

BARCO
Service

List of spare parts

ADJ/17.04.87/MCV

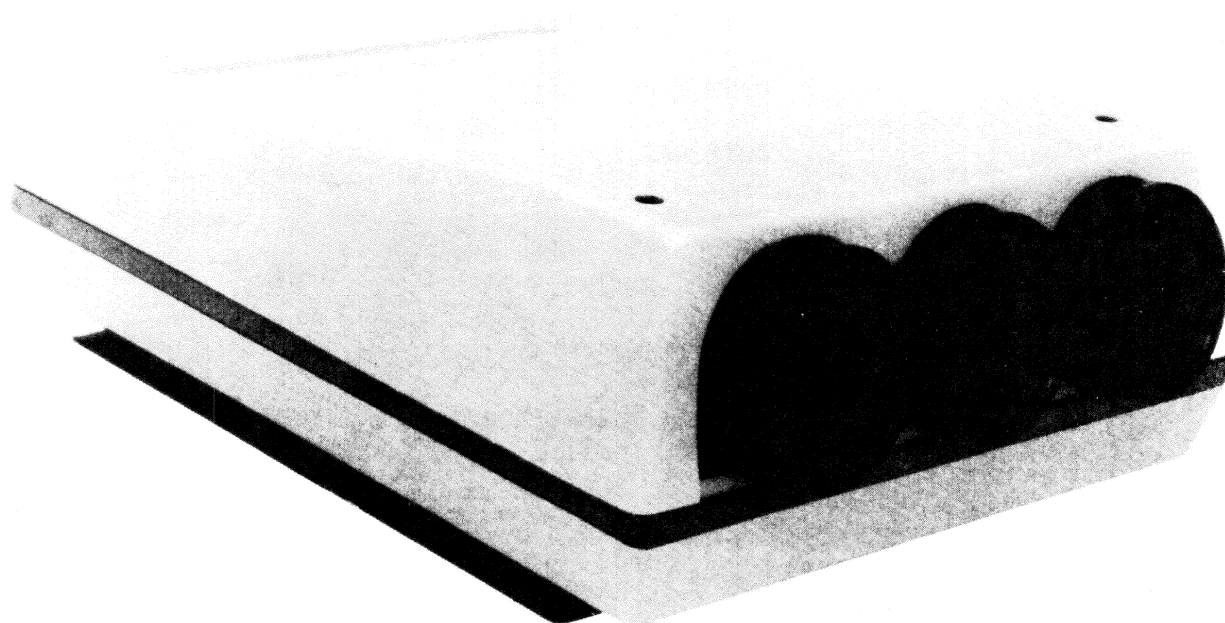
Art. n° 59 75152

BARCO DATA **PC**
PC PLUS

Stock n° 90 00170 : BARCODATA PC

Stock n° 90 00280 : BARCODATA PC PLUS

Stock n° 90 00300 : BARCODATA PC PLUS RGB



A. ON BOARD LEVEL

* COMMON BOARDS

<u>Article nr.</u>	<u>Description</u>
76 11145	Unit Input RGB Analogue
76 11155	Unit Input RGB TTL
76 1126	Unit Deflection complete
76 1177 (to 1/5/87) 76 11775 (from 1/5/87)	Unit Switch Mode Power Supply
76 11802	Unit Input Mains
76 12135	Unit VID + CON GEN75
76 12166	Unit Convergence + G2
76 1254	Unit N-S Horizontal
76 12718	Unit Sync + Vertical
76 1384	Unit Focus Control
76 13872	Unit CRT Red
76 13875	Unit CRT Green
76 13876	Unit CRT Blue
76 1389	Unit Frame
79 15514	Control Switch Board

* PROJECTOR RELATED BOARDS

BARCODATA PC (90 00170)

- Unit Horizontal + EHT : 76 12625
- Unit Auto Lock : 76 1279
- Unit Decoder Quad RGB + Enhancer : 76 1365

BARCODATA PC PLUS (90 00280)

- Unit Horizontal + EHT : 76 12628
- Unit Auto Lock : - 76 1278 (from 8/4/87)
- 76 12792 (to 8/4/87)
- Unit Decoder Quad RGB + Enhancer : 76 1365

BARCODATA PC PLUS RGB (90 00300)

- Unit RGB 30 MC : 76 1168
- Unit Horizontal + EHT : 76 12628
- Unit Auto Lock : - 76 1278 (from 8/4/87)
- 76 12792 (to 8/4/87)

B. ON COMPONENT LEVEL

Note : Capacitors and resistors not mentioned, are standard components.

1. Unit Input RGB Analogue (76 11145)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6824	Trimmer potentiometer CEMV 200E 0W50	1
11 4130	Capacitor POMEFF 68K 250 V	4
11 4124	Capacitor POMEFF 22K 250 V	1
13 1644	Rectifier diode 1N4001	2
13 141821	Transistor BC559C BC309C	8
13 14181	Transistor BC559B BC309B	6
13 14295	Transistor BC549B	2

2. Unit Input RGB TTL (76 11155)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6725	Trimmer potentiometer CEMH 500E 0W50	1
10 6726	Trimmer potentiometer CEMH 1K 0W50	1
10 6733	Trimmer potentiometer CEMH 100K 0W50	1
13 7432	Integrated circuit 74S86	2
13 7429	Integrated circuit 74S04	1
13 7430	Integrated circuit 74S09	1
13 7433	Integrated circuit 74S10	1
13 7480	Integrated circuit 74LS123	1
13 4001	Integrated circuit 7805	1
13 14181	Transistor BC559B BC309B	8

3. Unit deflection complete (76 1126)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
30 66381	Deflection unit YS33498	1

4. Unit Switch Mode Power Supply (76 1177)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 3352	Resistor MO 22K 4W	1
10 3611	Resistor OE82 4W	1
10 3658	Resistor WW 680E 4W	1
10 4268	Resistor WW 33E 7W	1
10 4407	Resistor WW 3E3 11W	1
10 4668	Resistor 3M9 HV 0W50	1
10 46781	Resistor 10M HV 1W	1
10 5002	Resistor NTC 50E 1W	1
10 6829	Trimmer potentiometer 10K	2

11 2837	Capacitor CE 10K	400 V	2
11 1655	Capacitor ELRA 400M	385 V	1
11 4722	Capacitor CESA 2K2	400 V	1
11 4120	Capacitor POMEFF 10K	250 V	1
11 39112	Capacitor PETPFP 8K2	250 V	1
11 50051	Capacitor PP 2K2	1500 V	1
11 1418	Capacitor ELSN 22M	350 V	1
11 1408	Capacitor ELSN 22M	250 V	3
11 1639	Capacitor ELRA 47M	250 V	2
11 2094	Capacitor CE 220P	750 V	1
11 1720	Capacitor PP 6K8	1500 V	1
11 17221	Capacitor PP 15K	1500 V	1
11 4130	Capacitor POMEFF 68K	250 V	1
13 1636	Schottky diode BAT43	SD101	2
13 1716	Zener diode 5V1	0W5 C	1
13 1742	Zener diode 6V8	0W5 C	1
13 19025	Rectifier diode BY255		4
13 1646	Rectifier diode 1N4007		3
13 1911	Rectifier diode PY206		2
13 1913	Rectifier diode BY229-1000		1
13 1928	Rectifier diode BY229-600R		2
13 1921	Rectifier diode BY299		3
13 1918	Rectifier diode BYW72		2
13 2747	Integrated circuit TDA4600		1
13 25096	Transistor BU508A		1
13 2579	Transistor BD651		1
13 3064	Transistor MICA INSULAT	SOT-93	1
13 30291	Transistor MICA INSULAT	TO-220	3
13 30192	Transistor MICA INSULAT	TO-126	1
13 30292	Transistor BUSH INSULAT	TO-220	3
13 30193	Transistor BUSH INSULAT	TO-126	1
13 3029	Transistor SET INSULAT	TO-220	1
13 3019	Transistor SET INSULAT	TO-126	2
13 3029	Transistor SET INSULAT	TO -220	1
31 4106	Fuse 5x20 1A6	FAST	1
77 4141	Transformer Cur.		1
77 4142	Varicap transformer		1

