

**BARCO PROJECTION SYSTEMS**



**BARCO** DATA  
800

90 00540 (220V AC)

90 00549 (110V AC)

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BARCO PROJECTION SYSTEMS



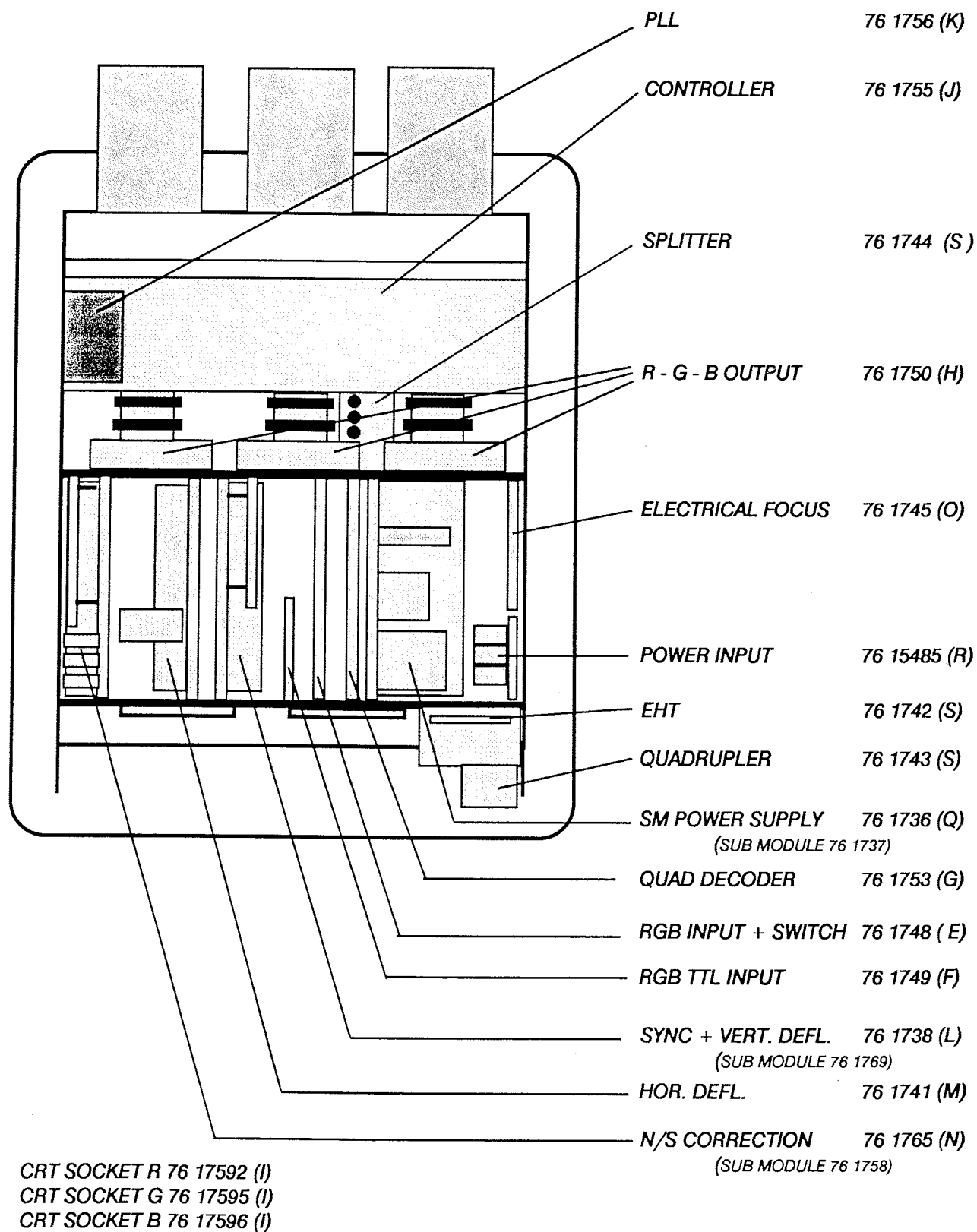
**BARCO** DATA  
800

90 00540 (220V AC)

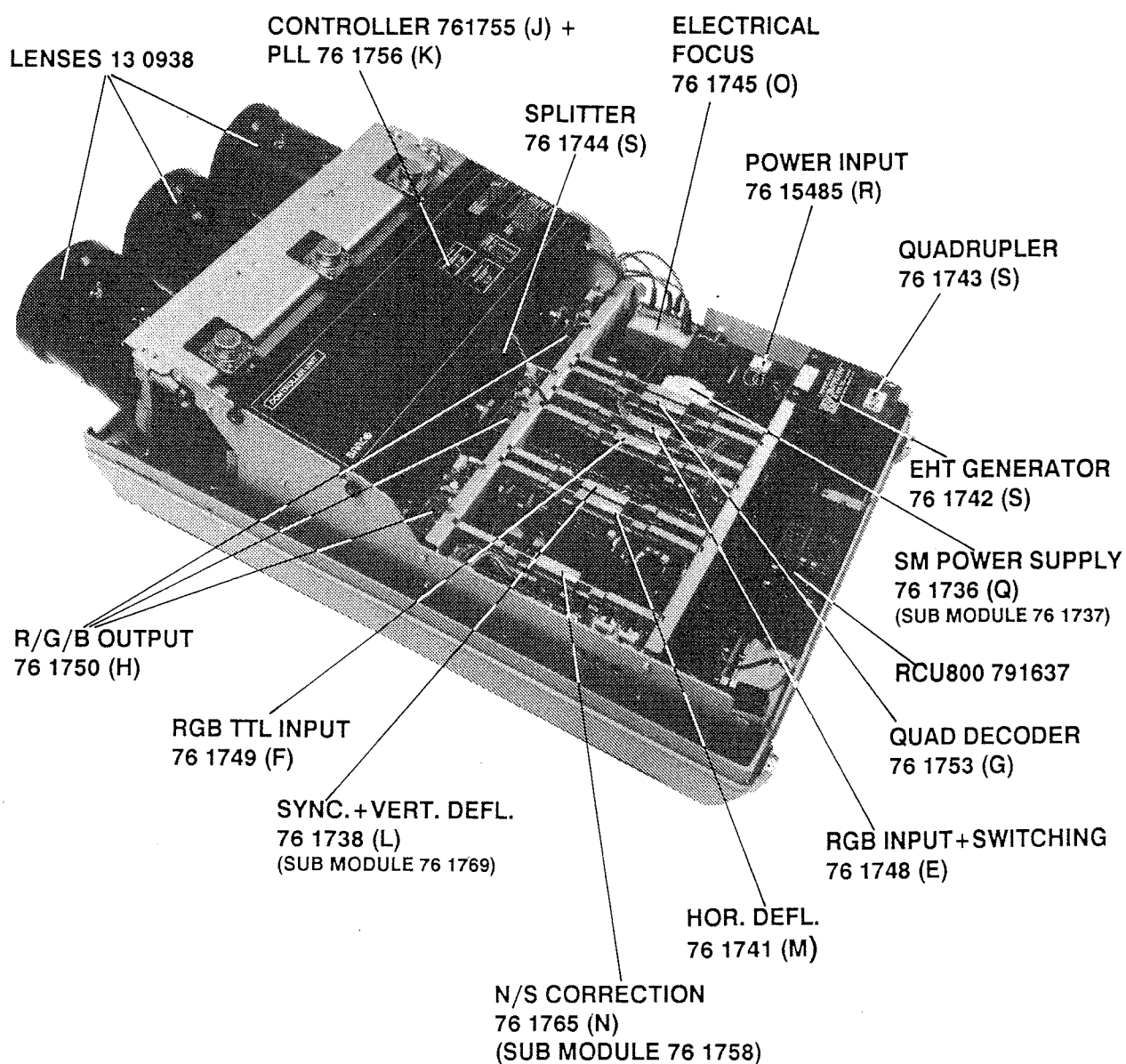
90 00549 (110V AC)

