

SECTION 6

PARTS LIST

6.1 INTRODUCTION

The purpose of this parts list, prepared by Wulfsberg Electronics, Inc., is for identification, requisition and issuance of parts for the C-722/C-722A/C-962/C-962A. Part numbers listed in this parts list meet critical equipment design specification requirements. Use only the part number specified in the parts list for replacement of parts.

6.2 EXPLANATION OF PARTS LIST

6.2.1 DETAILED PARTS LIST

- (1) **CKT SYMBOL:** This column contains all electrical/electronic components used in the C-722/C-722A/C-962/C-962A with their component designators listed in alphanumeric sequence.
- (2) **DESCRIPTION:** This column lists the part description and tolerances where applicable.
- (3) **WULFSBERG PART NUMBER:** This column contains the Wulfsberg Electronics, Inc. part numbers. The WEI part numbering system consists of ten digits as follows: three digit family number, four digit serial number, and a three digit dash number.
- (4) **ASSY QTY:** The quantity of that part used in the particular assembly is listed in this column. Unless otherwise specified, a distinct entity item is listed as EA (each).
- (5) **VENDOR CODE:** The part manufacturer's Federal Supply Code is listed in this column for standard industry parts. The WEI Federal Supply Code (54001) is indicated on all special items.
- (6) **VENDOR PART NUMBER:** The manufacturer's part number is listed in this column for standard industry parts. For parts that show the WEI (54001) vendor code, this column will be left blank.

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.2 HOW TO USE THIS PARTS LIST

- (1) See Section 5 for module assembly numbers and module locator drawing.
- (2) Determine the component or components in question from the proper schematic.
- (3) Observe the proper reference designator for the component from the schematic.
- (4) Turn to the Parts List and locate the reference designator found in steps 2 and 3.

C-722/C-722A/C-962/C-962A/C-962S

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.3 MANUFACTURER'S CODE, NAME, AND ADDRESS

CODE	MANUFACTURER
00779	Amp., Inc. 449 Eisenhower Boulevard Harrisburg, PA 17105
01121	Allen-Bradley Company Electronics Group 1201 South 2nd Street Milwaukee, WI 53204
01295	Texas Instruments, Inc. Semiconductor Group P. O. Box 225012 Dallas, TX 75265
02735	RCA Corporation Solid State Division Route 202 Somerville, NJ 08876
03508	General Electric Company Semiconductor Products West Genesee Street Auburn, NY 13021
03911	Clairex Electronics 560 South Third Avenue Mount Vernon, NY 10550
04713	Motorola Semiconductor Group 5005 East McDowell Road Phoenix, AZ 85008
06915	Richco Plastic Company 5825 North Tripp Avenue Chicago, IL 60646
07263	Fairchild Semiconductor A Schlumberger Company 33 Healdsburg Avenue Healdsburg, CA 95448

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.3 MANUFACTURER'S CODE, NAME, AND ADDRESS (cont.)

CODE	MANUFACTURER
08530	Reliance Mica Company, Inc. 341 - 39th Street Brooklyn, NY 11232
09353	C and K Components, Inc. 15 Riverdale Avenue Newton, MA 02158
11402	Hisonic, Inc. 249 North Troost Olathe, KS 66061
12697	Clarostat Manufacturing Company, Inc. 1 Washington Street Dover, NH 03820
14936	General Instruments Corporation Discrete Semiconductor Division 600 West John Street Hicksville, Long Island, NY 11802
22526	DuPont Connector Systems 30 Hunter Lane Camp Hill, PA 17011
24226	Gowanda Electronics Corporation 1 Industrial Place Gowanda, NY 14070
25088	Siemens Corporation Special Products Division 186 Wood Avenue South Iselin, NJ 08830
27014	National Semiconductor Corporation Semiconductor Division 2900 Semiconductor Drive Santa Clara, CA 95050
27735	F-Dyne Electronics 449 Howard Avenue Bridgeport, CT 06605

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.3 MANUFACTURER'S CODE, NAME, AND ADDRESS (cont.)

CODE	MANUFACTURER
31019	Solid State Scientific 3900 Welsh Road Willow Grove, PA 19090
31223	Micro Plastics, Inc. Connector Division 9180 Gazette Avenue Chatsworth, CA 91311
31433	Union Carbide Corporation/Kemet Capacitors Highway 276 Southeast Greenville, SC 29606
33498	Automation Circuits, Inc. 1 Short Avenue Peckville, PA 18452
50012	Motorola, Inc. Communications Group 1301 East Algonquin Road Schaumburg, IL 60196
50434	Hewlett-Packard Company Optoelectronics Division 640 Page Mill Road Palo Alto, CA 94304
50522	Monsanto Company Electronic Special Products 755 Page Mill Road Palo Alto, CA 94304
54001	Wulfsberg Electronics, Inc. unit of Sundstrand Corporation 11300 West 89th Street Overland Park, KS 66214-1799
58712	USECO Division Litton Systems, Inc. 13536 Saticoy Street Van Nuys, CA 91409

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.3 MANUFACTURER'S CODE, NAME, AND ADDRESS (cont.)

CODE	MANUFACTURER
70318	Allmetal Screw Products Company, Inc. 821 Stewart Avenue Garden City, NY 11530
71450	CTS Corporation 905 North West Boulevard Elkhart, IN 46514
71468	ITT Cannon 10550 Talbert Avenue Fountain Valley, CA 92708
71590	Centralab Electronics (Capacitors) A North American Philips Company 7158 Merchant Avenue El Paso, TX 79915
72128	Electrical Windings, Inc. 2015 North Kolmar Avenue Chicago, IL 60639
74868	Amphenol Products An Allied Company 2122 York Road Oak Brook, IL 60521
75915	Littlefuse, Inc. Subsidiary of Tracor, Inc. 800 East Northwest Highway Des Plaines, IL 60016
78189	Shakeproof Division Illinois Tool Works, Inc. Saint Charles Road Elgin, IL 60120
81483	International Rectifier Corporation Semiconductor Division 233 Kansas Street El Segundo, CA 90245

6.2 EXPLANATION OF PARTS LIST (cont.)

6.2.3 MANUFACTURER'S CODE, NAME, AND ADDRESS (cont.)

CODE	MANUFACTURER
82104	Standard Grigsby, Inc. Division of Sun Chemical Corporation 920 Rathbone Avenue Aurora, IL 60507
86928	Seastrom Manufacturing Company, Inc. 701 Sonora Avenue Glendale, CA 91201
90201	Mallory Capacitor Company Mallory Component Group 3029 East Washington Street Indianapolis, IN 46201
91418	Radio Materials Corporation (RMC) Division of P.R. Mallory and Company, Inc. 4242 West Bryn Mawr Chicago, IL 60646
91506	Augat, Inc. 33 Perry Avenue Attleboro, MA 02703
91637	Dale Electronics, Inc. (Film Resistors) Norfolk Division 2300 Riverside Boulevard Norfolk, NE 68701
95146	Alcoswitch Division Alco Electronic Products, Inc. 1551 Osgood Street North Andover, MA 01845
98291	Sealectro Corporation 225 Hoyt Street Mamaroneck, NY 10543

6.3 PARTS LIST

6.3.1 C-722 CONTROL UNIT (A1)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A1	C-722 REV.G	400-0084-000	01	54001	
DS1	LED, YELLOW	136-0022-000	03	50522	MV5353
DS2	LED, YELLOW	136-0022-000	03	50522	MV5353
DS3	LED, GREEN	136-0021-000	01	50522	MV5253
DS4	LED, YELLOW	136-0022-000	03	50522	MV5353
J1 THROUGH J6	NOT USED				
J7	PLUG, 22S WIRE MTG, 2 ROW	129-2067-022	02	22526	65043-026
J8	PLUG, 22S WIRE MTG, 2 ROW	129-2067-022	02	22526	65043-026
J9	PLUG, 22S WIRE MTG, 0.125 CL	129-2066-022	01	22526	65302-015
J10 THROUGH J16					
	PLUG, 11S WIRE MTG, 0.1 CL	129-2065-011	07	22526	65039-026
R1/S2	RESISTOR, ADJ 50K W/SWITCH	233-0041-001	01	12697	381NS-50K-Z
R2	RESISTOR, ADJ 50K OHM	233-0041-000	01	12697	381N-50K-Z
S1	PUSHBUTTON, SPDT	130-0058-000	01	09353	8121-ZBLACK(2)
S2	SEE R1				
S3	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S4 THROUGH S10					
	C-722 THUMBWHEEL ASSY	300-1034-001	01	54001	
S11	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S12	ROTARY SW, BINARY	130-0055-000	01	82104	1261SMP/REL-16-1
S13	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S14	TOGGLE SW, 1P3POS	130-0056-000	01	09353	7105 SYZQ
	LG SPRING LATCH	129-1010-000	02	71468	D110279
	SM SPRING LATCH	129-1011-000	02	71468	D110277
	JACK, 90 DEG PC MTG	129-2062-000	07	22526	65521-136
	CRIMP SOCKET	129-2068-000	91	22526	47745