5. Unit Switch Mode Power Sub (76 1177S)

<u>Art. n°</u>	<u>Description</u>	<u>Quantity</u>
10 4413	Resistor 10E 11 W	1
10 4414	Resistor 12E 11 W	1
11 2829	Capacitor 2K2 400 V	1
13 14131	Transistor BC557B/BC307B	1
13 1426	Transistor BC337	2
13 2570	Transistor BDX77/BD709	1

13 1914	Rectifier diode BYV19-45	1
13 1921	Rectifier diode BY299	1
13 1694	Opto coupler CNY17-3	1
77 4106	Transformer Sub Sup	1

6. Unit Switch Mode Power Pow (76 1177P)

<u>Art. n°</u>	<u>Description</u>	<u>Quantity</u>
10 3356	Resistor 47K 4 W	1
11 4602	Capacitor 47K HV 1000 V	1
13 1913	Rectifier diode BY229-1000	1
13 25095	Transistor BU508A	2

7. Unit Switch Mode Power Sub (76 1175S)

<u>Art. n°</u>	<u>Description</u>	<u>Quantity</u>
13 1742	Zener diode 0.5C 6V8	1
13 2776	Integrated circuit TDA2581	1

8. Unit Switch Mode Power Supply (76 11775)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 3226	Resistor 150E 1W50	2
10 3341	Resistor 2K7 4W	1
10 3658	Resistor 680E 4W	1
10 4407	Resistor 3E3 11W	1
10 4658	Resistor 1M5 HV 0W50	1
10 4672	Resistor 5M6 HV 0W50	1
10 46781	Resistor 10M HV 1W	1
10 5211	Resistor PTC 4K7	1
10 6829	Trimmer potentiometer 10K 0W50	1
10 6832	Trimmer potentiometer 50K 0W50	1
11 1408	Capacitor 22M 250 V	1
11 1639	Capacitor 47M 250 V	3
11 1650	Capacitor 100M 350 V	1
11 1655	Capacitor 400M 385 V	1
11 2837	Capacitor 10K 400 V	2
11 39102	Capacitor 6K8 250 V	2
11 39622	Capacitor 10K 400 V	2
11 4124	Capacitor 22K 250 V	1
11 47009	Capacitor 4K7 AC 400 V	1
11 50051	Capacitor 2K2 1500 V	2
13 1646	Rectifier diode 1N4007	5
13 19025	Rectifier diode BY255	4
13 1911	Rectifier diode PY206	3

13 1915	Rectifier diode BY229-1000R	1
13 1921	Rectifier diode BY299	2
13 1927	Rectifier diode BY229-60	1
13 1928	Rectifier diode BY229-600R	3
13 1952	Rectifier diode BYW96E	1
13 1621	Diode 1N4148	1
13 1667	Diode CQY95-B4 D3 GREEN LED	1
13 14071	Transistor BC547B/BC237B	1
13 14131	Transistor BC557B/BC307B	1
13 1471	Transistor BF458	1
13 25094	Transistor BU508A 4X	2
13 25096	Transistor BU508A ON4046	3
13 2579	Transistor BD651 DAR	1
13 2215	Thyristor 151-650R BT	1
13 1742	Zener diode 6V8 0W5 C	1
13 1756	Zener diode 7V5 0W5 C	2
13 1787	Zener diode 51V 0W5 C	1
13 1791	Zener diode 6V2 0W5 B	1
13 2787	Integrated circuit 4601 TDA	2
13 4026	Integrated circuit 317T	1
13 4031	Integrated circuit 431C TL	1
13 4114	Integrated circuit 393	1
13 1694	Opto coupler CNY 17-3	1
31 4103	Fuse 3A150 5X20 SLOW	2
31 4106	Fuse 1A6 5X20 FAST	1
31 4198	Fuse Thermo 85 C	1
31 4514	Fuse 5X20 Cap + Holder	1
77 4167	Transformer SMP Fix.	1
77 4168	Transformer SMP VAR	1

9. Unit Input Mains (76 11802)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 5018	Resistor NTC 4E7 2W	2
10 4401	Resistor WW 1E 11W	2
11 4716	Capacitor POSAPO 1M AC250 V	1
11 4722	Capacitor CESA 2K2 400 V	2
11 1655	Capacitor ELRA 400M 385 V	2
13 3036	Spacer ceramic dia 6/2,4 L6	1

10. Unit VID + CON GEN75 (76 12135)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 3229	Resistor MO 270E 1W50	1
11 4130	Capacitor POMEFF 68K 250 V	1
11 2681	Capacitor N750MI 15P 500 V	1
11 2683	Capacitor N750MI 22P 500 V	1
13 1644	Rectifier diode 1N4001	1
13 1751	Zener diode 9V1 0W50	1
13 7227	Integrated circuit SAA5020	1
13 7397	Integrated circuit 4013B	1
13 7325	Integrated circuit 4069UB	1
13 14295	Transistor BC549B	9
13 1416	Transistor BC558B BC308B	5
13 1411	Transistor BC549C BC239C	4
13 14181	Transistor BC559B BC309B	1

11. Unit Convergence + G2 (76 12166)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 3224	Resistor 100E 1W50	6
10 3620	Resistor 4E7 4W	5
10 67291	Trimmer potentiometer 10K	47
11 2683	Capacitor 22P 500 V	2
11 4602	Capacitor 47K 1000 V	3
13 1628	Switch diode BAW62	2
13 1636	Schottky diode BAT43 SD101	9
13 1765	Zener diode 0.5B 27	1
13 2751	Integrated circuit TDA2030V	5
13 27655	Integrated circuit 1496	4
13 4002	Integrated circuit 7812	1
13 4016	Integrated circuit 7912	1
13 4113	Integrated circuit TL084	12
13 7297	Integrated circuit 3054	2
13 14131	Transistor BC557B/BC307B	7
13 1428	Transistor BC548C/BC238C	5
13 14295	Transistor BC549B	19
13 2528	Transistor FET BC264B	1
13 3029	Transistor SET INSULAT TO-220	1
13 30291	Transistor MICA INSULAT TO-220	1
13 30292	Transistor BUSH INSULAT TO-220	1
13 1910	Rectifier diode BY207	1
76 1289	Unit G2 control	1

12. Unit N-S Horizontal (76 1254)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6829	Trimmer potentiometer 10K	3
10 6828	Trimmer potentiometer 5K	3
10 6832	Trimmer potentiometer 50K	3
10 68292	Trimmer potentiometer 10K	3
10 4170	Resistor 1K 4W	3
11 2683	Capacitor N750MI 22P 500 V	1
11 4124	Capacitor 22K 250 V	3
11 4599	Capacitor PC 2M2 250 V	3
13 1621	Switch diode 1N4148	2
13 1921	Rectifier diode BY299	2
13 4002	Integrated circuit 7812	1
13 4016	Integrated circuit 7912	1
13 4028	Integrated circuit LM317LZ	1
13 4029	Integrated circuit LM337LZ	1
13 4113	Integrated circuit TL084	1
13 2134	Integrated circuit TBA331	1
13 2765	Integrated circuit MC1496P	2
13 2751	Integrated circuit TDA2030V	6
13 2765	Integrated circuit MC149P	1
13 1411	Transistor BC549C BC239C	1
13 14181	Transistor BC559B BC309B	1
13 3029	Transistor SET INSULAT TO-220	1
13 30291	Transistor MICA INSULAT TO-220	2
13 30292	Transistor BUSH INSULAT TO-220	1
77 4102	Transformer N/S	3

