



BARCO Projection Systems

SECTION T

service sheet

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**MOUNTING INSTRUCTIONS for the INFRA RED REMOTE  
RECEIVER 800 (98 27515)**

BARCO's external infrared remote receiver facilitates the use of the projector's infrared remote control in difficult installations.

The infrared receiver can be directly hardwired to any digitally controlled BARCO projector or through a switcher. A LED display indicates the selected source number. The special flexible fixation arm of the receiver allows to fix it in almost any position on the ceiling or wall.

**OPERATION**

Point the IR transmitter RCU800 or RCU800U at the front side of the IR Remote Receiver 800 (face with window).

Refer to owner's manual of the respective projector or switcher for further instructions about the use of the IR remote control.

# IR Remote Receiver 800

98 27515

(BD701)

## FEATURES:

- The housing can be rotated in horizontal and vertical position.
- The fixation arm can be mounted on almost any place (ceiling or wall) to facilitate the operation through the IR remote control unit.
- Receiving distance:  
Directly: up to 30 m  
Indirectly (through the screen): up to 10 m
- Receiving angle:  
in horizontal direction:  $\pm 45$  degrees  
in vertical direction:  $\pm 45$  degrees
- Communication with the projector or switcher is done through an optional D9-communication cable (5m/15m/30m).
- Powered through the D9 connection with the projector.
- A 2-digit LED display indicates the selected source.