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.1 C-722 CONTROL UNIT (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	MOUNT, LED	136-3002-000	01	50434	HP5082-440
	C-920 VOLUME KNOB	146-0359-001	02	54001	
	C-962 FRONT PANEL	146-0391-002	01	54001	
	C-962 FRAME	146-0403-003	01	54001	
	C-962 CHAN SEL KNOB	146-0445-001	01	54001	
	C-962 BEZEL	146-0446-002	01	54001	
	C-962 CHAN LIGHT PLATE	146-0448-002	01	54001	
	C-962 TOP COVER	146-0449-002	01	54001	
	C-962 BOTTOM COVER	146-0459-002	01	54001	
	MOD STATUS TAG	156-0100-000	01	54001	
	C-962 INT SW LABEL	156-0167-000	01	54001	
	C-722 NAMEPLATE	156-0172-000	01	54001	
	C-962 CHAN SEL DISC	180-0048-001	01	54001	
	C-962 DISPLAY FILTER	180-0049-000	01	54001	
	CONNECTOR KEYING PLUG	180-0050-000	04	22526	65307-001
	LED BUSHING	180-0066-000	03	54001	
	SCREW, 0-80X3/16 FHP	188-0001-006	04	54001	
	SCREW, 2-56X1/4 PHP	188-0100-008	04	70318	MS51957-3
	SCREW, 4-40X3/16 FHP	188-0201-006	17	70318	MS24693-C1
	SCREW, 4-40X1/4 FHP	188-0201-008	08	70318	MS24693-C2
	SCREW, 4-40X7/16 FHP	188-0201-014	04	70318	MS24693-C5
	SCREW, 4-40X1/4 SEMS	188-0208-008	08	54001	
	SCREW, 4-40X3/32 HEX BLK	188-0209-003	06	54001	
	SCREW, 4-40X3/8 BIN HD	188-0210-012	04	54001	
	NUT, 4-40X3/16	188-2200-000	04	54001	
	NUT, 1/4-32X5/16 BRASS	188-2450-000	02	54001	

6.3 PARTS LIST (cont.)

6.3.1 C-722 CONTROL UNIT (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	NUT, 3/8-32X15/32 BRASS	188-2551-017	02	54001	
	WASHER, SPLITLOCK NO.4	188-4200-000	04	70318	MS35338-135
	WASHER, INT STARLOCK 3/8	188-4550-000	01	54001	
	WASHER, INT STARLOCK 1/4	188-4703-000	02	78189	1214-05
	ANGLE BRKT 0.232 HOLE	189-0006-002	02	54001	
	ANGLE BRKT 0.166 HOLE	189-0006-003	02	54001	
	4-40X3/16 HEX POST 5/16L	191-0003-010	04	54001	
	4-40X3/16 HEX SPACER 3/16L	191-2027-006	04	54001	
A2	INTERCONNECT PC BD ASSY	300-2142-000	01	54001	
A3	POWER SUPPLY PC BD ASSY	300-2143-000	01	54001	
A4	LOGIC PC BD ASSY	300-2144-000	01	54001	
A5	DISPLAY PC BD ASSY	300-2145-000	01	54001	

EXCEPTIONS TO THE 400-0084-000 PARTS LISTINGS FOR THE 400-0084-001 PARTS LISTING.

DELETE:

C-722 NAMEPLATE	156-0172-000	01	54001
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ADD:

C-722 NAMEPLATE	156-0172-001	01	54001
C-722 MILITARY DECAL	156-0231-000	01	54001

6.3 PARTS LIST (cont.)

6.3.2 C-722A CHASSIS (A1)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A1	C-722A REV.H	400-0084-010	01	54001	
DS1	LED, YELLOW	136-0022-000	02	50522	MV5353
DS2	LED, YELLOW	136-0022-000	02	50522	MV5353
DS3	LED, GREEN	136-0021-000	01	50522	MV5253
J1 THROUGH J6					
	NOT USED				
J7	PLUG, 22S, WIRE MTG, 2 ROW	129-2067-002	02	22526	65043-026
J8	PLUG, 22S, WIRE MTG, 2 ROW	129-2067-002	02	22526	65043-026
J9	PLUG, 22S, WIRE MTG, 0.125CL	129-2066-022	01	22526	65302-015
J10 THROUGH J16					
	PLUG, 11S, WIRE MTG, 0.1CL	129-2065-011	07	22526	65039-026
R1/S2	RESISTOR, ADJ 50K W/SWITCH	233-0041-001	01	12697	381NS-50K-Z
R2	RESISTOR, ADJ 50K OHM	233-0041-000	01	12697	381N-50K-Z
RT1	RESISTOR, 10K OHM PHOTO SENS	233-0037-000	01	03911	CL905
S1	PUSHBUTTON, SPDT	130-0058-000	01	09353	8121-ZWBLACK(2)
S2	SEE R1				
S3	TOGGLE SWITCH, SPDT	130-0019-000	03	95146	MST-105
S4 THROUGH S10					
	THUMBWHEEL ASSY	300-1034-001	01	54001	
S11	TOGGLE SWITCH, SPDT	130-0019-000	03	95146	MST-105
S12	ROTARY SWITCH, BINARY	130-0055-000	01	82104	1261-SMP/REL-16-
S13	TOGGLE SWITCH, SPDT	130-0019-000	03	95146	MST-105
S14	TOGGLE SWITCH, 2P2T	130-0095-000	01	95146	MTA-206S
S15	TOGGLE SWITCH, 1P3 POS	130-0045-000	01	95146	MST-105E
	TEST POINT SOCKET	107-0020-000	03	98291	016-2008-000-200

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.2 C-722A CHASSIS (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	LG SPRING LATCH	129-1010-000	02	71468	D110279
	SM SPRING LATCH	129-1011-000	02	71468	D110277
	JACK, 11P 90 DEG PC MTG	129-2062-011	07	54001	
	CRIMP SOCKET	129-2068-000	93	22526	47745
	KNOB VOLUME	146-0298-003	02	54001	
	C-962 CONN MTG PLATE	146-0447-001	01	54001	
	TOP COVER	146-0449-002	01	54001	
	BOTTOM COVER	146-0449-012	01	54001	
	C-722A/C-962A FRAME	146-0607-002	01	54001	
	C-722A/C-962A FRONT PANEL	146-0608-002	01	54001	
	MOD STATUS TAG	156-0100-000	01	54001	
	C-962 INT SW LABEL	156-0167-000	01	54001	
	C-722A NAMEPLATE	156-0243-000	01	54001	
	CONNECTOR KEYING PLUG	180-0050-000	03	22526	65307-001
	LED BUSHING	180-0066-000	04	54001	
	SCREW, 2-56X1/4 PHP	188-0100-008	04	70318	MS51957-3
	SCREW, 4-40X3/16 FHP	188-0201-006	21	70318	MS24693-C1
	SCREW, 4-40X1/4 FHP	188-0201-008	02	70318	MS24693-C2
	SCREW, 4-40X7/16 FHP	188-0201-014	04	70318	MS24693-C5
	SCREW, 4-40X1/4 SEMS	188-0208-008	08	54001	
	SCREW, 4-40X3/8 SLOTTED PH	188-0210-012	04	54001	
	SCREW, 4-40X3/32 FLUTED SET	188-0214-003	04	54001	
	SCREW, 6-32X1/8 FLUTED SET	188-0314-004	02	54001	
	NUT, 4-40X3/16	188-2200-000	04	54001	
	NUT, 1/4-32X5/16 BRASS	188-2450-000	02	54001	
	NUT, 3/8-32X15/32 BRASS	188-2551-017	01	54001	

6.3 PARTS LIST (cont.)

6.3.2 C-722A CHASSIS (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	WASHER, SPLITLOCK NO.4	188-4200-000	04	70318	MS35338-135
	WASHER, INT, STARLOCK 3/8	188-4550-000	01	54001	
	WASHER, INT, STARLOCK 1/4	188-4703-000	02	78189	1214-05
	WASHER, NYLON 0.261DX0.060D	188-4705-000	01	86928	5610-125-20
	ANGLE BRKT 0.232 HOLE	189-0006-002	02	54001	
	ANGLE BRKT 0.166 HOLE	189-0006-003	02	54001	
	4-40X3/16 HEX POST 5/16L	191-0003-010	04	54001	
	4-40X3/16 HEX POST 3/16L	191-2027-006	04	54001	
	THUMBWHEEL ASSY	300-1034-001	01	54001	
	C-962A LIGHTED PNL ASSY 28V	300-1044-000	01	54001	
	KNOB, CHANNEL SELECT	300-1051-000	01	54001	
A2	INTERFACE BOARD 5V	300-2225-000	01	54001	
A3	POWER SUPPLY BOARD	300-2227-000	01	54001	
A4	LOGIC BOARD	300-2144-000	01	54001	
A5	DISPLAY BOARD	300-2226-000	01	54001	

EXCEPTIONS TO THE 400-0084-010 PARTS LISTINGS FOR THE 400-0084-020 PARTS LISTING:

DELETE:

LIGHTED PANEL ASSEMBLY, 28V	300-1044-000	01	54001
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ADD:

LIGHTED PANEL ASSEMBLY, 5V	300-1044-001	01	54001
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EXCEPTIONS TO THE 400-0084-010 PARTS LISTING FOR THE 400-0084-030 PARTS LISTING:

DELETE:

LIGHTED PANEL ASSEMBLY, 28V	300-1044-000	01	54001
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A2	INTERFACE BOARD ASSY, 28V	300-2225-000	01	54001
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ADD:

LIGHTED PANEL ASSEMBLY, 5V	300-1044-001	01	54001
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A2	INTERFACE BOARD ASSY, 14V	300-2225-001	01	54001
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6.3 PARTS LIST (cont.)