13. Unit Sync. + Vert. (76 12718)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6829	Trimmer potentiometer 10K	2
10 3736	Resistor WW H 470E 5W	1
10 1310	Resistor CF 6E8 1W	1
10 3616	Resistor WW H 2E2 4W	1
10 3732	Resistor WW H 220E 5W	2
10 1310	Resistor CF 6E8 1W	1
11 4124	Capacitor POMEFF 22K 250 V	1
11 4130	Capacitor POMEFF 68K 250 V	1
11 4120	Capacitor POMEFF 10K 250 V	1
11 4132	Capacitor POMEFF 100K 250 V	6
11 4131	Capacitor POMEFF 82K 250 V	1
11 2829	Capacitor CE 2K2 400 V	1
13 3019	Transistor SET INSULAT TO-126	1
13 30191	Transistor BUSH INSULAT TO-126	1
13 30192	Transistor MICA INSULAT TO-126	1
13 30193	Transistor BUSH INSULAT TO-126	1

13 14295	Transistor BC549B	1
13 14446	Transistor BD237	1
13 14295	Transistor BC549B	8
13 14072	Transistor BC547A BC237A	1
13 14181	Transistor BC559B BC309B	3
13 1411	Transistor BC549C BC239C	3
13 14131	Transistor BC557B BC307B	1
13 14071	Transistor BC547B BC237B	6
13 25705	Transistor BD709	1
13 14131	Transistor BC557B BC307B	4
13 1426	Transistor BC337	1
13 1428	Transistor BC548C BC238C	1
13 1411	Transistor BC549C BC239C	1
13 14446	Transistor BD237	1
13 14451	Transistor BD238	1
13 1621	Switch diode 1N4148	2
13 1721	Zener diode 13V 0W5 C	1
13 1765	Zener diode 27V 0W5 B	1
13 1644	Rectifier diode 1N4001	1
13 1662	LED diode CQY54-A3 D3 RED	2
13 2762	Integrated circuit TDA2595	1
13 2751	Integrated circuit TDA2030V	3
13 4113	Integrated circuit TL084	2
13 4002	Integrated circuit 7812	1
13 4016	Integrated circuit 7912	1
13 7297	Integrated circuit 3054	1
13 30191	Transistor BUSH INSULAT TO-126	2
13 30193	Transistor BUSH INSULAT TO-126	1
13 30192	Transistor MICA INSULAT TO-126	2
13 30198	Transistor SET INSULAT TO-126	1

14. Unit Focus Control (76 1384)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 14625	Resistor MF 150K 1W50	3
10 14675	Resistor MF 390K 1W50	2
10 46721	Resistor HV 5M6 1W	3
10 2136	Resistor CC 1K 1W	1
10 46901	Resistor HV 33M 1W	2
10 1469	Resistor CF 560K 1W50	2
10 7601	Trimmer potentiometer 20M	3
10 6733	Trimmer potentiometer CEMH 100K 0W50	1
11 4720	Capacitor CESA 1K 400 V	2
11 4625	Capacitor HV 1K 10KV	1
11 2098	Capacitor CE 470P 2000 V	1
11 1720	Capacitor PP 6K8 1500 V	1
13 1628	Switch diode BAW62	1
13 1663	Yellow led diode LD56-2 D5	6
13 1665	Green led diode CQV25-4 D5	1
13 1664	Red led diode CQV21-5	1
13 16641	Ora led diode ZIE131664	1

13 1754	Zener diode 3V3	OW50	1
13 2102	Integrated circuit TAA550		1
13 25096	Transistor BU508A		2
13 14295	Transistor BC549B		1
13 2590	Transistor BC560B		1
13 14131	Transistor BC557B BC307B		1
13 25096	Transistor BU508A		2

15. Unit CRT Red (76 13872)

<u>Art.nr.</u>	<u>Description</u>	<u>Quantity</u>
13 10875	Picture tube SD130 PCE P22 RED	1
13 2096	Cord splitter 18	1

16. Unit CRT Green (76 13875)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 10895	Picture tube SD130 PCE P53 GRE	1
13 2094	Cord splitter 11	1

17. Unit CRT Blue (76 13876)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 10885	Picture tube SD130 PCE P22 BLU	1
13 2094	Cord splitter 11	1

18. Unit Frame (76 1389)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6737	Trimmer potentiometer 1M	1
13 2090	Quadrupler 10M+split+1x18+2x11	1
13 1207	Indicator 24V-30MA	1
13 1221	Indicator 24V-20MA	1
32 4160	Switch SE PC 1U	1
74 1625	Thickfilm SIL-4-P-104-X2-C	1

19. Unit CRT socket R (76 13882)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 2129	Resistor CC 270E 1W	1
10 2138	Resistor CC 1K5 1W	1
10 2148	Resistor CC 10K 1W	2
11 20902	Capacitor CE 100P 2000 V	1

20. Unit CRT socket G (76 13885)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 2129	Resistor CC 270E 1W	1
10 2138	Resistor CC 1K5 1W	1
10 2148	Resistor CC 10K 1W	2
11 20902	Capacitor CE 100P 2000 V	1

21. Unit CRT socket B (76 13886)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 2129	Resistor CC 270E 1W	1
10 2138	Resistor CC 1K5 1W	1
10 2148	Resistor CC 10K 1W	2
11 20902	Capacitor CE 100P 2000 V	1

22. Control switch board (79 15514)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 7530	Multiturn 100K 0W50	2
10 71305	Potentiometer 4K7 0W50	5
32 4157	Switch slide AU 2U	1
32 41561	Switch slide AU 1U	1
32 41571	Switch slide 4A	1
35 7090	Knob turn RPCAM	1

23. Unit Horizontal + EHT (76 12625)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 1621	Switch diode 1N4148	3
13 1611	Switch diode BA157	2
13 1910	Rectifier diode BY207	2
13 1646	Rectifier diode 1N4001	1
13 1913	Rectifier diode BY229-1000	3
13 1907	Rectifier diode BY584 BY184	1
13 1942	Rectifier diode BY448	1
13 1787	Zener diode 51V 0W5 C	1
13 2102	Integrated circuit TAA550	1
13 25096	Transistor BU508A	2
13 2596	Transistor BUT16	1
13 2580	Transistor MJE350	1
13 14311	Transistor BC327	1
13 2581	Transistor BF471	1

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13 1411	Transistor BC549C BC239C	1
13 14131	Transistor BC557B BC307B	1
13 2588	Transistor BC550C	1
13 30291	Transistor MICA INSULAT TO-220	2
13 3064	Transistor MICA INSULAT SOT-93	1
13 3008	Transistor MICA INSULAT TO-3	1
13 30292	Transistor BUSH INSULAT TO-220	1
13 3029	Transistor SET INSULAT TO-220	1
11 1799	Capacitor PP DD 820P J 1500	1
11 4592	Capacitor PP PO 470K K 250	2
11 1769	Capacitor PP DD 3K3 J 1500	1
11 50051	Capacitor PP 2K2 J 1500	1
11 1769	Capacitor PP DD 3K3 J 1500	2
11 1773	Capacitor PP DD 4K7 J 1500	1
11 4592	Capacitor PP PO 470K K 250	1
11 2098	Capacitor CE DI 470P M 2000	1
11 4636	Capacitor HV 50K M 1600	1
11 1650	Capacitor ELRA 100M T 350	1
11 4124	Capacitor POMEFF 22K K 250	1
10 3616	Resistor WW H 2E2 K 4W	1
10 3736	Resistor WW H 470E K 5W	1
10 3660	Resistor WW H 1K K 4W	1
10 3620	Resistor WW H 4E7 K 4W	1
10 3716	Resistor WW H 10E K 4W	2
10 3510	Resistor WW H 0E68 J 2W	1
10 14675	Resistor MF 390K J 1W50	1
10 3454	Resistor MO 33K J 6W	1
10 3256	Resistor MO 47K J 1W50	1