## DIMENSIONS:

	mm	inch
Length	120	4.72
Width	65	2.56
Height	40	1.57

## WEIGHT:

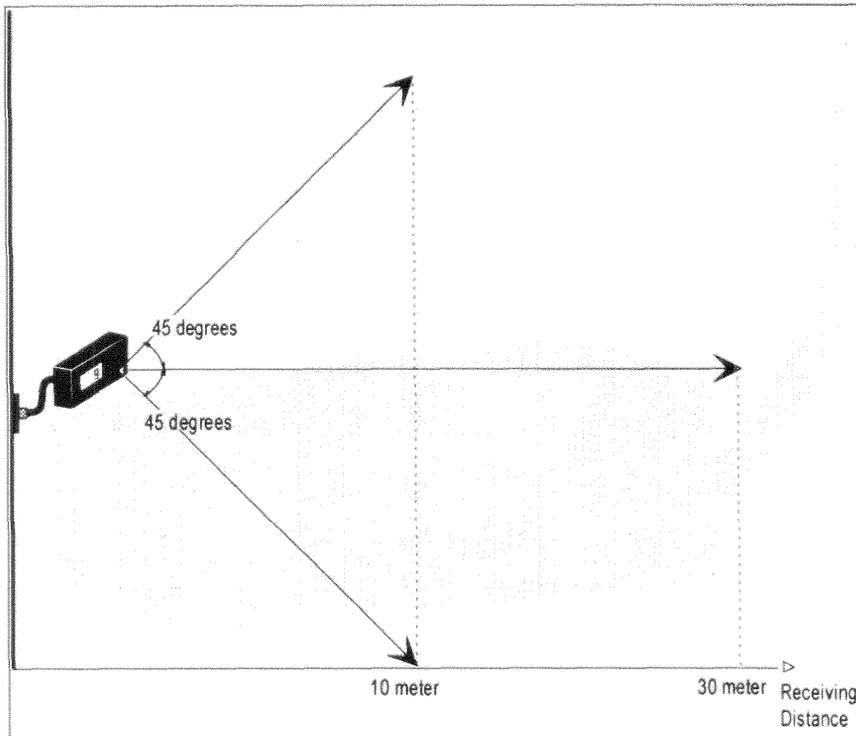
0.3 kg - 0.66 lbs

## ORDER INFORMATION:

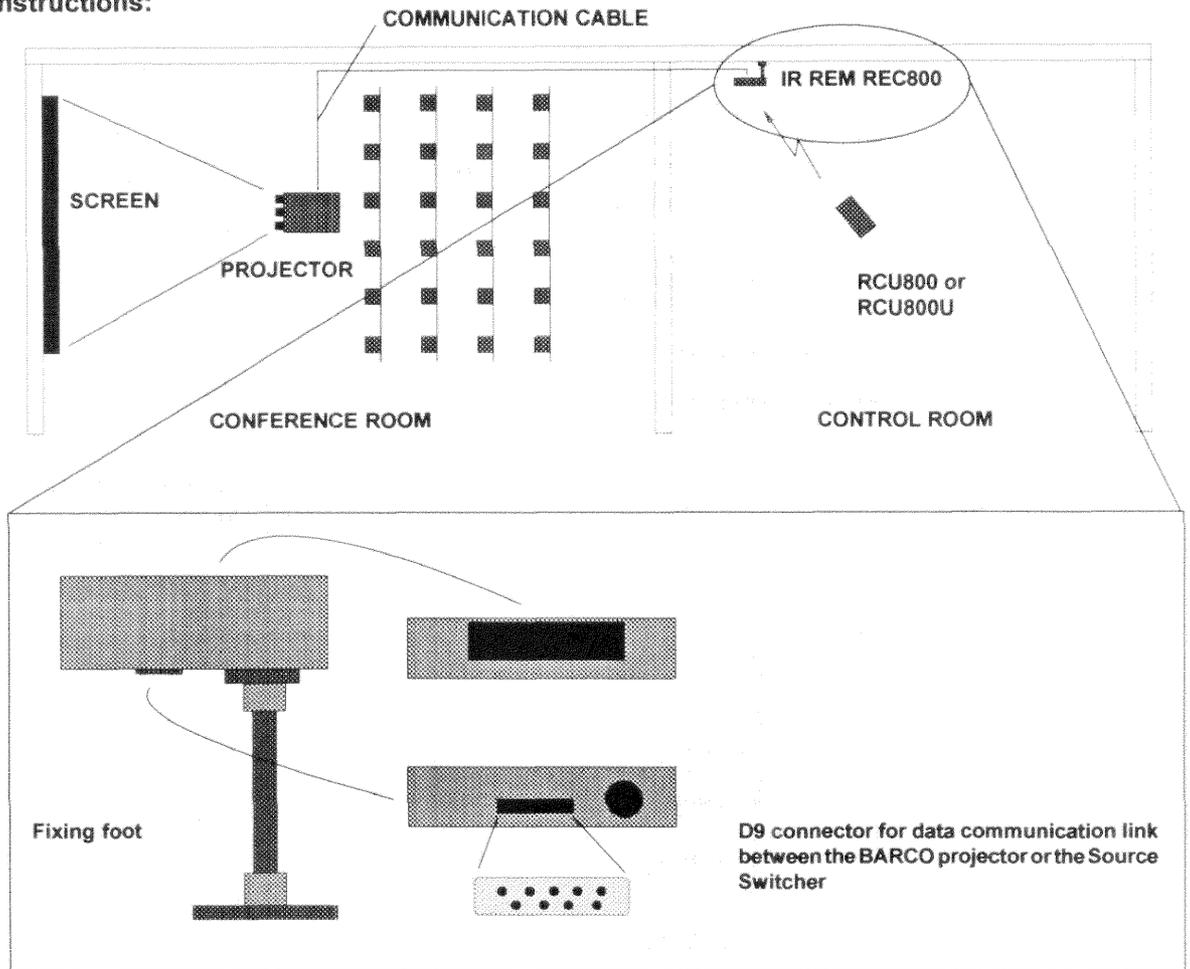
IR Remote Receiver 800 98 27515

Communication cable with 9-pin D-connector:

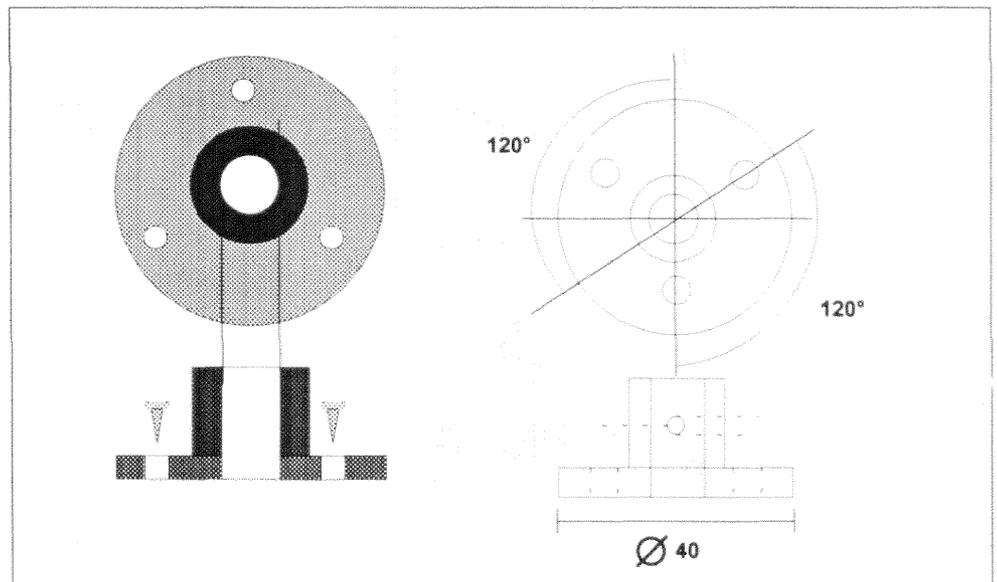
5 m (15')	98 27770
15 m (46')	98 27560
30 m (91')	98 27570