6.3.3 C-962 CONTROL UNIT (A1)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A1	C-962 REV.R	400-0073-000	01	54001	
DS1	LED, YELLOW	136-0022-000	03	50522	MV5353
DS2	LED, YELLOW	136-0022-000	03	50522	MV5353
DS3	LED, GREEN	136-0021-000	01	50522	MV5253
DS4	LED, YELLOW	136-0022-000	03	50522	MV5353
J1 THROUGH J6					
NOT USED					
J7	PLUG, 22S WIRE MTG, 2 ROW	129-2067-022	02	22526	65043-026
J8	PLUG, 22S WIRE MTG, 2 ROW	129-2067-022	02	22526	65043-026
J9	PLUG, 22S WIRE MTG, 0.125CL	129-2066-022	01	22526	65302-015
J10 THROUGH J16					
	PLUG, 11S WIRE MTG, 0.1CL	129-2065-011	07	22526	65039-026
R1/S2	RESISTOR, ADJ 50K W/SWITCH	233-0041-001	01	12697	381NS-50K-Z
R2	RESISTOR, ADJ 50K OHM	233-0041-000	01	12697	381N-50K-Z
S1	PUSHBUTTON, SPDT	130-0058-000	01	09353	8121-2W BLACK(2)
S2	SEE R1				
S3	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S4 THROUGH S10					
	THUMBWHEEL ASSY	300-1028-001	01	54001	3 20225 JT
S11	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S12	ROTARY SW, BINARY	130-0055-000	01	82104	1261SMP/REL-16-1
S13	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105D
S14	TOGGLE SW, 1P3 POS	130-0056-000	01	09353	7105 SYZQ
	LG SPRING LATCH	129-1010-000	02	71468	D110279
	SM SPRING LATCH	129-1011-000	02	71468	D110277
	JACK, 90 DEG PC MTG	129-2062-011	07	22526	65521-136

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.3 C-962 CONTROL UNIT (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	CRIMP SOCKET	129-2068-000	91	22526	47745
	MOUNT, LED	136-3002-000	01	50434	HP5082-4407
	C-920 VOLUME KNOB	146-0359-001	02	54001	
	C-962 FRONT PANEL	146-0391-002	01	54001	
	C-962 FRAME	146-0403-003	01	54001	
	C-962 CHAN SEL KNOB	146-0445-001	01	54001	
	C-962 BEZEL	146-0446-002	01	54001	
	C-962 CHAN LIGHT PLATE	146-0448-002	01	54001	
	C-962 TOP COVER	146-0449-002	01	54001	
	C-962 BOTTOM COVER	146-0459-002	01	54001	
	MOD STATUS TAG	156-0100-000	01	54001	
	C-962 NAMEPLATE	156-0133-000	01	54001	
	C-962 INT SW LABEL	156-0167-000	01	54001	
	C-962 CHAN SEL DISC	180-0048-001	01	54001	
	C-962 DISPLAY FILTER	180-0049-000	01	54001	
	CONNECTOR KEYING PLUG	180-0050-000	04	22526	65307-001
	LED BUSHING	180-0066-000	03	54001	
	SCREW, 0-80X3/16 FHP	188-0001-006	04	54001	
	SCREW, 2-56X1/4 PHP	188-0100-008	04	70318	MS51957-3
	SCREW, 4-40X3/16	188-0201-006	19	70318	MS24693-C1
	SCREW, 4-40X1/4 FHP	188-0201-008	06	70318	MS24693-C2
	SCREW, 4-40X7/16 FHP	188-0201-014	04	70318	MS24693-C5
	SCREW, 4-40X1/4 SEMS	188-0208-008	08	54001	
	SCREW, 4-40X3/32 HEX BLK	188-0209-003	06	54001	
	SCREW, 4-40X3/8 BIND HD	188-0210-012	04	54001	
	NUT, 4-40X3/16	188-2200-000	04	54001	

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.3 C-962 CONTROL UNIT (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	NUT, 1/4-32X5/16 BRASS	188-2450-000	02	54001	
	NUT, 3/8-32X15/32 BRASS	188-2551-017	02	54001	
	WASHER, SPLITLOCK NO.4	188-4200-000	04	70318	MS35338-135
	WASHER, INT STARLOCK 3/8	188-4550-000	01	54001	
	WASHER, INT STARLOCK 1/4	188-4703-000	02	78198	1214-05
	ANGLE BRKT 0.232 HOLE	189-0006-002	02	54001	
	ANGLE BRKT 0.166 HOLE	189-0006-003	02	54001	
	4-40X3/16 HEX POST 5/16L	191-0003-010	04	54001	
	4-40X3/16 HEX SPACER 3/16L	191-2027-006	04	54001	
A2	INTERCONNECT PC BD ASSY	300-2142-000	01	54001	
A3	POWER SUPPLY PC BD ASSY	300-2143-000	01	54001	
A4	LOGIC PC BD ASSY	300-2144-000	01	54001	
A5	DISPLAY PC BD ASSY	300-2145-000	01	54001	

EXCEPTIONS TO THE 400-0073-000 PARTS LISTINGS FOR THE 400-0073-001 PARTS LISTING:

DELETE:

C-962 NAMEPLATE	156-0133-000	01	54001
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ADD:

C-962 NAMEPLATE	156-0133-001	01	54001
C-962 MILITARY DECAL	156-0229-000	01	54001

6.3.4 C-962A CHASSIS (A1)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A1	C-962A REV.H	400-0073-010	01	54001	
DS1	LED, YELLOW	136-0022-000	02	50522	MV5353
DS2	LED, YELLOW	136-0022-000	02	50522	MV5353
DS3	LED, GREEN	136-0021-000	01	50522	MV5253
J1 THROUGH J6					
	NOT USED				
J7	PLUG, 22S, WIRE MTG, 2 ROW	129-2067-002	02	22526	65043-026
J8	PLUG, 22S, WIRE MTG, 2 ROW	129-2067-002	02	22526	65043-026
J9	PLUG, 22S, WIRE MTG, 0.125CL	129-2066-002	01	22526	65302-015
J10 THROUGH J16					
	PLUG, 11S, WIRE MTG, 0.1CL	129-2064-011	07	22526	65039-026
R1/S2	RESISTOR, ADJ 50K W/SWITCH	233-0041-001	01	12697	381NS-50K-Z
R2	RESISTOR, ADJ 50K OHM	233-0041-000	01	12697	381N-50K-Z
RT1	RESISTOR, 10K OHM PHOTO SENS	233-0037-000	01	03911	CL905
S1	PUSHBUTTON, SPDT	130-0058-000	01	09353	8121-2W BLACK(2)
S2	SEE R1				
S3	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105
S4 THROUGH S10					
	THUMBWHEEL ASSY	300-1028-001	01	54001	
S11	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105
S12	ROTARY SWITCH, BINARY	130-0055-000	01	82104	1261-SMP/REL-16-1
S13	TOGGLE SW, SPDT	130-0019-000	03	95146	MST-105
S14	TOGGLE SW, 2P2T	130-0095-000	01	95146	MTA-206S
S15	TOGGLE SW, 1P3 POS	130-0045-000	01	95146	MST-105E
	TEST POINT SOCKET	107-0020-000	03	98291	016-2008-000-200
	LG SPRING LATCH	129-1010-000	02	71468	D110279

6.3 PARTS LIST (cont.)

6.3.4 C-962A CHASSIS (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	SM SPRING LATCH	129-1011-000	02	71468	D110277
	JACK, 11P, 90 DEG PC MTG	129-2062-011	07	54001	
	CRIMP SOCKET	129-2068-000	93	22526	47745
	VOLUME KNOB	146-0298-003	02	54001	
	C-962 CONN MTG	146-0447-001	01	54001	
	C-962 TOP COVER	146-0449-002	01	54001	
	BOTTOM COVER	146-0449-012	01	54001	
	C-722A/C-962A FRAME	146-0607-002	01	54001	
	C-722A/C-962A FRONT PANEL	146-0608-002	01	54001	
	SKIRTED KNOB, 1.50 DIA.	146-0609-003	01	54001	
	MOD STATUS TAG	156-0100-000	01	54001	
	C-962 INT SW LABEL	156-0167-000	01	54001	
	C-962A NAMEPLATE	156-0242-000	01	54001	
	CONNECTOR KEYING PLUG	180-0050-000	03	22526	65307-001
	LED BUSHING	180-0066-000	04	54001	
	SCREW, 2-46X1/4 PHP	188-0100-008	04	70318	MS51957-3
	SCREW, 4-40X3/16 FHP	188-0201-006	21	70318	MS24693-C1
	SCREW, 4-40X1/4 FHP	188-0201-008	02	70318	MS24693-C2
	SCREW, 4-40X7/16 FHP	188-0201-014	04	70318	MS24693-C5
	SCREW, 4-40X1/4 SEMS	188-0208-008	08	54001	
	SCREW, 4-40X3/8 SLOTTED PH	188-0210-012	04	54001	
	SCREW, 4-40X3/32 FLUTED SET	188-0214-003	04	54001	
	SCREW, 6-32X1/8 FLUTED SET	188-0314-004	02	54001	
	NUT, 4-40X3/16	188-2200-000	04	54001	
	NUT, 1/4-32X5/16 BRASS	188-2450-000	02	54001	
	NUT, 3/8-32X15/32 BRASS	188-2551-017	01	54001	

