Line Doubler Kit for RCVDS 05 R9828280

RCVDS05 + Quad Decoder+Line Doubler

Description:

This document provides information on the mounting of the Quad Decoder, the Decoder Interface module and the Line Doubler module in the RCVDS 05 and its action on the specified input signals.
For other operational information, consult the Owner's Manual for the RCVDS 05 (order number R5975765).

Note: If interference disturbs the projected image in the (S)-Video mode, replace the input module S-Video R762244 (discrete version) by the S-Video input module R7622445 (SMD version).

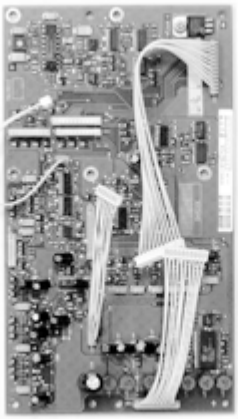
Art. No.: R5975906 Rev. 06

Line Doubler Kit for RCVDS 05 R9828280

ATTENTION
To use the Quad Decoder feature in the RCVDS05, an adapted communication software is required (see page 3)

KIT R762710

Quad Decoder
R7627455



Decoder interface
R762705

Screw R360862

Spacer
R367614

KIT R762709

Line Doubler
R7625625

9-wire Cable
Z348509

10-wire Cable
Z3484106

11-wire Cable
Z3495112

Spacer
R367614

Parts Listing for the Kit R9828280

ITEM NO.	DESCRIPTION	QUANTITY
R32861910	U_S RCVDS05 310	1
R593010	BAG PE 80X 120X0.06 WL	1
R593472	BOXBLKAST 82X 55X 20	1
R593545	BAG ASTSH 203X 305	2
R593546	BAG ASTSH 152X 254	1
R5975896	MAN SER EP51 RCVDS05DCOMB	1
R5975906	MAN SER EP51 RCVDS05L_DBL	1
R762709	**UN LDB EP51C RCVDS05**	**1**
R762710	**UN DEC EP51C RCVDS05 +INT**	**1**
R804793	BOX509AST 300X300X 55 2NB	1

Parts Listing for the Kit R762709

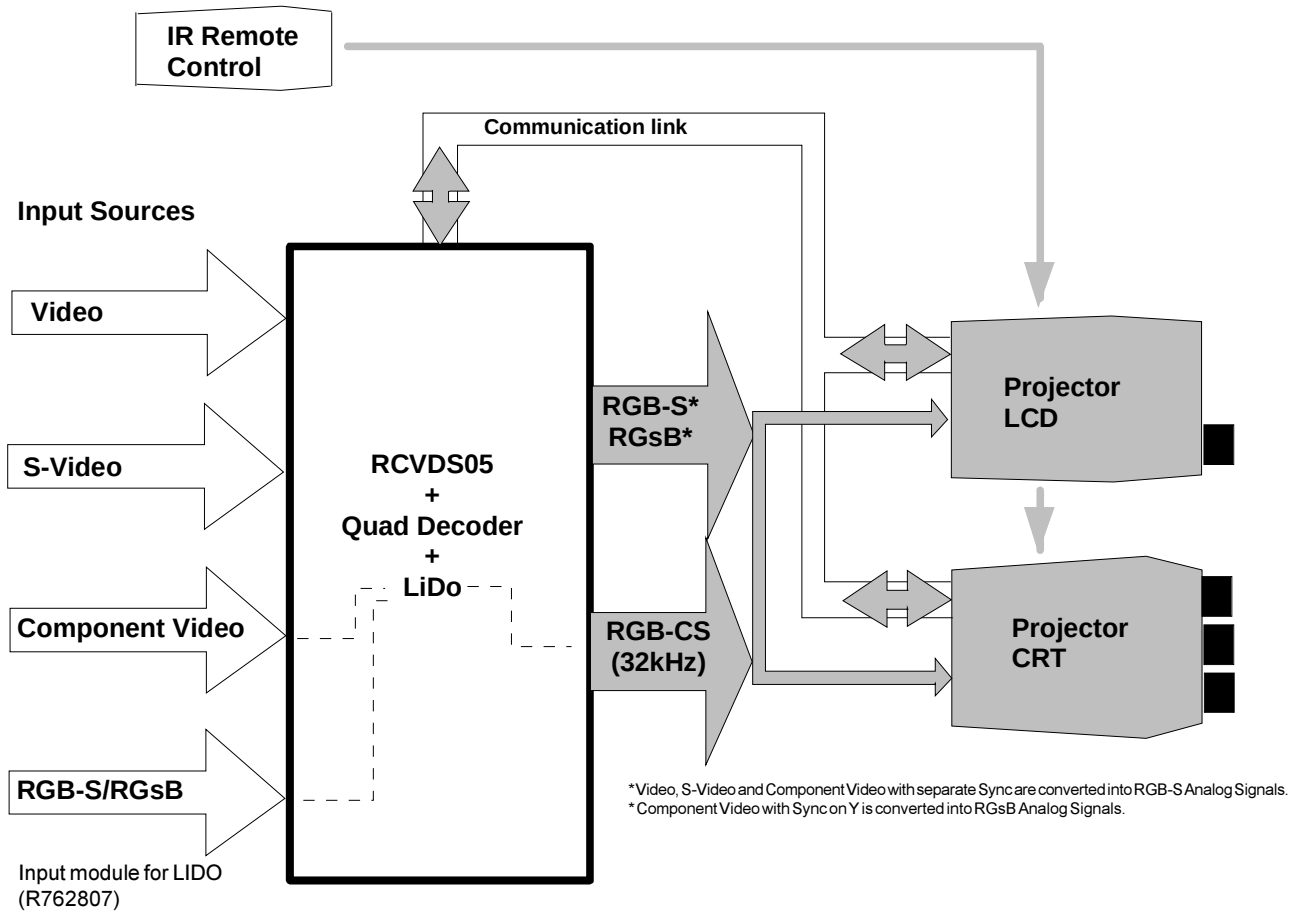
ITEM NO.	DESCRIPTION	QUANTITY
R367614	SPR L25 M 3 H 5 NBRNI	6
R7625625	**UN LDB PJ53 *701**	**1**
V3247535	SPR L 1.5 D 3.1D 4.5 BRNI	2
Z348509	CD CT FTFT P 9 100	1
Z3495106	CD CT FTFT P10 120	1
Z3495112	CD CT FTFT P11 130	1