PARTS LIST ON BOARD LEVEL

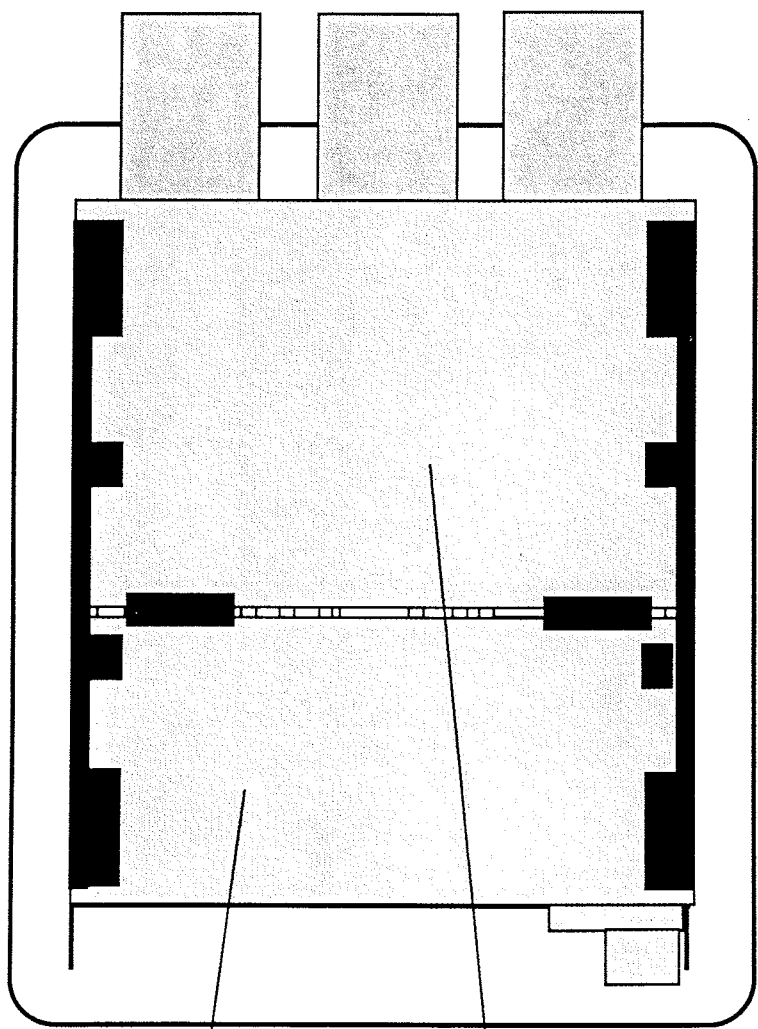
**PROJECTOR**  
TOP VIEW



**PROJECTOR**  
TOP VIEW



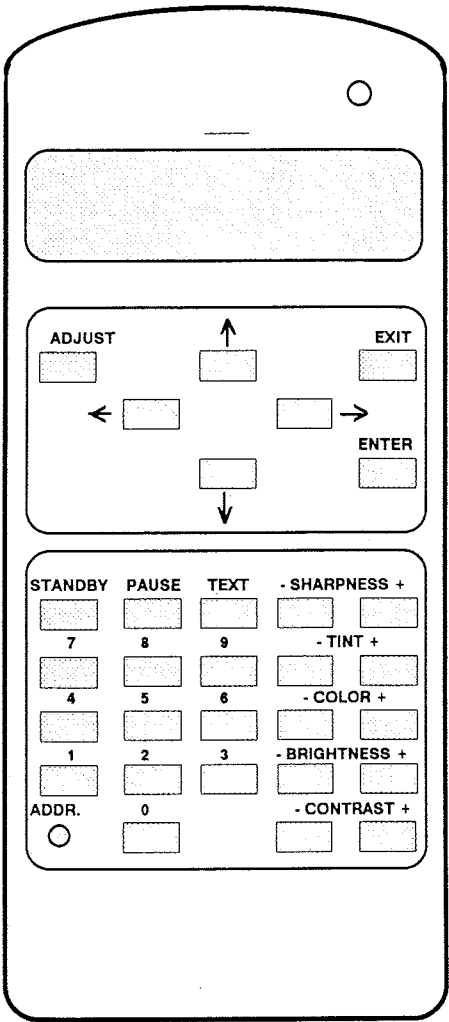
**PROJECTOR**  
BOTTOM VIEW



CONVERGENCE 76 1772 (P)

FRAME 76 1735 (T)

**TRANSMITTER 79 1636**  
(D)



80 2606	4020	FRAME PJ 49 CONV FIX BRACKET	59 3361	9002	BOX 0201 580X105X120 SOS
36 20226	4021	SCREW DIN84 M 3 X 8 MP-	73 2132	9010	BOX FIT MULTIPL 1020X610 GR800
36 7502	4022	WASHER DIN6798 A 3,2	36 23772	9011	SCREW DIN933 M 8 X30 MPH
80 2614	50.1	FRAME PJ 49 CTRL UP	36 6245	9012	NUT DIN985 M 8 LOCK
72 2226	50.2	FIX PJ 49 CTRL CABLE	36 7382	9013	WASHER DIN125 B 8,4
80 2349	5000	SPRING PJ 45 MAINS CORD 326103	36 73823	9014	WASHER DIA 8,25X22,3 T1,5
80 2647	5001	WASHER PJ 49 CTRL	80 1621	9020	BOX FIT CORNER EPERAN 150X100
36 20526	5002	SCREW DIN84 M 4 X10 MP-	80 1733	9021	BOX FIT EPERAN L 150X150X50
32 6103	5010	CORD MAINS 3X0,75MM2 2XEUR	59 3568	9030	BOX FIT PEF 1850X1600X1,5
34 8024	60..	FASTENER CABLE	59 3010	9040	BAG PE 120X 80X 0,07
34 8024	6001	FASTENER CABLE	80 2983	9041	WASHER DIA 5,5 X15 T0,68 AL
34 8087	6002	FASTENER WIRE SLCSE DIA12	80 2984	9042	WASHER DIA 5,5 X15 T2,34 AL
59 3598	9000	BOX 0201 1120X440X710 TW1000	80 2985	9043	WASHER DIA 5,5 X15 T0,95 AL
59 3599	9001	BOX 0904 1017X607X383 HOHOH			

**PARTSLISTING ON BOARD LEVEL**

76 15485	2060	UN MAINS PJ 49 GR800 INP	76 1749	2100	UN INP PJ 49 GR800 TTL
76 1734	3000	UN FRAME PJ 49 CPL D800	76 1750	2110	UN RGB PJ 49 GR800 OUTPUT
76 1735	16..	UN FRAME PJ 49 -UN D800	76 1753	2040	UN DEC PJ 49 GR800 Q
76 1736	2050	UN SMP PJ 49 D800	76 1755	50..	UN CTRL PJ 49 D800
76 1738	2020	UN VER+SYN PJ 49 D800	76 17602	11..	UN CRT PJ 49 07MP DEF D800 R
76 1741	2010	UN HOR PJ 49 D800	76 17605	11.1	UN CRT PJ 49 07MP DEF D800 G
76 1742	2080	UN EHT PJ 49 GR800	76 17606	11.2	UN CRT PJ 49 07MP DEF D800 B
76 1743	2090	UN EHT PJ 49 GR800 QUADRUPLER	76 1765	20..	UN N-S PJ 49 GR800
76 1744	3070	UN EHT PJ 49 GR800 SPLITTER	76 1772	40..	UN CONV PJ 49 GR800
76 1745	2070	UN FOC CTRL PJ 49 GR800	76 1781	2140	UN REC PJ 49 GR800 REAR
76 1748	2030	UN INP PJ 49 GR800 RGB+ SWITCH			