### Mounting instructions:



### Mounting instructions:

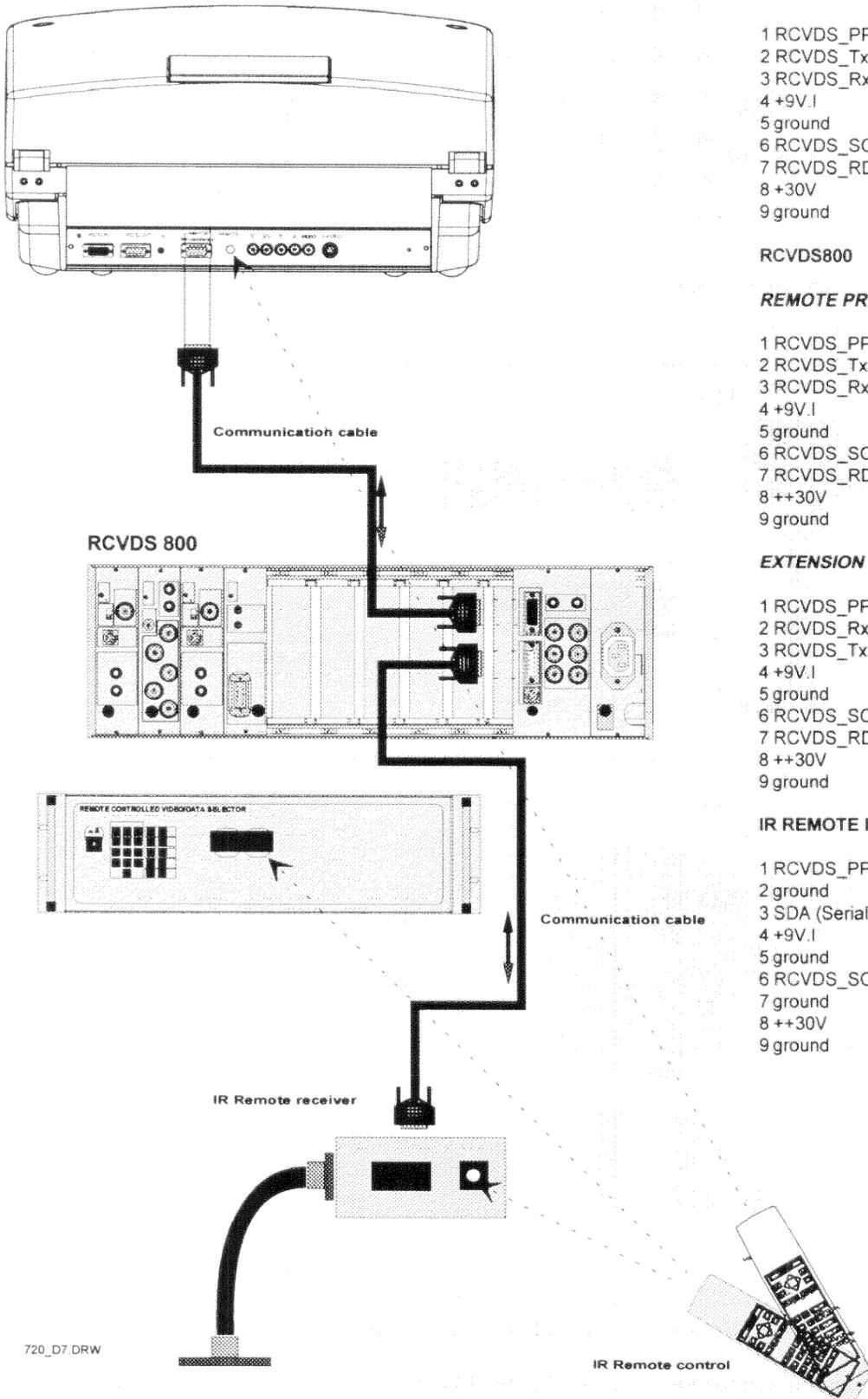


Mount the fixing foot of the IR Remote Receiver on the wall by means of three screws.

Install the communication connection between IR REMOTE RECEIVER and the PROJECTOR by means of the D9-D9 communication cable.

## Interconnection diagram

BD701



### COMMUNICATION PORT

- 1 RCVDS\_PPM (Pulse Position Mod.)
- 2 RCVDS\_TxD (Transmit DATA)
- 3 RCVDS\_RxD (Receive DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS\_SCL (Serial Clock line)
- 7 RCVDS\_RDY (Ready)
- 8 +30V
- 9 ground

### RCVDS800

### REMOTE PROJECTOR

- 1 RCVDS\_PPM OUT (Pulse Position Mod.)
- 2 RCVDS\_TxD (Transmit DATA)
- 3 RCVDS\_RxD (Receive DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS\_SCL IN (Serial Clock line)
- 7 RCVDS\_RDY OUT (Ready)
- 8 ++30V
- 9 ground

### EXTENSION

- 1 RCVDS\_PPM IN (Pulse Position Mod.)
- 2 RCVDS\_RxD (Receive DATA)
- 3 RCVDS\_TxD (Transmit DATA)
- 4 +9V.I
- 5 ground
- 6 RCVDS\_SCL OUT (Serial Clock line)
- 7 RCVDS\_RDY IN (Ready)
- 8 ++30V
- 9 ground

### IR REMOTE RECEIVER

- 1 RCVDS\_PPM (Pulse Position Mod.)
- 2 ground
- 3 SDA (Serial DATA line)
- 4 +9V.I
- 5 ground
- 6 RCVDS\_SCL (Serial Clock line)
- 7 ground
- 8 ++30V
- 9 ground

720\_D7.DRW

IR Remote control

## PARTS LISTING 98 27515

ITEM NO.	SIT.	DESCRIPTION
59 3082		BOX 0201 245X130X130 COSOC
59 3229		LS FOAM 700X140X15
59 75174		MAN INST PJ 49 IR REC 9827510
76 17625		UN DISPLAY PJ 49 GR800 IR UNIV

## PARTS LISTING 76 1763

ITEM NO.	SIT.	DESCRIPTION
76 1620		UN REC PJ EP IR RCVDS800
13 1685	D..1	LED 1DIG C.A RED HDSP5551
13 1685	D..2	LED 1DIG C.A RED HDSP5551
78 0014	PC..	PCB PJ 49 DISPL IR1*800 761763

## PARTS LISTING 76 17625

ITEM NO.	SIT.	DESCRIPTION
76 17625		UN DSPL PJ49 G800 IR SMP
76 1763		UN DSPL PJ49 G800 IR SUB
11 11565	C..1	C EL AX 10M Z 25E7 85
11 3730	C..2	C POMERA 330N K 63E2
11 2362	C..3	C N750MI 100P J 63E2
11 11565	C..4	C EL AX 10M Z 25E7 85
11 3730	C..5	C POMERA 330N K 63E2
13 16361	D..1	D BAT85 SCH DO35
13 2825	I..1	U 1064 SAA DIP24 PLED_D
13 7516	I..2	U 74LS242 DIP14 PTRANC
13 4032	I..4	U 78L05 TO92 PSTAB

## PARTS LISTING 76 1620

ITEM NO.	SIT.	DESCRIPTION
11 5940	C..2	C PP RA 10N J 63E2
11 59181	C..3	C PP RA 1N2J100E2
11 15915	C..8	C EL5 RAMI 4M7M 35E2 85
11 1476	C..11	C EL RA 47M Z 25E2 85
13 1681	D..4	D BPW41 PHO
13 2824	I..1	U 2800 TBA DIP14 PIRREC
30 61582	L..1	CH AX NS 1.5 MH
71 6581	PC..	PCS EP49 RCVDS800 RX IR