Parts listing for the Kit R762710

ITEM NO.	DESCRIPTION	QUANTITY
R360862	SCR Z$7985 M 3 X 8 STZY	7
R367614	SPR L25 M 3 H 5 NBRNI	3
R762705	UN INT EP51 RCVDS05 COMB	1
R7627455	**UN DEC PJ53 *808S COMB_F**	**1**

Line Doubler Kit for RCVDS 05 R9828280

The projector communication software checks the presence of the Quad Decoder in the RCVDS 05 when an input source Video, S-Video or Component Video is selected. When the projector uses the adapted communication software (see table below), these input signal types are converted to RGB/S output signals.



CRT Projector type	Software version**
BARCOVISION 701	not adapted
BARCODATA 701	not adapted
BARCOGRAPHICS 801S	from V5.30 on
BARCODATA 801S	from V5.30 on
BARCODATA 1101	not adapted
BARCOVISION 1600	not adapted
BARCOGRAPHICS 1208	from V5.31 on
BARCOGRAPHICS 1209	from V5.31 on
BARCODATA 1109	adapted from release
BARCOVISION 1609	adapted from release
BARCOGRAPHICS 808	adapted from release
BARCODATA 808	adapted from release

LCD Projector type	Software version**
BARCODATA 5000	not adapted
BARCODATA 8000	not adapted
BARCOGRAPHICS 8100	adapted from release
BARCODATA 2100	adapted from release
BARCODATA 3100	from (V1.07**) - V2.07
BARCODATA 3000	from V2.07
BARCODATA 5100	from (V1.07**) - V2.07
BARCODATA 8100	from (V1.07**) - V2.07

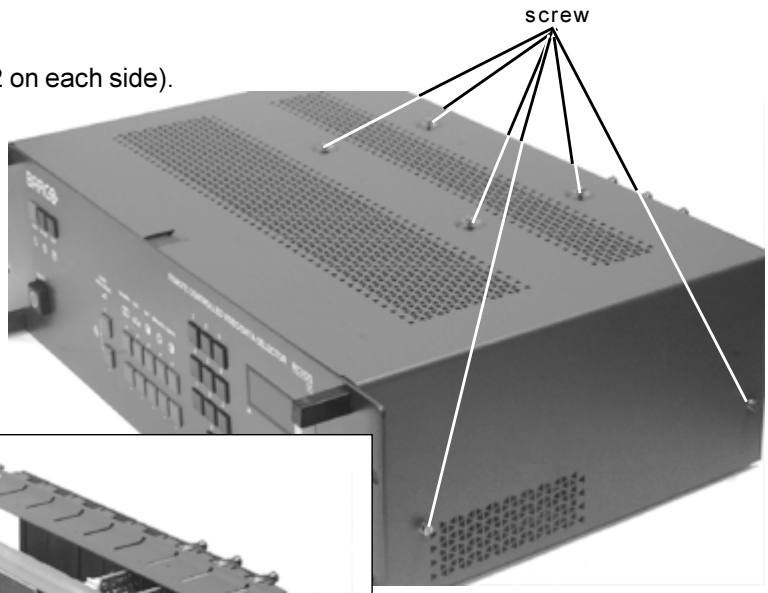
** Soft V1.07 is made for the earlier type Pixel Map Processor part# R762471.