**PARTSLISTING ON COMPONENT LEVEL**

59 75044		MAN OWNERS PJ D800	36 20226	1620	SCREW DIN84 M 3 X 8 MP-
59 75054		MAN INST PJ 49 D800	36 7502	1621	WASHER DIN6798 A 3,2
59 75114		LABEL PJ BARCODATA800	80 2609	1625	FRAME PJ 49 CONV SPRING
39 5307		TAPE RUBBER 6X3 BLA	36 7455	1626	RIVET P AL FE TAP/D/BS46 D3,2
13 0938	10..	LENS USPL HD8	36 23265	1630	SCREW DIN933 M 4 X10 TWOLOK
72 2200	1000	CASE PJ 49 CASE UP	36 6104	1631	NUT DIN934 M 5 HEXAGON
72 1721	1010	HINGE PJ 43 CASE	80 2697	1640	FRAME PJ 49 HD8 CRT/UN RIGHT
36 23348	1010	SCREW DIN933 M 5 X20 MPH	36 23265	1641	SCREW DIN933 M 4 X10 TWOLOK
80 0307	1011	HINGE PJ 43 PLATE FIX	31 3329	1642	BUSHING SNAP DIA30,15/24
36 73796	1011	WASHER DIN125 A 5,3	72 2241	1643	GUID PJ 49 PCB LONG
36 19265	1012	SCREW DIN965 M 4 X16 MC+	36 7456	1644	RIVET AL FE TAP/D/BS48 D3,2
80 0308	1013	HINGE PJ 43 PIN	72 1560	1645	GUID PJ PCB SHORT
80 2771	1020	SCREEN PJ 49 GR800 CASE INOX	36 7456	1646	RIVET AL FE TAP/D/BS48 D3,2
80 2797	1030	WINDOW PJ 49 CASE UP	80 2776	1650	SCREW SC M5 H8 PJ 49 FRAME-CAS
34 8085	1040	FASTENER PJ 49 NPL	80 2695	17..	REM CTRL PJ 49 CASE CPL
72 2268	1050	CASE PJ 49 CASE UP IR CAP	80 2639	1720	CASE PJ 49 BOX CSB TURN PIN
80 0316	1060	BOX FIT FOAM CASE 43	80 2694	1721	REM CTRL PJ 49 FIX RUBBER
80 2698	14..	FRAME PJ 49 HD8 PLATE DOWN	36 6103	1730	NUT DIN934 M 4 HEXAGON
80 2743	1420	FRAME PJ 49 HD8 NUT FIX LEFT	36 7503	1731	WASHER DIN6798 A 4,3
80 2748	1421	FRAME PJ 49 HD8 NUT LOCKING	80 2510	1732	WASHER DIA 4,5 X18 T2 *MS
80 2742	1422	FRAME PJ 49 HD8 NUT	72 2201	19..	CASE PJ 49 CASE DOWN
36 7457	1423	RIVET P AL FE TAP/D/BS410 D3,2	36 23335	1901	SCREW DIN933 M 5 X16 TWOLOK
80 2685	1424	FRAME PJ 49 HD8 SCREW SHORT	36 23335	1902	SCREW DIN933 M 5 X16 TWOLOK
80 2744	1430	FRAME PJ 49 HD8 NUT FIX RIGHT	36 23335	1903	SCREW DIN933 M 5 X16 TWOLOK
80 2748	1431	FRAME PJ 49 HD8 NUT LOCKING	80 2600	1910	FRAME PJ 49 CASE BASE PLATE
80 2742	1432	FRAME PJ 49 HD8 NUT	72 1721	1911	HINGE PJ 43 CASE
36 7457	1433	RIVET P AL FE TAP/D/BS410 D3,2	80 0307	1912	HINGE PJ 43 PLATE FIX
80 2685	1434	FRAME PJ 49 HD8 SCREW SHORT	36 19265	1913	SCREW DIN965 M 4 X16 MC+
80 2682	1450	SCREW PJ 49 FIX LENS	80 2624	1920	REM CTRL PJ 49 MOUNTING PLATE
80 2746	1470	FRAME PJ 49 HD8 PL SOLID R	36 1915	1921	SCREW DIN965 M 3 X12 MC+
36 23265	1471	SCREW DIN933 M 4 X10 TWOLOK	36 26696	1922	SCREW DIN921 M 3 X 8 MP-
31 3329	1472	BUSHING SNAP DIA30,15/24	80 2673	1923	WASHER DIA16 X 4 T1,5 MS
80 2747	1480	FRAME PJ 49 HD8 PL SOLID L	80 2863	1924	REM CTRL PJ 49 INTERMED PLATE
36 23265	1481	SCREW DIN933 M 4 X10 TWOLOK	36 7355	1925	WASHER DIN2093 12,5X6,2X0,7
31 3329	1482	BUSHING SNAP DIA30,15/24	36 6102	1926	NUT DIN934 M 3 HEXAGON
80 2745	1490	FRAME PJ 49 HD8 FIX SPLITTER	72 2258	2000	NPL PJ 49 D800
36 23265	1491	SCREW DIN933 M 4 X10 TWOLOK	80 2881	2001	NPL PJ 49 GR800 HINGE
36 23278	1492	SCREW DIN933 M 4 X12 MPH	36 26696	2061	SCREW DIN921 M 3 X 8 MP-
36 73786	1493	WASHER DIN125 B 4,3	36 26696	2071	SCREW DIN921 M 3 X 8 MP-
80 2906	15..	FRAME PJ 49 HD8 PLATE UP D800	36 26696	2081	SCREW DIN921 M 3 X 8 MP-
36 23265	1501	SCREW DIN933 M 4 X10 TWOLOK	79 1636	2120	UN TRAMIT PJ 49 IR RCU800
36 23335	1502	SCREW DIN933 M 5 X16 TWOLOK	79 1637	2130	UN TRAMIT PJ 49 WIRE RCU800
80 2696	1610	FRAME PJ 49 HD8 UN/CRT LEFT 07	72 2276	22..	LOCK PJ 49 PCB CPL
36 23265	1611	SCREW DIN933 M 4 X10 TWOLOK	36 7435	2210	RIVET P AL AL AD34ABS D2,4
36 20226	1612	SCREW DIN84 M 3 X 8 MP-	80 2877	2220	LOCK PJ 49 PCB TTL PRINT
36 75256	1613	WASHER DIA 3,1 X 6,2 T0,6 J	36 7434	2221	RIVET P AL AL AD32ABS D2,4
72 2241	1614	GUID PJ 49 PCB LONG	36 7448	2222	RIVET P AL AL AD36ABS D2,4
36 7456	1615	RIVET AL FE TAP/D/BS48 D3,2	36 23278	3071	SCREW DIN933 M 4 X12 MPH
72 1560	1616	GUID PJ PCB SHORT	36 7452	4010	RIVET P AL FE TAP/D/BS329 D2,4
36 7456	1617	RIVET AL FE TAP/D/BS48 D3,2	80 2675	4010	FRAME PJ 49 CONV FIX BRACK R
36 20236	1618	SCREW DIN84 M 3 X10 MP-	36 20226	4011	SCREW DIN84 M 3 X 8 MP-
36 7502	1619	WASHER DIN6798 A 3,2	36 7502	4012	WASHER DIN6798 A 3,2



