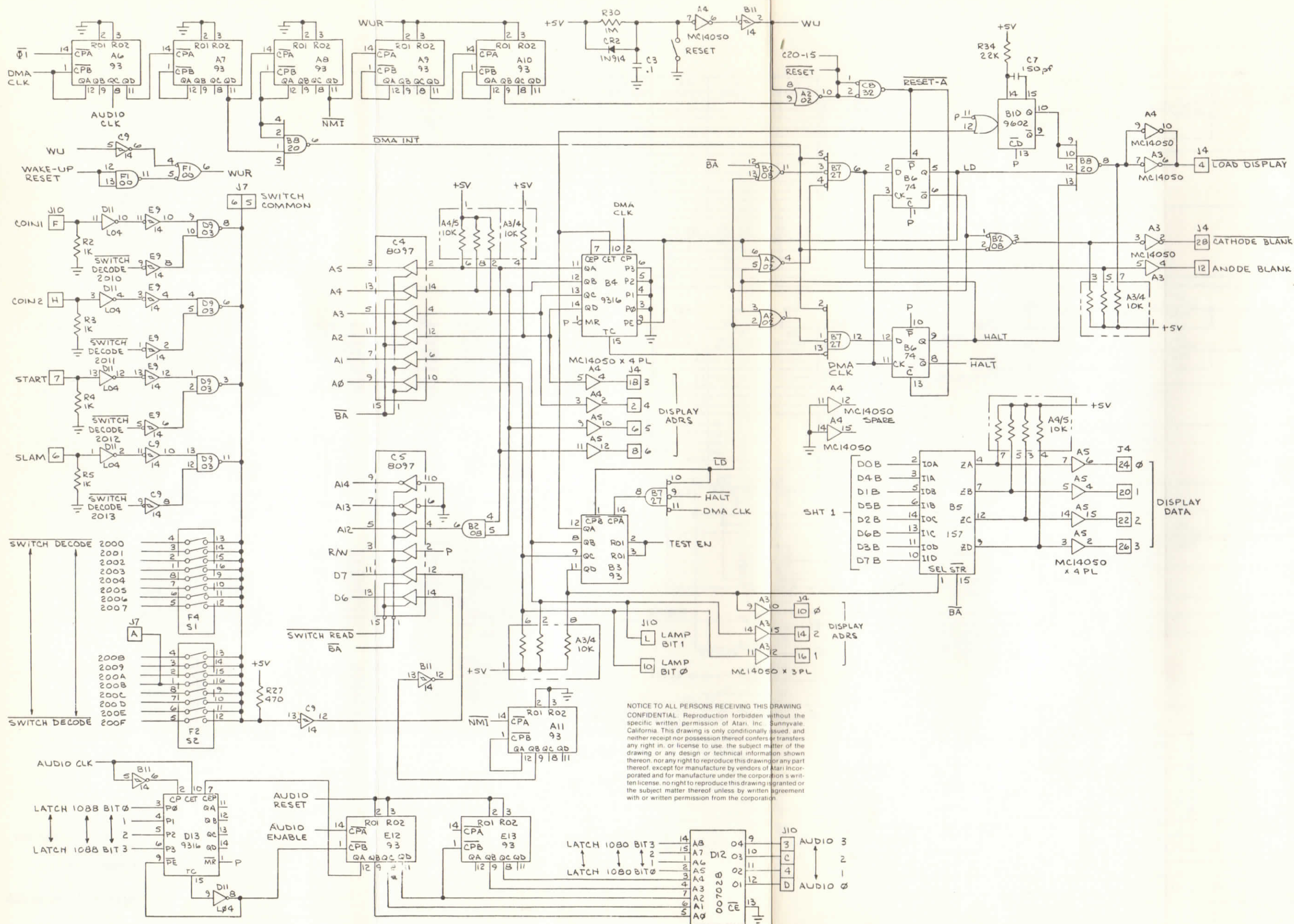


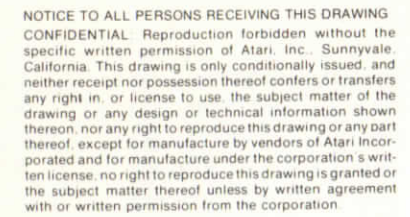
	E1	E2	E4	E3	E7	E8	E5	E6
A0B	020046	020048	020050	020052	020047	020049	020051	020053
A1B								
A2B								
A3B								
A4B								
A5B								
A6B								
A7B								
A8B								
A9B								
D0				01		01		
D1				02		02		
D2				03		03		
D3				04		04		
CE1	10	10	10	10	10	10	10	10
CE2	10	10	10	10	10	10	10	10



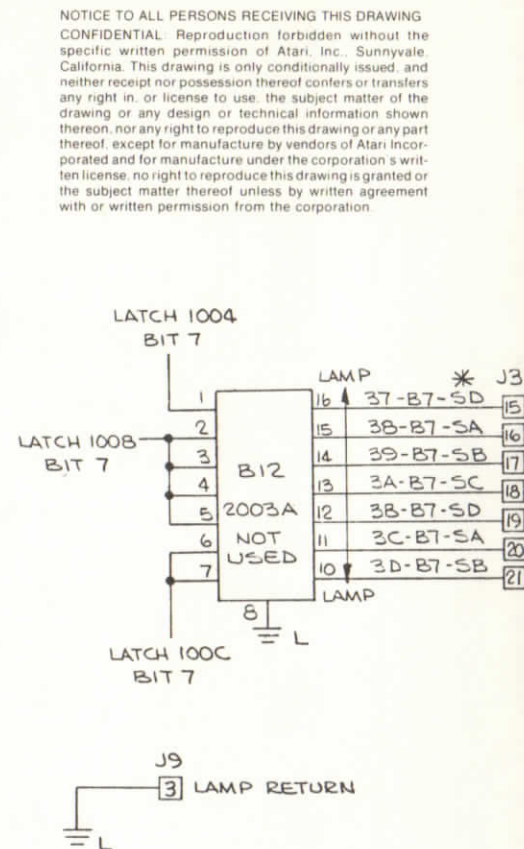
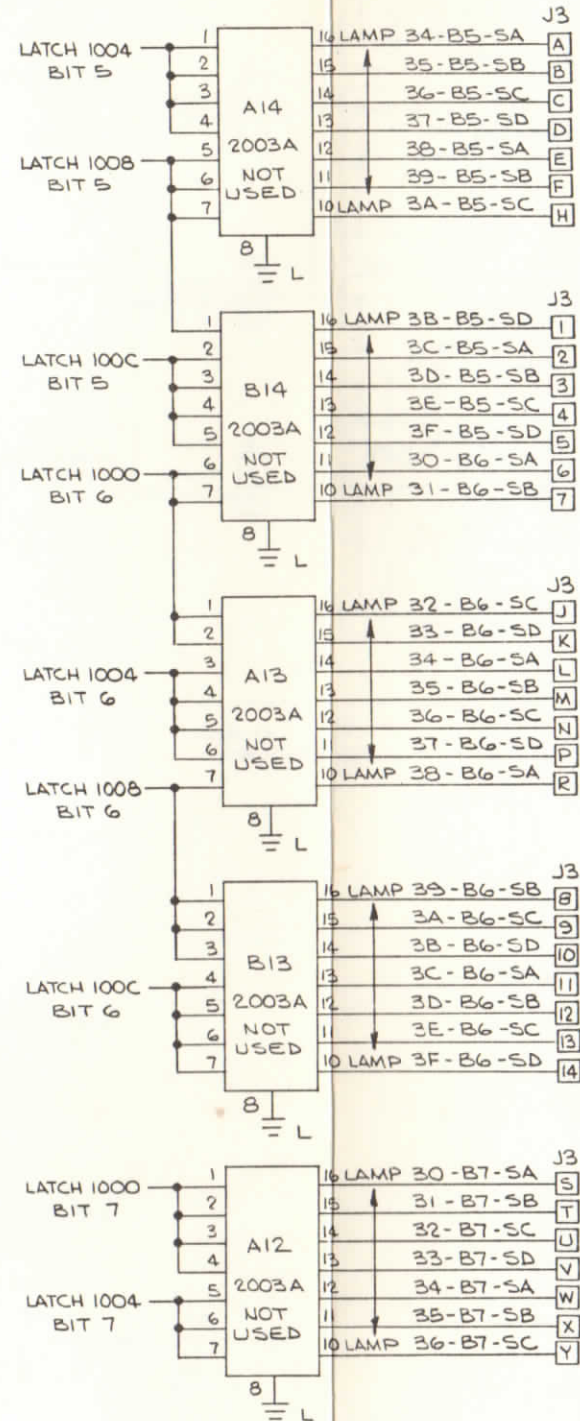
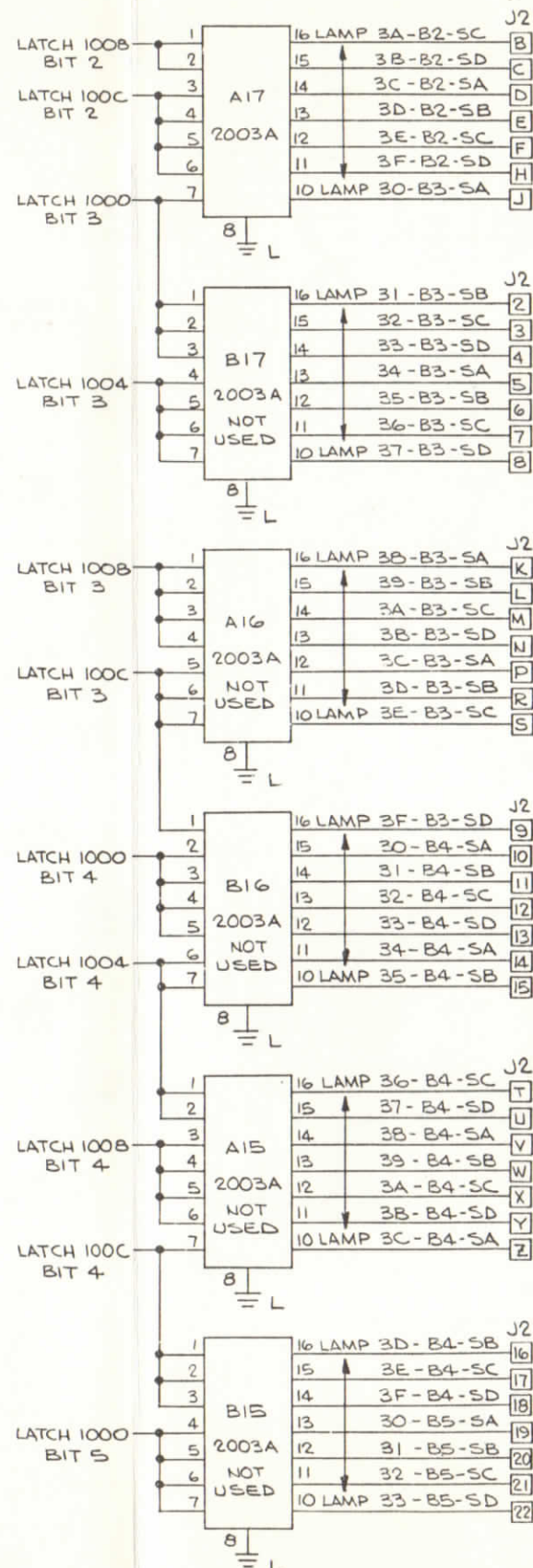
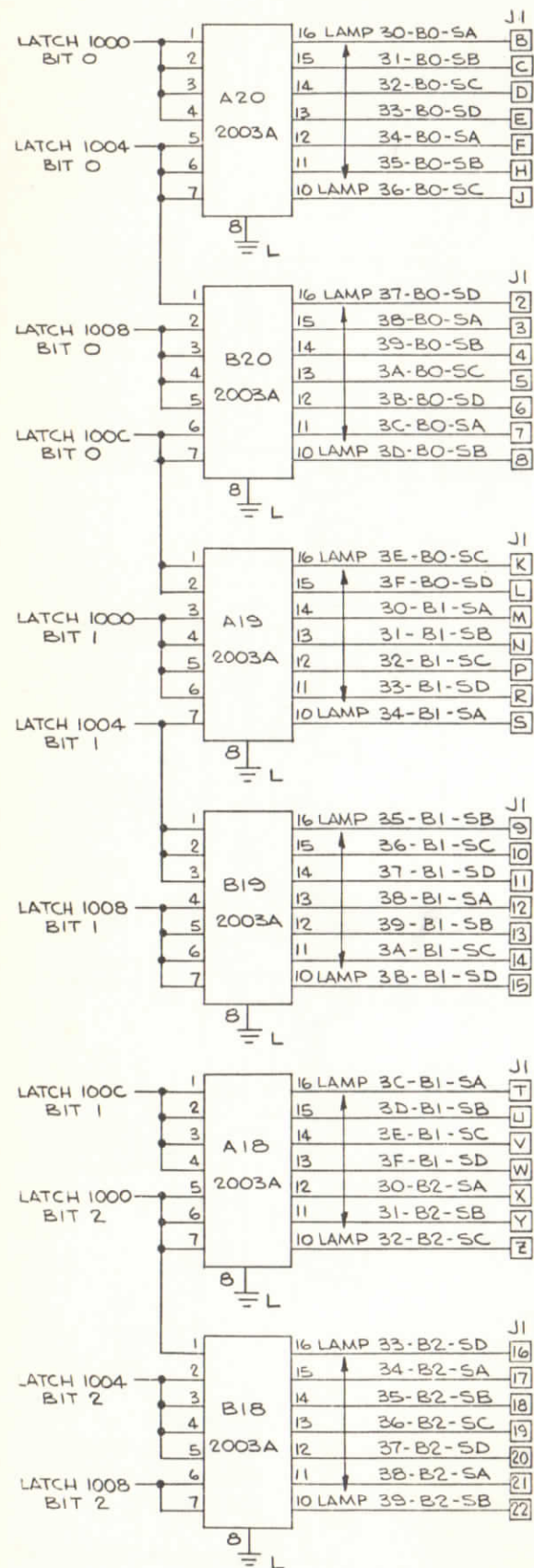
NOTES: UNLESS OTHERWISE SPECIFIED
 1. LAST REF DES USED: C34, CR22, J10, Q20, R36, Y1.
 2. REF DES NOT USED: CR17, 18, 20, J3, 6, Q9, 10, 14, 18, 19, R12, 21, 22, 24, 25