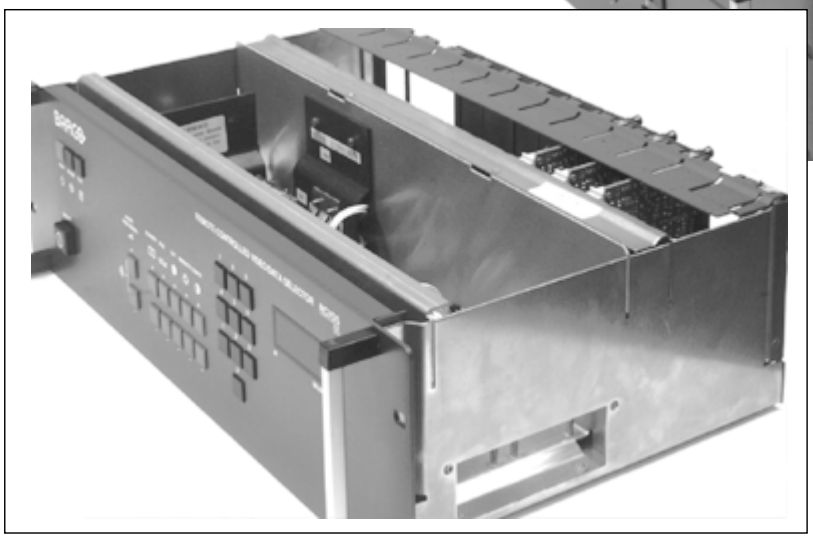
**Software version of the projector can be read on the 'Start Up' or 'Identification' on screen menu.

Mechanical disassembly of the RCVDS 05 for internal mounting of the kit

1. Removing the top cover

Remove the 8 screws (4 on the top and 2 on each side).
Lift top cover clear of unit.

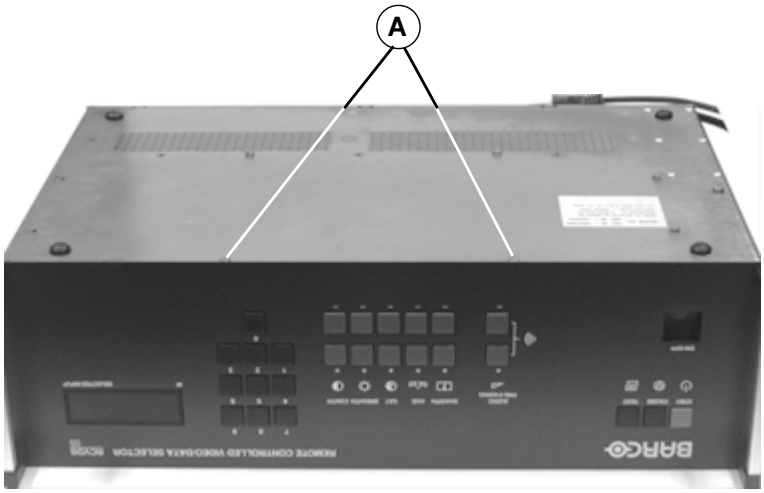




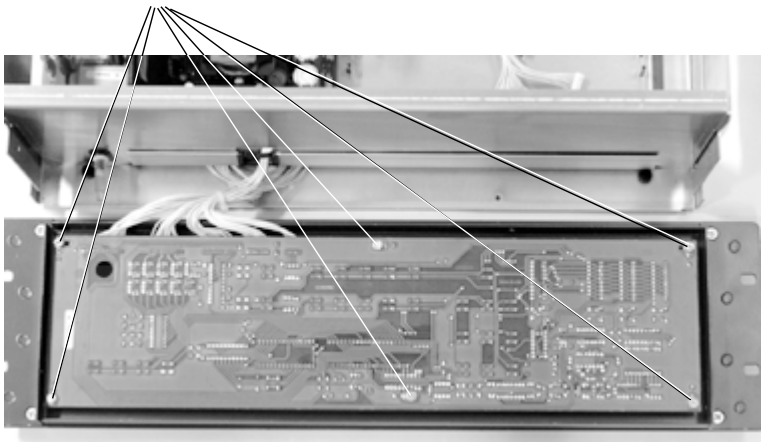
2. Removing the front panel (for software adaptation)

Pull off the power button.

Remove the screws holding frontpanel to main frame, two on bottom (A) and one on each side (B)

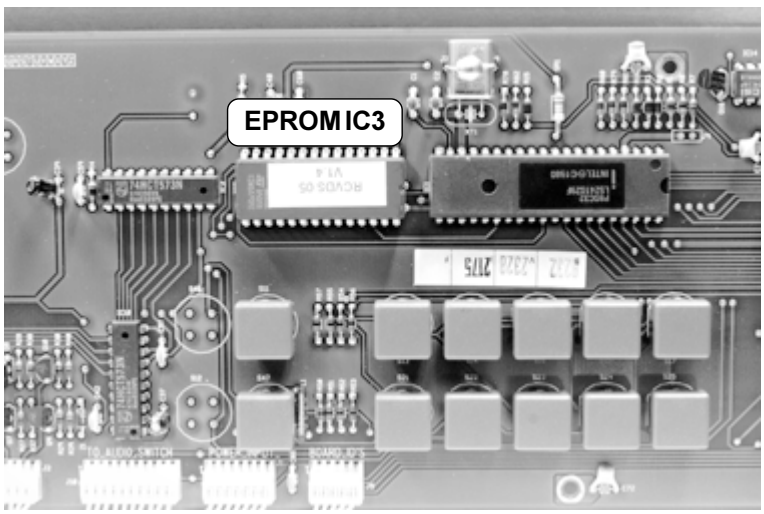


Remove the 6 screws holding control panel module to frontplate



Replace the EPROM IC3 by the one provided in the kit, if the existing software version is lower than 2.10.