## PARTS LISTING 76 1762S

ITEM NO.	SIT.	DESCRIPTION
11 1468	C100	C EL RA 470M Z 16E2 85
11 2741	C101	C CE MI 1N5K 63E2
11 1476	C102	C EL RA 47M Z 25E2 85
13 1950	D100	D BYV27/150 R SOD57
13 7625	I100	U 34063 DIP8 PDC_DC
30 61341	L100	CH RA NS 100 UH
78 0182	PC..	PCS PJ49 800 DSPL IRSMP
10 11474	R100	R MF H 8K2 F 0W25
10 11414	R101	R MF H 2K7 J 0W25
10 1102	R102	R CF H 1E5 J 0W25 181

31 3284	J..1	J CIS MBS P 1 L6,2 RL
31 3284	J..2	J CIS MBS P 1 L6,2 RL
31 3284	J..3	J CIS MBS P 1 L6,2 RL
31 3284	J..4	J CIS MBS P 1 L6,2 RL
31 3284	J..5	J CIS MBS P 1 L6,2 RL
31 3284	J..6	J CIS MBS P 1 L6,2 RL
31 3284	J..7	J CIS MBS P 1 L6,2 RL
31 3284	J..8	J CIS MBS P 1 L6,2 RL
31 3284	J..9	J CIS MBS P 1 L6,2 RL
31 3284	J..10	J CIS MBS P 1 L6,2 RL
31 3284	J..11	J CIS MBS P 1 L6,2 RL
31 3284	J..12	J CIS MBS P 1 L6,2 RL
31 3284	J..13	J CIS MBS P 1 L6,2 RL
31 3284	J..14	J CIS MBS P 1 L6,2 RL
31 3284	J..15	J CIS MBS P 1 L6,2 RL
31 3284	J..16	J CIS MBS P 1 L6,2 RL
31 3284	J..17	J CIS MBS P 1 L6,2 RL
31 3284	J..18	J CIS MBS P 1 L6,2 RL
31 35011	J22.	J DE09 FBS P 9
78 0014	PC..	PCB PJ49 DSPL IR1*800 761763
13 14071	Q..1	Q BC547B N SS TO92 045A1
13 14071	Q..2	Q BC547B N SS TO92 045A1
13 14295	Q..3	Q BC549B N SS TO92 030A1
13 1411	Q..4	Q BC549C N SS TO92 030A1
10 1148	R..1	R CF H 10K J 0W25
10 1148	R..2	R CF H 10K J 0W25
10 1120	R..3	R CF H 47E J 0W25
10 1158	R..4	R CF H 68K J 0W25
10 1148	R..5	R CF H 10K J 0W25
10 1134	R..6	R CF H680E J 0W25
10 1160	R..7	R CF H100K J 0W25

# IR Remote Receiver 800

# 98 27515

(BD701)

## SPARE PARTS 98 27515

ART NO.	DESCRIPTION	QUANTITY
59 3082	BOX 0201 245X130X130 COSOC	1
59 3229	LS FOAM 700X140X15	1
59 75174	MAN INST PJ 49 IR REC 982751	1
76 17625	UN DISPLAY PJ 49 GR800 IR UNI	1

## SPARE PARTS 76 1763

ART NO.	DESCRIPTION	QUANTITY
13 1685	LED 1DIG C.A RED HDSP5551	2
76 1620	UN REC PJ EP IR RCVDS800	1

## SPARE PARTS 76 17625

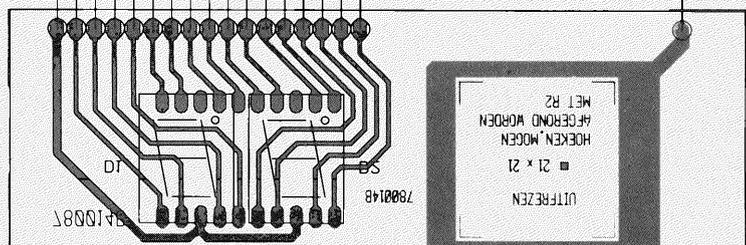
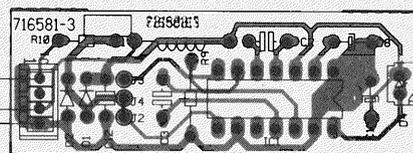
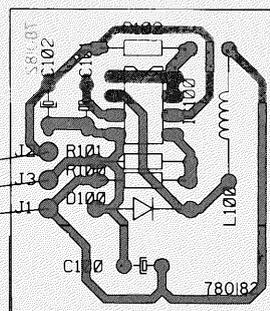
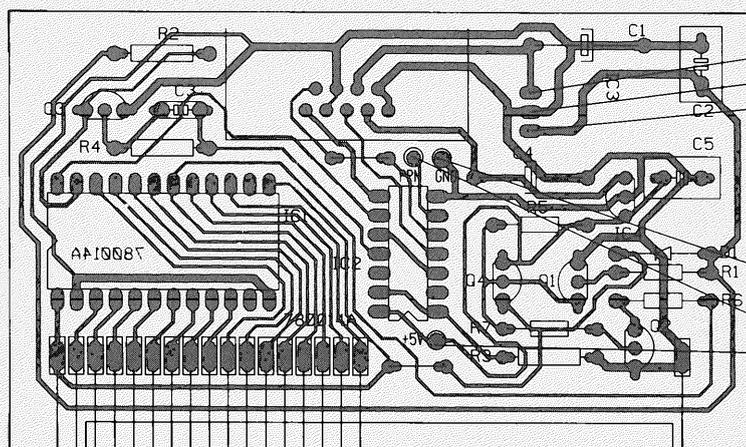
ART NO.	DESCRIPTION	QUANTITY
13 14071	Q BC547B N SS TO92 045A1	2
13 1411	Q BC549C N SS TO92 030A1	1
13 14295	Q BC549B N SS TO92 030A1	1
13 16361	D BAT85 SCH DO35	1
13 2825	U 1064 SAA DIP24 PLED_D	1
13 4032	U 78L05 TO92 PSTAB	1
13 7516	U 74LS242 DIP14 PTRANC	1
31 3284	J CIS MBS P 1 L6,2 RL	18
31 35011	J DE09 FBS P 9	1
36 21195	SCR DIN7985 M 2,5X 10 F B	3
36 2188	SCR DIN916 M 3 X 4 F	6
36 6110	NUT DIN934 M 2,5 F Z	3
36 7435	RVT POPS AD34ABS D2,4 AL2	
36 7502	WSHR DIN6798 A 3,2 F Z	2
59 3526	BAG PE 160X 220	1
72 1800	WDW EP IR REC+DISP RCVDS1	
76 1321D	UN RX EP IR RCVDS3	1
76 1762A	UN DSPL PJ49 G800 IR	1
76 1762S	UN DSPL PJ49 G800 IR SMP	1
76 1763	UN DSPL PJ49 G800 IR SUB	1
80 0738	HSG EP RCVDS3 IR RX FIX	1
80 0739	HSG EP RCVDS3 IR RX FIX	1
80 0740	HSG EP RCVDS3 IR RX FLX	1
80 1908	J D ACC LOCK SCR 4/M3	2
80 2926	HSG PJ49 DSPL HSG CPL	1