ART NO.	DESCRIPTION	QUANTITY	ART NO.	DESCRIPTION	QUANTITY
13 0938	LENS USPL HD8	3	72 1721	HINGE PJ 43 CASE	4
31 3329	BUSHING SNAP DIA30,15/24	3	72 2200	CASE PJ 49 CASE UP	1
32 6103	CORD MAINS 3X0,75MM2 2XEUR	1	72 2201	CASE PJ 49 CASE DOWN	1
34 8024	FASTENER CABLE	8	72 2226	FIX PJ 49 CTRL CABLE	2
34 8085	FASTENER PJ 49 NPL	2	72 2241	GUID PJ 49 PCB LONG	2
34 8087	FASTENER WIRE SLCSE DIA12	2	72 2258	NPL PJ 49 D800	1
			72 2268	CASE PJ 49 CASE UP IR CAP	1
			72 2276	LOCK PJ 49 PCB CPL	7
			73 2132	BOX FIT MULTIPL 1020X610 GR800	1
36 1915	SCREW DIN965 M 3 X12 MC+	1	80 0307	HINGE PJ 43 PLATE FIX	4
36 19265	SCREW DIN965 M 4 X16 MC+	12	80 0308	HINGE PJ 43 PIN	2
36 20226	SCREW DIN84 M 3 X 8 MP-	8	80 0316	BOX FIT FOAM CASE 43	1
36 20236	SCREW DIN84 M 3 X10 MP-	1	80 1621	BOX FIT CORNER EPERAN 150X100	4
36 20526	SCREW DIN84 M 4 X10 MP-	4	80 1733	BOX FIT EPERAN L 150X150X50	3
36 23265	SCREW DIN933 M 4 X10 TWOLOK	50	80 2349	SPRING PJ 45 MAINS CORD 326103	1
36 23278	SCREW DIN933 M 4 X12 MPH	4	80 2510	WASHER DIA 4,5 X18 T2 *MS	1
36 23335	SCREW DIN933 M 5 X16 TWOLOK	16	80 2600	FRAME PJ 49 CASE BASE PLATE	1
36 23348	SCREW DIN933 M 5 X20 MPH	12	80 2606	FRAME PJ 49 CONV FIX BRACKET	1
36 23772	SCREW DIN933 M 8 X30 MPH	4	80 2609	FRAME PJ 49 CONV SPRING	1
36 26696	SCREW DIN921 M 3 X 8 MP-	8	80 2614	FRAME PJ 49 CTRL UP	1
36 6102	NUT DIN934 M 3 HEXAGON	1	80 2624	REM CTRL PJ 49 MOUNTING PLATE	1
36 6103	NUT DIN934 M 4 HEXAGON	1	80 2639	CASE PJ 49 BOX CSB TURN PIN	1
36 6104	NUT DIN934 M 5 HEXAGON	2	80 2647	WASHER PJ 49 CTRL	4
36 6245	NUT DIN985 M 8 LOCK	4	80 2673	WASHER DIA16 X 4 T1,5 MS	1
36 7355	WASHER DIN2093 12,5X6,2X0,7	1	80 2675	FRAME PJ 49 CONV FIX BRACK R	1
36 73786	WASHER DIN125 B 4,3	2	80 2682	SCREW PJ 49 FIX LENS	2
36 73796	WASHER DIN125 A 5,3	12	80 2685	FRAME PJ 49 HD8 SCREW SHORT	2
36 7382	WASHER DIN125 B 8,4	4	80 2694	REM CTRL PJ 49 FIX RUBBER	2
36 73823	WASHER DIA 8,25X22,3 T1,5	4	80 2695	REM CTRL PJ 49 CASE CPL	1
36 7434	RIVET P AL AL AD32ABS D2,4	1	80 2696	FRAME PJ 49 HD8 UN/CRT LEFT 07	1
36 7435	RIVET P AL AL AD34ABS D2,4	14	80 2697	FRAME PJ 49 HD8 CRT/UN RIGHT	1
36 7448	RIVET P AL AL AD36ABS D2,4	1	80 2698	FRAME PJ 49 HD8 PLATE DOWN	1
36 7452	RIVET P AL FE TAP/D/BS329 D2,4	2	80 2742	FRAME PJ 49 HD8 NUT	2
36 7455	RIVET P AL FE TAP/D/BS46 D3,2	2	80 2743	FRAME PJ 49 HD8 NUT FIX LEFT	1
36 7456	RIVET AL FE TAP/D/BS48 D3,2	24	80 2744	FRAME PJ 49 HD8 NUT FIX RIGHT	1
36 7457	RIVET P AL FE TAP/D/BS410 D3,2	4	80 2745	FRAME PJ 49 HD8 FIX SPLITTER	1
36 7502	WASHER DIN6798 A 3,2	7	80 2746	FRAME PJ 49 HD8 PL SOLID R	1
36 7503	WASHER DIN6798 A 4,3	1	80 2747	FRAME PJ 49 HD8 PL SOLID L	1
36 75256	WASHER DIA 3,1 X 6,2 T0,6 J	2	80 2748	FRAME PJ 49 HD8 NUT LOCKING	2
39 5307	TAPE RUBBER 6X3 BLA	1	80 2771	SCREEN PJ 49 GR800 CASE INOX	1
59 3010	BAG PE 120X 80X 0,07	1	80 2776	SCREW SC M5 H8 PJ 49 FRAME-CAS	2
59 3361	BOX 0201 580X105X120 SOS	1	80 2797	WINDOW PJ 49 CASE UP	1
59 3568	BOX FIT PEF 1850X1600X1,5	1	80 2863	REM CTRL PJ 49 INTERMED PLATE	1
59 3598	BOX 0201 1120X440X710 TW1000	1	80 2877	LOCK PJ 49 PCB TTL PRINT	1
59 3599	BOX 0904 1017X607X383 HOHOH	1	80 2881	NPL PJ 49 GR800 HINGE	2
59 75044	MAN OWNERS PJ D800	1	80 2906	FRAME PJ 49 HD8 PLATE UP D800	1
59 75054	MAN INST PJ 49 D800	1	80 2983	WASHER DIA 5,5 X15 T0,68 AL	4
59 75114	LABEL PJ BARCODATA800	1	80 2984	WASHER DIA 5,5 X15 T2,34 AL	6
			80 2985	WASHER DIA 5,5 X15 T0,95 AL	6
72 1560	GUID PJ PCB SHORT	4			

# FAILURE

# I<sup>2</sup>C ERROR

## Vertical deflection + sync module 76 1768

HEX address	IC	CORRECTION
F2H	IC3	top blanking vertical shift red vertical shift green vertical shift blue
F4H	IC2	vertical amplitude vertical linearity horizontal phase bottom blanking
F6H	IC1	keystone skew bow vertical centerline bow

## N-S corrections + hor. shift 76 1765

HEX address	IC	CORRECTION
F8H	IC200	top bow red bottom bow red top keystone red bottom keystone red
FAH	IC201	top bow green bottom bow green top keystone green bottom keystone green
FCH	IC202	top bow blue bottom bow blue top keystone blue bottom keystone blue
FEH	IC203	centerline bow blue centerline bow red centerline bow green horizontal amplitude
F0H	IC400	horizontal shift red horizontal shift green horizontal shift blue not used

## Quad decoder module 76 1753

HEX address	IC	CORRECTION
58H	IC3	saturation R-Y saturation B-Y tint sharpness
5AH	IC5	contrast brightness blanking left blanking right

## RGB in + RGB switching module 76 1748

HEX address	IC	CORRECTION
70H	IC2	red on/off green on/off blue on/off sync fast/slow input video input s-video input RGB TTL input RGSB analog input RGBS analog internal pattern

SEE NEXT PAGES FOR LOCATION ON  
BOARD LEVEL OF THE INDICATED IC's

*The BARCODATA 800 is factory optimized for a screen with range 1.9m to 3.2m.*

You wish an optimal focused image  
for a screen width between 1.2m to 1.9m  
or between 3.2m and 6m ?

then,

read the following pages

The total screen width range is divided into 3 screen width ranges. Within these ranges, the focus can be optimal adjusted.