CHECK: if the TEXT button is pressed for a few seconds, the version of the installed software is shown on the front panel display.



Re-install control panel module and power button following the above steps in reverse succession.

Mechanical mounting of the Decoder Interface module

Place the **Decoder Interface** module on the provided spacers (fig.1) on the main frame. Take care to line up the threaded holes of the spacers with the holes on the module (fig.2).

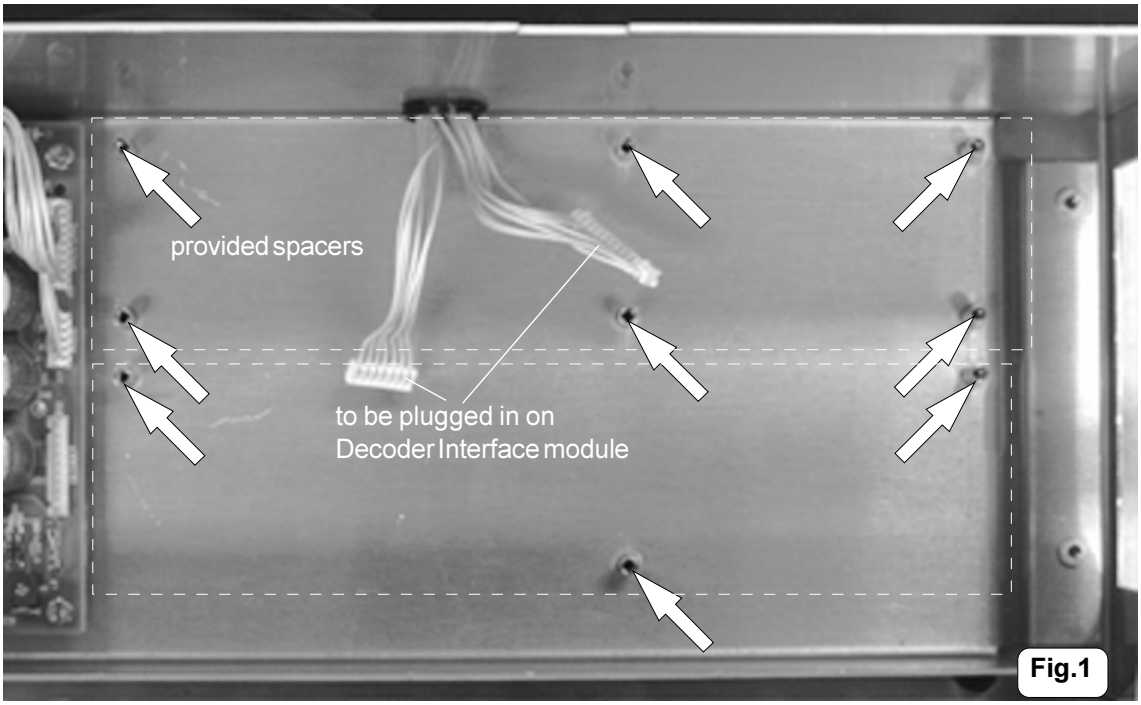


Fig.1

Secure the position of the Decoder Interface module by insertion of 3 spacers (A), 2 spacers (B) and two screws (C) as shown below (fig. 2).