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.4 C-962A CHASSIS (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	WASHER, SPLITLOCK NO.4	188-4200-000	04	70318	MS35338-135
	WASHER, INT, STARLOCK 3/8	188-4550-000	01	54001	
	WASHER, INT, STARLOCK 1/4	188-4703-000	02	86928	5610-125-20
	WASHER, NYLON 0.26IDX0.060D	188-4705-000	01	54001	
	ANGLE BRKT 0.232 HOLE	189-0006-002	02	54001	
	ANGLE BRKT 0.166 HOLE	189-0006-003	02	54001	
	4-40X3/16 HEX POST 5/16L	191-0003-010	04	54001	
	4-40X3/16 HEX POST 3/16L	191-2027-006	04	54001	
	C-962A LIGHTED PANEL ASSY, 28V	300-1044-000	01	54001	
	KNOB, CHANNEL SEL	300-1051-001	01	54001	
A2	INTERFACE BOARD, 5V	300-2225-000	01	54001	
A3	POWER SUPPLY BOARD	300-2227-000	01	54001	
A4	LOGIC BOARD	300-2144-000	01	54001	
A5	DISPLAY BOARD	300-2226-000	01	54001	

EXCEPTIONS TO THE 400-0073-010 PARTS LISTINGS FOR THE 400-0073-020 PARTS LISTING:

DELETE:

LIGHTED PANEL ASSEMBLY, 28V	300-1044-000	01	54001
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ADD:

LIGHTED PANEL ASSEMBLY, 5V	300-1044-001	01	54001
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C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.4 C-962A CHASSIS (A1) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
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EXCEPTIONS TO THE 400-0073-010 PARTS LISTINGS FOR THE 400-0073-030 PARTS LISTING:

DELETE:

	LIGHTED PANEL ASSEMBLY, 28V	300-1044-000	01	54001	
A2	INTERFACE BOARD, 28V	300-2225-000	01	54001	

ADD:

	LIGHTED PANEL ASSEMBLY, 14V	300-1044-002	01	54001	
A2	INTERFACE BOARD, 14V	300-2225-001	01	54001	

EXCEPTIONS TO THE 400-0073-010 (C-962A) PARTS LISTING FOR THE 400-0141-010 (C-962S WITH 28V INTEGRAL LIGHTS) PARTS LISTING:

(NOTE: C-962S REFERENCE DESIGNATORS ARE DEFINED BY ADDING 100 TO ALL C-962A REFERENCE DESIGNATORS.)

DELETE:

C-962A NAMEPLATE	156-0242-000	01	54001
C-962A LIGHTED PNL ASSY, 28V	300-1044-000	01	54001
INTERFACE BOARD	300-2225-000	01	54001

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.4 C-962A CHASSIS (A1) (cont.)

<u>CKT</u> <u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG</u> <u>PART NUMBER</u>	<u>ASSY</u> <u>QTY</u>	<u>VENDOR</u> <u>CODE</u>	<u>VENDOR</u> <u>PART NUMBER</u>
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EXCEPTIONS TO THE 400-0073-010 (C-962A) PARTS LISTING FOR THE 400-0141-010 (C-962S WITH 28V INTEGRAL LIGHTS) PARTS LISTING: (cont.)

(NOTE: C-962S REFERENCE DESIGNATORS ARE DEFINED BY ADDING 100 TO ALL C-962A REFERENCE DESIGNATORS.)

ADD:

C-962S NAMEPLATE	156-0342-000	01	54001
C-962S DVP BEZEL ASSY, 28V	300-1044-003	01	54001
C-962S INTERFACE BD 5/28V	300-2225-002	01	54001

EXCEPTIONS TO THE 400-0141-010 (C-962S WITH 28V LIGHTS) PARTS LISTING FOR THE 400-0141-020 (C-962S WITH 5V LIGHTS) PARTS LISTING:

DELETE:

C-962S DVP INTERFACE BD, 28V	300-1044-003	01	54001
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ADD:

C-962S DVP INTERFACE BD, 5V	300-1044-004	01	54001
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C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.5 C-722/C-962 INTERCONNECT BOARD (A2)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A2	INTERCONNECT BD REV.E	300-2142-000	01	54001	
J1	NOT USED				
J2	NOT USED				
J3	2/30 POS PC CONN	129-2078-000	01	31223	MP-0125-30-DW-44
J4	2/15 POS PC CONN	129-2077-000	01	31223	MP-0125-15-DW-44
J5	2/10 POS PC CONN	129-2076-000	02	31223	MP-0125-10-DW-44
J6	2/10 POS PC CONN	129-2076-000	02	31223	MP-0125-10-DW-44
P1	JACK, 50P RECT PC MTG	129-2070-000	01	71468	DDM-50PE
P2	JACK, 25P RECT PC MTG	129-2069-000	01	71468	DBM-25PE
P3 THROUGH P6					
	NOT USED				
P7	JACK, 22P 2 ROW PC MTG	129-2060-022	02	22526	65610-136
P8	JACK, 22P 2 ROW PC MTG	129-2060-022	02	22526	65610-136
P9	JACK, 22P PC MTG	129-2061-022	01	22526	65542-136
R1	RESISTOR, 220 OHM 1/4W	230-0223-022	01	01121	RCR7G221KS
	PC C-962 INTERCONNECT	108-6067-000	01	54001	
	C-962 CONN MTG PLATE	146-0447-001	01	54001	

6.3 PARTS LIST (cont.)

6.3.6 C-722A/C-962A INTERFACE BOARD (A2)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A2	C-722A/C-962A INTERFACE BD REV.E	300-2225-000	01	54001	
CR1 THROUGH CR3					
	1N914	106-5007-000	03	07263	1N914
J1	NOT USED				
J2	NOT USED				
J3	2/30 POS PC CONN	129-2078-000	01	31223	MP-0125-30-DW-44
J4	2/15 POS PC CONN	129-2077-000	01	31223	MP-0125-15-DW-44
J5	2/10 POS PC CONN	129-2076-000	02	31223	MP-0125-10-DW-44
J6	2/10 POS PC CONN	129-2076-000	02	31223	MP-0125-10-DW-44
P1	JACK, 50P RECT PC MTG	129-2070-000	01	71468	DDM-50PE
P2	JACK, 25P RECT PC MTG	129-2069-000	01	71468	DBM-25PE
P3 THROUGH P6					
	NOT USED				
P7	JACK, 22P 2 ROW PC MTG	129-2060-022	02	22526	65610-136
P8	JACK, 22P 2 ROW PC MTG	129-2060-022	02	22526	65610-136
P9	JACK, 22P PC MTG	129-2061-022	01	22526	65542-136
Q1	HEXFET, IRF-511	106-0050-000	01	81483	IRF-511
R1	RESISTOR, 220 OHM 1/4W	230-0223-022	01	01121	RCR07G221KS
R2	RESISTOR, 10K OHM 1/4W	230-0105-022	01	01121	RCR07G103KS
	INTERFACE PC BD	108-6128-000	01	54001	
	SCREW, 4-40X5/16 PHP	188-0200-010	01	70318	MS51957-14
	NUT, 4-40X3/16	188-2200-000	01	54001	
	WASHER, SPLITLOCK NO.4	188-4200-000	01	70318	MS35338-135

THE PARTS LISTING FOR THE 14V LIGHTING INTERFACE BOARD (300-2225-001) IS IDENTICAL TO THE 5V OR 28V INTERFACE BOARD (300-2225-000) PARTS LISTING.