## SPARE PARTS 76 1620

ART NO.	DESCRIPTION	QUANTITY
13 1681	D BPW41 PHO	1
13 2824	U 2800 TBA DIP14 PIRREC	1
30 61582	CH AX NS 1,5 MH	1
76 1620D	UN RX EP49 IR RCVDS800	1
76 1781A	UN RX PJ49 G800 RR	1
80 2880	FRM PJ49 G800 RX IR SCR N	1

## SPARE PARTS 76 1762S

ART NO.	DESCRIPTION	QUANTITY
13 1950	D BYV27/150 R SOD57	1
13 7625	U 34063 DIP8 PDC_DC	1
30 61341	CH RA NS 100 UH	1
76 1762SD	UN DSPL PJ49 G800 IR SMP	1
80 2347	SPR RVT L13 D 5 M3 M	2



COMP.	LOC.	COMP.	LOC.
C1	C 2	J5	A 4
C2	D 3	J5	A 3
C2	D 3	J6	A 4
C2	C 3	J6	A 3
C3	D 3	J7	A 4
C3	D 3	J7	A 3
C3	A 2	J8	A 4
C4	B 3	J8	A 3
C5	C 3	J9	B 4
C8	D 3	J9	A 3
C8	D 3	J10	B 4
CI1	D 3	J10	A 3
CI1	D 3	J11	B 4
CI2	C 3	J11	A 3
CI00	C 3	J12	A 4
CI01	C 2	J12	B 3
CI02	C 2	J13	A 4
		J13	B 3
D1	C 3	J14	A 4
D1	A 4	J14	B 3
D1	C 3	J15	B 4
D2	C 3	J15	B 3
D2	B 4	J16	B 4
D4	D 3	J16	B 3
D4	D 3	J17	A 4
D100	C 2	J17	A 3
		J18	C 4
IC1	D 3	J18	C 3
IC1	D 3	J19	B 3
IC1	B 3	J20	B 3
IC2	B 3	J21	B 3
IC3	C 2	J22	B 3
IC4	C 3		
IC100	D 2	L1	C 3
		L100	D 3
J1	C 3	Q1	B 3
J1	D 3	Q2	C 3
J1	A 4	Q3	A 3
J1	A 3	Q4	B 3
J2	D 3		
J2	C 2	R	C 3
J2	D 3	R2	A 2
J2	A 4	R3	B 3
J2	A 3	R4	A 3
J3	D 3	R5	C 3
J3	C 2	R6	C 3
J3	D 3	R7	B 3
J3	A 4	R9	D 3
J3	A 3	R9	D 3
J4	D 3	R10	C 3
J4	D 3	R100	C 2
J4	A 4	R101	C 2
J4	A 3	R102	D 2