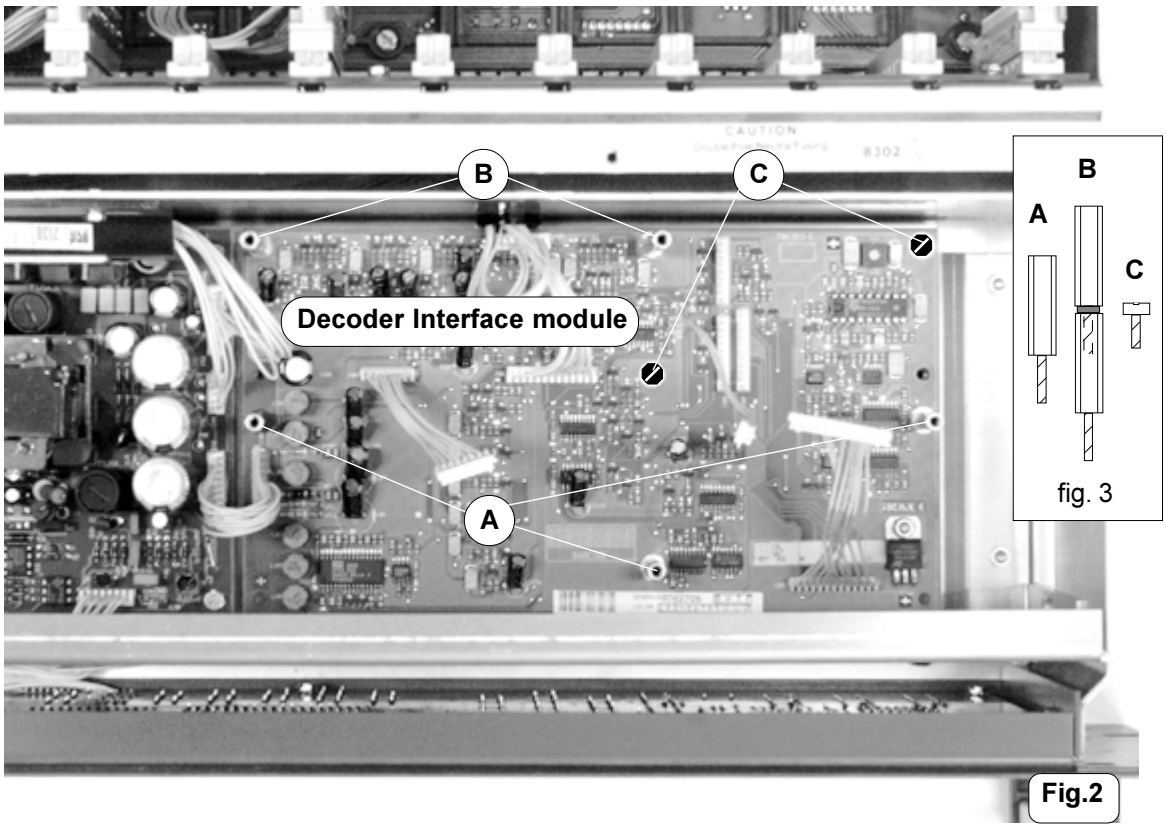


Fig.2

Interconnection Decoder Interface module, Power Supply and Module frame

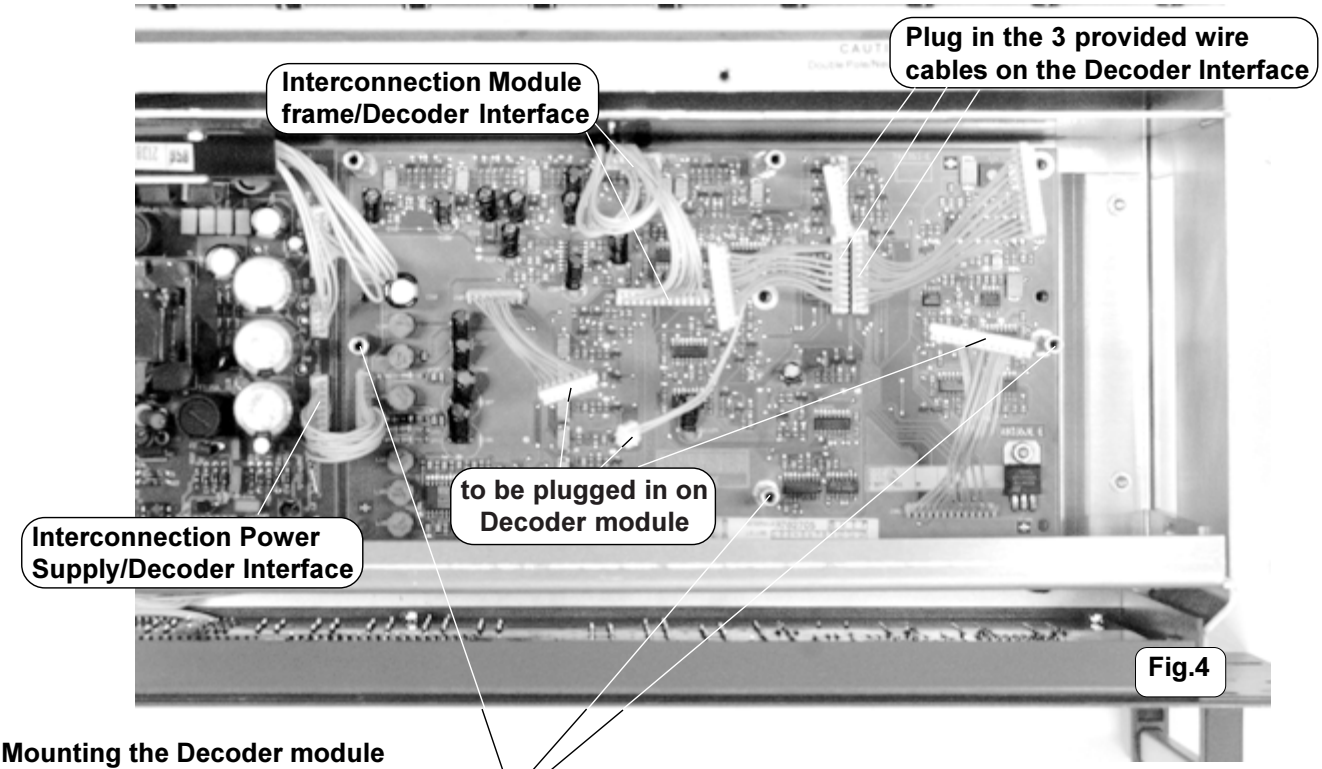


Fig.4

Mounting the Decoder module

Place the **Decoder** module on the 3 provided spacers (fig.4) on the Decoder Interface module. Take care to line up the threaded holes of the spacers with the holes on the module (fig.5).