24. Unit Auto Lock (76 1279 + 76 12792)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 4002	Integrated circuit 7812	1
13 4016	Integrated circuit 7912	1
13 4032	Integrated circuit 78L05	1
13 4107	Integrated circuit 3302	1
13 4113	Integrated circuit 084	4
13 7279	Integrated circuit 7524L	2
13 7320	Integrated circuit 40001B	1
13 7322	Integrated circuit 4027B	5
13 73241	Integrated circuit 4049UB	1
13 7378	Integrated circuit 4538B	2
13 73885	Integrated circuit 4040B	1
13 7379	Integrated circuit 4022B	2
13 7380	Integrated circuit 4029B	4
13 7397	Integrated circuit 4013B	2
13 14071	Transistor BV547B BC237B	5
13 14131	Transistor BC557B BC307B	1
13 1491	Transistor BSX20 2N2369	3
13 1621	Switch diode 1N4148	8
30 6846	X-tal 4.000 000 MHz PCM 5MM	1

25. Unit Decoder Quad RGB + Enhancer (76 1365)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 3248	Resistor 10K 1W50	1
11 1571	Capacitor 2M2 350 V	2
11 2831	Capacitor 3K3 400 V	3
13 1621	Switch diode 1N4148	4
13 1644	Rectifier diode 1N4001	1
13 1771	Zener diode 150V 0W5	1
13 1721	Zener diode 13V 0W5	1
13 1716	Zener diode 5V1 0W5	1
13 2778	Integrated circuit TDA4555	1
13 2134	Integrated circuit TBA331	1
13 2773	Integrated circuit TDA4560/-65	1
13 2779	Integrated circuit TDA3505	1
13 4002	Integrated circuit 7812	1
13 4031	Integrated circuit TL431C	1
13 1429	Transistor BC548B BC238B	4
13 1411	Transistor BC549C BC239C	2
13 14295	Transistor BC549B	3
13 1471	Transistor BF458	1
13 2514	Transistor BF469	6
13 14181	Transistor BC559B BC309B	2
13 3052	Transistor Cooler TO-126	1
13 3036	Spacer ceramic dia 6/2,4 L6	1

26. Unit Horizontal + EHT (76 12628 + 76 1262S)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 6420	Trimmer potentiometer 10E 2W	1
10 3454	Resistor 33K 6W	1
10 3619	Resistor 3E9 4W	1
10 3622	Resistor 6E8 4W	2
10 37271	Resistor 75E 5W	1
10 3660	Resistor 1K 4W	1
10 3620	Resistor 4E7 4W	1
10 14675	Resistor 390K 1W50	1
10 3510	Resistor OE68 2W	1
10 3256	Resistor 47K 1W50	2
10 4415	Resistor 15E 11W	1
11 1650	Capacitor 100M 350 V	1
11 20942	Capacitor 220P 2000 V	2
11 4599	Capacitor PC 2M2 250 V	1
11 2098	Capacitor CE 470P 2000 V	2
11 1761	Capacitor PP 1K5 1500 V	1
11 1763	Capacitor PP 1K8 1500 V	2
11 50051	Capacitor PP 2K2 1500 V	1
11 4636	Capacitor HV 50K 1600 V	1
11 1773	Capacitor PP 4K7 1500 V	1
11 4592	Capacitor PP 470K 250 V	1

11 2833	Capacitor CE 4K7	400 V	2
11 4602	Capacitor POHVPO 47K	1000 V	1
11 4124	Capacitor POMEFF 22K	250 V	1
13 1611	Switch diode BA157		2
13 1637	Switch diode BA158		2
13 1913	Rectifier diode BY229-1000		3
13 1907	Rectifier diode BY584 BY184		1
13 1942	Rectifier diode BY448		1
13 2596	Transistor BUT16 DAR		1
13 25096	Transistor BU508A		5
13 2580	Transistor MJE350		1
13 14311	Transistor BC327		1
13 2581	Transistor BF471		1
13 1411	Transistor BC549C BC239C		1
13 14131	Transistor BC557B BC307B		1
13 2588	Transistor BC550C		1
13 3064	Transistor MICA INSULAT SOT-93		1
13 30291	Transistor MICA INSULAT TO-220		2
13 30192	Transistor MICA INSULAT TO-126		1
13 3019	Transistor SET INSULAT TO-126		1
13 3029	Transistor SET INSULAT TO-220		1
13 30191	Transistor BUSH INSULAT TO-126		1
13 30193	Transistor BUSH INSULAT TO-126		1
13 30292	Transistor BUSH INSULAT TO-220		1
77 4105	Driver transformer		1

27. Unit Auto Lock (76 1278)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 2762	Integrated circuit TDA 2595	1
13 4002	Integrated circuit 7812	1
13 4016	Integrated circuit 7912	1
13 4032	Integrated circuit 78L05	1
13 4107	Integrated circuit 3302	1
13 4113	Integrated circuit TL084	3
13 7279	Integrated circuit 7524L	2
13 7320	Integrated circuit 40001B	1
13 7322	Integrated circuit 4027B	5
13 7324	Integrated circuit 4049B	1
13 7378	Integrated circuit 4538B	2
13 7379	Integrated circuit 4022B	2
13 7380	Integrated circuit 4029B	4
13 73885	Integrated circuit 4040B	1
13 7397	Integrated circuit 4013B	1
13 14071	Transistor BV547B BC237B	5
13 14131	Transistor BC557B BC307B	1
13 14295	Transistor BC549B	1
13 1491	Transistor BSX20 2N2369	3
13 1621	Switch diode 1N4148	2

13 1756	Zener diode 7V5 0W5 C	2
13 1757	Zener diode 3V9 0W5 C	2
30 6846	X-tal 4.000 000 MHz PCM 5MM	1

28. Unit RGB 30 MC (76 1168)

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
10 12169	Resistor 22E 0W50	1
10 2148	Resistor 10K 1W	6
10 3236	Resistor 1K 1W50	3
10 3240	Resistor 2K2 1W50	6
10 3248	Resistor 10K 1W50	1
10 6724	Trimmer potentiometer 200E	3
10 6726	Trimmer potentiometer 1K	3
10 6825	Trimmer potentiometer 500E	3
11 4132	Capacitor 100K 250V	3
11 4138	Capacitor 330K 250V	1
11 4139	Capacitor 390K 250V	1
11 7003	Trimmer capacitor 4.5-70P 160 V	3
13 1621	Switch diode 1N4148	3
13 1628	Switch diode BAW62	3
13 1637	Switch diode BA158	6
13 1716	Zener diode 5V1 0W5 C	2
13 1720	Zener diode 0.5C 6V2	3
13 1721	Zener diode 0.5C 13	1
13 1733	Zener diode 0.4C 2V1	4
13 1754	Zener diode 0.5C 3V3	1
13 1771	Zener diode 0.5B 150	1
13 1646	Rectifier diode 1N4007	1
13 2134	Integrated circuit TBA331	3
13 4002	Integrated circuit 7812	1
13 1411	Transistor BC549C BC239C	2
13 14181	Transistor BC559B BC309B	2
13 14295	Transistor BC549B	7
13 1471	Transistor BF458	7
13 1491	Transistor BSX20 2N2369	11
13 2586	Transistor BFR95	3