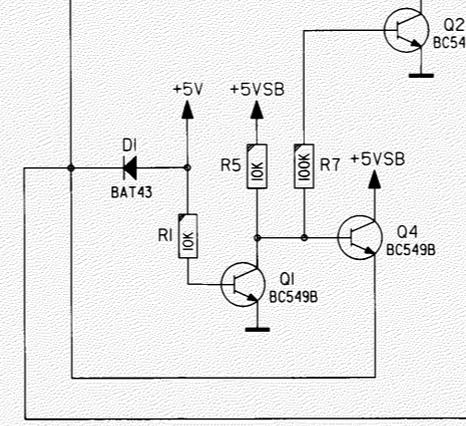
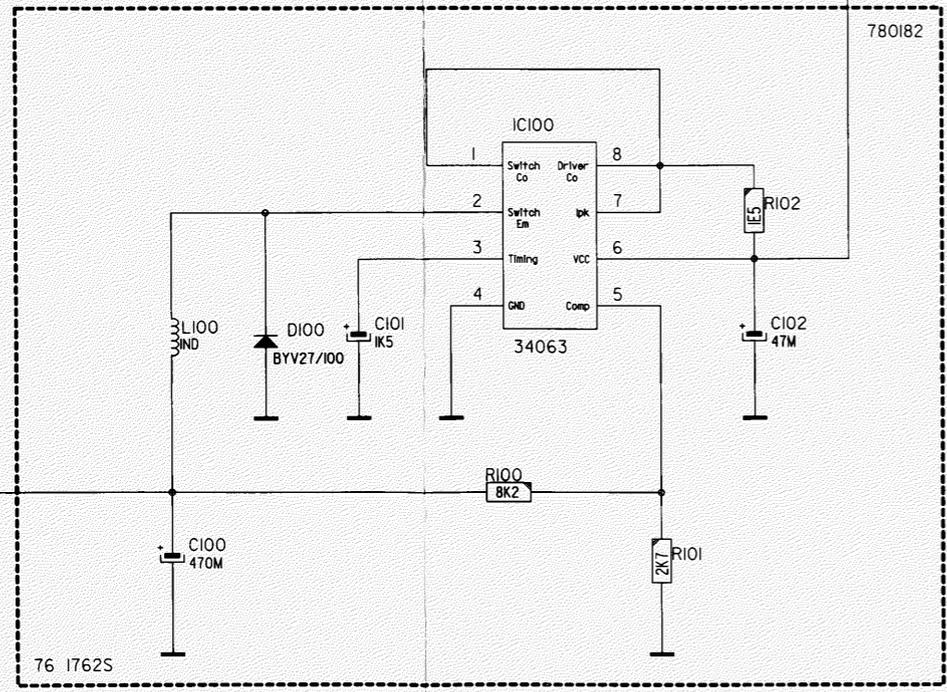
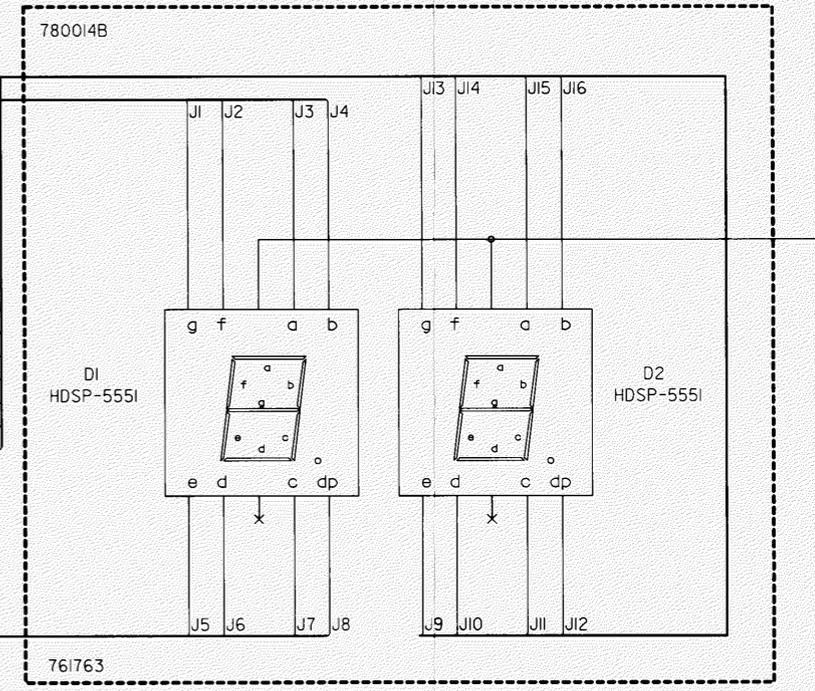
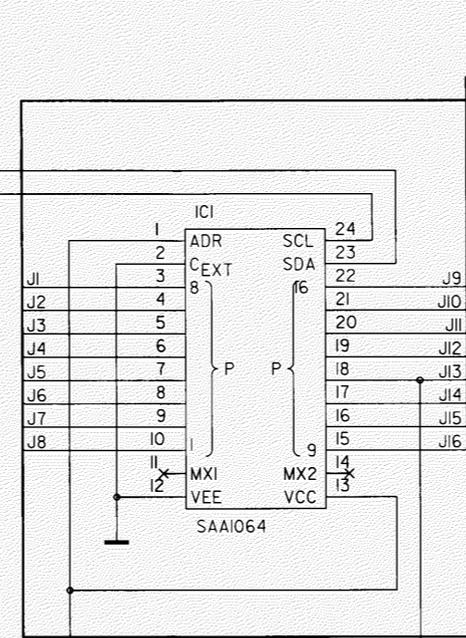
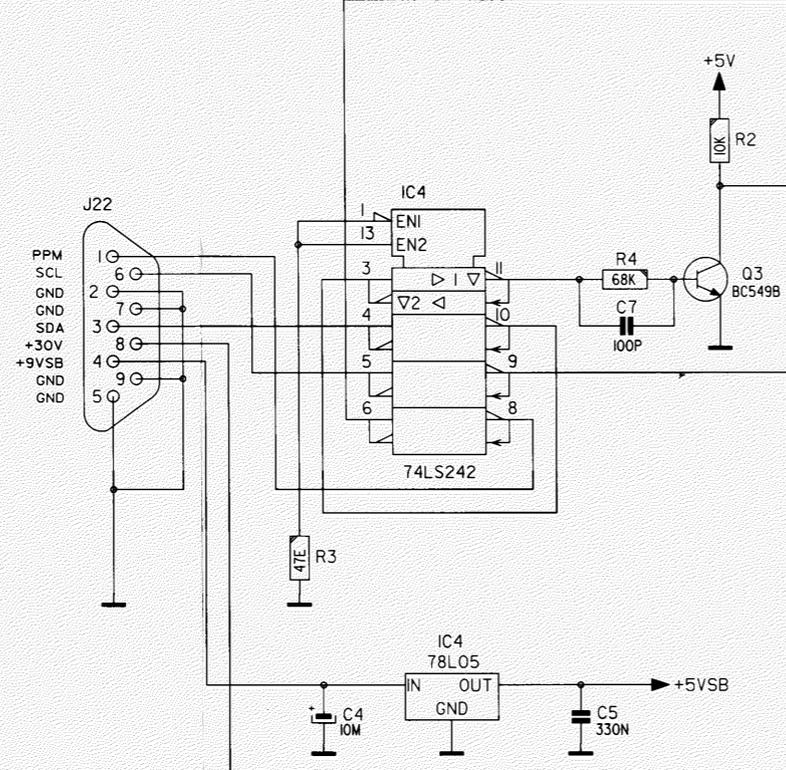
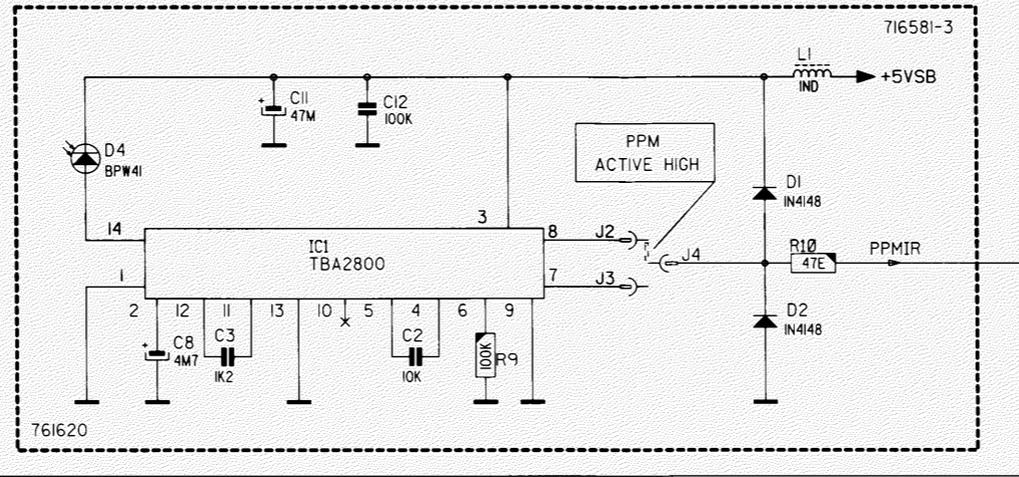
Name	IR REMOTE RECEIVER	Article nr.	76 17625
Date	22-12-1993	Drawn	JVDY
		Checked	GT