Secure the position of the Decoder module by insertion of 2 spacers (A) and one screw (C) as shown below (fig. 5).

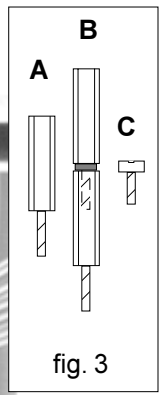


fig. 3

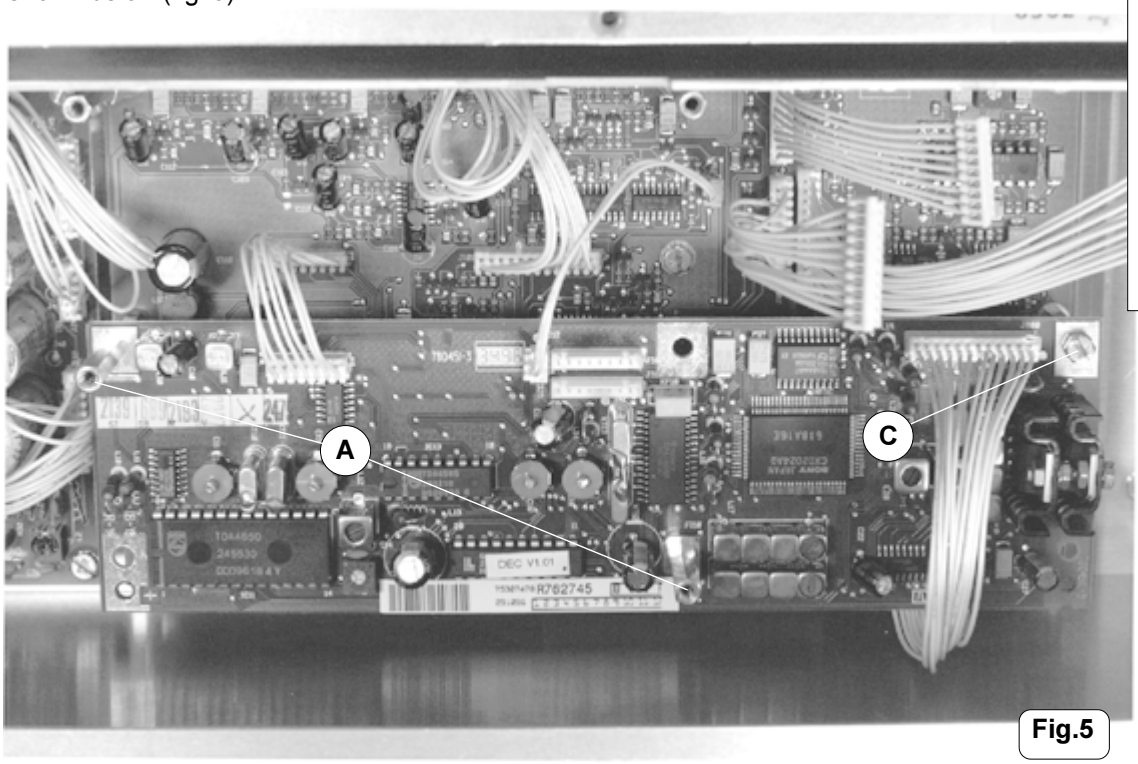


Fig.5

Interconnection Decoder module and Decoder Interface module (Fig.4 & Fig.6)