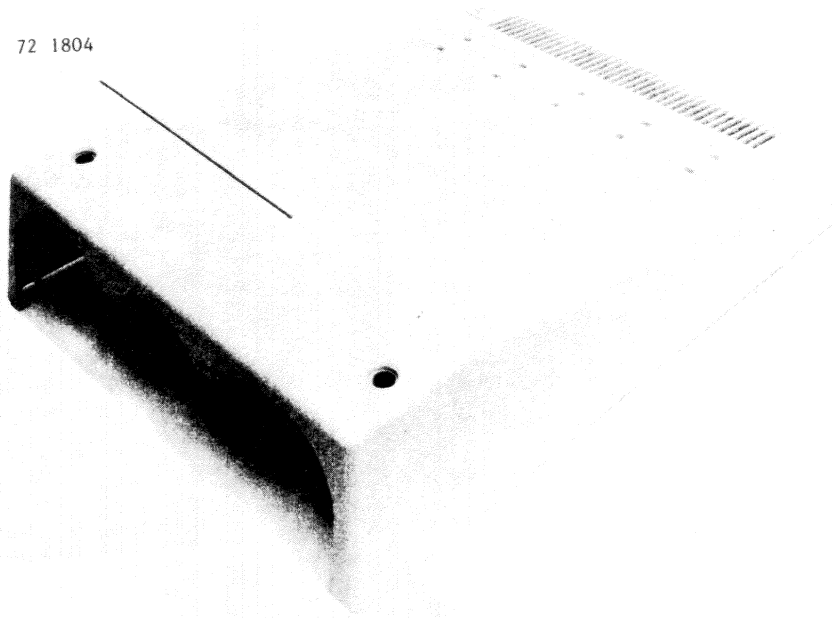
C. MECHANICAL COMPONENTS

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
13 0984	Optic USPL DELTA TAC 3	1
35 6309	PVC Foot	4
72 1803	Case down	1
72 1804	Case up	1
72 1901	Nameplate Data PC	1
72 1562	Board Security	2
72 1893	Fixing Def. PC	1
80 1410	Nameplate PART-SER. nr. 90 00280	1
80 0198	Right side frame	1
80 0264	Left side frame	1
80 0996	Akwadag CRT	3
80 1004	Fixation plate defl.	1
80 1006	Fixation plate defl.	1
80 1893	Fixation plate defl.	1
80 1014	Fixation up CRT Green	1
80 1015	Fixation down CRT Green	1
80 1016	Plate ADJ 1 CRT	3
80 1017	Fixation up CRT Blue	1
80 1018	Fixation down CRT Blue	1
80 1019	Fixation up CRT Red	1
80 1020	Fixation down CRT Red	1
80 1022	Lath down CRT complete	1
80 1023	Lath up CRT complete	1
80 1093	Fixation plate def. text	1
80 1127	Optic dust ring	3

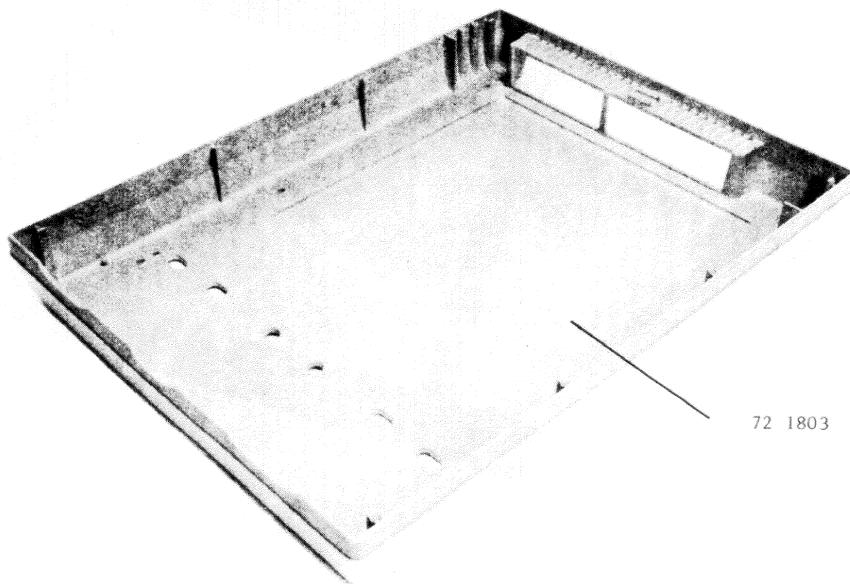
D. MISCELLANEOUS

<u>Art. nr.</u>	<u>Description</u>	<u>Quantity</u>
31 3258	Mains connector	1
34 82385	Cord complete	2
34 82455	Cord RC 12M	1
59 3360	Box 904 837 x 597 x 328	1
59 3361	Box 201 580 x 105 x 120	1
59 3381	Box PEF 1150 x 1000 x 1.5	1
59 3382	Box 201 940 x 700 x 385	1
73 1877	Packing base	1
73 1994	Packing lath	1

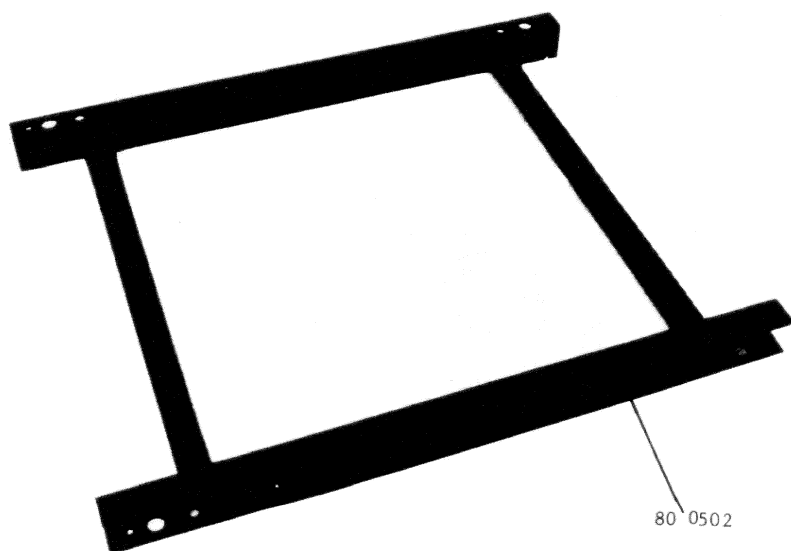
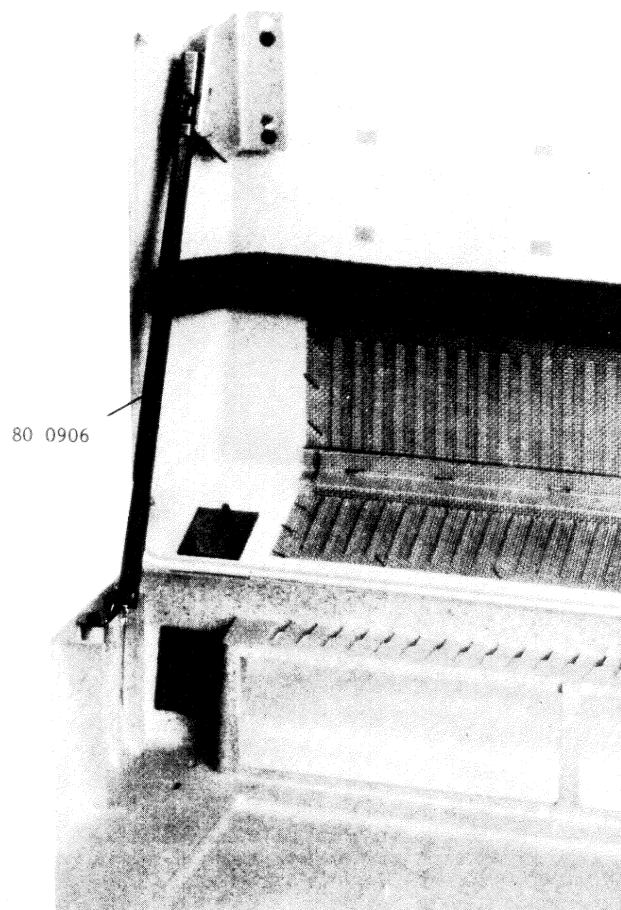
72 1804