BARCO PROJECTION SYSTEMS

Modifications reserved

COMP. LOC.

C2	A	6
C2	D	2
C3	D	2
C4	C	4
C5	D	4
C7	D	3
C8	C	2
C11	D	1
C12	D	1
C100	B	6
C101	B	5
C102	C	5
D1	E	1
D1	F	3
D1	F	5
D2	C	2
D2	C	3
D4	C	1
D100	B	5
IC1	D	1
IC1	E	3
IC4	C	4
IC4	C	3
IC100	C	5
J2	E	1
J3	F	1
J4	F	1
J22	B	3
L1	E	1
L100	B	5
Q1	E	5
Q2	F	4
Q3	D	3
Q4	F	5
R1	E	5
R2	D	2
R3	C	4
R4	D	3
R5	E	5
R6	E	4
R7	E	5
R9	D	2
R10	E	1
R100	C	6
R101	C	6
R102	C	5



Name		IR REMOTE RECEIVER	Article nr.
Date		22-11-1993	76 1762S
Drawn	JVDY	Checked	GT
BARCO PROJECTION SYSTEMS			

Modifications reserved





**Ceiling mount adapter 700 (Color=Beige) 98 27850**

**Ceiling mount adapter 700 (Color=Black) 98 27851**

## SPARE PARTS

### SPARE PARTS 98 27850

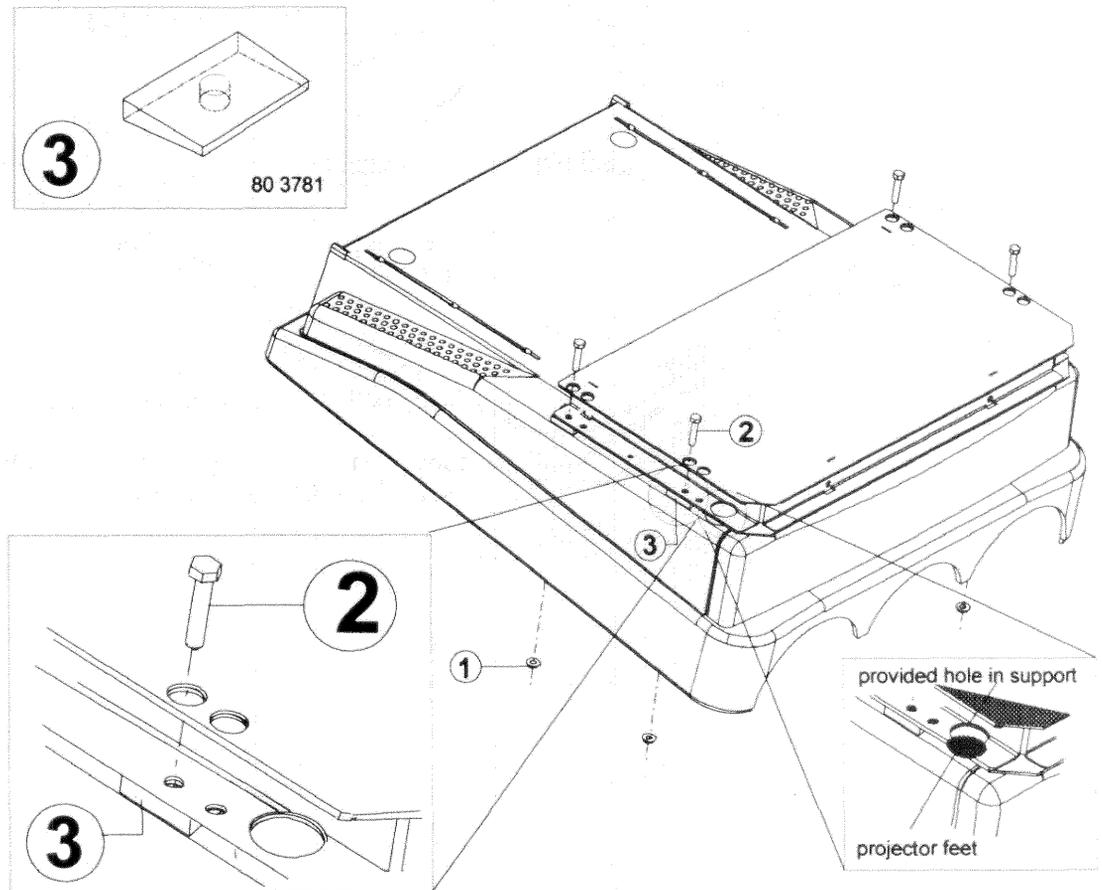
ART NO.	DESCRIPTION	QUANTITY	Ref. Fig.
36 23378	SCR D933 M 5 X 35 HI	4	(4)
36 23482	SCR D933 M 6 X 35 HS B	4	(2)
36 73796	WSHR D125 A 5.3 B	4	(5)
59 75055	MAN INS EJ53 CLG MOUNT	1	
80 3781	FRM PJ53 CLG WEDGE	4	(3)
80 3783	P BOX EP53 V700 CLG	1	
80 5194	FRM PJ53 CLG CPL BEIGE	1	