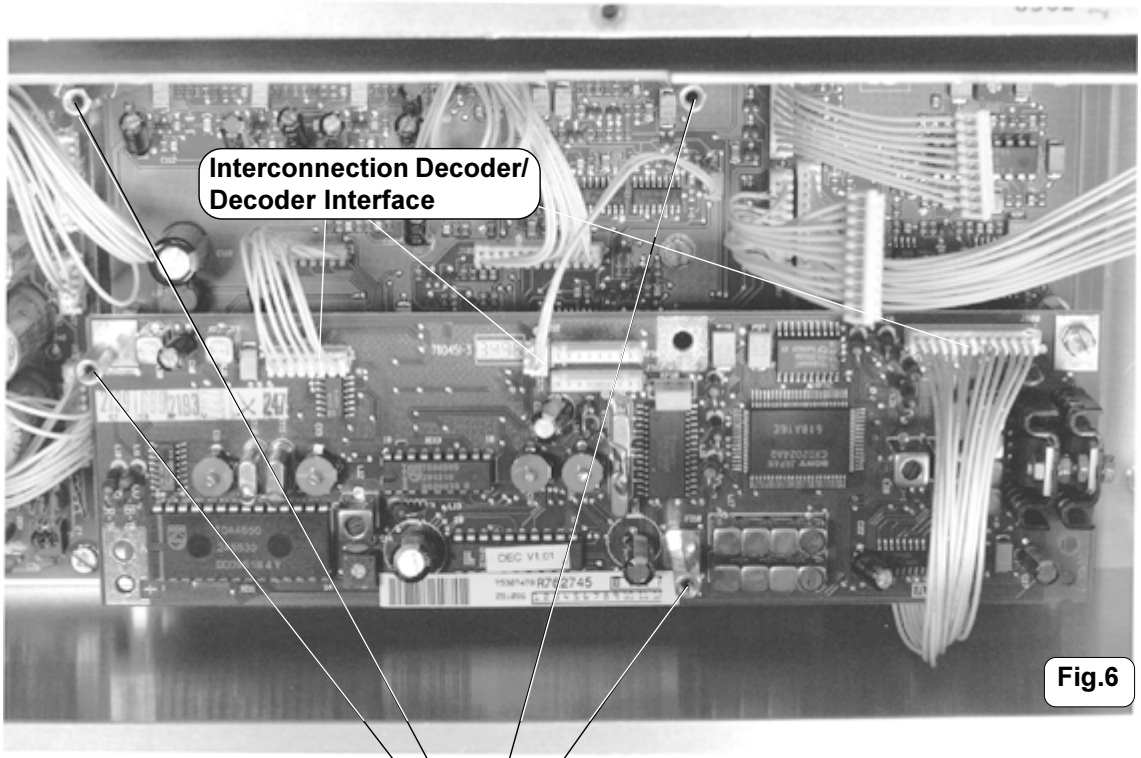


Fig.6

Mounting the Line Doubler module

Place the **Line Doubler** module on the 4 provided spacers (fig.6) in the base. Take care to line up the threaded holes of the spacers with the holes on the module (fig.7).

Secure the position of the **Line Doubler** module by insertion of 4 screws.

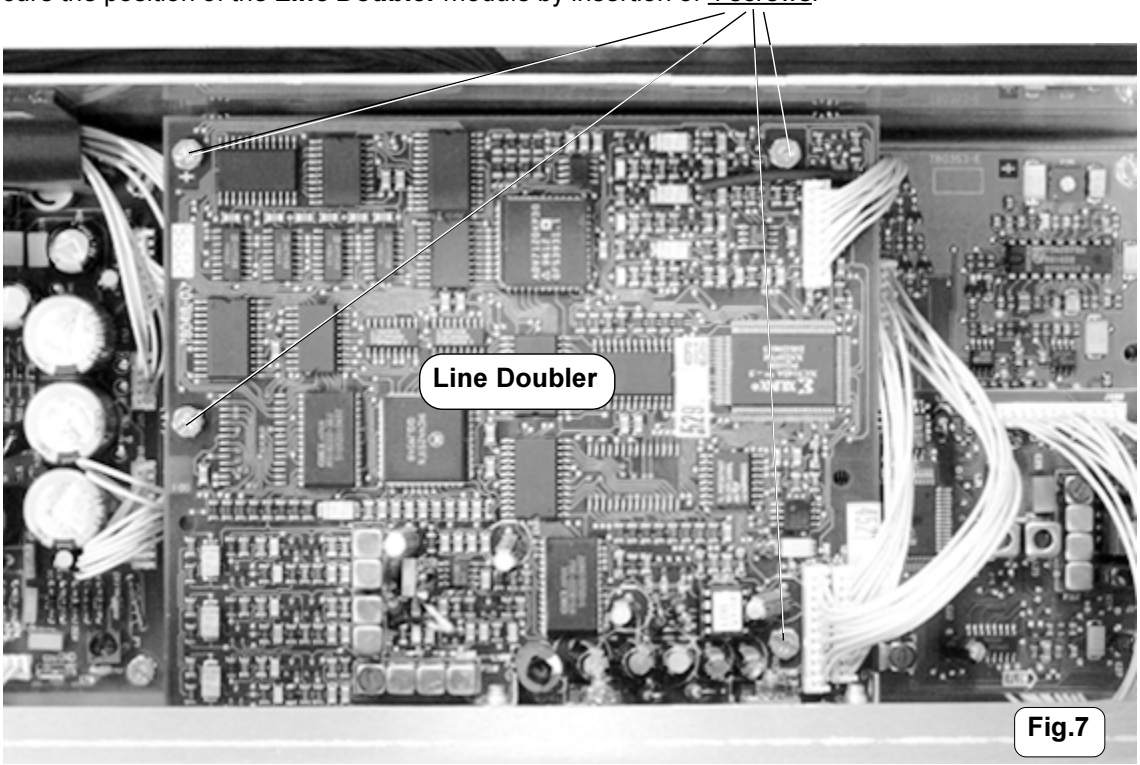


Fig.7

Interconnection Line Doubler module and Decoder Interface module (Fig.8)