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Section H, Sheet 16C



* RAM LOC BIT NO. STRB

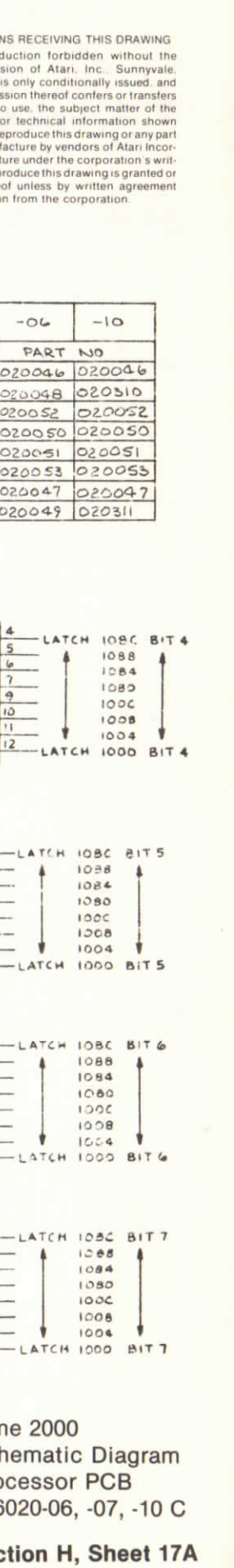
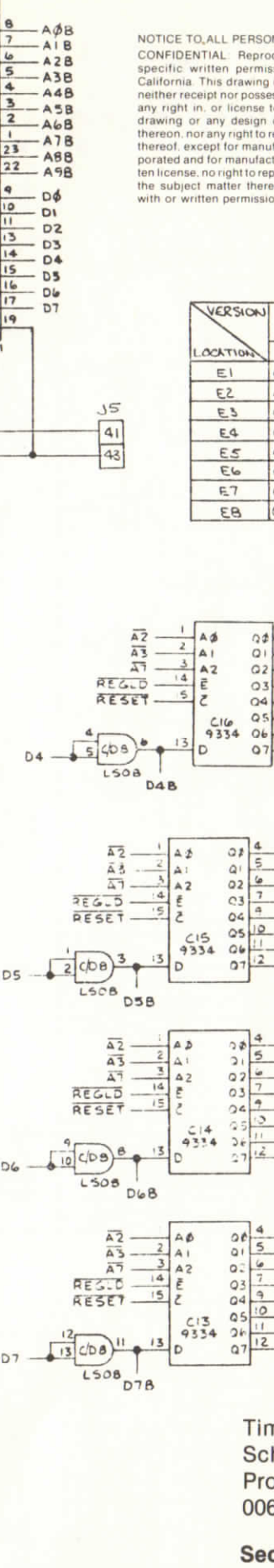
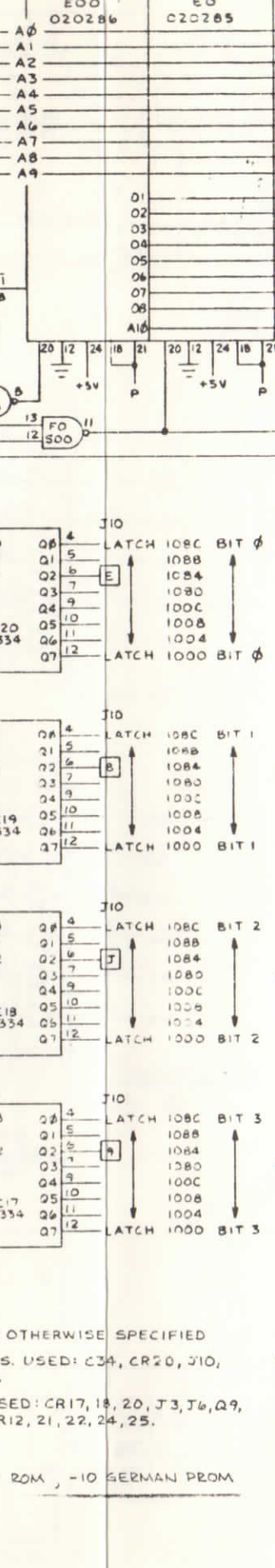
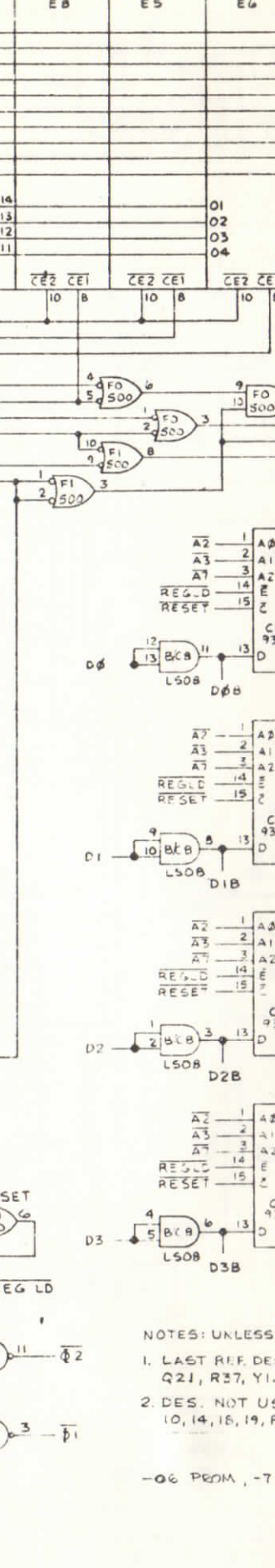
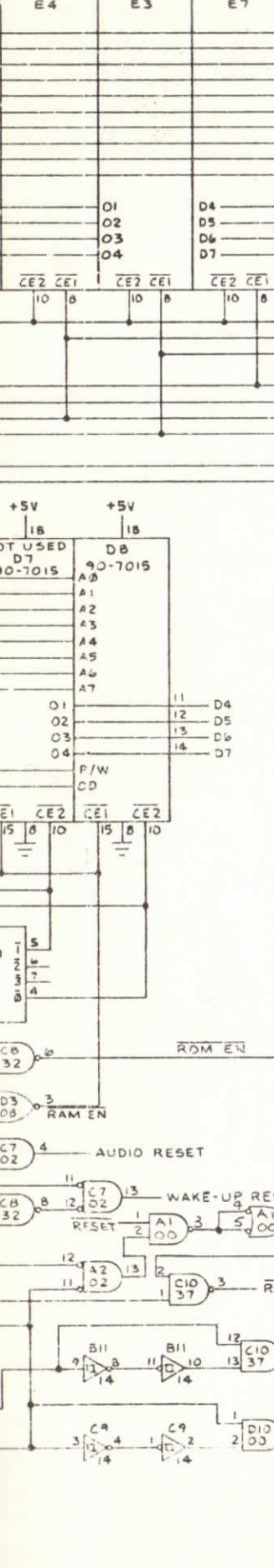
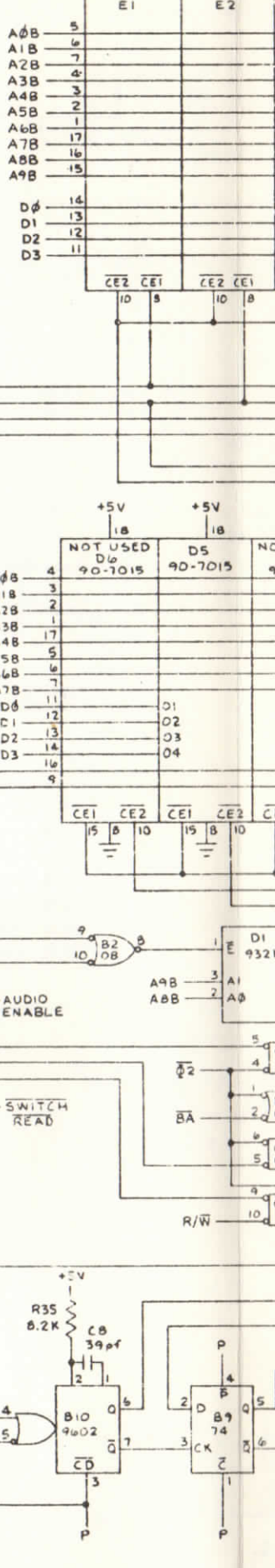
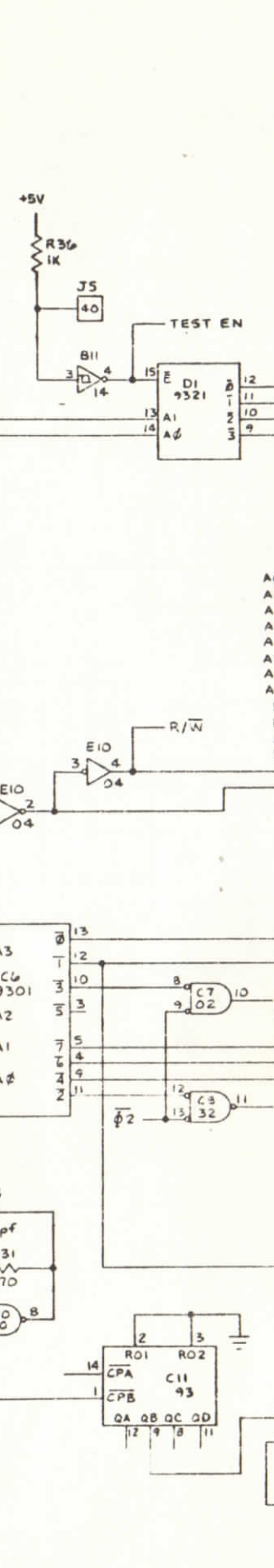
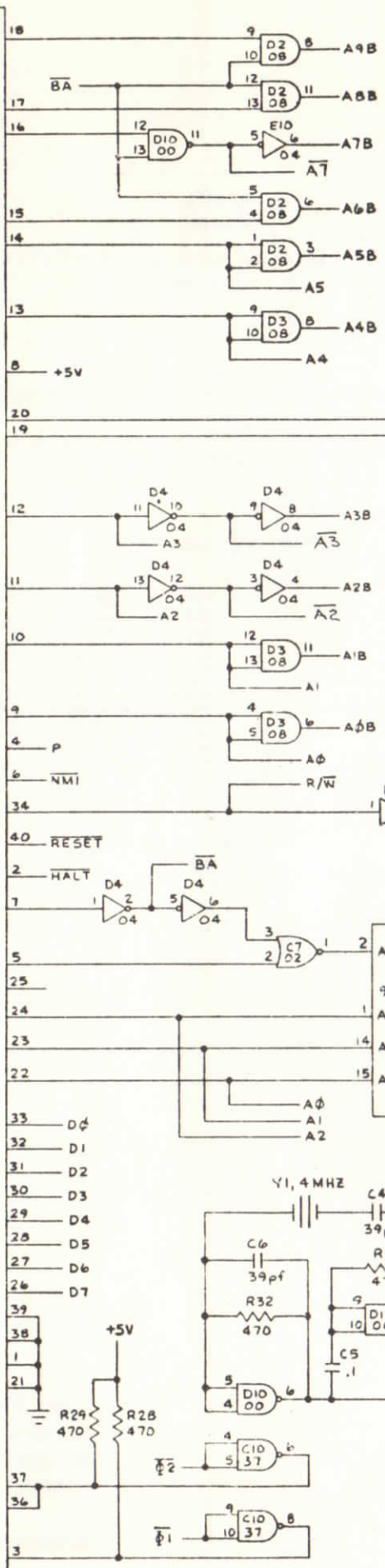
37	B7	SD
----	----	----

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J5

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A9
A8
A7
A6
A5
A4
VCC
A11
A10
A3
A2
A1
Aφ
TRQ
NMI
R/W
RESET
HALT
BA
VMA
A15
A14
A13
A12
Dφ
D1
D2
D3
D4
D5
D6
D7
TSC
GND
GND
φ2
DBE
φ1



-06, -10 VERSION, SEE CHART

-07 VERSION

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VERSION	-06	-10
LOCATION	PART NO	
E1	020046	020046
E2	020048	020310
E3	020052	020052
E4	020050	020050
E5	020051	020051
E6	020053	020053
E7	020047	020047
E8	020049	020311