6.3 PARTS LIST (cont.)

6.3.7 C-722/C-962 POWER SUPPLY BOARD (A3)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A3	POWER SUPPLY BD REV.S	300-2143-000	01	54001	
C1	CAP, TANT 1.0UF 35V	195-0107-035	01	31433	T110A105M035AS
C2	CAP, ALUM 470UF 40V	196-0006-000	01	25088	470/40/81006
C3	CAP, TANT 4.7UF 50V	195-0477-026	02	31433	T110B475M050AS
C4	CAP, TANT 330UF 6V	195-0335-021	02	31433	T110D337K006AS
C5	CAP, TANT 330UF 6V	195-0335-021	02	31433	T110D337K006AS
C6	CAP, MYLAR 0.1UF	204-0002-000	01	27735	MPE-21-.1-100-5
C7	CAP, MONO-CER 0.15UF X7R	209-4154-011	01	31433	C330C15K5R5CA
C8	CAP, MONO-CER 2200PF X7R	209-1222-011	01	31433	C315C222K5R5CA
C9 THROUGH C12					
	CAP, DISC-CER 100PF	208-0004-000	04	33498	AC1-X5F-101K
C13	CAP, DISC-CER 0.1UF 20V	208-0010-000	02	71590	UK20-104
C14	CAP, DISC-CER 0.1UF 20V	208-0010-000	02	71590	UK20-104
C15	CAP, DISC-CER 220PF	208-0005-000	01	71590	CE-221
C16	CAP, TANT 4.7UF 50V	195-0477-026	02	31433	T110B475M050AS
C17	CAP, TANT 100UF 10V	195-0105-032	01	31433	T110C107M010AS
CR1	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR2	1N5226B 3.3V ZENER	106-4013-000	01	04713	1N5226B
CR3	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR4	NOT USED				
CR5	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR6	1N4004 RECTIFIER	106-5024-000	01	01295	1N4004
CR7	1N4750A 27V ZENER	106-4018-000	01	01295	1N4750A
CR8	A115A RECTIFIER	106-5004-000	01	03508	A115A
CR9	1N5342B 6.8V ZENER	106-4019-000	01	01295	1N5342B

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.7 C-722/C-962 POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
CR10 THROUGH CR13					
	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR14 THROUGH CR17					
	1N914	106-5007-000	04	07263	1N914
F1	FUSE, 1.5A	135-0008-000	01	75915	175 01.5
FL1	1.0MH FILTER CHOKE	118-1054-000	01	54001	
Q1	TIP-41 NPN MED PWR	106-0037-000	03	07263	TIP-41
Q2	2N5879 PNP PWR	106-0036-000	01	04713	2N5879
Q3	TIP-42 PNP MED PWR	106-0038-000	01	07263	TIP-42
Q4	2N5447 PNP	106-0008-000	02	01295	2N5447
Q5	TIP-41 NPN MED PWR	106-0037-000	03	07263	TIP-41
Q6	TIP-41 NPN MED PWR	106-0037-000	03	07263	TIP-41
Q7	2N5447 NPN	106-0008-000	02	01295	2N5447
R1	RESISTOR, 100 OHM 1/4W	230-0103-022	02	01121	RCR07G101KS
R2	RESISTOR, 470 OHM 2W	230-0473-052	01	01121	RCR42G471KS
R3	RESISTOR, 3.3 OHM 1/4W	230-0331-022	01	01121	RCR07G3R3KS
R4	RESISTOR, 3.3K OHM 1/4W	230-0334-022	01	01121	RCR07G332KS
R5	RESISTOR, 220 OHM 1/4W	230-0223-022	04	01121	RCR07G221KS
R6	RESISTOR, 120 OHM 1/4W	230-0123-022	01	01121	RCR07G121KS
R7	RESISTOR, 220 OHM 1/4W	230-0223-022	04	01121	RCR07G221KS
R8	RESISTOR, 220 OHM 1/4W	230-0223-022	04	01121	RCR07G221KS
R9	RESISTOR, 2.21K OHM 1%	231-2214-021	01	91637	RN55D2211F
R10	RESISTOR, 5.23K OHM 1%	231-5234-021	01	91637	RN55D5231F
R11	RESISTOR, 1K OHM 1/4W	230-0104-022	06	01121	RCR07G102KS
R12	RESISTOR, 220 OHM 1/4W	230-0223-022	04	01121	RCR07G221KS
R13	RESISTOR, 1.5K OHM 1/4W	230-0154-022	01	01121	RCR07G152KS

6.3 PARTS LIST (cont.)

6.3.7 C-722/C-962 POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
R14	RESISTOR, 120K OHM 1/4W	230-0126-022	01	01121	RCR07G124KS
R15	RESISTOR, 6.8K OHM 1/4W	230-0684-022	01	01121	RCR07G682KS
R16	RESISTOR, 100K OHM 1/4W	230-0106-022	01	01121	RCR07G104KS
R17	RESISTOR, 10.0K OHM 1%	231-1005-021	01	91637	RN55D1002F
R18	RESISTOR, 33K OHM 1/4W	230-0335-022	01	01121	RCR07G333KS
R19	RESISTOR, 10K OHM 1/4W	230-0105-022	03	01121	RCR07G103KS
R20	RESISTOR, 100 OHM 1/4W	230-0103-022	02	01121	RCR07G101KS
R21	RESISTOR, 10K OHM 1/4W	230-0105-022	03	01121	RCR07G103KS
R22	RESISTOR, 1K OHM 1/4W	230-0104-022	06	01121	RCR07G102KS
R23	RESISTOR, 5.62K OHM 1%	231-5624-021	01	91637	RN55D5621F
R24	RESISTOR, 10K OHM 1/4W	230-0105-022	03	01121	RCR07G103KS
R25	RESISTOR, 560 OHM 1/4W	230-0563-022	01	01121	RCR07G561KS
R26	RESISTOR, 56 OHM 1/4W	230-0562-022	01	01121	RCR07G560KS
R27 THROUGH R30					
	RESISTOR, 1K OHM 1/4W	230-0104-022	06	01121	RCR07G102KS
T1	SWITCHING XFMR	118-3009-000	01	11402	24-0568-00
U1	723 LIN ADJ REG	106-7070-000	01	27014	LM723CN
U2	358 LIN DUAL OPAMP	106-7044-000	01	27014	LM358N
	PC C-962 PWR SUPL	108-6063-000	01	54001	108-6063-000
	SPLIT TERMINAL, HOLLOW	109-0020-000	02	58712	2006B
	T0-3 MICA INS	111-0002-000	01	08530	732
	T0-220 MICA INS	111-0019-000	01	50012	B08853A001
	CV-28A/B HEATSINK	146-0233-001	01	54001	
	SCREW, 4-40X1/4 SEMS	188-0208-008	02	54001	
	SCREW, 6-32X5/8 PHP	188-0300-020	02	70318	MS51957-31
	SCREW, 6-32X5/16 LEXAN	188-0306-010	01	54001	

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.7 C-722/C-962 POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
	NUT, 6-32X5/16 KEP	188-2301-000	03	54001	
	WASHER, FLAT NO.6	188-4301-000	01	70318	MS15795-806
	HEATSINK, TO-220	189-0046-001	01	54001	
	4-40X6-32M POST 0.21L	191-2026-000	01	54001	

6.3.8 C-722A/C-962A POWER SUPPLY BOARD (A3)

A3	POWER SUPPLY BD REV.E	300-2227-000	01	54001	
C1	CAP, TANT 1.0UF 35V	195-0107-035	01	31433	T110A105M035AS
C2	CAP, ALUM 470UF 40V	196-0006-000	01	25088	470/40/81006
C3	CAP, ALUM 4.7UF 63V	196-0016-000	02	25088	B41313/4.7/63
C4	CAP, TANT 220UF 10V	195-2225-032	02	90201	THF227M010P16
C5	CAP, TANT 220UF 10V	195-2225-032	02	90201	THF227M010P16
C6	CAP, MYLAR 0.1UF	204-0002-000	01	27735	MPE-21-.1-100-5
C7	CAP, MONO-CER 0.15UF X7R	209-4154-011	01	31433	C330C154K5R5CA
C8	CAP, MONO-CER 220PF X7R	209-1222-011	01	31433	C315C222K5R5CA
C9 THROUGH C12					
	CAP, DISC-CER 100PF	208-0004-000	04	33498	AC1-X5F-101K
C13	CAP, DISC-CER 0.1UF 20V	208-0010-000	02	71590	UK20-104
C14	CAP, DISC-CER 0.1UF 20V	208-0010-000	02	71590	UK20-104
C15	CAP, DISC-CER 220PF	208-0005-000	01	71590	CE-221
C16	CAP, TANT 15UF 20V	195-0156-034	01	31433	T110B156M020AS
C17	CAP, ALUM 4.7UF 63V	196-0016-000	02	25088	B41313/4.7/63
CR1	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR2	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR3	NOT USED				

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.8 C-722A/C-962A POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
CR4	NOT USED				
CR5	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR6	1N4004 RECTIFIER	106-5024-000	01	01295	1N4004
CR7	1N4750A 27V ZENER	106-4018-000	01	01295	1N4750A
CR8	A115A RECTIFIER	106-5004-000	01	03508	A115A
CR9	1N5342B 6.8V ZENER	106-4019-000	01	01295	1N5342B
CR10 THROUGH CR13					
	1N4002 RECTIFIER	106-5009-000	07	04713	1N4002
CR14 THROUGH CR17					
	1N914	106-5007-000	05	07263	1N914
CR18	1N4735A 6.2V ZENER	106-4016-000	01	04713	1N4735A
CR19	1N914	106-5007-000	05	07263	1N914
F1	FUSE, 1.5A	135-0008-000	01	75915	275 01.5
FL1	1.0MH FILTER CHOKE	118-1054-000	01	54001	
Q1	NOT USED				
Q2	2N5879 PNP PWR	106-0036-000	01	04713	2N5879
Q3	TIP-42 PNP MED PWR	106-0038-000	01	07263	TIP-42
Q4	2N5447 PNP	106-0008-000	04	01295	2N5447
Q5	TIP-41 NPN MED PWR	106-0037-000	01	07263	TIP-41
Q6 THROUGH Q8					
	2N5447 PNP	106-0008-000	04	01295	2N5447
Q9 THROUGH Q11					
	GES-98 NPN	106-0001-000	03	03508	GES-98
Q12	1RF 9521	106-0049-001	01	81483	1RF 9521
R1	NOT USED				
R2	NOT USED				