BARCO DATA $\frac{P}{C}$ — 72 1901



72 1803



72 1804

72 1803

72 1721

80 0308

31 3583

31 3468

32 4784

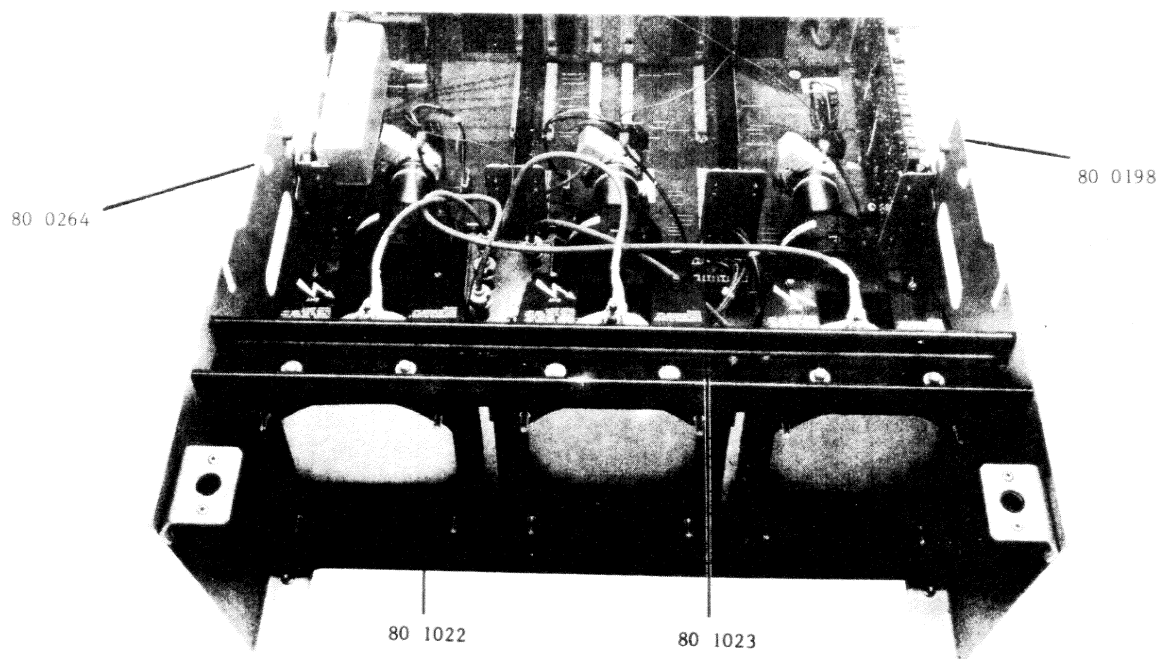
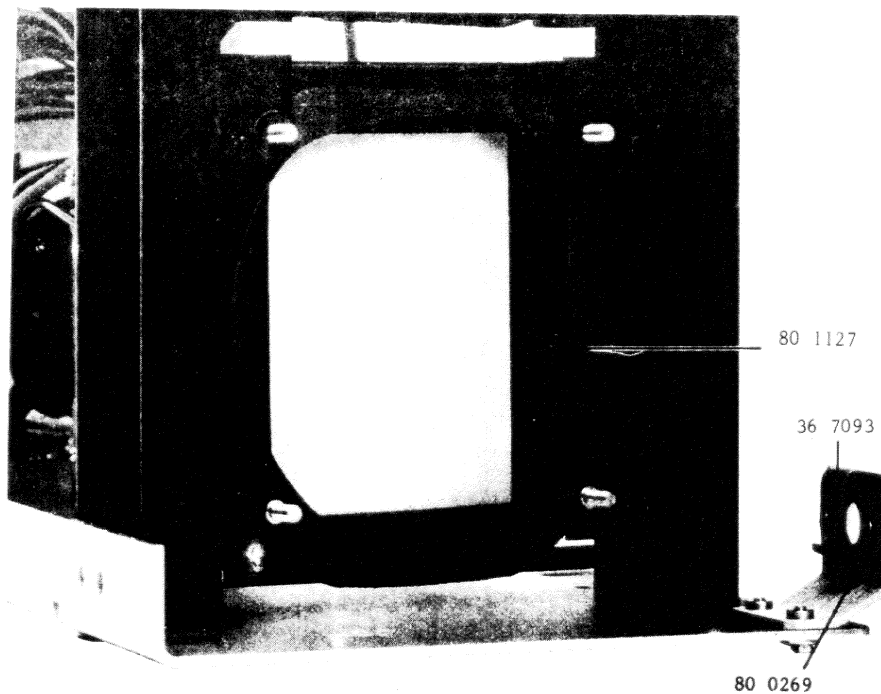
31 35866

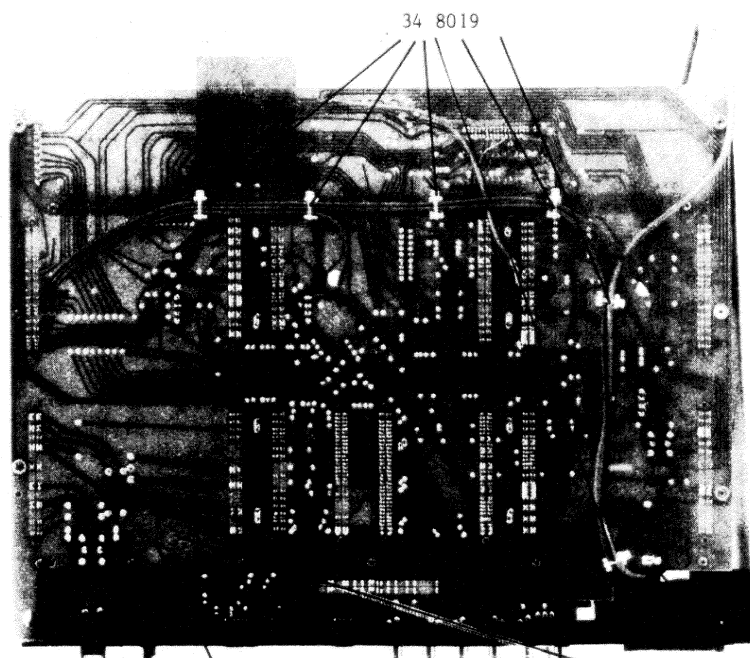
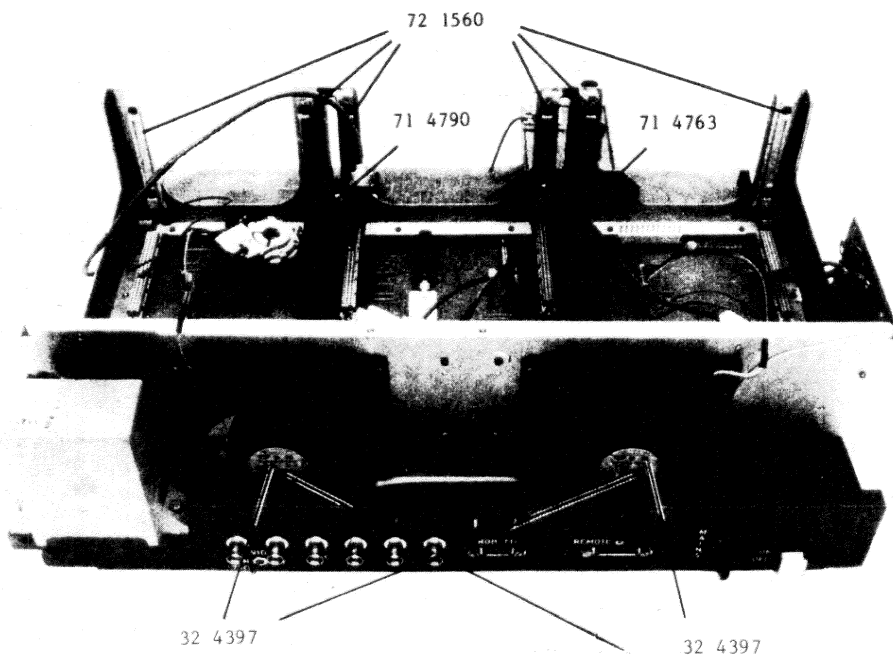
32 47155