NOTES: UNLESS OTHERWISE SPECIFIED

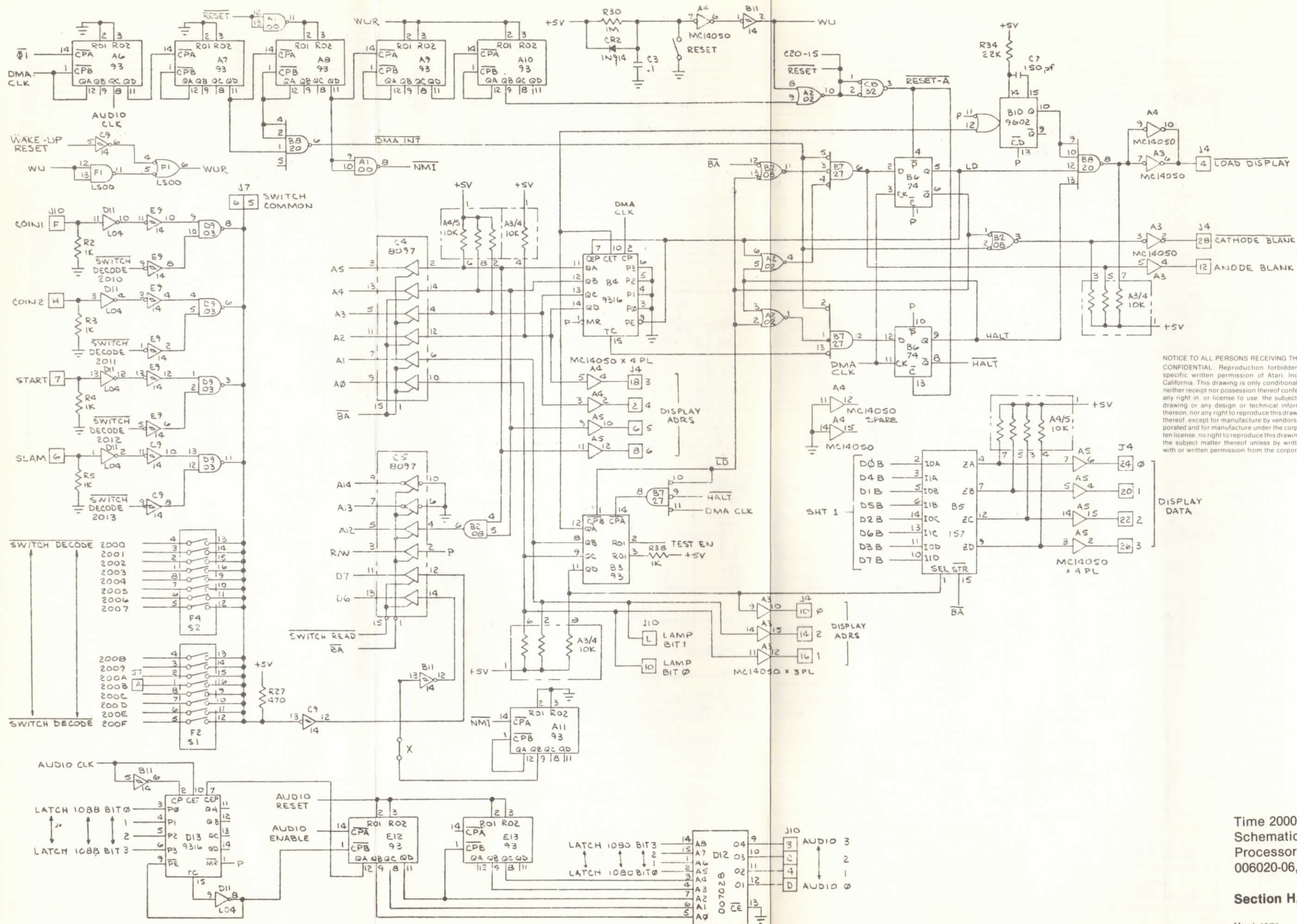
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2. DES. NOT USED: CR17, 18, 20, J3, J6, Q9, 10, 14, 15, 19, R12, 21, 22, 24, 25.

-06 PROM, -7 ROM, -10 GERMAN PROM

Time 2000
Schematic Diagram
Processor PCB
006020-06, -07, -10 C

Section H, Sheet 17A

March 10/78



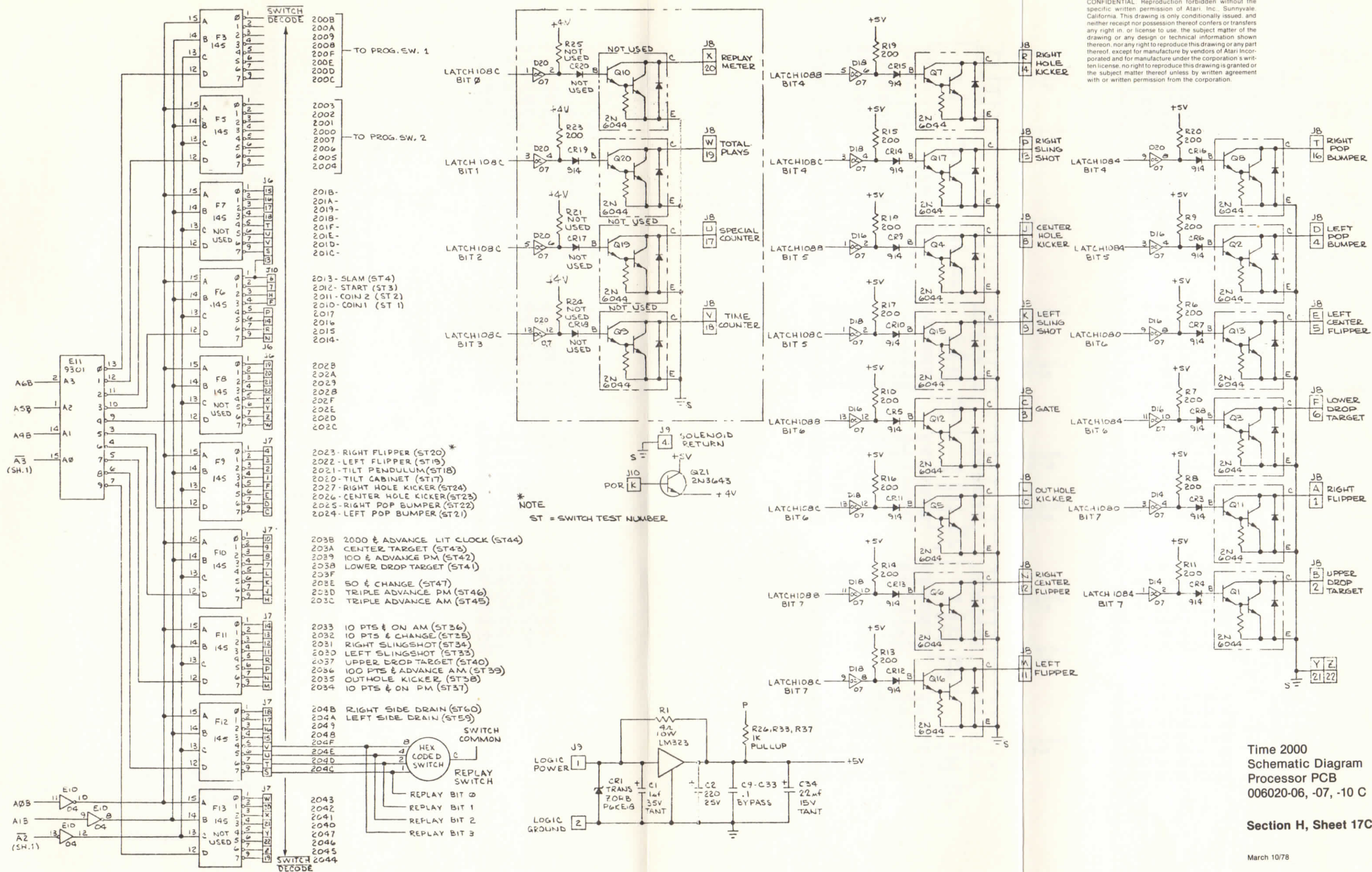
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Time 2000
 Schematic Diagram
 Processor PCB
 006020-06, -07, -10 C

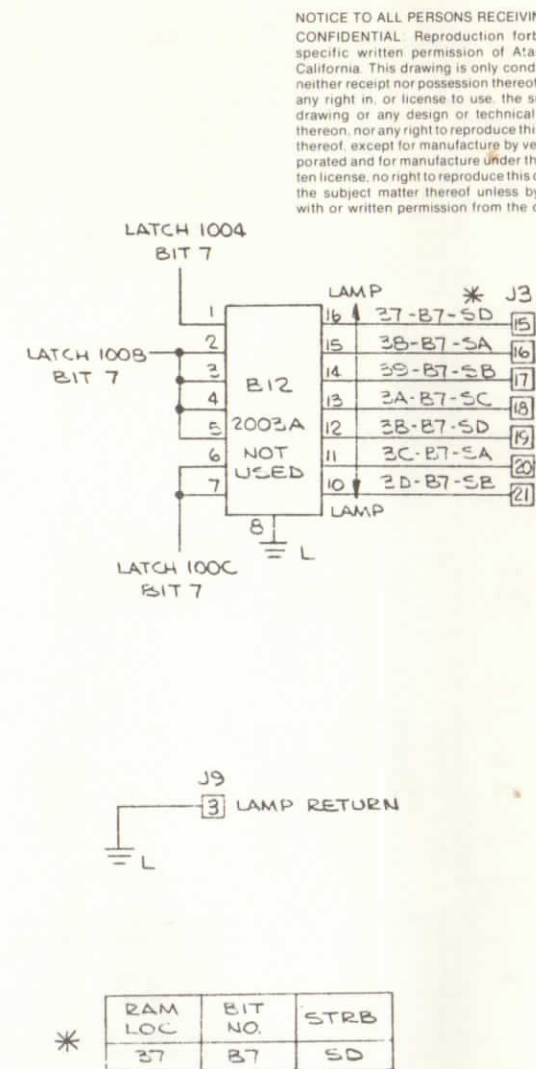
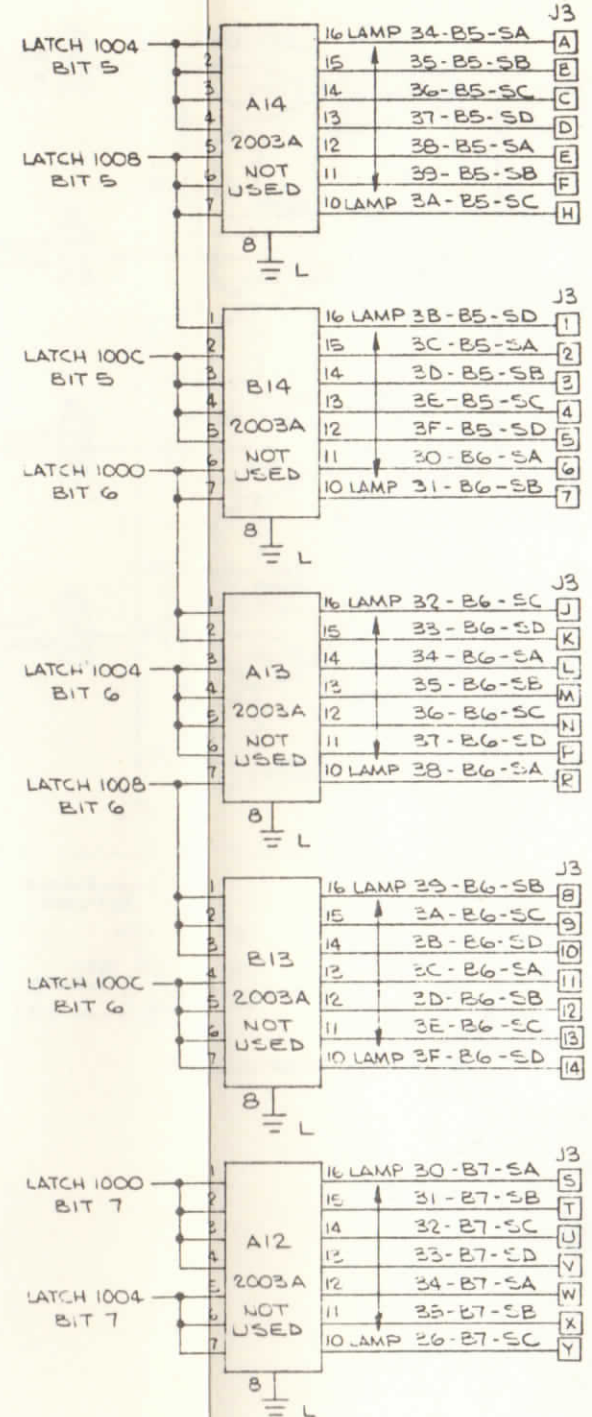
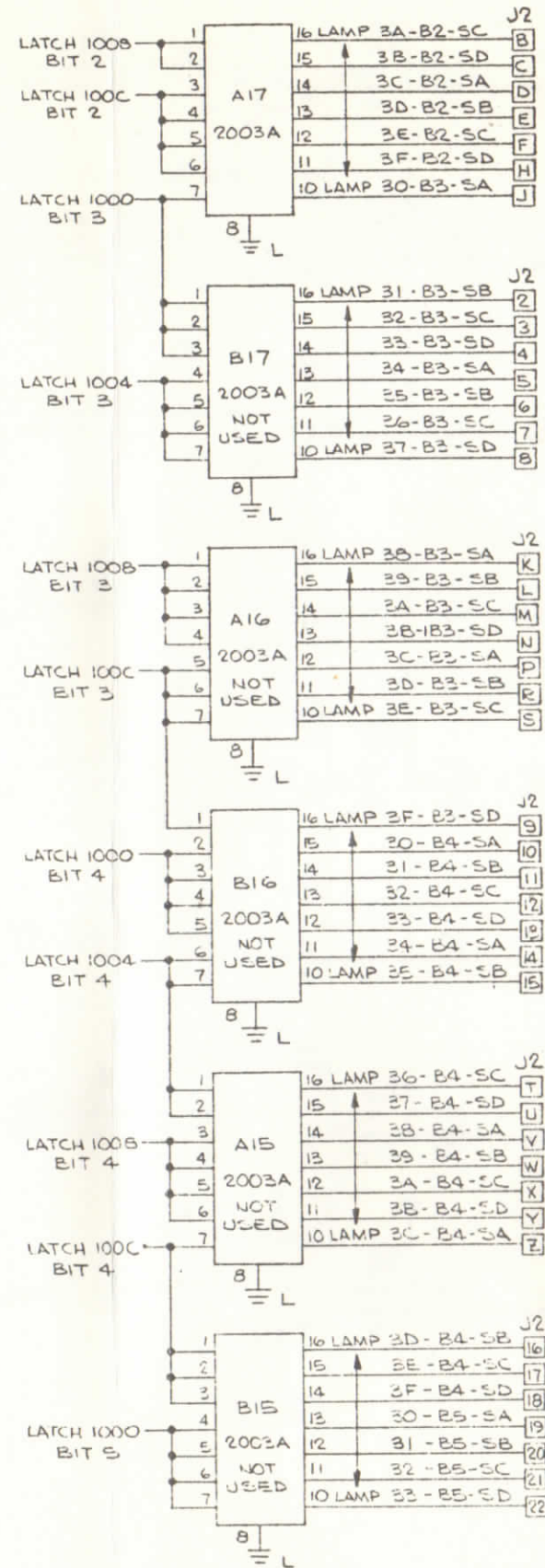
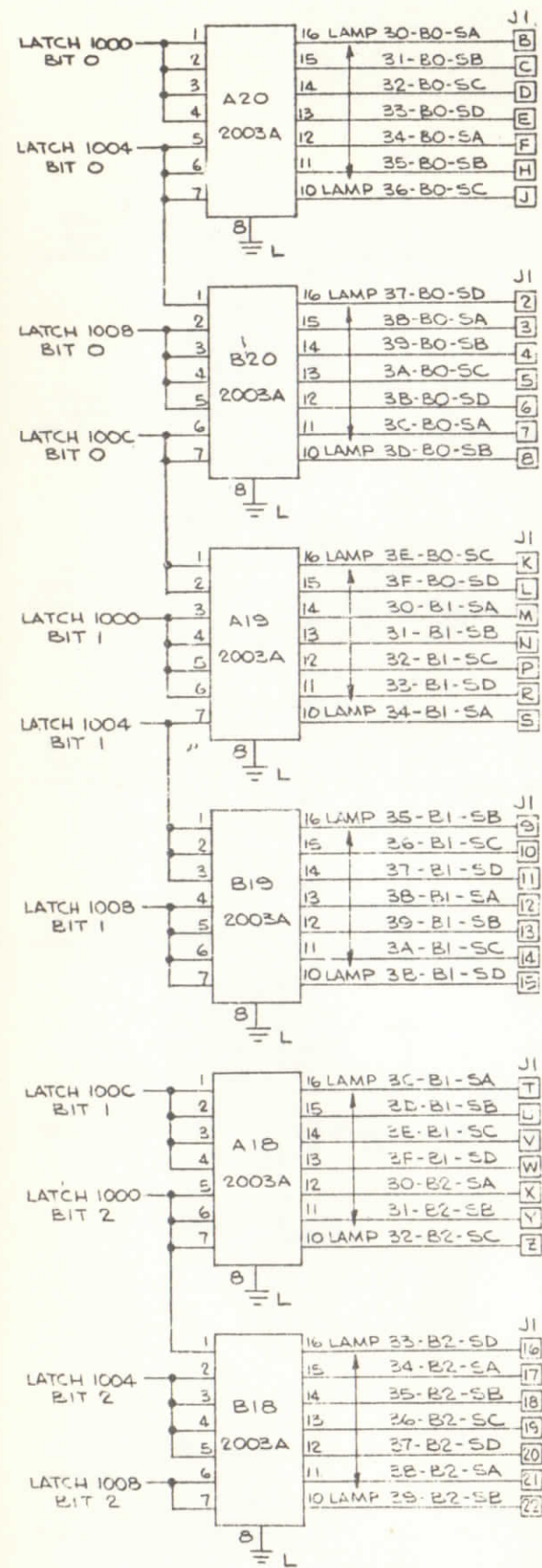
Section H, Sheet 17B