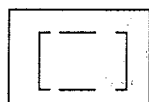
These ranges are :

range 1 : 1.20 m to 1.90 m

range 2 : 1.90 m to 3.20 m

range 3 : 3.20 m to 6.00 m

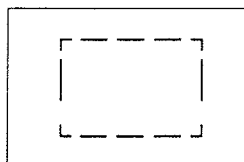
range 1  
min. SW : 1.20 m  
max. SW : 1.90 m



mechanical modification



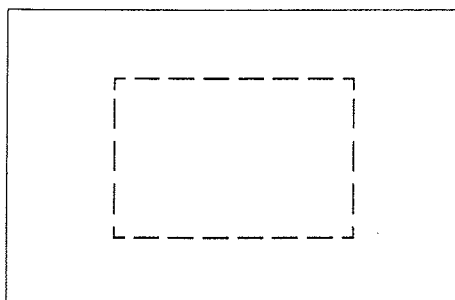
range 2  
min. SW : 1.90 m  
max. SW : 3.20 m



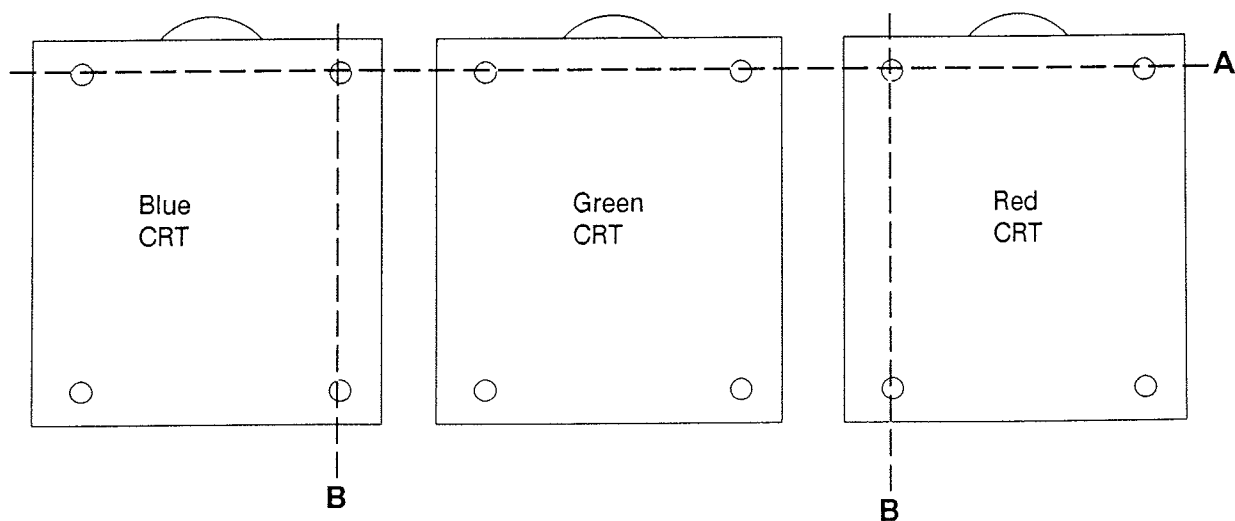
mechanical modification



range 3  
min. SW : 3.20 m  
max. SW : 6.00 m



Change washers as follow :



Add washers as mentioned in next table.

	line A	line B
Range 1 1.2m-1.9m	Brown	Black
Range 2 1.9m-3.2m	entire Black	Grey
Range 3 3.2m-6.0m	-	White

e.g. : range 1 :

Blue tube : top screws (line A) ---> Brown washer  
right screws (line B) ---> Black washer

--> the right top screw must have two washer.

Green tube : top screws (line A) ---> Brown washer

Red tube : top screws (line A) ---> Brown washer  
left screws (line B) ---> Black washer