31 3526

31 3532

32 47655





71 5771

71 5771

BARCO
Service

List of spare parts

ADJ/17.04.87/MCV

Art. n° 59 75492

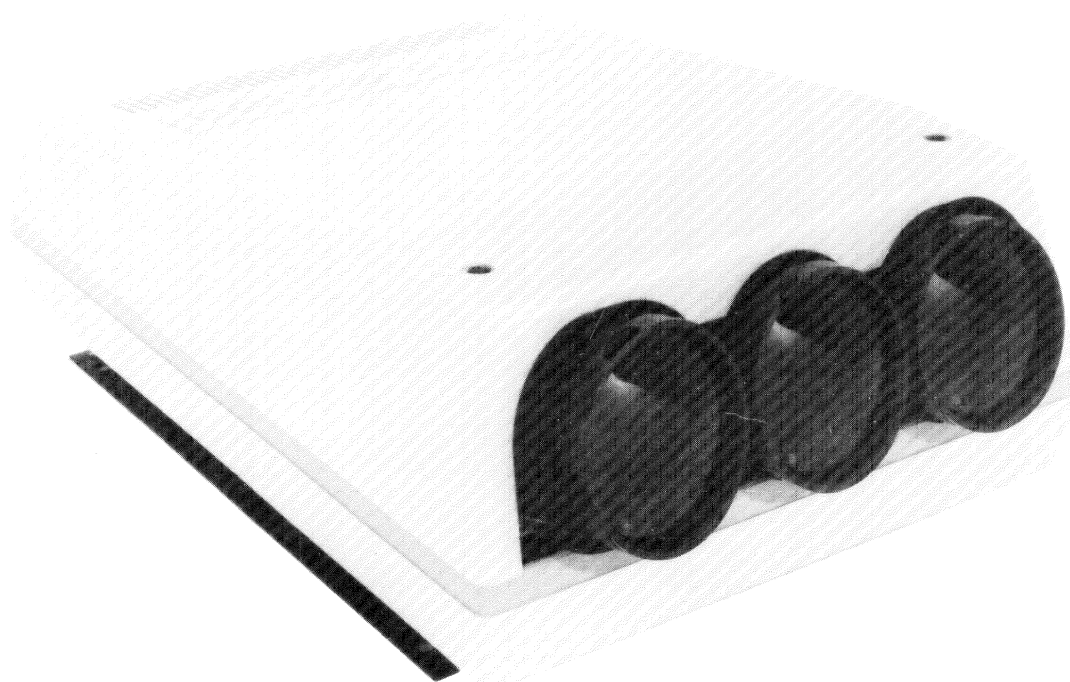
BARCO DATA

PC
PC PLUS

Stock n° 90 00170 : BARCODATA PC

Stock n° 90 00280 : BARCODATA PC PLUS

Stock n° 90 00300 : BARCODATA PC PLUS RGB



SUGGESTED

SPARE PARTS

A. ON BOARD LEVEL

* COMMON BOARDS

<u>Article nr.</u>	<u>Description</u>
76 11145	Unit Input RGB Analogue
76 11155	Unit Input RGB TTL
76 1126	Unit Deflection complete
76 1177 (to 1/5/87)	Unit Switch Mode Power Supply
76 11775 (from 1/5/87)	
76 11802	Unit Input Mains
76 12135	Unit VID + CON GEN75
76 12166	Unit Convergence + G2
76 1254	Unit N-S Horizontal
76 12718	Unit Sync + Vertical
76 1384	Unit Focus Control
76 13872	Unit CRT Red
76 13875	Unit CRT Green
76 13876	Unit CRT Blue
76 1389	Unit Frame
79 15514	Control Switch Board

* PROJECTOR RELATED BOARDS

BARCODATA PC (90 00170)

- Unit Horizontal + EHT : 76 12625
- Unit Auto Lock : 76 1279
- Unit Decoder Quad RGB + Enhancer : 76 1365

BARCODATA PC PLUS (90 00280)

- Unit Horizontal + EHT : 76 12628
- Unit Auto Lock : - 76 1278 (from 8/4/87)
- 76 12792 (to 8/4/87)
- Unit Decoder Quad RGB + Enhancer : 76 1365

BARCODATA PC PLUS RGB (90 00300)

- Unit RGB 30 MC : 76 1168
- Unit Horizontal + EHT : 76 12628
- Unit Auto Lock : - 76 1278 (from 8/4/87)
- 76 12792 (to 8/4/87)

B. ON COMPONENT LEVEL

Note : Capacitors, resistors, transistors, diodes and trimmers not mentioned, are standard components.

1. Unit input RGB Analogue (76 11145)

<u>Art. nr.</u>	<u>Description</u>
10 11129	Resistor 10E 0W25
10 11249	Resistor 100E 0W25
10 11309	Resistor 330E 0W25
13 1644	Rectifier diode 1N4001

2. Unit Input RGB TTL (76 11155)

<u>Art. nr.</u>	<u>Description</u>
13 4001	Integrated circuit 7805
13 7429	Integrated circuit 74S04
13 7430	Integrated circuit 74S09
13 7432	Integrated circuit 74S86
13 7433	Integrated circuit 74S10
13 7480	Integrated circuit 74LS123

3. Unit deflection complete (76 1126)

<u>Art. nr.</u>	<u>Description</u>
30 66381	Deflection unit YS33498

4. Unit Switch Mode Power Supply (76 1177)

<u>Art. nr.</u>	<u>Description</u>
10 11947	Resistor E47 0W40
10 12169	Resistor 22E 0W50
10 5002	Resistor NTC 50E 1W
13 1636	Schottky diode BAT43 SD101
13 1646	Rectifier diode 1N4007
13 19025	Rectifier diode BY255
13 1911	Rectifier diode PY206
13 1913	Rectifier diode BY229-1000
13 1918	Rectifier diode BYW72
13 1921	Rectifier diode BY299
13 1928	Rectifier diode BY229-600R
13 2747	Integrated circuit TDA4600
13 25096	Transistor BU508A
13 2579	Transistor BD651

5. Unit Switch Mode Power Sub (76 1177S)

<u>Art. nr.</u>	<u>Description</u>
13 1426	Transistor BC337
13 2570	Transistor BDX77/BD709
13 1914	Rectifier diode BYV19-45
13 1921	Rectifier diode BY299
13 1694	Opto coupler CNY17-3

6. Unit Switch Mode Power Pow (76 1177P)

<u>Art. nr.</u>	<u>Description</u>
13 1913	Rectifier diode BY299-1000
13 25095	Transistor BU508A

7. Unit Switch Mode Power Sub (76 1175S)

<u>Art. nr.</u>	<u>Description</u>
13 2776	Integrated circuit TDA2581

8. Unit Switch Mode Power Supply (76 11775)

<u>Art. nr.</u>	<u>Description</u>
10 5211	Resistor PTC 4K7
13 1646	Rectifier diode 1N4007
13 19025	Rectifier diode BY255
13 1911	Rectifier diode PY206
13 1915	Rectifier diode BY229-1000R
13 1921	Rectifier diode BY299
13 1927	Rectifier diode BY229-60
13 1928	Rectifier diode BY229-600R
13 1952	Rectifier diode BYW96E
13 1471	Transistor BF458
13 25094	Transistor BU508A 4X
13 25096	Transistor BU508A ON4046
13 2579	Transistor BD651 DAR
13 2215	Thyristor 151-650R BT
13 2787	Integrated circuit TDA 4601
13 4026	Integrated circuit 317T
13 4031	Integrated circuit 431C TL
13 4114	Integrated circuit 393
13 1694	Opto coupler CNY 17-3
31 4103	Fuse 3A150 5X20 SLOW
31 4106	Fuse 1A6 5X20 FAST
31 4198	Fuse Thermo 85 C