March 10/78

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Time 2000
Schematic Diagram
Processor PCB
006020-06, -07, -10 C



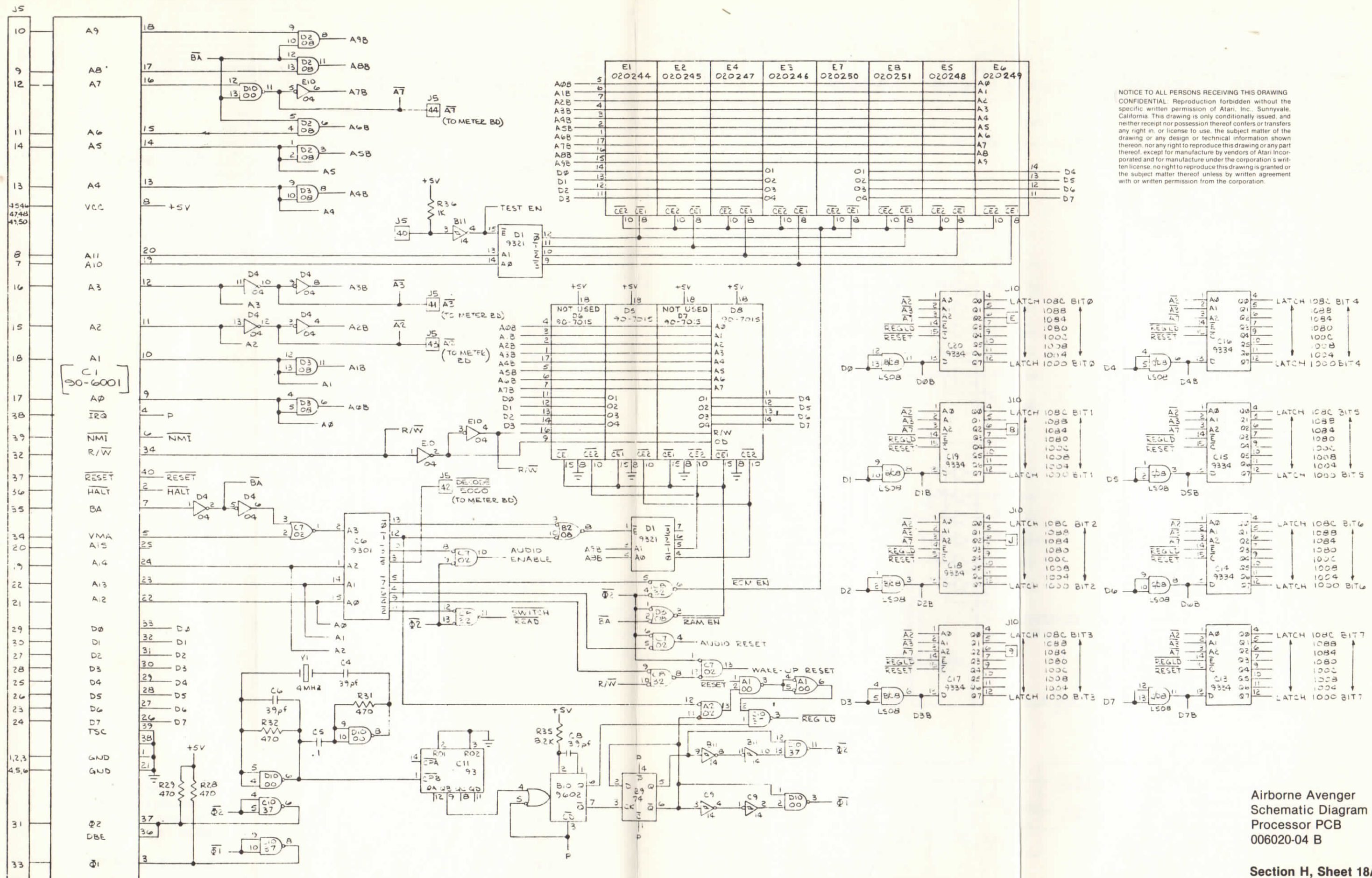
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Time 2000
Schematic Diagram
Processor PCB
006020-06, -07, -10 C

Section H, Sheet 17D

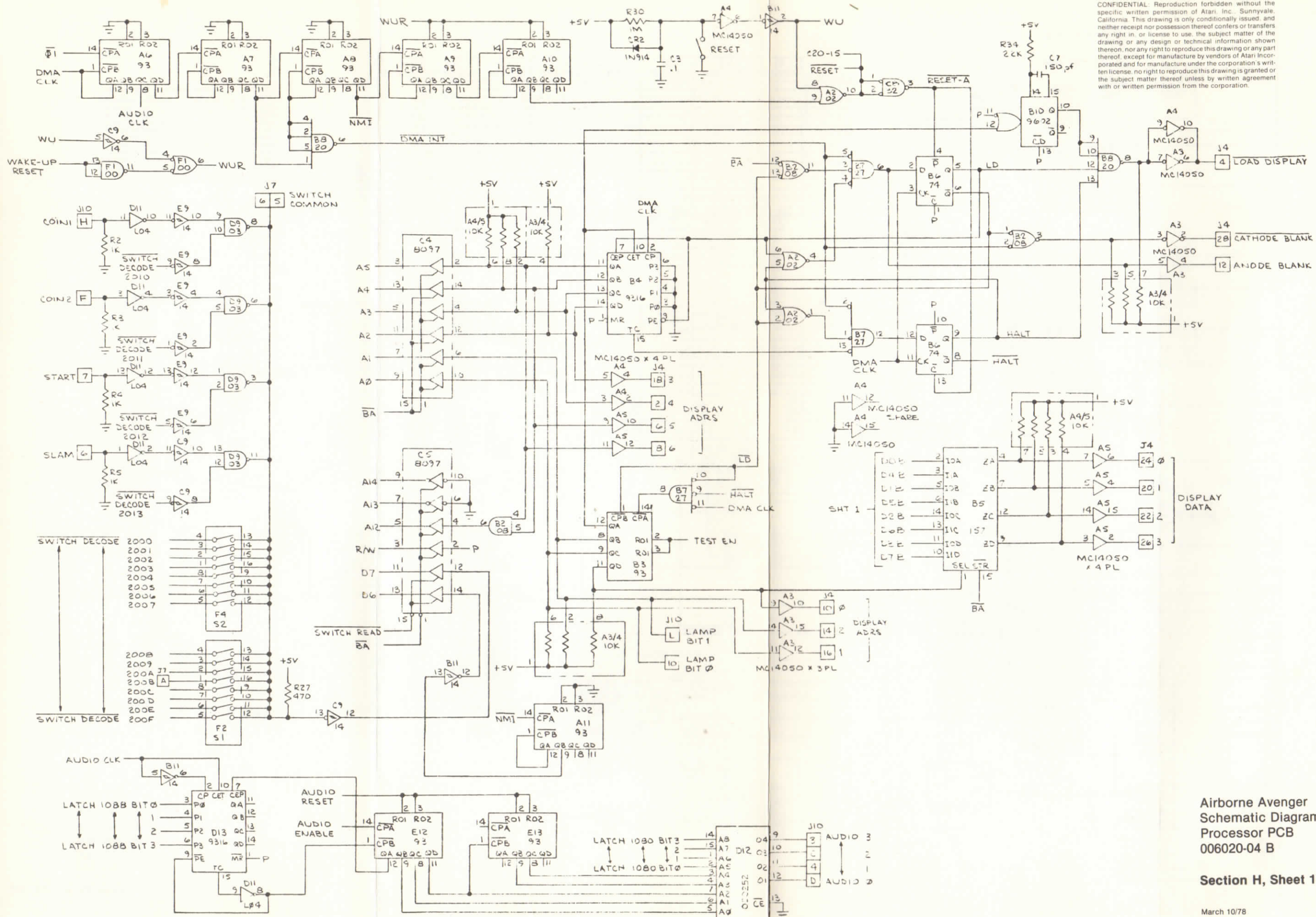
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Airborne Avenger
 Schematic Diagram
 Processor PCB
 006020-04 B