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.8 C-722A/C-962A POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
R3	RESISTOR, 3.3 OHM 1/4W	230-0331-022	01	01121	RCR07G3R3KS
R4	RESISTOR, 3.3K OHM 1/4W	230-0334-022	01	01121	RCR07G332KS
R5	RESISTOR, 220 OHM 1/4W	230-0223-022	02	01121	RCR07G221KS
R6	RESISTOR, 120 OHM 1/4W	230-0123-022	01	01121	RCR07G121KS
R7	NOT USED				
R8	NOT USED				
R9	RESISTOR, 2.21K OHM 1%	231-2214-021	01	91637	RN55D2211F
R10	RESISTOR, 5.23K OHM 1%	231-5234-021	01	91637	RN55D5231F
R11	RESISTOR, 1K OHM 1/4W	230-0104-022	05	01121	RCR07G102KS
R12	RESISTOR, 220 OHM 1/4W	230-0223-022	02	01121	RCR07G221KS
R13	RESISTOR, 1.5K OHM 1/4W	230-0154-022	02	01121	RCR07G152KS
R14	RESISTOR, 120K OHM 1/4W	230-0126-022	01	01121	RCR07G124KS
R15	RESISTOR, 6.8K OHM 1/4W	230-0684-022	01	01121	RCR07G682KS
R16	RESISTOR, 47K OHM 1/4W	230-0475-022	02	01121	RCR07G473KS
R17	RESISTOR, 10.0K OHM 1%	231-1005-021	01	91637	RN55D1002F
R18	RESISTOR, 33K OHM 1/4W	230-0335-022	02	01121	RCR07G333KS
R19	RESISTOR, 10K OHM 1/4W	230-0105-022	05	01121	RCR07G103KS
R20	RESISTOR, 100 OHM 1/4W	230-0103-022	01	01121	RCR07G101KS
R21	RESISTOR, 10K OHM 1/4W	230-0105-022	05	01121	RCR07G103KS
R22	RESISTOR, 1K OHM 1/4W	230-0104-022	05	01121	RCR07G102KS
R23	RESISTOR, 5.62K OHM 1%	231-5624-021	01	91637	RN55D5621F
R24	RESISTOR, 10K OHM 1/4W	230-0105-022	05	01121	RCR07G103KS
R25	RESISTOR, 560 OHM 1/4W	230-0563-022	01	01121	RCR07G561KS
R26	RESISTOR, 56 OHM 1/4W	230-0562-022	01	01121	RCR07G560KS
R27	RESISTOR, 1K OHM 1/4W	230-0104-022	05	01121	RCR07G102KS
R28	RESISTOR, 1K OHM 1/4W	230-0104-022	05	01121	RCR07G102KS

6.3 PARTS LIST (cont.)

6.3.8 C-722A/C-962A POWER SUPPLY BOARD (A3) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
R29	RESISTOR, 3.9K OHM 1/4W	230-0394-022	02	01121	RCR07G392KS
R30	RESISTOR, 47K OHM 1/4W	230-0475-022	02	01121	RCR07G473KS
R31	RESISTOR, 10K OHM 1/4W	230-0105-022	05	01121	RCR07G103KS
R32	RESISTOR, 3.9K OHM 1/4W	230-0394-022	02	01121	RCR07G392KS
R33	RESISTOR, 1.5K OHM 1/4W	230-0154-022	02	01121	RCR07G152KS
R34	RESISTOR, 33K OHM 1/4W	230-0335-022	02	01121	RCR07G333KS
R35	RESISTOR, 5.6K OHM 1/4W	230-0564-022	03	01121	RCR07G562KS
R36	RESISTOR, 150 OHM 1/4W	230-0153-022	02	01121	RCR07G151KS
R37	RESISTOR, 150 OHM 1/4W	230-0153-022	02	01121	RCR07G151KS
R38	RESISTOR, 5.6K OHM 1/4W	230-0564-022	03	01121	RCR07G562KS
R39	RESISTOR, 10K OHM 1/4W	230-0105-022	05	01121	RCR07G103KS
R40	RESISTOR, 5.6K OHM 1/4W	230-0564-022	03	01121	RCR07G562KS
R41	RESISTOR, 1K OHM 1/4W	230-0104-022	05	01121	RCR07G102KS
T1	SWITCHING XFMR, C-962	118-3009-000	01	11402	24-0568-00
U1	723 LIN ADJ REG	106-7070-000	01	27014	LM723CN
U2	358 LIN DUAL OPAMP	106-7044-000	01	27014	LM358N
	PC C-722A/C-962A PWR SUPPLY	108-6127-000	01	54001	
	SPLIT TERMINAL, HOLLOW	109-0020-000	02	58712	2006B
	TO-3 MICA INS	111-0002-000	01	08530	732
	TO-220 MICA INS	111-0019-000	03	50012	B08853A001
	SCREW, 4-40X5/16 PHP	188-0200-010	05	70318	MS51957-14
	NUT, 4-40X3/16	188-2200-000	03	54001	
	NUT, 4-40X1/4 KEP	188-2202-000	02	54001	
	WASHER, SPLITLOCK NO.4	188-4200-000	03	70318	MS35338-135
	NO.4 NYLON SCREW INSUL	190-0017-001	03	06915	4-3

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.9 C-722/C-722A/C-962/C-962A LOGIC BOARD (A4)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
A4	LOGIC BD REV.G	300-2144-000	01	54001	
C1	CAP, DISC-CER 100PF	208-0004-000	01	33498	AC1-X5F-101K
C2	CAP, DISC-CER 0.1UF 10V	208-0009-000	02	71590	UK10-104
C3	CAP, DISC-CER 0.01UF 50V	208-0011-000	02	71590	UK50-103
C4	CAP, DISC-CER 0.01UF 50V	208-0011-000	02	71590	UK50-103
C5	CAP, DISC-CER 0.1UF 10V	208-0009-000	02	71590	UK10-104
C6	CAP, DISC-CER 220PF	208-0005-000	02	71590	CE-221
C7	CAP, DISC-CER 220PF	208-0005-000	02	71590	CE-221
C8	CAP, POLYCARB 0.47UF	205-0004-000	01	14752	650B1B474J
C9	CAP, TANT 1.0UF 35V	195-0107-035	02	31433	T110A105M035AS
C10	CAP, DISC-CER 2200PF	208-0021-000	01	71590	CE-222
C11	CAP, TANT 4.7UF 10V	195-0477-032	02	31433	T110A475M010AS
C12	CAP, TANT 4.7UF 10V	195-0477-032	02	31433	T110A475M010AS
C13	NOT USED				
C14	CAP, TANT 1.0UF 35V	195-0107-035	02	31433	T110A105M035AS
C15	CAP, MONO-CER 0.01UF X7R	209-1103-011	01	31433	C315C103K5R5CA
CR1	1N914	106-5007-000	02	07263	1N914
CR2	1N914	106-5007-000	02	07263	1N914
R1 THROUGH R4					
	RESISTOR, 10K OHM 1/4W	230-0105-022	17	01121	RCR07G103KS
R5	RESISTOR, 47K OHM 1/4W	230-0475-022	01	01121	RCR07G473KS
R6	RESISTOR, 22K OHM 1/4W	230-0225-022	03	01121	RCR07G223KS
R7 THROUGH R12					
	RESISTOR, 10K OHM 1/4W	230-0105-022	17	01121	RCR07G103KS
R13	RESISTOR, 4.7K OHM 1/4W	230-0474-022	01	01121	RCR07G472KS
R14	RESISTOR, 220K OHM 1/4W	230-0226-022	01	01121	RCR07G224KS