### SPARE PARTS 98 27851

ART NO.	DESCRIPTION	QUANTITY	Ref. Fig.
36 23378	SCR D933 M 5 X 35 HI	4	(4)
36 23482	SCR D933 M 6 X 35 HS B	4	(2)
36 73796	WSHR D125 A 5.3 B	4	(5)
59 75055	MAN INS EJ53 CLG MOUNT	1	
80 3770	FRM PJ53 CLG CPL	01	1
80 3781	FRM PJ53 CLG WEDGE	4	(3)
80 3783	P BOX EP53 V700 CLG	1	

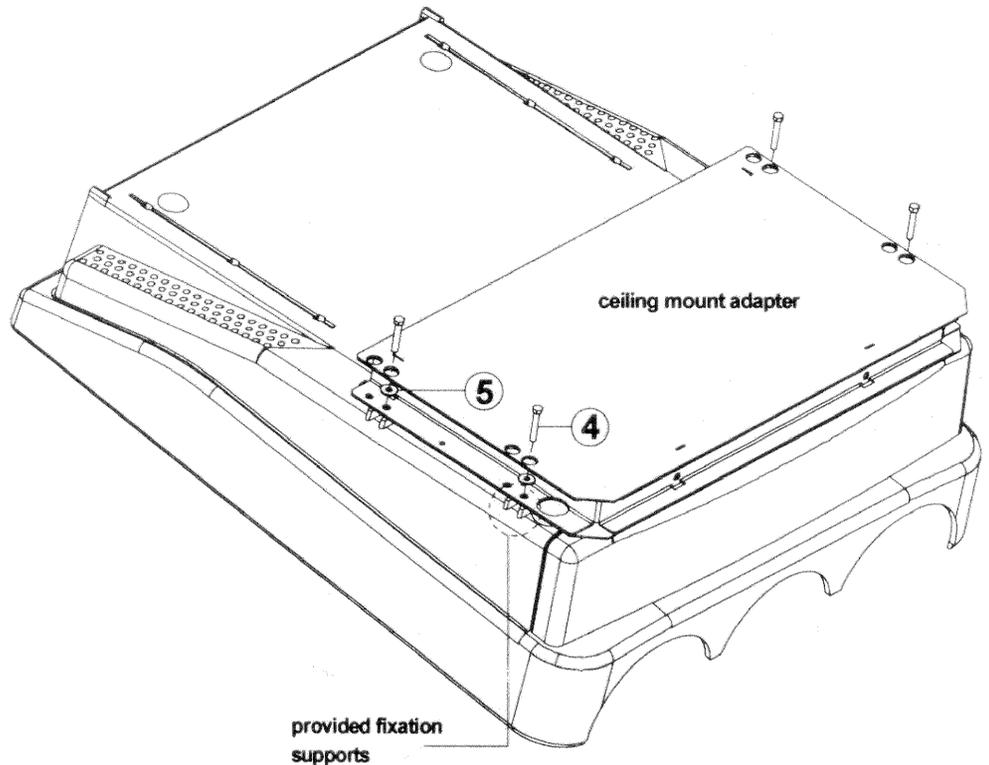
## Mounting instructions

a. Bottom cover of the projector **not** provided with fixation supports



- Remove top cover.
- Remove the nut (1) of the four bolts (2), holding CRT frame to bottom cover, and remove the bolts.
- Place the adapter assembly on the bottom cover lining up the two front feet of the projector with the provided holes in the adapter base plate.
- Place the 4 fixation supports (3) between bottom cover and ceiling adapter (refer to illustration).
- Secure the total assembly with the **new** bolts (2) (refer to spare parts list) and the previously removed nuts (1).

a. Bottom cover of the projector provided with fixation supports



- Remove top cover.
- Place the adapter assembly on the bottom cover lining up the two front feet of the projector with the provided holes in the adapter base plate.
- Secure the ceiling mount adapter on the bottom cover using the bolts (4) and washer (5) (refer to spare parts list). (The nut for the four bolts is already inserted in the bottom cover)