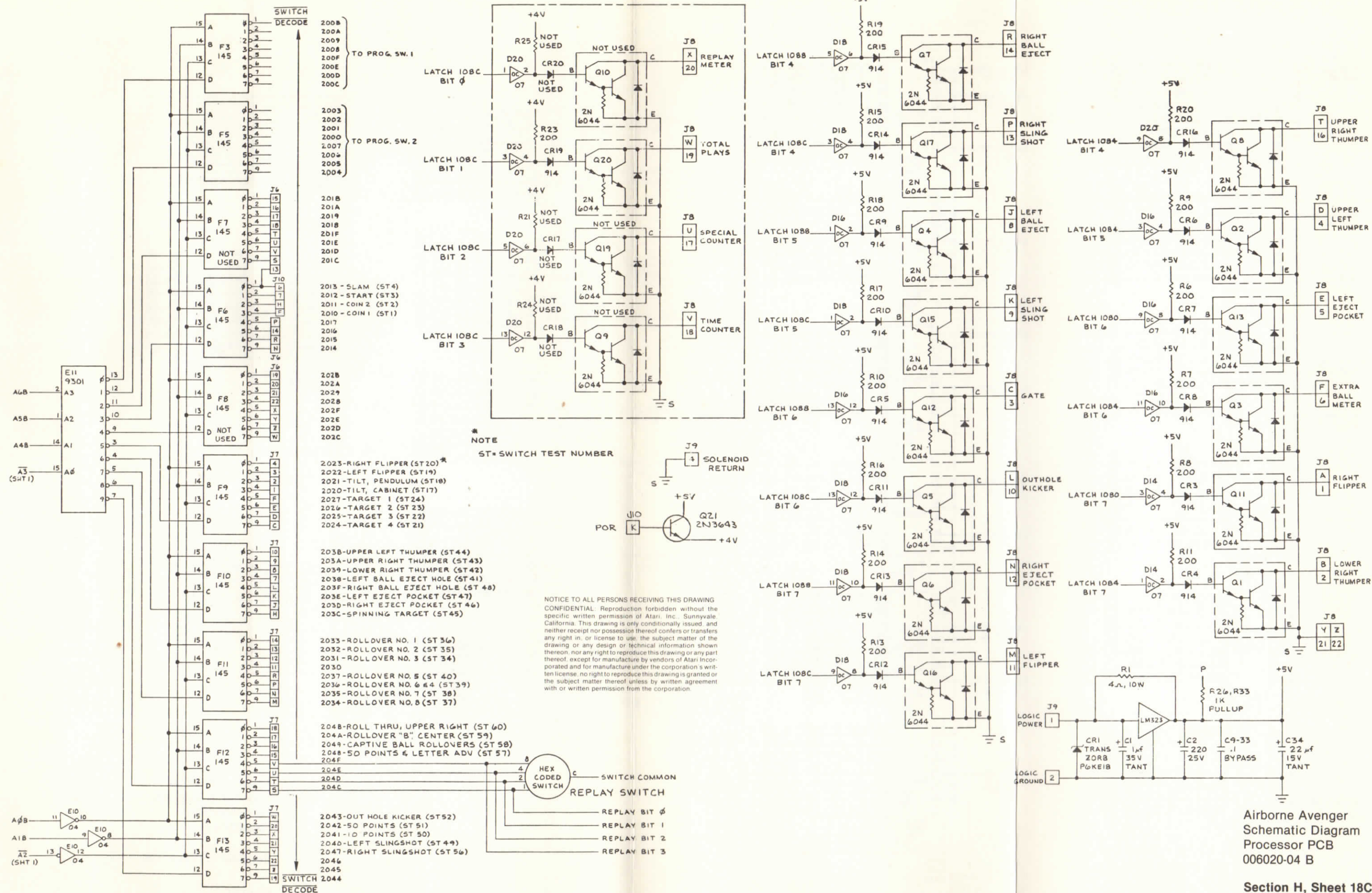
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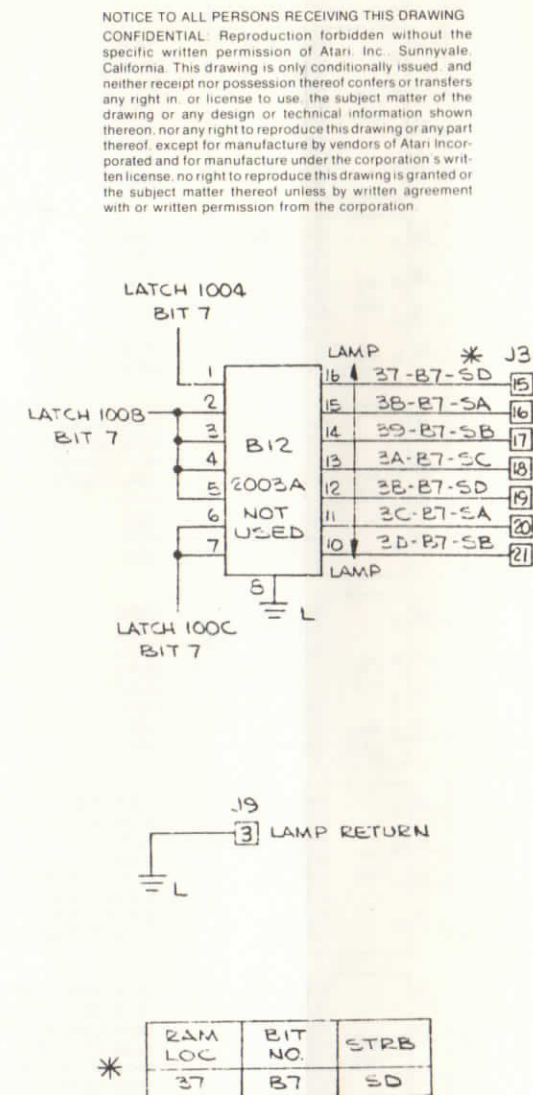
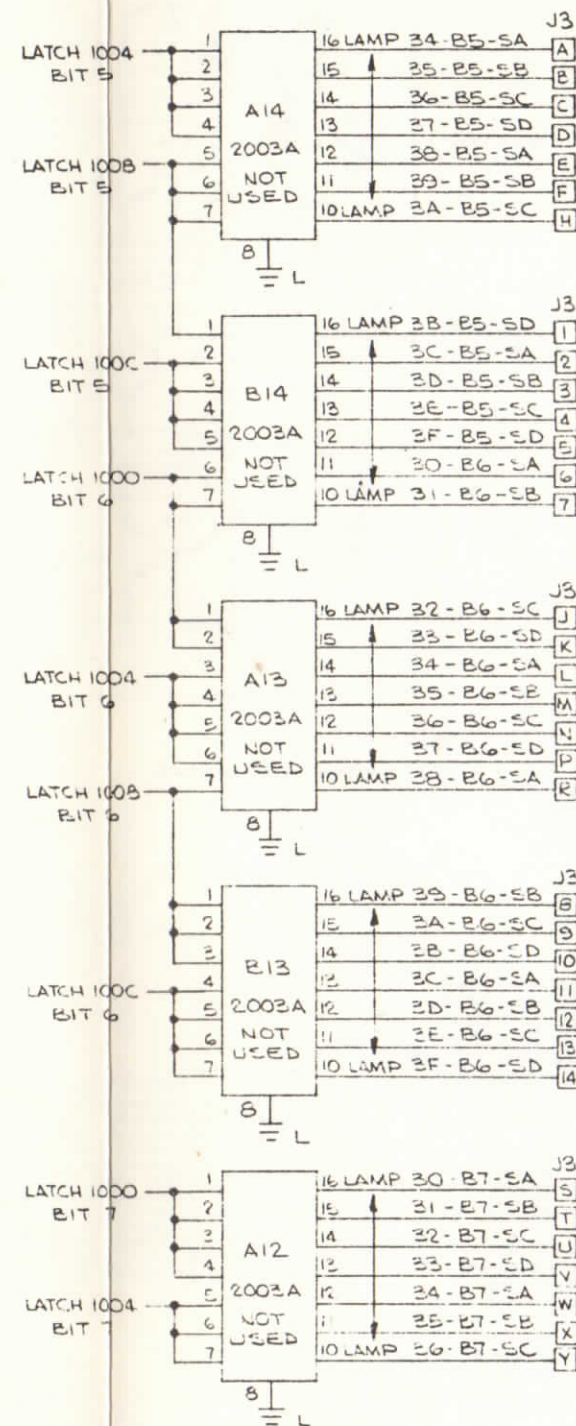
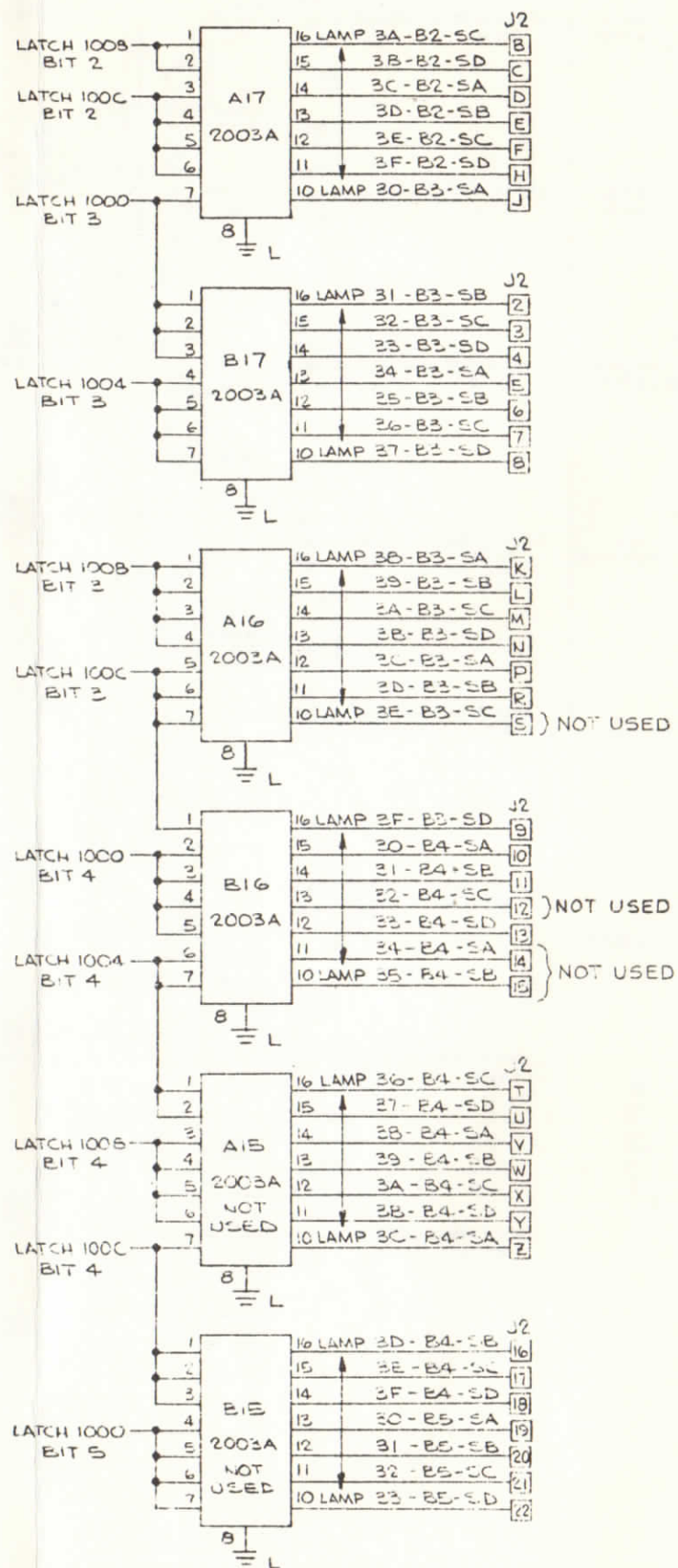
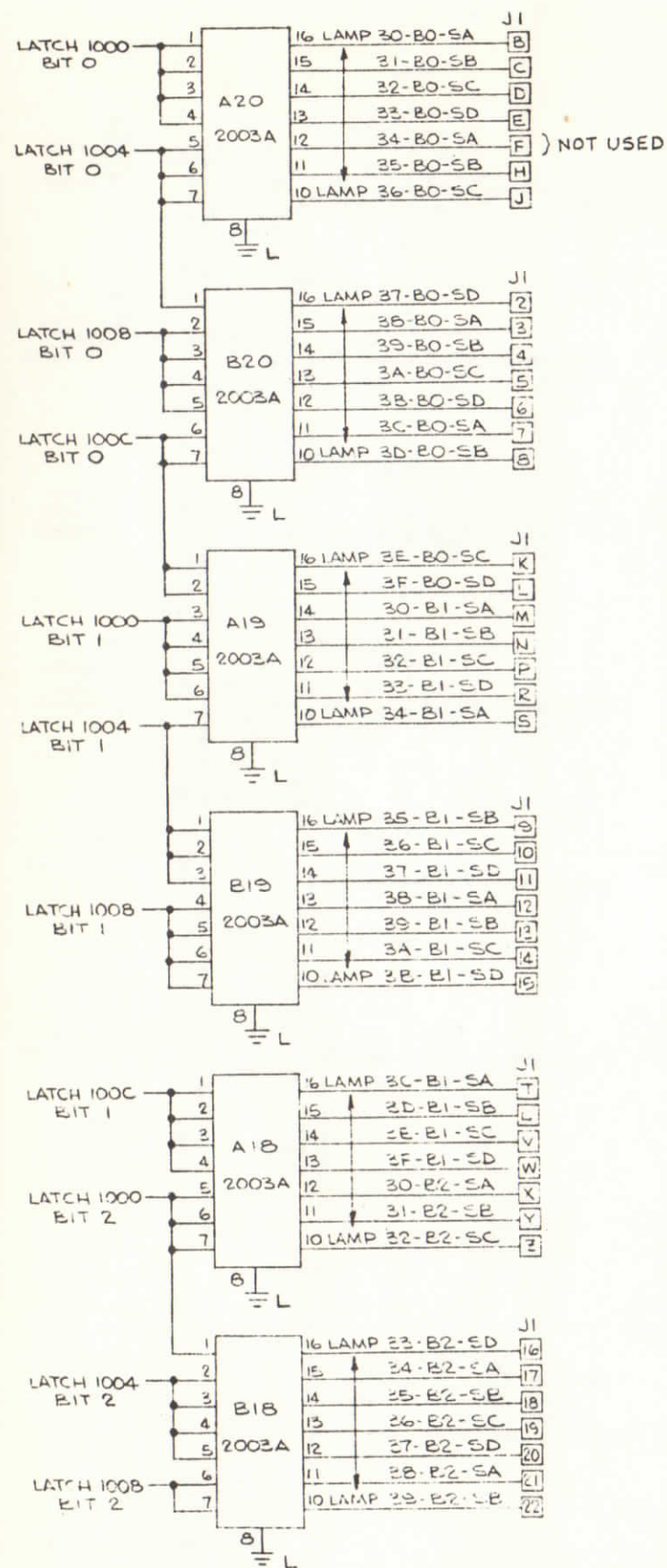
Airborne Avenger
 Schematic Diagram
 Processor PCB
 006020-04 B