6.3 PARTS LIST (cont.)

6.3.9 C-722/C-722A/C-962/C-962A LOGIC BOARD (A4) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
R15	RESISTOR, 680K OHM 1/4W	230-0686-022	01	01121	RCR07G684KS
R16 THROUGH R20					
	RESISTOR, 10K OHM 1/4W	230-0105-022	17	01121	RCR07G103KS
R21	RESISTOR, 1K OHM 1/4W	230-0104-022	02	01121	RCR07G102KS
R22	RESISTOR, 22K OHM 1/4W	230-0225-022	03	01121	RCR07G223KS
R23	RESISTOR, 1K OHM 1/4W	230-0104-022	02	01121	RCR07G102KS
R24	RESISTOR, 22K OHM 1/4W	230-0225-022	03	01121	RCR07G223KS
R25	RESISTOR, 10K OHM 1/4W	230-0105-022	17	01121	RCR07G103KS
R26	RESISTOR, 10K OHM 1/4W	230-0105-022	17	01121	RCR07G103KS
S1	DIP SW, 4PST	130-0078-000	01	00779	1-435802-3
U1	40098 CMOS HEX INV	106-7069-000	02	07263	F40098BPC
U2	40098 CMOS HEX INV	106-7069-000	02	07263	F40098BPC
U3	4012 CMOS DUAL NAND	106-7061-000	01	02735	CD4012BE
U4	4069 CMOS HEX INV	106-7020-000	02	02735	CD4069UBE
U5	4060 CMOS 12 STAGE CTR	106-7065-000	01	27014	CD4060CN
U6	4013 CMOS DUAL D FLFP	106-7062-000	03	02735	CD4013BE
U7	4011 CMOS QUAD NAND	106-7015-000	04	02735	CD4011UBE
U8	4023 CMOS TRIP NAND	106-7063-000	02	02735	CD4023BE
U9	4023 CMOS TRIP NAND	106-7063-000	02	02735	CD4023BE
U10	4025 CMOS TRIP NOR	106-7064-000	01	02735	CD4025BE
U11	4011 CMOS QUAD NAND	106-7015-000	04	02735	CD4011UBE
U12	4011 CMOS QUAD NAND	106-7015-000	04	02735	CD4011UBE
U13	4013 CMOS DUAL D FLFP	106-7062-000	03	02735	CD4013BE
U14	4071 CMOS QUAD OR	106-7066-000	01	02735	CD4071BE
U15	4081 CMOS QUAD AND	106-7068-000	01	02735	CD4081BE

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.9 C-722/C-722A/C-962/C-962A LOGIC BOARD (A4) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
U16	4013 CMOS DUAL D FLFP	106-7062-000	03	02735	CD4013BE
U17	4001 CMOS QUAD NOR	106-7014-000	01	02735	CD4001UBE
U18	4011 CMOS QUAD NAND	106-7015-000	04	02735	CD4011UBE
U19	4069 CMOS HEX INV	106-7020-000	02	02735	CD4069UBE
U20	4075 CMOS TRIP OR	106-7067-000	01	02735	CD4075BE
	PC C-962 LOGIC	108-6066-000	01	54001	

6.3.10 C-722/C-962 DISPLAY BOARD (A5)

A5	DISPLAY BD REV.F	300-2145-000	01	54001	
C1	CAP, TANT 1.0UF 35V	195-0107-035	01	31433	T110A105M035AS
C2	CAP, DISC-CER 0.01UF 50V	208-0011-000	01	71590	UK50-103
C3	CAP, MONO-CER 0.15UF X7R	209-4151-011	01	31433	C330C154K5R5CA
CR1	1N4002 RECTIFIER	106-5009-000	01	04713	1N4002
DS1 THROUGH DS7					
	DISPLAY, 7 SEG, LED	136-0025-000	07	28480	HDSP-3533
R1 THROUGH R45					
	RESISTOR, 68.1 OHM 1%	231-6812-021	45	91637	RN55D68.1F
R46 THROUGH R65					
	RESISTOR, 10K OHM 1/4W	230-0105-022	20	01121	RCR07G103KS
U1 THROUGH U6					
	4511 CMOS 7 SEG DISP DRI	106-7057-000	06	02735	CD4511BE
U7 THROUGH U9					
	7406 TTL HEX INV	106-7039-000	04	01295	SN7406N
U10 THROUGH U13					
	40098 CMOS HEX INV	106-7069-000	04	07263	F40098BPC

6.3 PARTS LIST (cont.)

6.3.10 C-722/C-962 DISPLAY BOARD (A5) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
U14	7406 TTL HEX INV	106-7039-000	04	01295	SN7406N
U15	4008 CMOS 4 BIT ADDER	106-7060-000	01	02735	CD4008BE
U16	EAROM IC, TEMP SCREENED	106-7071-000	02	14936	ER2051
U17	EAROM IC, TEMP SCREENED	106-7071-000	02	14936	ER2051
	PC C-962 DISPLAY	108-6064-000	01	54001	
	PC C-962 LED'S	108-6065-000	01	54001	
	10 PIN DIP IC SOCKET	129-3014-001	07	54001	
	JACK, 24P, 90 DEG PC MTG	129-2063-024	01	22526	65588-136
	JACK, 23P, 90 DEG PC MTG	129-2064-023	01	22526	65580-136

6.3.11 C-722A/C-962A DISPLAY BOARD (A5)

A5	DISPLAY BD REV.D	300-2226-000	01	54001	
C1	CAP, TANT 1.0UF 35V	195-0107-035	01	31433	T110A105M035AS
C2	CAP, DISC-CER 0.01UF 50V	208-0011-000	01	71590	UK50-103
C3	CAP, MONO-CER 0.15UF X7R	209-4154-011	01	31433	C330C154K5R5CA
CR1	1N4002 RECTIFIER	106-5009-000	01	04713	1N4002
CR2	1N914	106-5007-000	02	07263	1N914
CR3	1N914	106-5007-000	02	07263	1N914
DS1 THROUGH DS7					
	DISPLAY, 7 SEG, LED	136-0025-000	07	28480	HDSP-3533
R1 THROUGH R45					
	RESISTOR, 68.1 OHM 1%	231-6812-021	45	91637	RN55D68.1F
R46 THROUGH R48					
	RESISTOR, 10K OHM 1/4W	230-0105-022	04	01121	RCR07G103KS
R49	RESISTOR, 47K OHM 1/4W	230-0475-022	01	01121	RCR07G473KS

C-722/C-722A/C-962/C-962A/C-962S

6.3 PARTS LIST (cont.)

6.3.11 C-722A/C-962A DISPLAY BOARD (A5) (cont.)

<u>CKT SYMBOL</u>	<u>DESCRIPTION</u>	<u>WULFSBERG PART NUMBER</u>	<u>ASSY QTY</u>	<u>VENDOR CODE</u>	<u>VENDOR PART NUMBER</u>
R50 THROUGH R52					
	RESISTOR PACK 10K OHM	234-0001-000	03	91637	MSP08A01-103G
R53	RESISTOR, 10K OHM 1/4W	230-0105-022	04	01121	RCR07G103KS
R54	RESISTOR, 4.7K OHM 1/4W	230-0474-022	01	01121	RCR07G472KS
U1 THROUGH U6					
	4511 CMOS 7 SEG DISP DRI	106-7057-000	06	02735	CD4511BE
U7 THROUGH U9					
	7406 TTL HEX INV	106-7039-000	04	01295	SN7406N
U10 THROUGH U13					
	40098 CMOS HEX INV	106-7069-000	04	07263	F40098BPC
U14	7406 TTL HEX INV	106-7039-000	04	01295	SN7406N
U15	4008 CMOS 4 BIT ADDER	106-7060-000	01	02735	CD4008BE
U16	EAROM IC, TEMP SCREENED	106-7071-000	02	14936	ER2051
U17	EAROM IC, TEMP SCREENED	106-7071-000	02	14936	ER2051
	PC C-962 LED'S	108-6065-000	01	54001	
	PC C-962A DISPLAY	108-6126-000	01	54001	
	10 PIN DIP IC SOCKET	129-3014-001	07	54001	
	JACK, 24P, 90 DEG PC MTG	129-2063-024	01	22526	65588-136
	JACK, 23P, 90 DEG PC MTG	129-2064-023	01	22526	65580-136

C-722/C-722A/C-962/C-962A/C-962S

SECTION 7

SERVICE INFORMATION

7.1 SERVICE BULLETIN/PRODUCT INFORMATION LETTER RECORD

NUMBER	ISSUED	MODULE	MODULE PART NUMBER	SUBJECT
SB1	11/7/79	N/A	400-0073-0X0	Dimmer Ckt.
SB2	2/23/83	C-722A/C-962A	400-0073-0X0 400-0084-0XX	Operation
PIL3	7/24/81	C-722/C-962	N/A	Thumbwheel Disable SW
PIL9	2/12/82	All Products	N/A	GES Leads
PIL16	5/9/83	All Products	N/A	Dip-mica Caps
PIL20	3/20/84	C-962A	N/A	Two controls with one RT-9600



WULFSBERG ELECTRONICS, INC.

11300 West 89th Street • Overland Park, Kansas 66214 • Telephone (913) 492-3000 Telex 424242 WULFSBERG OLPK

SERVICE BULLETIN

EQUIPMENT: C-962 Control

P/N 400-0073-000

NUMBER: 1

DATE: November 7, 1979

REASON: To correct potential improper operation of dimmer circuit.

MANPOWER: $\frac{1}{2}$ man hour

COMPLIANCE: Should be performed to all modules during routine service work.

EFFECTIVITY: All C-962s with serial #166 and higher have mod factory installed.

APPROVAL: Meets all requirements of applicable specifications.

REFERENCES: C-962 Maintenance Manual

MARKING: Mark out number 1 on mod status tag.

- SYMPTOM:
1. C-962 display becomes only slightly dimmer when panel lights are turned on.
 2. Using a C-962 control in a TC-96 and operating at 13.75 VDC, the C-962 display remains dim when the TC-96 "Lights" button is pressed.