# CONTROLLER MODULE

76 1755

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 2774	C..1	CAP CE MI 100K U5 63	13 1621	D..4	DIODE 1N4148 SWITCH
11 2774	C..2	CAP CE MI 100K U5 63	13 1621	D..5	DIODE 1N4148 SWITCH
11 2774	C..3	CAP CE MI 100K U5 63	13 1621	D..6	DIODE 1N4148 SWITCH
11 2774	C..4	CAP CE MI 100K U5 63	13 1621	D..7	DIODE 1N4148 SWITCH
11 2774	C..5	CAP CE MI 100K U5 63	13 1621	D..8	DIODE 1N4148 SWITCH
11 2774	C..6	CAP CE MI 100K U5 63	13 1621	D..9	DIODE 1N4148 SWITCH
11 2774	C..7	CAP CE MI 100K U5 63	13 1621	D.10	DIODE 1N4148 SWITCH
11 2774	C..8	CAP CE MI 100K U5 63	13 1621	D.11	DIODE 1N4148 SWITCH
11 2774	C..9	CAP CE MI 100K U5 63	13 1621	D.12	DIODE 1N4148 SWITCH
11 2774	C.10	CAP CE MI 100K U5 63	13 1621	D.13	DIODE 1N4148 SWITCH
11 2774	C.12	CAP CE MI 100K U5 63	13 1621	D.14	DIODE 1N4148 SWITCH
11 2774	C.13	CAP CE MI 100K U5 63	13 1621	D.15	DIODE 1N4148 SWITCH
11 2774	C.14	CAP CE MI 100K U5 63	13 1621	D.16	DIODE 1N4148 SWITCH
11 2774	C.15	CAP CE MI 100K U5 63	13 1621	D.17	DIODE 1N4148 SWITCH
11 2774	C.16	CAP CE MI 100K U5 63	13 1662	D.18	DIODE CQY54-A3 LED D3 RED
11 2774	C.17	CAP CE MI 100K U5 63	13 1662	D.19	DIODE CQY54-A3 LED D3 RED
11 2739	C.18	CAP CE MI 1K K5 63	13 1662	D.20	DIODE CQY54-A3 LED D3 RED
11 2774	C.19	CAP CE MI 100K U5 63	13 1662	D.21	DIODE CQY54-A3 LED D3 RED
11 2774	C.20	CAP CE MI 100K U5 63	13 1662	D.22	DIODE CQY54-A3 LED D3 RED
11 2774	C.21	CAP CE MI 100K U5 63	13 1662	D.23	DIODE CQY54-A3 LED D3 RED
11 2774	C.22	CAP CE MI 100K U5 63	13 1662	D.24	DIODE CQY54-A3 LED D3 RED
11 2774	C.23	CAP CE MI 100K U5 63	13 1662	D.25	DIODE CQY54-A3 LED D3 RED
11 2774	C.24	CAP CE MI 100K U5 63	13 1621	D.26	DIODE 1N4148 SWITCH
11 2774	C.25	CAP CE MI 100K U5 63	13 1621	D.27	DIODE 1N4148 SWITCH
11 2774	C.26	CAP CE MI 100K U5 63	13 1621	D.28	DIODE 1N4148 SWITCH
11 2774	C.27	CAP CE MI 100K U5 63	13 1621	D.29	DIODE 1N4148 SWITCH
11 2774	C.28	CAP CE MI 100K U5 63	13 1621	D.30	DIODE 1N4148 SWITCH
11 1476	C.29	CAP ELPR 47M Z5 25	13 1621	D.31	DIODE 1N4148 SWITCH
11 2774	C.30	CAP CE MI 100K U5 63	13 1621	D.32	DIODE 1N4148 SWITCH
11 2774	C.31	CAP CE MI 100K U5 63	13 1621	D.33	DIODE 1N4148 SWITCH
11 3726	C.32	CAP POME 150K K5 63	13 1621	D.34	DIODE 1N4148 SWITCH
11 2774	C.34	CAP CE MI 100K U5 63	13 1621	D.35	DIODE 1N4148 SWITCH
11 2774	C.35	CAP CE MI 100K U5 63	13 1621	D.36	DIODE 1N4148 SWITCH
11 2774	C.36	CAP CE MI 100K U5 63	13 1621	D.37	DIODE 1N4148 SWITCH
11 2774	C.37	CAP CE MI 100K U5 63	13 1621	D.38	DIODE 1N4148 SWITCH
11 2774	C.38	CAP CE MI 100K U5 63	13 1621	D.39	DIODE 1N4148 SWITCH
11 2774	C.39	CAP CE MI 100K U5 63	13 1621	D.40	DIODE 1N4148 SWITCH
11 2364	C.40	CAP N750MI 150P J5 63	13 1621	D.41	DIODE 1N4148 SWITCH
11 2774	C.41	CAP CE MI 100K U5 63	13 1621	D.42	DIODE 1N4148 SWITCH
11 2739	C.42	CAP CE MI 1K K5 63	13 1621	D.43	DIODE 1N4148 SWITCH
11 2774	C.43	CAP CE MI 100K U5 63	13 1621	D.44	DIODE 1N4148 SWITCH
11 2774	C.45	CAP CE MI 100K U5 63	13 1621	D.45	DIODE 1N4148 SWITCH
11 2774	C.46	CAP CE MI 100K U5 63	13 1621	D.46	DIODE 1N4148 SWITCH
11 2774	C.47	CAP CE MI 100K U5 63	13 1621	D.47	DIODE 1N4148 SWITCH
11 2774	C.48	CAP CE MI 100K U5 63	13 1621	D.48	DIODE 1N4148 SWITCH
11 2774	C.50	CAP CE MI 100K U5 63	13 1621	D.49	DIODE 1N4148 SWITCH
11 2774	C.51	CAP CE MI 100K U5 63	13 1621	D.50	DIODE 1N4148 SWITCH
11 2774	C.52	CAP CE MI 100K U5 63	13 1621	D.51	DIODE 1N4148 SWITCH
11 2774	C.53	CAP CE MI 100K U5 63	13 1621	D.52	DIODE 1N4148 SWITCH
11 2774	C.54	CAP CE MI 100K U5 63	13 1621	D.53	DIODE 1N4148 SWITCH
11 1546	C.55	CAP ELPRMI 1M M5 50	13 1621	D.54	DIODE 1N4148 SWITCH
11 2387	C.57	CAP N152MI 470P J5 63	13 1621	D.55	DIODE 1N4148 SWITCH
11 1546	C.58	CAP ELPRMI 1M M5 50	13 1621	D.56	DIODE 1N4148 SWITCH
11 37121	C.59	CAP POME 10K K5 100	13 1621	D.57	DIODE 1N4148 SWITCH
11 3724	C.60	CAP POME 100K K5 63	13 1621	D.58	DIODE 1N4148 SWITCH
11 1477	C.61	CAP ELPR 100M Z5 25	13 1621	D.59	DIODE 1N4148 SWITCH
11 3730	C.62	CAP POME 330K K5 63	13 1621	D.60	DIODE 1N4148 SWITCH
11 1477	C.63	CAP ELPR 100M Z5 25	13 1621	D.61	DIODE 1N4148 SWITCH
11 1465	C.64	CAP ELPR 47M Z5 16	13 1621	D.62	DIODE 1N4148 SWITCH
11 3730	C.65	CAP POME 330K K5 63	13 1621	D.63	DIODE 1N4148 SWITCH
11 1477	C.66	CAP ELPR 100M Z5 25	13 1621	D.64	DIODE 1N4148 SWITCH
11 3730	C.67	CAP POME 330K K5 63	13 1621	D.65	DIODE 1N4148 SWITCH
11 3730	C.68	CAP POME 330K K5 63	13 1621	D.66	DIODE 1N4148 SWITCH
13 1621	D..1	DIODE 1N4148 SWITCH	13 1621	D.67	DIODE 1N4148 SWITCH
13 1621	D..2	DIODE 1N4148 SWITCH	13 1621	D.68	DIODE 1N4148 SWITCH
13 1621	D..3	DIODE 1N4148 SWITCH	13 1621	D.69	DIODE 1N4148 SWITCH
			13 1621	D.70	DIODE 1N4148 SWITCH