9. Unit input Mains (76 11802)

<u>Art. nr.</u>	<u>Description</u>
10 5018	Resistor NTC 4E7 2W
31 41041	Fuse 4A 5x20 SLOW

10. Unit VID + CON GEN75 (76 12135)

<u>Art. nr.</u>	<u>Description</u>
10 11289	Resistor 220E 0W25
13 7227	Integrated circuit SAA5020
13 7325	Integrated circuit 4069UB
13 7397	Integrated circuit 4013B
30 6834	X-tal 6.000 000 MHz PCM 5MM

11. Unit Convergence + G2 (76 12166)

<u>Art. nr.</u>	<u>Description</u>
10 11169	Resistor 22E 0W25
10 11209	Resistor 47E 0W25
13 2751	Integrated circuit TDA2030V
13 27655	Integrated circuit MC1496
13 4002	Integrated circuit 7812
13 4016	Integrated circuit 7912
13 4113	Integrated circuit TL084
13 7297	Integrated circuit 3054
13 2528	Transistor BC264B

12. Unit N-S Horizontal (76 1254)

<u>Art. nr.</u>	<u>Description</u>
13 1921	Rectifier diode BY299
13 2134	Integrated circuit TBA331
13 2751	Integrated circuit TDA2030V
13 2765	Integrated circuit MC1496P
13 4002	Integrated circuit 7812
13 4016	Integrated circuit 7912
13 4028	Integrated circuit LM317LZ
13 4029	Integrated circuit LM337LZ
13 4113	Integrated circuit TL084

13. Unit Sync. + Vert. (76 12718)

<u>Art. nr.</u>	<u>Description</u>
10 11289	Resistor 220E 0W25
10 11309	Resistor 330E 0W25
13 1426	Transistor BC337
13 14446	Transistor BD237
13 14451	Transistor BD238
13 25705	Transistor BD709
13 2751	Integrated circuit TDA2030V
13 2762	Integrated circuit TDA2595
13 4002	Integrated circuit 7812
13 4016	Integrated circuit 7912
13 4025	Integrated circuit 78L24
13 4113	Integrated circuit TL084
13 7297	Integrated circuit 3054

14. Unit Focus Control (76 1384)

<u>Art. nr.</u>	<u>Description</u>
10 5119	Resistor VDR 1000V
10 7601	Trimmer potentiometer 20M
13 1628	Switch diode BAW62
13 2102	Integrated circuit TAA550
13 25096	Transistor BU508A
13 2590	Transistor BC560B

15. Unit CRT Red (76 13872)

16. Unit CRT Green (76 13875)

17. Unit CRT Blue (76 13876)

18. Unit frame (76 1389)

<u>Art. nr.</u>	<u>Description</u>
76 12569	Quadrupler
76 1257	Splitter

19. Control switch board (79 15514)

<u>Art. nr.</u>	<u>Description</u>
10 7530	Multiturn 100K 0W50
10 71305	Potentiometer 4K7 0W50

20. Unit Horizontal + EHT (76 12625)

<u>Art. nr.</u>	<u>Description</u>
10 11209	Resistor 47E 0W25
10 11917	Resistor E22 0W40
10 12169	Resistor 22E 0W50
10 5118	Resistor VDR 460V 0W40
13 1907	Rectifier diode BY584 BY184
13 1913	Rectifier diode BY229-1000
13 1942	Rectifier diode BY448
13 1787	Zener diode 51V 0W5 C
13 2102	Integrated circuit TAA550
13 14311	Transistor BC327
13 25096	Transistor BU508A
13 2580	Transistor MJE350
13 2581	Transistor BF471
13 2588	Transistor BC550C
13 2596	Transistor BUT16 DAR
77 4126	EHT Transformer

21. Unit Auto Lock (76 1279 + 76 12792)

<u>Art. nr.</u>	<u>Description</u>
13 4002	Integrated circuit 7812
13 4016	Integrated circuit 7912
13 4032	Integrated circuit 78L05
13 4107	Integrated circuit 3302
13 4113	Integrated circuit 084
13 7279	Integrated circuit 7524L
13 7320	Integrated circuit 40001B
13 7322	Integrated circuit 4027B
13 73241	Integrated circuit 4049UB
13 7378	Integrated circuit 4538B
13 7379	Integrated circuit 4022B
13 7380	Integrated circuit 4029B
13 73885	Integrated circuit 4040B
13 7397	Integrated circuit 4013B
13 1491	Transistor BSX20 2N2369
30 6846	X-tal 4.000.000 MHz

22. Unit Decoder Quad RGB + Enhancer (76 1365)

<u>Art. nr.</u>	<u>Description</u>
10 11369	Resistor 1K 0W25
13 1771	Zener diode 150V 0W5
13 2134	Integrated circuit TBA331
13 2773	Integrated circuit TDA4560/-65
13 2778	Integrated circuit TDA4555
13 2779	Integrated circuit TDA3505
13 4002	Integrated circuit 7812
13 4031	Integrated circuit TL431C
13 1471	Transistor BF458
13 2514	Transistor BF469
30 6511	Delay Line M P/S DL710
30 6527	Delay Line M RGB 2x0.175USEC
30 6816	X-tal 8.867 238 MHz
30 6849	X-tal 7.159 090 MHz

23. Unit Horizontal + EHT (76 12628 + 76 1262S)

<u>Art. nr.</u>	<u>Description</u>
10 11209	Resistor 47E 0W25
10 12169	Resistor 22E 0W50
10 11917	Resistor E22 0W40
13 1611	Switch diode BA157
13 1907	Rectifier diode BY584 BY184
13 1913	Rectifier diode BY229-1000
13 1942	Rectifier diode BY448
13 14311	Transistor BC327
13 25096	Transistor BU508A
13 2580	Transistor MJE350
13 2581	Transistor BF471
13 2588	Transistor BC550C
77 4126	EHT transformer

24. Unit Auto Lock (76 1278)

<u>Art. nr.</u>	<u>Description</u>
13 2762	Integrated circuit TDA 2595
13 4002	Integrated circuit 7812
13 4016	Integrated circuit 7912
13 73241	Integrated circuit 4049B
13 7378	Integrated circuit 4538B
13 73885	Integrated circuit 4040B
13 7322	Integrated circuit 4027B
13 7379	Integrated circuit 4022B
13 7380	Integrated circuit 4029B

13 7279	Integrated circuit 7524L
13 4032	Integrated circuit 78L05
13 4113	Integrated circuit TL084
13 7397	Integrated circuit 4013B
13 7320	Integrated circuit 40001B
13 4107	Integrated circuit 3302
13 1491	Transistor BSX20 2N2369
30 6846	X-tal 4.000 000 MHz PCM 5MM

25. Unit RGB 30 MC (76 1168)

<u>Art. nr.</u>	<u>Description</u>
10 12169	Resistor 22E 0W50
13 1637	Switch diode RA158
13 1754	Zener diode 0.5C 3V3
13 1733	Zener diode 0.4C 2V1
13 1720	Zener diode 0.5C 6V2
13 1771	Zener diode 0.5B 150
13 1721	Zener diode 0.5C 13
13 1646	Rectifier diode 1N4007
13 2134	Integrated circuit TBA331
13 4002	Integrated circuit LM340T12
13 1491	Transistor BSX20 2N2369
13 2586	Transistor BFR95
13 1471	Transistor BF458