Section H, Sheet 18B

March 10/78



Airborne Avenger
Schematic Diagram
Processor PCB
006020-04 B



Airborne Avenger
Schematic Diagram
Processor PCB
006020-04 B

Section H, Sheet 18D

March 10/78

J5

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16

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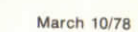
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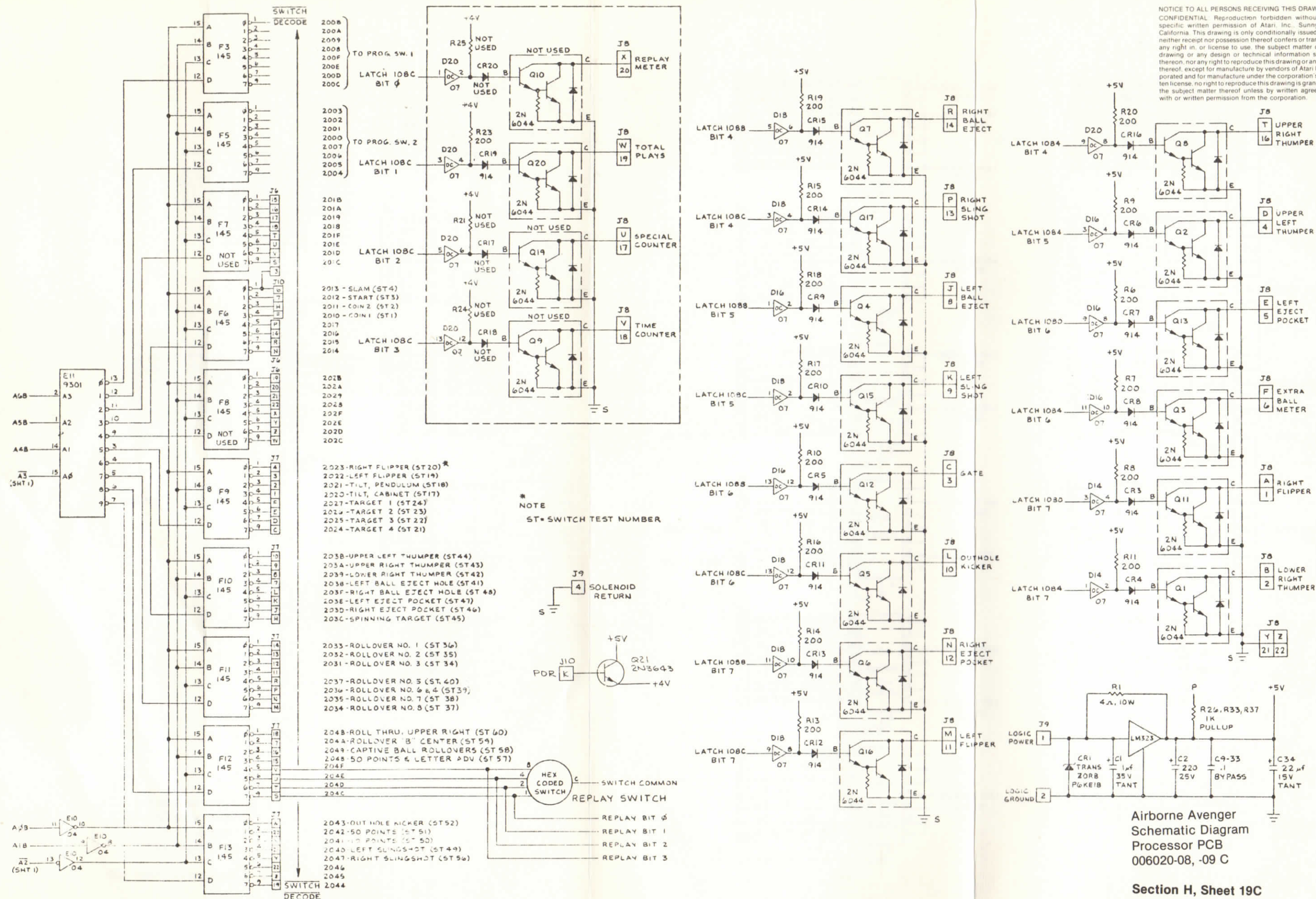
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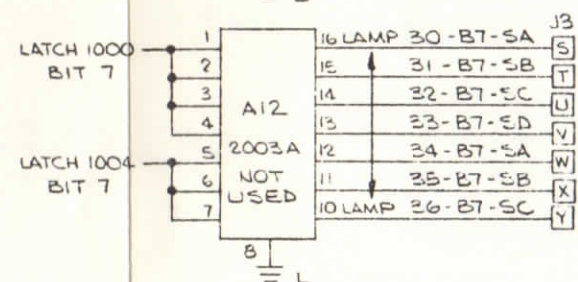
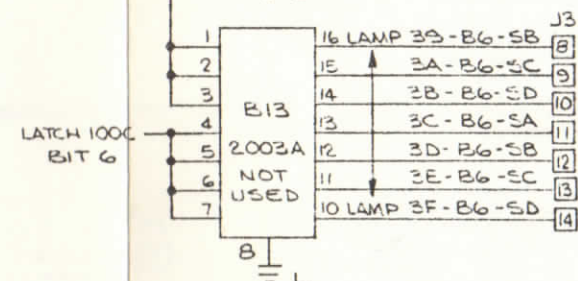
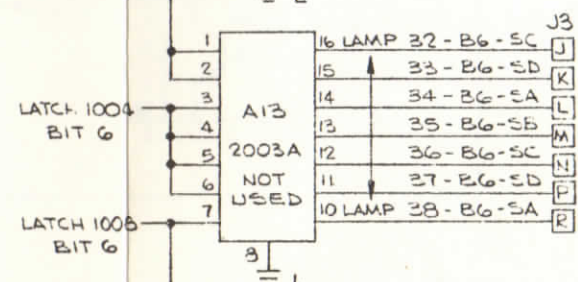
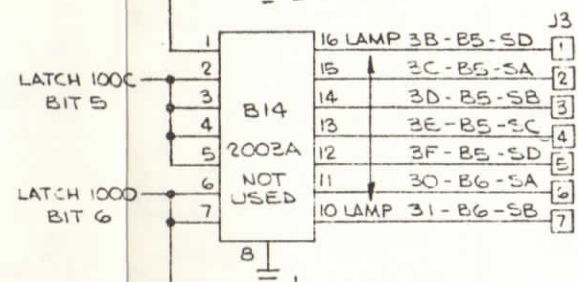
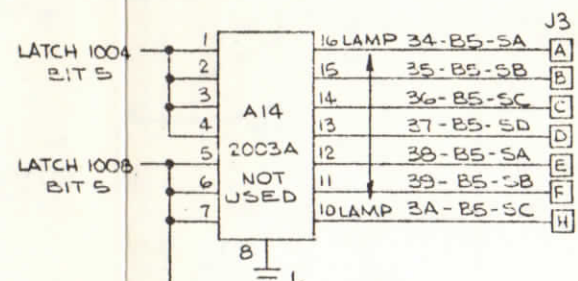
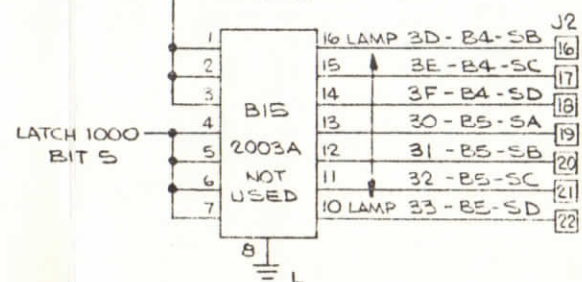
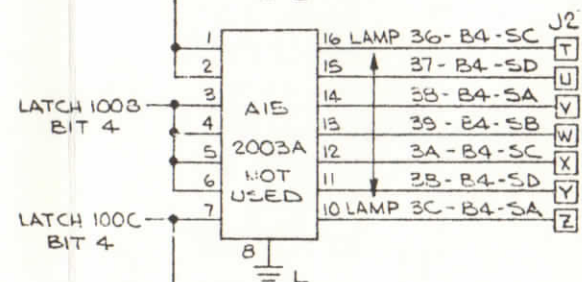
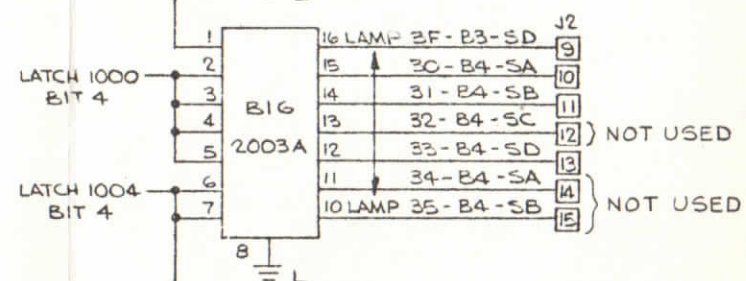
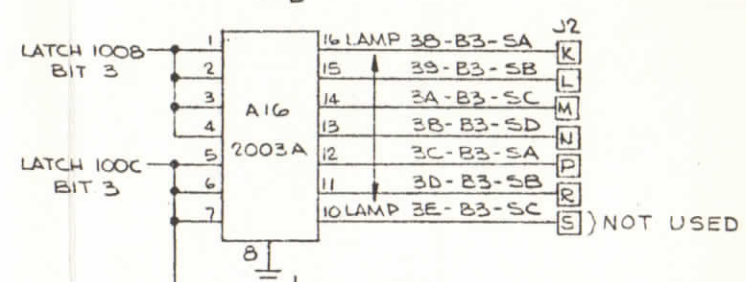
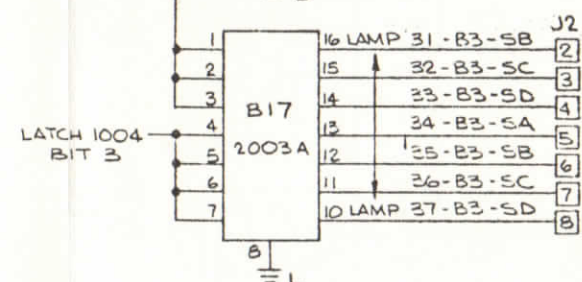
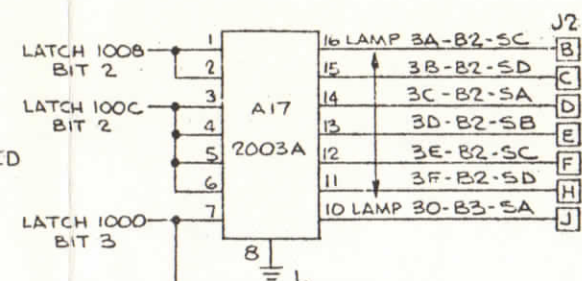
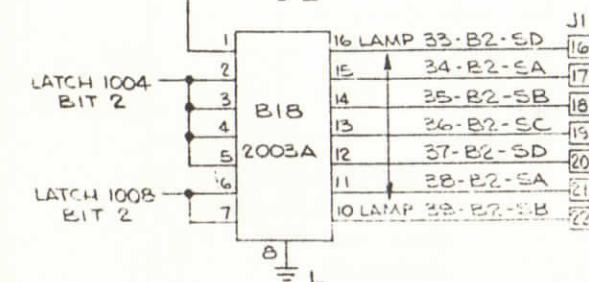
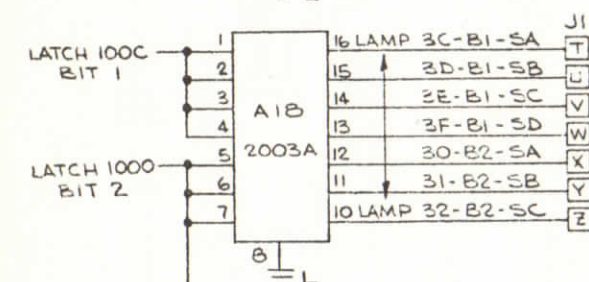
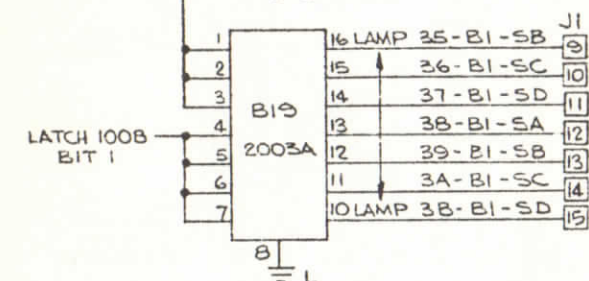
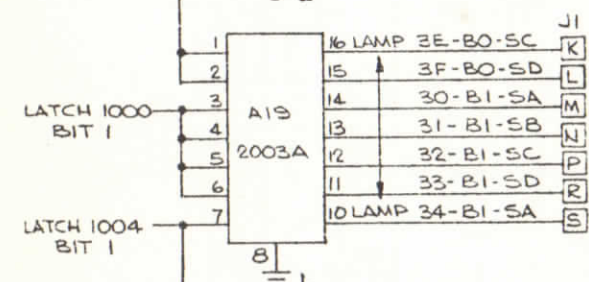
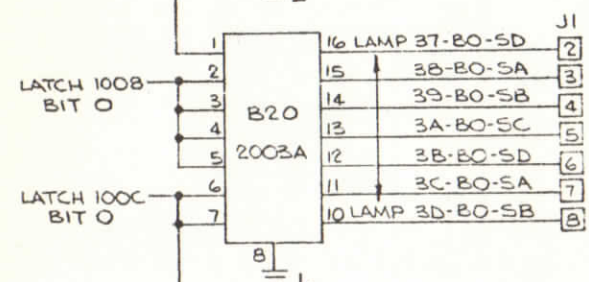
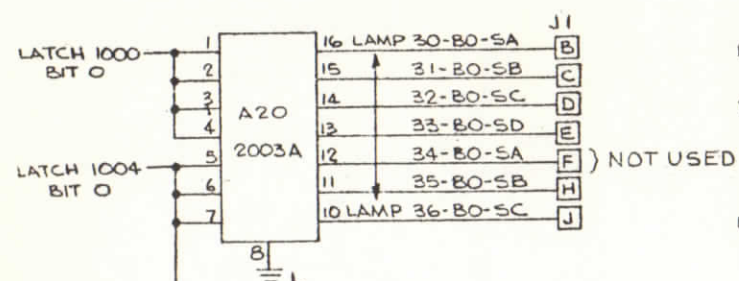
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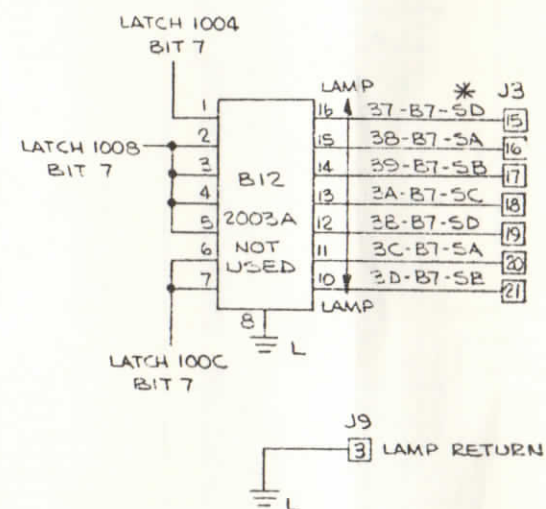
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RAM LOC	BIT NO.	STRB
37	B7	SD