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ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
13 1621	D.71	DIODE 1N4148 SWITCH	31 3925	J..1	CONN CT-MT MBT P 5
13 1621	D.72	DIODE 1N4148 SWITCH	31 3928	J2..	CONN CT-MT MBT P 8
13 1621	D.73	DIODE 1N4148 SWITCH	31 3927	J3..	CONN CT-MT MBT P 7
13 1621	D.74	DIODE 1N4148 SWITCH	31 3926	J5..	CONN CT-MT MBT P 6
13 1662	D.75	DIODE CQY54-A3 LED D3 RED	31 3952	J7..	CONN CT-MT MBS P12
13 1662	D.76	DIODE CQY54-A3 LED D3 RED	31 3955	J8..	CONN CT-MT MBS P15
13 1621	D.77	DIODE 1N4148 SWITCH			
13 1636	D.79	DIODE BAT43,(85) SCHOTTKY	77 3215	L..1	COIL CHOKE SMP
13 1621	D.80	DIODE 1N4148 SWITCH	77 3028	L..2	COIL CHOKE SMP TV 31
13 1621	D.81	DIODE 1N4148 SWITCH	77 3215	L..3	COIL CHOKE SMP
13 1621	D.82	DIODE 1N4148 SWITCH			
			71 6552	PC..	PC PJ 49 CTRL *800 761773
13 7192	I..1	IC 8284A CLOCK GEN,DRIV CPU			
13 7191	I..2	IC 8088 CPU	13 14182	Q..1	TSTR BC559C,BC309C P 30 / 0A1
13 7274	I..3	IC 8256AH MUART	13 1411	Q..2	TSTR BC549C,BC239C N 30 / 0A1
13 7002	I..4	IC 74HCT573 OCT LATCH	13 14071	Q..3	TSTR BC547B,BC237B N 45 / 0A1
13 7518	I..5	IC 74LS375 4B BISTABLE LATCH			
32 8055	I..6	IC SOFT CTRL DADEC V100 137530	10 1133	R..1	RES CF 560E J 0W25
13 7271	I..7	IC 6264-150NS RAM	10 1133	R..2	RES CF 560E J 0W25
13 7184	I..8	IC 28C64 EPROM	10 1169	R..3	RES CF 560K J 0W25
32 80561	I..9	IC SOFT CTRL DCTRL V103 137185	10 1136	R..4	RES CF 1K J 0W25
13 7000	I..10	IC 74HCT646 OCT BUS TRANC/REG	10 1120	R..5	RES CF 47E J 0W25
13 7541	I..11	IC 74HCT175 QUAD D FLIP FLOP	10 1138	R..6	RES CF 1K5 J 0W25
13 7005	I..12	IC 74HCT03 QUAD 2NAND GATE	10 1138	R..7	RES CF 1K5 J 0W25
13 7546	I..13	IC 74HCT32 QUAD 2I OR GATE	10 1120	R..8	RES CF 47E J 0W25
13 7562	I..14	IC 74HCT393 DUAL BIN COUNT	10 1145	R..9	RES CF 5K6 J 0W25
32 8057	I..15	IC SOFT CTRL DTMOD V100 137530	10 1147	R.10	RES CF 8K2 J 0W25
13 7548	I..16	IC 74HCT74 DUAL D FLIP FLOP	10 1120	R.12	RES CF 47E J 0W25
13 7517	I..17	IC 74LS592 8B BIN COUNT	10 1120	R.13	RES CF 47E J 0W25
13 7002	I..18	IC 74HCT573 OCT LATCH	10 1120	R.13	RES CF 47E J 0W25
32 80581	I..19	IC SOFT CTRL DTACL V103 137194	10 1160	R.15	RES CF 100K J 0W25
13 7002	I..20	IC 74HCT573 OCT LATCH	10 1144	R.16	RES CF 4K7 J 0W25
13 7190	I..21	IC 8031AH CPU	10 1183	R.17	RES CF 8M2 J 0W25
13 7002	I..22	IC 74HCT573 OCT LATCH	10 1155	R.18	RES CF 39K J 0W25
13 7002	I..23	IC 74HCT573 OCT LATCH	10 1154	R.19	RES CF 33K J 0W25
13 7550	I..24	IC 74HCT541 OCT BUF/L DRIV	10 1159	R.20	RES CF 82K J 0W25
13 7550	I..25	IC 74HCT541 OCT BUF/L DRIV	10 1148	R.21	RES CF 10K J 0W25
13 7550	I..26	IC 74HCT541 OCT BUF/L DRIV	10 1152	R.22	RES CF 22K J 0W25
13 7002	I..27	IC 74HCT573 OCT LATCH	10 1148	R.23	RES CF 10K J 0W25
13 7567	I..28	IC 74HCT574 OCT D FLIP FLOP	10 1163	R.25	RES CF 180K J 0W25
13 7271	I..29	IC 6264-150NS RAM	10 1144	R.26	RES CF 4K7 J 0W25
13 7271	I..30	IC 6264-150NS RAM	10 1148	R.27	RES CF 10K J 0W25
13 73325	I..31	IC 4098B DUAL MONOST MULTIV	10 1180	R.28	RES CF 4M7 J 0W25
13 7534	I..32	IC 74HCT00 QUAD 2I NAND GATE	10 1120	R.29	RES CF 47E J 0W25
13 7099	I..33	IC 74HCT4040 12B BIN COUNT	10 1120	R.30	RES CF 47E J 0W25
13 7579	I..34	IC 74F166 SHIFT REGIST	10 1120	R.31	RES CF 47E J 0W25
13 7541	I..35	IC 74HCT175 QUAD D FLIP FLOP	10 1120	R.32	RES CF 47E J 0W25
13 7550	I..36	IC 74HCT541 OCT BUF/L DRIV	10 1155	R.33	RES CF 39K J 0W25
13 7516	I..37	IC 74LS242 QUAD BUS TRANC INV	10 1135	R.34	RES CF 820E J 0W25
13 7353	I..38	IC 74LS14 HEX S TRIG	10 1135	R.35	RES CF 820E J 0W25
13 7537	I..39	IC 74HCT08 QUAD 3I NAND GATE	10 1135	R.36	RES CF 820E J 0W25
13 4030	I..40	IC 2940CT5 +05V/1A5 REGULATOR	10 1135	R.37	RES CF 820E J 0W25
13 7353	I..41	IC 74LS14 HEX S TRIG	10 1135	R.38	RES CF 820E J 0W25
13 4001	I..42	IC 7805 +05V/1A REGULATOR	10 1135	R.39	RES CF 820E J 0W25
32 8039	I..43	IC SOFT CTRL *TXT1 V100 137530	10 1135	R.40	RES CF 820E J 0W25
32 80402	I..44	IC SOFT CTRL *TXT2 V102 137530	10 1135	R.41	RES CF 820E J 0W25
13 7562	I..45	IC 74HCT393 DUAL BIN COUNT	10 1124	R.42	RES CF 100E J 0W25
13 7002	I..46	IC 74HCT573 OCT LATCH	10 1124	R.43	RES CF 100E J 0W25
13 7193	I..47	IC 80C31AH CPU	10 1124	R.44	RES CF 100E J 0W25
13 7536	I..48	IC 74HCT04 HEX INV	10 1124	R.45	RES CF 100E J 0W25
13 7534	I..49	IC 74HCT00 QUAD 2I NAND GATE	10 1124	R.46	RES CF 100E J 0W25
13 7544	I..50	IC 74HCT245 OCT BUS TRANC	10 1136	R.47	RES CF 1K J 0W25
13 7002	I..51	IC 74HCT573 OCT LATCH	10 1124	R.48	RES CF 100E J 0W25
13 4114	I..52	IC 393 DUAL VOLT COMP	10 1136	R.49	RES CF 1K J 0W25
13 7495	I..53	IC 74LS92 DIVIDE BY 12 COUNT	10 1124	R.50	RES CF 100E J 0W25
32 80611	I..54	IC SOFT CTRL DRWI V103 137194	10 1136	R.51	RES CF 1K J 0W25
13 7548	I..55	IC 74HCT74 DUAL D FLIP FLOP	10 1146	R.52	RES CF 6K8 J 0W25

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ITEM NO.	SIT.	DESCRIPTION
10 1133	R.53	RES CF 560E J 0W25
10 1135	R.54	RES CF 820E J 0W25
10 1131	R.56	RES CF 390E J 0W25
10 1136	R.57	RES CF 1K J 0W25
10 1155	R.58	RES CF 39K J 0W25
10 1128	R.59	RES CF 220E J 0W25
10 1124	R.60	RES CF 100E J 0W25
10 1124	R.61	RES CF 100E J 0W25
10 1124	R.62	RES CF 100E J 0W25
10 1124	R.63	RES CF 100E J 0W25
10 1124	R.64	RES CF 100E J 0W25
10 1124	R.65	RES CF 100E J 0W25
10 1124	R.66	RES CF 100E J 0W25
10 1124	R.67	RES CF 100E J 0W25
10 1124	R.68	RES CF 100E J 0W25
10 1124	R.69	RES CF 100E J 0W25
10 11907	R.71	RES CFF E10 J 0W40
10 11008	R.72	RES CFF 1E J 0W25
10 3718	R.73	RES WW H 15E K 5W
10 1100	R.74	RES CF 1E J 0W25
10 1124	R.75	RES CF 100E J 0W25
10 1124	R.76	RES CF 100E J 0W25
10 1150	R.77	RES CF 15K J 0W25
10 1124	R.78	RES CF 100E J 0W25
10 1136	R.79	RES CF 1K J 0W25
10 1136	R.80	RES CF 1K J 0W25
10 1136	R.81	RES CF 1K J 0W25
10 1136	R.82	RES CF 1K J 0W25
10 1136	R.83	RES CF 1K J 0W25
10 1120	R.84	RES CF 47E J 0W25
10 1120	R.85	RES CF 47E J 0W25
10 1120	R.86	RES CF 47E J 0W25
10 1120	R.87	RES CF 47E J 0W25
10 1120	R.88	RES CF 47E J 0W25
10 1120	R.89	RES CF 47E J 0W25
10 1120	R.90	RES CF 47E J 0W25
10 1120	R.91	RES CF 47E J 0W25
10 1120	R.92	RES CF 47E J 0W25