MODIFICATION: Change R20 to 100 ohm.

Add R27, 1 Kohm, on the top of the power supply board between the emitter of Q4 and the leg of C14 which connects to I2 pin #1.

Add R28 on top of power supply board between junction of R26 and Q5's base, connect the other end to ground.

WULFSBERG ...The communications professionals

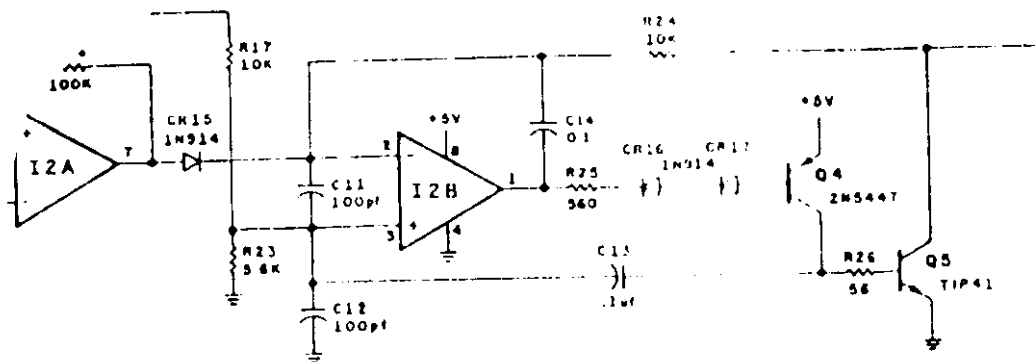
EQUIPMENT: C-962 Control

SERVICE BULLETIN #: 1

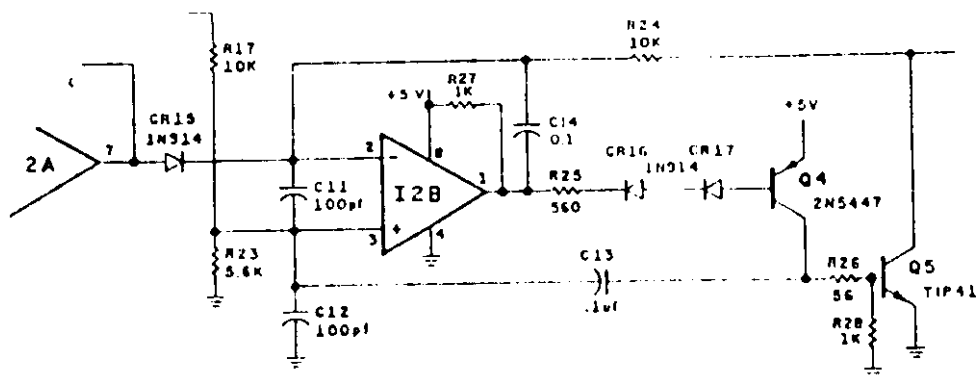
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				<u>LIST PRICE</u>
MATERIAL REQUIRED:	1 ea.	230-0103-022	100 ohm Resistor 10%	.20
	2 ea.	230-0104-022	1 Kohm Resistor 10%	.20

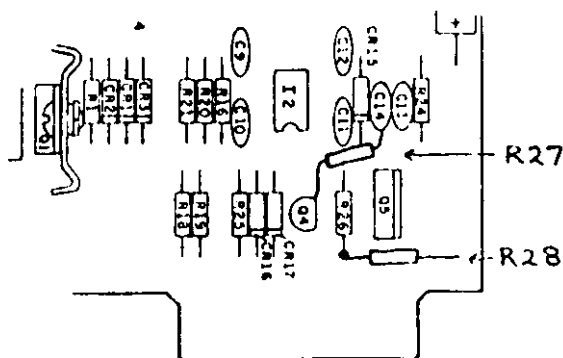
ADJUSTMENT PROCEDURE: No adjustment is required.



BEFORE



AFTER





WULFSBERG ELECTRONICS

SERVICE BULLETIN

EQUIPMENT: C-962A/C-722A

NUMBER: 2

DATE: 2/23/83

A potential operational problem exists in the C-962A/C-722A control units. This problem consists of the manual tone switch affecting the guard transmit tones which may be stored in the units memory.

Because of the extensive logic circuitry changes involved to remedy this problem, new P.C. board artwork has had to be made. These boards are identified by the following list and are not interchangeable with existing boards.

	<u>W.E.I. PART NUMBER</u>	<u>MOD STATUS I.D.</u>
DISPLAY BOARD	300-2226-000	1
LOGIC BOARD	300-2144-000	2
INTERCONNECT BOARD	300-2225-000	1

For easy external identification the frame of the C-962A/C-722A will be marked as follows:

	<u>W.E.I. PART NUMBER</u>	<u>MOD STATUS I.D.</u>
C-962A	400-0073-010/020/030	1
C-722A	400-0084-All Versions	1

C-962A/C-722A Mod 1 units are still directly interchangeable with existing installations.

This problem will never appear if the manual tone switch is left in the on position or if guard transmit tones are not needed. Please reference the mod status number when ordering future modules.



WULFSBERG ELECTRONICS

PRODUCT INFORMATION LETTER

APPLIES TO: C-962 / C-722 Control Heads

NUMBER: 3

DATE: 7-24-81

SUBJECT: Thumbwheel Disable Switch

New units delivered after April 1, 1981 will have another switch (S₁C) installed on the Logic Board with access to it provided by the hole already on the left side of each control head. This switch, when in the off position, disables the thumbwheels from having any effect on either the manual position or channel memories and allows the installer to completely control the frequencies to be used. Older units will not be modified.

To program a frequency, the thumbwheel switch disable (S₁C), located adjacent to the memory load switch, should be placed in the on position. Upon completion of the frequency change the switch should be returned to the off position.

Mod 1 on the Logic Board will identify this mod.



WULFSBERG ELECTRONICS

PRODUCT INFORMATION LETTER

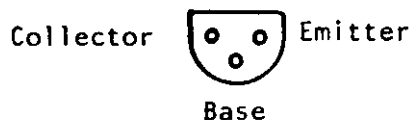
APPLIES TO: ALL WULFSBERG PRODUCTS
NUMBER: 9
DATE: 2-12-82
SUBJECT: TRANSISTOR LEAD CONFIGURATION
W.E.I. Part #106-0001-000

There are two different lead configurations for the 106-0001-000, depending on the manufacturer. In the past the TIS-98 was the primary part purchased, however, it has been discontinued by the manufacturer and the GES-98 is now being purchased.

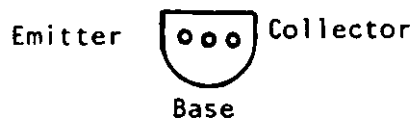
The GES-98 leads are preformed such that the two parts are interchangeable when inserted into a P.C. board. The flat side on the GES-98 will be opposite the flat side of the silkscreen on current P.C. boards.

Below are the lead configurations.

TIS-98



GES-98



Bottom Views

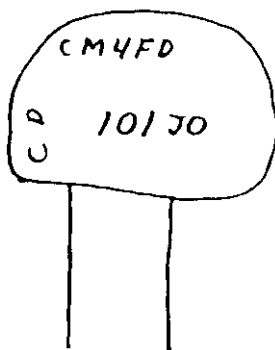


WULFSBERG ELECTRONICS

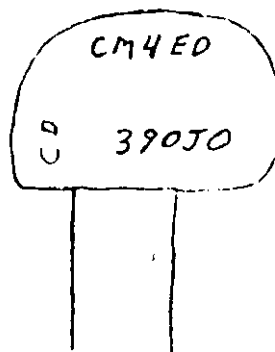
PRODUCT INFORMATION LETTER

APPLIES TO: ALL W.E.I. PRODUCTS
NUMBER: 16
DATE: 5/9/83
SUBJECT: DEFECTIVE 100pf AND 39pf DIP MICA CAPACITORS

During the first few months of 1983 many problems were found and traced to 100pf and 39pf dip mica capacitors manufactured by Cornell-Dubilier. These capacitors have a dissipation problem where they will shift in the circuits in which they are used, many times as tuning components. If a capacitor is suspect and marked as shown, it should be replaced.



100pf



39pf



WULFSBERG ELECTRONICS

PRODUCT INFORMATION LETTER

APPLIES TO: RT-9600 and C-962A

NUMBER: 20

DATE: March 20, 1984

SUBJECT: USE OF TWO C-962A CONTROLS WITH ONE RT-9600

In a response to Dornier who wants to provide either pilot or operator control of the RT-9600, Engineering has come up with the following solution:

Every connection used on the C-962A #1 box is connected to the same pin on the #2 box except for

- | | |
|------------|-----------------------|
| a. Pin #19 | Control Power |
| b. Pin #3 | Main Volume |
| c. Pin #2 | Guard Volume |
| d. Pin #6 | Guard Select |
| e. Pin #27 | Transmit Power Select |
| f. Pin #28 | PTT |

These pins are switched between controls either by a 6 pole DT relay or switch. Cutler Hammer makes an excellent toggle switch which is ideal for this use.