Airborne Avenger
Schematic Diagram
Processor PCB
006020-08, -09 C

Section H, Sheet 19D

March 10/78

SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

Part Number	Price	Part Number	Price	Part Number	Price
004725-01	.28	004867-01	1.28	004972-01	1.78
A004727-01	408.62	004868-01	.10	004978-09	.52
004728-01	.10	A004874-01	2.94	004986-05	.12
004729-01	.10	004875-01	.10	004987-02	.12
A004730-01	1.68	004876-01	.30	004987-04	.12
004731-03	.10	004881	6.12	004987-05	.12
004732-01	.60	004887	1.80	004987-09	.12
004733-01	.10	004889-01	.84	004988-02	.12
004734-01	.10	004890-01	.32	004988-03	.12
004736-01	.10	004891-01	.32	004988-04	.12
004736-02	.10	004893-01	4.52	004988-05	.12
004736-04	.10	004895-01	.10	004988-09	.12
004736-06	.10	004896-01	.20	004996-01	.26
004738	.10	004898-01	2.16	004997-01	.10
004738-01	.10	004899-01	.56	004997-10	.10
004739-01	.10	004902-01	.40	004998-01	.20
004741-01	.10	004903-01	.10	004999-01	5.16
A004742-01	1.04	A004904-01	.10	004999-02	4.52
004744-01	.10	004906-01	.10	004999-03	6.26
A004748-01	59.76	004907-01	.10	004999-04	6.44
004748-02	6.54	004908-01	.12	005006-01	.10
004748-03	6.54	004908-08	.12	005007-01	.10
004748-04	6.54	A004910-10	1.48	005009-02	.10
004748-05	6.54	A004910-02	1.40	005009-03	.10
004748-06	6.54	004921-01	.92	005009-04	.10
004748-08	6.54	A004924-01	127.62	005009-05	.12
004749-09	6.54	A004924-02	189.10	005009-09	.10
004751	17.20	A004925-01	3.04	005009-13	.12
004751-01	17.20	004925-01	16.20	A005013-01	.10
004754-01	.10	A004931-01	19.60	A005019-01	3.00
004756-01	.64	004931	.24	A005019-02	3.00
004760-02	.12	004934-01	.56	A005019-03	2.98
004760-05	.12	004944-01	1.16	A005019-04	2.98
004760-09	.12	004945-01	.76	005020-01	.60
004763-01	.16	004947-01	.72	005021-01	.56
004764-01	.16	004947-03	.16	005022	1.88
004765-01	.72	004947-04	.24	005022-01	1.68
004766-02	.10	004947-05	.26	005022-02	2.28
A004769-01	15.22	004947-06	.28	005022-03	1.76
004770-01	4.02	004951-01	.32	005022-04	2.16

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change without prior notice.

SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
005022-05	1.68	A005940-01	.10	005969-01	.10
005022-06	1.80	005940-02	.10	005974-01	.10
A005024-01	3.28	A005941-01	.10	A005982-01	83.12
A005024-03	3.28	005942-01	.10	A005982-02	83.12
005025-02	.10	005943-01	.10	A005982-03	83.12
005025-03	.12	A005944-01	.10	A005982-04	133.70
005025-04	.12	005944-02	.10	005983-01	14.44
005025-05	.12	005944-03	.10	005984-01	.10
005025-07	.12	005944-04	.10	005985-01	.10
005025-09	.10	A005945-01	173.60	005985-02	.12
005025-13	.10	A005945-02	173.60	005985-09	.10
A005031-01	.10	A005945-03	173.60	005986-02	.12
005045-01	.10	A005945-04	277.72	005986-04	.12
005046-01	.10	005946-01	12.88	005986-09	.10
005046-02	.10	005947-01	.10	A005988-01	1400.28
A005049-01	35.34	005948-01	.10	005989-01	108.68
A005050-01	13.68	A005949-01	24.16	005996-01	.74
A005051-01	16.36	A005950-01	.10	A005997-01	150.82
A005053-01	36.18	005951-01	.10	006000-01	.10
A005054-01	33.70	005952-01	1.40	006001-01	.10
A005055-01	33.70	005954-01	10.04	006002-01	1.06
005056-01	3.92	005954-02	10.04	006003-01	.10
A005058-01	.10	005955-01	1.44	006004-01	.10
A005058-02	.10	A005956-01	17.58	A006006-01	1.34
A005064-01	35.34	005957-01	21.14	A006007-01	2.32
005931-01	.22	A005961-01	105.86	006008-01	.60
005932-01	.16	005961-01	48.30	006008-02	.88
005933-01	.10	005962-01	3.16	006009-01	2.28
005934-01	.10	005962-02	3.60	006010-01	.24
A005935-01	.10	005962-03	3.24	006011-01	.68
A005935-02	.10	005962-04	2.68	006012-01	.64
005935-02	.10	005962-05	1.20	006013-01	.24
005936-01	.10	005962-06	1.68	A006014-04	1.80
A005937-01	.10	005962-07	2.16	006018-01	.10
A005937-02	.10	005963-01	.10	006019-01	.64
005937-03	.10	005964-01	.10	006019-02	.56
005937-04	.10	005965-01	.10	A006020-01	1097.90
A005938-01	.10	005966-01	.10	A006020-02	703.48
005938-02	.10	005967-01	.10	A006020-03	939.14
005939-01	.10	A005968-01	.10	A006020-07	740.30

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SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
A006020-08	1018.98	006066-05	.58	006127-02	.10
A006020-09	734.32	006066-06	.58	006127-04	.10
A006020-11	981.94	006066-12	.58	006127-05	.10
A006020-12	716.20	006066-16	.58	006127-06	.10
A006020-15	701.26	A006067-01	12.64	006127-07	.10
A006024-01	344.50	A006071-01	3.10	006127-08	.12
A006026-01	15.00	A006074-01	16.60	006127-09	.14
A006030-01	3.40	006084-01	32.90	006127-10	.18
A006032-01	294.98	006084-02	25.62	006127-11	.20
A006032-02	294.98	006084-03	10.54	006127-12	.28
A006032-03	294.98	006084-04	19.26	006127-13	.44
A006032-04	294.98	A006085-01	25.06	006127-14	.52
A006032-05	294.98	A006085-02	25.06	006127-15	.88
A006032-06	294.98	A006085-03	25.06	006127-16	1.12
A006032-07	294.98	A006085-04	25.06	A006407-01	276.26
A006032-08	294.98	006087-01	19.08	A006407-02	276.26
006036-01	.50	A006094-01	1.24	006700-01	.48
A006037-01	6.12	A006096-01	97.06	006701-01	.60
A006037-02	6.12	006097-01	.12	006702-01	.10
A006039-01	50.58	006101-01	.16	006703-01	.10
A006039-02	50.58	006101-09	.16	A006704	.24
006040-01	.36	006101-10	.16	A006704-01	.24
006040-02	.32	006102-01	.40	006705-01	.10
006040-04	.32	006103-01	20.98	A006706-01	.10
006040-09	.32	006106-01	.24	A006707-01	.10
006045-01	.22	006107-01	.16	A006708	.40
A006047-01	14.52	006108-01	.96	006709-01	.10
006048-01	57.84	006109-01	2.60	A006712-01	.10
A006049-01	13.34	006111-01	.10	006712-02	.10
006052-01	15.60	A006112-01	7.40	006713-01	.64
A006054-01	29.38	006113-01	.10	A006714-01	1861.88
A006056-01	21.58	006114-01	.28	A006715-01	429.92
006059-01	.10	006115-01	1.28	006719-01	1.02
A006060-01	4.72	A006116-01	.52	006725-01	.10
006061-01	.10	006117-01	.24	A006728-01	67.72
006063-01	.10	A006119-01	2.10	A006728-02	67.72
006064-01	.20	006120-01	1.14	A006728-03	67.72
006065-01	.22	006122-01	.64	A006728-04	67.72
006066-02	.58	006123-01	2.66	A006728-05	67.72
006066-04	.58	006127-01	.10	006730-01	.10

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SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
006731-01	22.00	006769-09	.16	A006986-02	249.22
006731-03	19.26	006770-02	.16	A006986-03	252.76
006732-01	.10	006770-04	.16	006990-01	31.52
A006733-01	23.66	006770-05	.16	006990-02	31.52
A006734-01	13.04	006770-09	.16	006991-01	31.52
006736-01	.92	006772-01	6.84	006991-02	31.52
A006737-01	5.64	006772-02	4.52	006992-01	31.52
A006738-01	25.46	006780-01	.28	006992-02	31.52
A006739-01	2.56	006781-01	.36	006993-01	31.52
A006740-01	6.64	006782-01	.10	006993-02	31.52
A006741-01	13.86	006783-01	.10	006994-01	31.52
A006742-01	13.86	006783-02	.10	006994-02	31.52
A006743-01	356.20	006783-03	.10	006995-01	31.52
006748-01	10.68	A006784-01	2.04	006995-02	31.52
006749-01	7.70	A006785-01	.64	006996-01	31.52
006750-01	14.60	A006785-02	.64	006996-02	31.52
006751-01	23.18	006786-01	.10	006997-01	31.52
006752-01	3.92	006786-02	.10	006997-02	31.52
006753-01	10.40	006786-03	.10	006999-01	8.08
006754-01	5.80	006787-01	.10	A007000-01	23.80
006755-01	3.48	006788-01	.10	007001-01	.50
006755-02	3.48	006789-01	.10	007002-01	3.98
A006756-01	3.20	006790-01	.88	007003-01	3.74
A006758-01	2.46	006791-01	.10	007004-01	12.42
006760-01	1.52	006791-02	.12	007005-01	.80
A006761-01	.10	006792-01	.12	007006-01	.30
006761-02	.10	006792-02	.12	007007-01	.54
006762-01	.14	006792-04	.12	007008-01	1.60
006763-01	4.20	006792-05	.12	A007009-01	4.16
006764-01	2.62	006792-09	.12	A007010-01	5.60
006766-01	1.44	A006794-01	251.96	007012-01	.10
006767-01	.12	A006794-02	251.96	007013-01	.10
006767-02	.12	A006794-03	251.96	007014-01	.28
006767-03	.12	A006794-04	251.96	007015	.10
006767-04	.12	A006794-05	251.96	007015-01	.10
006767-05	.12	A006794-06	251.96	007016	.92
006767-09	.12	A006794-07	251.96	007016-01	.80
006769-02	.16	006984	4.00	A007017-01	1.68
006769-04	.16	006985-01	.10	A007018-01	1.68
006769-05	.16	A006986-01	249.22	A007019-01	1.68

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SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
A007020-01	1.68	007040-25	.10	007055-01	4.88
A007021-01	4.90	007040-26	.10	007056-01	.16
A007021-02	5.42	007040-27	.10	007058-01	.84
A007021-04	5.00	007040-28	.10	007059-01	.10
007024-01	.10	007040-29	.10	007059-02	.22
007025-01	.10	007040-30	.10	007060-01	1.04
007025-02	.14	007040-31	.10	007061-01	4.20
007026-01	.32	007040-32	.10	A007066-01	189.88
007028-01	16.52	007040-33	.10	007067-01	.10
007028-02	16.52	007040-34	.10	007067-02	.10
A007030-01	4.10	007040-35	.10	007067-03	.10
A007031-01	10.20	007040-36	.10	007067-04	.10
007032-01	.10	007040-37	.10	007067-05	.10
A007033-01	9.80	007040-38	.10	007067-06	.10
007034-01	.64	007040-39	.10	007067-07	.10
A007039-01	28.94	007040-40	.10	A007079-04	3.92
007040-01	.10	007040-41	.10	007096-01	.28
007040-02	.10	007040-42	.10	A007335-01	8.20
007040-03	.10	007040-43	.10	007807-01	.68
007040-04	.10	007040-44	.10	007808-01	.10
007040-05	.10	007040-45	.10	007809-01	.10
007040-06	.10	007040-46	.10	A007810-01	12.32
007040-07	.10	A007042-01	.10	007812-01	.84
007040-08	.10	A007042-02	.10	A007813-01	3.68
007040-09	.10	007043-01	7.12	A007813-02	7.28
007040-10	.10	A007044-01	25.98	007830-01	.20
007040-11	.10	A007046-01	14.40	007830-02	.20
007040-12	.10	A007046-02	1.88	007831-01	4.56
007040-13	.10	007047-01	7.60	007832-01	.16
007040-14	.10	007048-02	.12	A007833-01	8.26
007040-15	.10	007048-04	.12	007836-01	6.20
007040-16	.10	007048-05	.12	007838-01	.10
007040-17	.10	007048-07	.12	007838-02	.10
007040-18	.10	007048-09	.12	A007840-01	.10
007040-19	.10	007050	.24	A007840-02	.10
007040-20	.10	007050-01	.24	007844-01	.10
007040-21	.10	007051-01	4.72	A007845-01	78.58
007040-22	.10	007052-01	3.96	A007846-01	6.28
007040-23	.10	007053-01	3.32	007847-01	2.18
007040-24	.10	007054-01	3.96	007847-02	1.58

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SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