ITEM NO.	SIT.	DESCRIPTION
10 1120	R.93	RES CF 47E J 0W25
32 4184	S..1	SWITCH DIL 1A 8P T
32 4184	S..2	SWITCH DIL 1A 8P T
10 11008	SR70	RES CFF 1E J 0W25
30 6858	XT.1	X-TAL 24,000 000 MHZ PCM 5MM
30 6857	XT.2	X-TAL 18,432 000 MHZ PCM 5MM
13 1744	Z..1	DIODE ZENER 5V6 0W5 C
13 1740	Z..2	DIODE ZENER 12V 0W5 C
13 1744	Z..3	DIODE ZENER 5V6 0W5 C
13 1740	Z..4	DIODE ZENER 12V 0W5 C
13 1744	Z..5	DIODE ZENER 5V6 0W5 C
13 1730	Z..6	DIODE ZENER 20V 0W5 C
72 2209	0010	FIX PJ 49 LED CTRL
80 1602	0020	ISOL MN 40 PAT STRIP XTAL R5
34 8089	0030	FASTENER WIRE SLCSE DIA 5,6
34 8019	0040	WIRE TIE L100
31 3551	0050	CONN IC FBT P20 7,5
31 32539	0051	CONN IC MBT P28 15 TULIP
80 2616	0100	FRAME PJ 49 CTRL FIX REAR
36 7454	0110	RIVET P AL FE TAP/D/BS44 D3,2
36 26696	0120	SCREW DIN921 M 3 X 8 MP-
36 20226	0130	SCREW DIN84 M 3 X 8 MP-
36 7502	0131	WASHER DIN6798 A 3,2
36 6102	0132	NUT DIN934 M 3 HEXAGON
80 2615	0200	FRAME PJ 49 CTRL FIX FRONT
36 7454	0210	RIVET P AL FE TAP/D/BS44 D3,2
36 26696	0220	SCREW DIN921 M 3 X 8 MP-
80 2613	1000	FRAME PJ 49 CTRL DOWN
72 2226	1020	FIX PJ 49 CTRL CABLE
34 20091	1030	WIRE TIE FIX 5 TM2
36 7454	1031	RIVET P AL FE TAP/D/BS44 D3,2
80 2618	3000	FRAME PJ 49 CTRL SCREEN FIX
36 26696	3010	SCREW DIN921 M 3 X 8 MP-

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ART NO.	DESCRIPTION	QUANTITY	ART NO.	DESCRIPTION	QUANTITY
10 11008	RES CFF 1E J 0W25	2	13 7550	IC 74HCT541 OCT BUF/L DRIV	4
10 1180	RES CF 4M7 J 0W25	1	13 7562	IC 74HCT393 DUAL BIN COUNT	2
10 11907	RES CFF E10 J 0W40	1	13 7567	IC 74HCT574 OCT D FLIP FLOP	1
10 3718	RES WW H 15E K 5W	1 *	13 7579	IC 74F166 SHIFT REGIST	1
11 3726	CAP POME 150K K5 63	1	30 6857	X-TAL 18,432 000 MHZ PCM 5MM	1 *
13 14071	TSTR BC547B,BC237B N 45 / 0A1	1	30 6858	X-TAL 24,000 000 MHZ PCM 5MM	1
13 1411	TSTR BC549C,BC239C N 30 / 0A1	1	31 32539	CONN IC MBT P28 15 TULIP	3
13 14182	TSTR BC559C,BC309C P 30 / 0A1	1	31 3551	CONN IC FBT P20 7,5	1
13 1621	DIODE 1N4148 SWITCH	70	31 3925	CONN CT-MT MBT P 5	1
13 1636	DIODE BAT43,(85) SCHOTTKY	1	31 3926	CONN CT-MT MBT P 6	1 *
13 1662	DIODE CQY54-A3 LED D3 RED	10	31 3927	CONN CT-MT MBT P 7	1 *
13 1730	DIODE ZENER 20V 0W5 C	1	31 3928	CONN CT-MT MBT P 8	1 *
13 1740	DIODE ZENER 12V 0W5 C	2	31 3952	CONN CT-MT MBS P12	1 *
13 1744	DIODE ZENER 5V6 0W5 C	3	31 3955	CONN CT-MT MBS P15	1 *
13 4001	IC 7805 +05V/1A REGULATOR	1	32 4184	SWITCH DIL 1A 8P T	2
13 4030	IC 2940CT5 +05V/1A5 REGULATOR	1	32 8039	IC SOFT CTRL *TXT1 V100 137530	1
13 4114	IC 393 DUAL VOLT COMP	1	32 80402	IC SOFT CTRL *TXT2 V102 137530	1
13 7000	IC 74HCT646 OCT BUS TRANC/REG	1	32 8055	IC SOFT CTRL DADEC V100 137530	1
13 7002	IC 74HCT573 OCT LATCH	8	32 80561	IC SOFT CTRL DCTRL V103 137185	1
13 7005	IC 74HCT03 QUAD 2NAND GATE	1	32 8057	IC SOFT CTRL DTMOD V100 137530	1
13 7099	IC 74HCT4040 12B BIN COUNT	1	32 80581	IC SOFT CTRL DTACL V103 137194	1
13 7184	IC 28C64 EPROM	1	32 80611	IC SOFT CTRL DRWI V103 137194	1
13 7185	IC 27512 EPROM	1	34 20091	WIRE TIE FIX 5 TM2	1
13 7190	IC 8031AH CPU	1	34 8019	WIRE TIE L100	7
13 7191	IC 8088 CPU	1	34 8089	FASTENER WIRE SLCSE DIA 5,6	5
13 7192	IC 8284A CLOCK GEN,DRIV CPU	1	36 20226	SCREW DIN84 M 3 X 8 MP-	2
13 7193	IC 80C31AH CPU	1	36 26696	SCREW DIN921 M 3 X 8 MP-	15
13 7194	IC 27C64A EPROM	2	36 6102	NUT DIN934 M 3 HEXAGON	2
13 7271	IC 6264-150NS RAM	3	36 7454	RIVET P AL FE TAP/D/BS44 D3,2	8
13 7274	IC 8256AH MUART	1	36 7502	WASHER DIN6798 A 3,2	2
13 73325	IC 4098B DUAL MONOST MULTIV	1	72 2209	FIX PJ 49 LED CTRL	1
13 7353	IC 74LS14 HEX S TRIG	2	72 2226	FIX PJ 49 CTRL CABLE	2
13 7495	IC 74LS92 DIVIDE BY 12 COUNT	1	77 3028	COIL CHOKE SMP TV 31	1 *
13 7516	IC 74LS242 QUAD BUS TRANC INV	1	77 3215	COIL CHOKE SMP	2 *
13 7517	IC 74LS592 8B BIN COUNT	1	80 1602	ISOL MN 40 PAT STRIP XTAL R5	2
13 7518	IC 74LS375 4B BISTABLE LATCH	1	80 2613	FRAME PJ 49 CTRL DOWN	1
13 7529	IC 16V8A-15 GAL GEN ARRAY LOG	2	80 2615	FRAME PJ 49 CTRL FIX FRONT	1
13 7530	IC 16V8 GAL GEN ARRAY LOG	2	80 2616	FRAME PJ 49 CTRL FIX REAR	1
13 7534	IC 74HCT00 QUAD 2I NAND GATE	2	80 2618	FRAME PJ 49 CTRL SCREEN FIX	1
13 7536	IC 74HCT04 HEX INV	1			
13 7537	IC 74HCT08 QUAD 3I NAND GATE	1			
13 7541	IC 74HCT175 QUAD D FLIP FLOP	2			
13 7544	IC 74HCT245 OCT BUS TRANC	1			
13 7546	IC 74HCT32 QUAD 2I OR GATE	1			
13 7548	IC 74HCT74 DUAL D FLIP FLOP	2			

\*NUMBERS REFERRING TO PICTURE