Part Number	Price	Part Number	Price	Part Number	Price
A007848-01	41.96	007884-07	1.02	A020034-01	4.60
007849-01	.40	007884-08	1.32	020036-01	.28
A007852-01	1119.78	007884-09	.72	020039-01	.10
A007854-01	.10	007884-10	3.10	020040-01	.12
A007855-01	106.82	007884-11	.72	020040-30	.12
A007856-01	151.78	007884-12	.40	020041-01	.18
007859-01	1.44	007886-01	.10	020041-02	.18
007859-02	1.60	007888-01	4.30	020041-04	.18
007864-01	.10	007892-01	.10	020041-06	.18
A007865-01	188.12	A007894-01	3.60	020041-11	.18
A007866-01	34.62	007895-01	.68	020043-01	3.00
A007867-01	11.58	A008928-01	18.22	A020045-01	2.20
A007868-01	24.30	008929-01	5.12	A020045-02	2.20
A007870-01	195.52	A020002-01	260.46	020046-01	31.52
007871-01	3.24	A020005-01	278.00	020046-02	31.52
007871-02	4.88	A020006-01	161.74	020047-01	31.52
007871-03	3.00	020007-01	4.44	020047-02	31.52
007871-04	3.92	A020009-01	114.76	020048-01	31.52
007871-05	3.68	020010-01	2.20	020048-02	31.52
007871-06	4.48	020010-02	2.20	020049-01	31.52
007871-07	5.50	020010-03	2.98	020049-02	31.52
007871-08	5.50	020010-04	2.84	020050-01	31.52
007872-01	14.98	020010-05	5.52	020050-02	31.52
007873-01	3.36	020010-06	2.84	020051-01	31.52
007873-02	3.18	020010-07	2.52	020051-02	31.52
A007874-01	29.98	020010-08	3.18	020052-01	31.52
007876-01	.10	020010-09	4.44	020052-02	31.52
A007877-01	4.04	020010-10	3.54	020053-01	31.52
007878-01	3.04	020018-01	1.40	020053-02	31.52
007879-01	1.42	020019-01	1.42	A020054-01	231.00
007880-01	2.84	A020021-01	21.64	020057-01	2.52
007881-01	3.92	A020022-01	20.08	020058-01	1.68
007881-02	5.50	A020023-01	27.44	020058-02	1.68
007882-01	2.06	A020025-01	1.68	020061-01	.94
007884-01	1.32	A020025-02	1.68	020061-02	1.26
007884-02	1.56	A020025-03	1.48	020062-01	.54
007884-03	.70	A020025-04	1.68	020063-01	.28
007884-04	1.32	020026-01	5.08	020064-01	.18
007884-05	4.10	A020027-01	15.26	020065-01	.52
007884-06	1.02	A020032-01	29.26	020066-01	6.02

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SUGGESTED RETAIL PRICE LIST

Arranged in Numerical Order

<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
020067-01	1.82	020141-05	.12	020186-02	.20
A020068-01	1.50	020141-09	.12	020186-12	.20
020070-01	1.72	020142-01	.10	020186-13	.20
020075-01	3.64	020152-01	.18	A020192-01	.36
020078-01	5.68	020154-01	31.52	A020192-02	.44
A020079-01	16.00	020155-01	31.52	A020192-03	.28
A020080-01	.98	020156-01	31.52	A020192-04	.36
A020082-01	6.70	020157-01	31.52	A020192-05	.76
020083-01	1.92	020158-01	31.52	A020192-06	.68
020085-01	1.76	020159-01	31.52	A020192-07	.50
A020088-01	2.24	020160-01	31.52	A020192-08	.70
A020095-01	1.64	020161-01	31.52	A020192-09	.66
A020098-01	2.48	020162-01	.44	A020192-10	.74
0200105-01	.50	020162-02	.38	A020192-11	.38
A020106-01	12.50	020162-03	.32	A020192-12	.32
A020107-01	5.98	A020162-04	3.50	A020192-13	.32
020108-01	1.86	A020164-01	584.60	A020192-14	.60
020109-01	3.04	A020165-01	240.20	A020192-15	.38
020110-01	.78	A020166-01	130.20	A020192-16	.84
020111-01	.10	A020167-01	62.82	A020192-17	.70
020112-01	.10	020170-01	21.46	A020192-18	.42
020113-01	.10	020171-01	21.86	A020192-19	.46
A020115-01	3.50	020172-01	21.86	A020192-22	.52
020116-01	.24	020173-01	21.86	A020192-23	.24
020117-01	.40	020174-01	21.86	A020192-24	.52
020118-01	3.82	020175-01	21.86	A020192-25	.24
020119-01	4.20	020176-01	21.86	A020192-26	.56
020120-01	4.20	020177-01	21.86	A020195-01	24.16
020120-02	4.20	020178-01	8.92	020200-01	6.80
020121-01	.10	020179-01	4.80	020206-02	.38
A020122-01	5.44	020179-02	4.80	020211-01	.84
A020124-01	15.46	020181-01	.42	A020212-01	6.24
A020126-01	4.48	020182-01	.36	020213-01	.74
A020127-01	3.00	A020183-01	4.06	020213-02	.10
020128-01	1.42	A020184-01	4.90	020217-01	.20
A020139-01	1.68	020185-01	.20	020217-02	.20
020140-01	7.16	020185-02	.20	020217-12	.20
020140-02	6.72	020185-12	.20	A020218-01	3.30
020141-02	.12	020185-13	.20	020229-01	8.58
020141-04	.12	020186-01	.20	020229-02	.36

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<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
020229-03	8.58	020264-04	.10	020293-15	.10
020229-04	3.92	020264-05	.10	020293-16	.10
020229-05	.36	020264-06	.10	020293-17	.10
020229-06	.78	020264-07	.10	020293-18	.10
020229-07	1.40	020264-08	.10	020293-19	.10
020229-08	2.10	020265-01	.52	020293-20	.10
020229-09	5.26	A020267-01	6.28	020293-21	.10
020229-10	1.80	A020268-01	7.08	020293-22	.10
A020230-01	237.66	A020268-02	7.08	020293-23	.10
A020230-02	252.42	00269-01	.10	020293-24	.10
020231-09	.10	020282-01	50.62	020293-25	.10
020232-01	.10	020284-01	3.50	020293-26	.10
A020235-01	14.10	020285-01	39.02	020293-27	.10
020239-01	.10	020286-01	39.02	020293-28	.10
020242-01	.10	020287-01	39.02	020293-29	.10
020244-02	39.38	020288-01	39.02	020293-30	.10
020245-02	39.38	A020290-01	.16	020294-01	.10
020246-02	39.38	020291-01	.24	020294-02	.10
020247-02	39.38	020291-02	.24	020294-03	.10
020248-02	39.38	020291-03	.24	020294-04	.10
020249-02	39.38	020291-04	.24	020294-05	.10
020250-02	39.38	020291-05	.24	020294-06	.10
020251-02	39.38	020291-06	.24	020294-07	.10
020252-01	24.38	020291-07	.24	020294-08	.10
A020253-01	7.00	020291-08	.24	020294-09	.10
020254-01	.58	020292-01	.10	020294-10	.10
020254-09	.66	020293-01	.10	020295-01	.48
A020255-01	6.44	020293-02	.10	020301-01	7.00
020258-01	6.50	020293-03	.10	A020302-02	5.42
A020261-01	44.36	020293-04	.10	020304-01	1.02
A020262-01	44.36	020293-05	.10	020304-02	1.02
020263-01	.10	020293-06	.10	020306-01	2.02
020263-02	.10	020293-07	.10	020307-01	.10
020263-03	.10	020293-08	.10	020308-01	2.74
020263-04	.10	020293-09	.10	020309-01	2.74
020263-05	.10	020293-10	.10	020310-01	31.52
020263-06	.10	020293-11	.10	020311-01	31.52
020264-01	.10	020293-12	.10	020312-01	.28
020264-02	.10	020293-13	.10	A020313-01	.70
020264-03	.10	020293-14	.10	020316-01	.70

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<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>	<i>Part Number</i>	<i>Price</i>
A020317-01	11.22	020389-03	3.04	020439-02	3.26
A020320-01	.54	020389-04	3.04	020440-01	.74
A020320-02	.52	020390-01	.98	020440-02	.74
020321-01	1.64	020391-01	1.78	020441-01	.14
020324-01	.26	020391-02	1.78	020442-01	4.94
020325-01	.30	020392-01	.10	020443-01	.26
020325-02	.30	020392-02	.10	020444-01	.30
020326-01	1.14	020392-03	.10	020445-01	2.44
020328-01	.96	020392-04	.10	020446-01	4.20
020331-01	.20	020392-05	.10	020447-01	.42
020333-01	2.72	020392-06	.10	020449-01	38.40
020334-01	2.72	020392-07	.10	020467-01	22.98
020335-01	2.72	020392-12	.10	A020468-01	1.58
020336-01	.10	020392-14	.10	A020472-01	2.14
020357-01	52.96	020392-15	.10	020482-02	.20
020358-02	.16	020392-16	.10	020483-01	.14
020358-09	.16	A020398-01	30.26	020484-01	.80
020359-02	.16	020399-01	.20	020488-01	.18
020359-09	.16	A020401-01	1.06	020489-01	.18
020364-01	.16	020402-01	1.40	020524-01	.20
020368-01	102.70	020402-02	1.40	020578-01	.34
A020370-01	2.48	A020404-01	13.94	020579-01	.34
020374-01	.42	A020404-02	13.94	020580-01	.34
A020375-01	3.50	020405-02	.72	A020606-01	17.22
A020376-01	7.36	020406-01	.98	10-5101	.10
020377-01	2.66	020406-02	.98	10-5102	.10
020377-02	2.66	020407-01	1.42	10-5104	.10
020377-03	2.66	020408-01	1.36	10-5122	.10
020377-04	2.66	020412-01	.30	10-5152	.10
020377-05	2.66	020413-01	.30	10-5155	.10
020378-01	.96	A020417-01	21.50	10-5182	.10
020379-01	.50	A020418-01	36.30	10-5183	.10
020381-01	5.98	A020429-01	8.18	10-52P7	.10
A020383-01	30.48	A020429-02	8.18	10-5201	.10
A020383-04	167.82	020434-01	.20	10-5204	.10
020384-01	9.28	020435-01	2.18	10-5221	.10
020385-01	.54	020436-01	2.04	10-5224	.10
020386-01	6.50	A020438-01	.82	10-5331	.10
020389-01	3.04	A020438-02	.82	10-5333	.10
020389-02	3.04	020439-01	3.26	10-5394	.10

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Part Number	Price	Part Number	Price	Part Number	Price
10-5564	.10	33-2N5883	7.18	72-1404S	.20
10-5683	.10	33-2N6420	3.44	72-1408C	.20
10-5822	.10	34-2N3583	2.28	72-1408S	.20
11-5153	.10	34-2N3643	.26	72-1410S	.20
11-5220	.10	34-2N6282	6.66	72-1416S	.20
11-5391	.10	37-LM380	1.58	72-1604S	.20
12-5103	.28	37-MC14028	1.50	72-1605S	.20
12-5153	.24	37-MC1413	2.10	72-1606S	.20
13-5390	.40	37-MC14511	2.14	72-1608S	.20
13-5682	.40	37-MC14556	1.12	72-1616	.20
16-5752	1.58	37-MPQ7091	4.56	72-1620	.20
19-008	1.48	37-UDN6184A	6.24	72-1620S	.20
19-10100007	1.40	37-4016	.66	72-5440X	.20
19-311502	.56	37-7402	.38	72-6404	.20
19-8C5W1P0	5.60	37-7407	.58	72-6406S	.20
24-101106	.42	37-741	.70	72-6408	.20
24-151506	1.36	37-584-8	5.60	72-6606S	.20
24-250106	.16	37-585-6	4.20	72-6608C	.20
24-250477	.72	37-585-9	5.60	73-3001	.20
24-250478	1.88	41-2008	8.92	73-3002	.20
24-350105	2.00	43-4004	5.24	73-3006	.20
24-500105	.24	43-71600121	1.60	73-3007	.20
27-101104	.60	46-2010502	.52	73-3015	.20
27-250103	.18	46-2017002	.52	73-3019	.20
27-250104	.22	46-2032002	.16	74-A00001	.28
28-101101	.20	46-305152	.48	74-5608N	.20
29-057	9.24	70-11-47	.24	74-5616N	.20
29-058	15.64	70-1617P5	.84	75-010S	.20
31-1N4001	.10	71-2117	1.96	75-014S	.20
31-1N4005	.22	72-HA4408	.20	75-016S	.20
31-1N914	.10	72-HA4408C	.20	75-040	.20
32-P6KE30	2.56	72-HA4604	.20	75-040C	.20
32-1N4744	.60	72-HA4804	.20	75-046	.20
32-1N4751	.30	72-HB4408C	.20	75-054	.20
32-1N4763A	.36	72-P938N	.20	75-054S	.20
32-1N5230	.26	72-S604	.20	75-056	.20
32-1N5235	.26	72-046	.20	75-056S	.20
32-1N5242B	.26	72-046C	.20	75-057	.20
32-1N5335	1.22	72-1006S	.20	75-058	.20
33-2N3644	.32	72-1112S	.20	75-0720	.20

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75-07031	.20	75-940S	.20	79-07416V	.10
75-07036	.20	75-946	.20	79-13505	.32
75-07038	.20	75-991024	.20	79-20123	.10
75-0739	.20	78-0A01	.42	79-3204	2.90
75-09012T	.20	78-06002	1.42	79-41001	2.28
75-09015	.20	78-06012	2.98	79-58084	.56
75-5116N	.20	78-16011	.20	79-58117	.50
75-914C	.20	78-2654	.10	79-58119	11.26
75-916C	.20	78-3001026	.36		
75-916S	.20			79-58123	.74
		78-3201	.48	79-58124	.54
75-919C	.20	78-70503SC	.58	79-58134	.36
				81-4201	.10

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