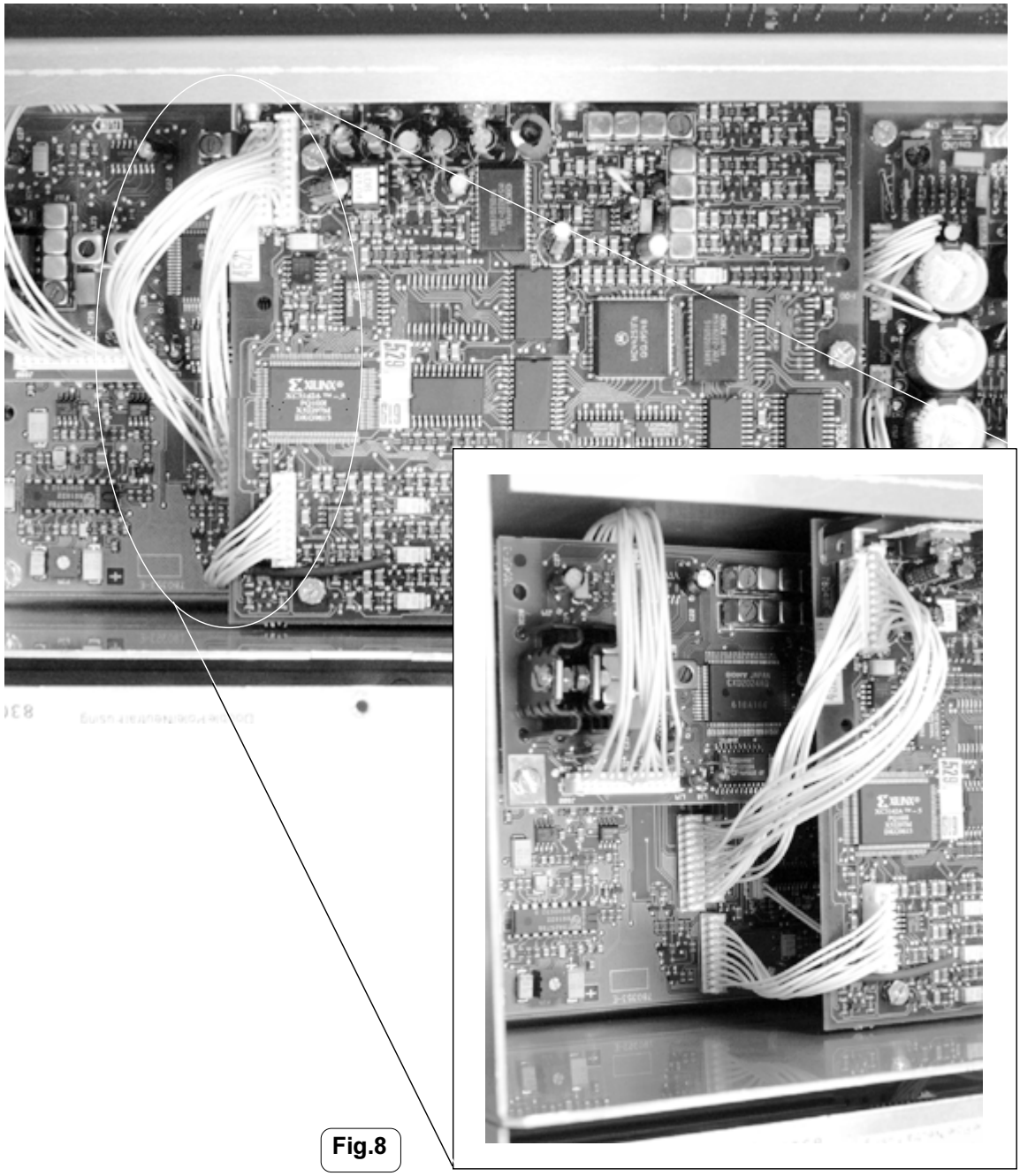


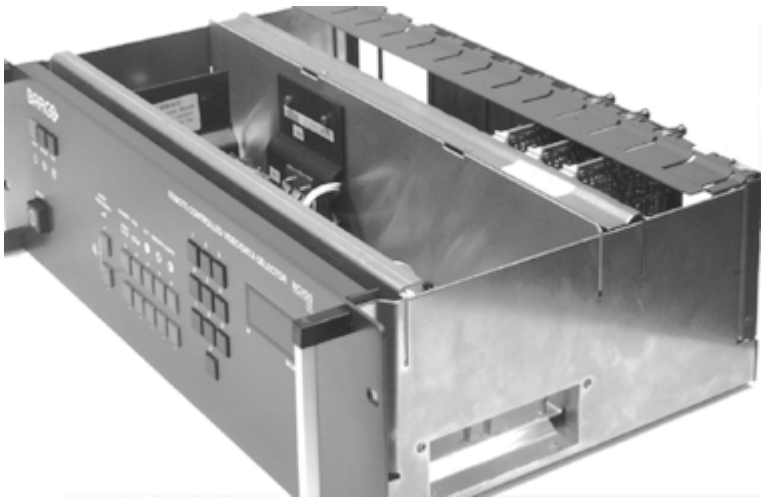
Fig.8

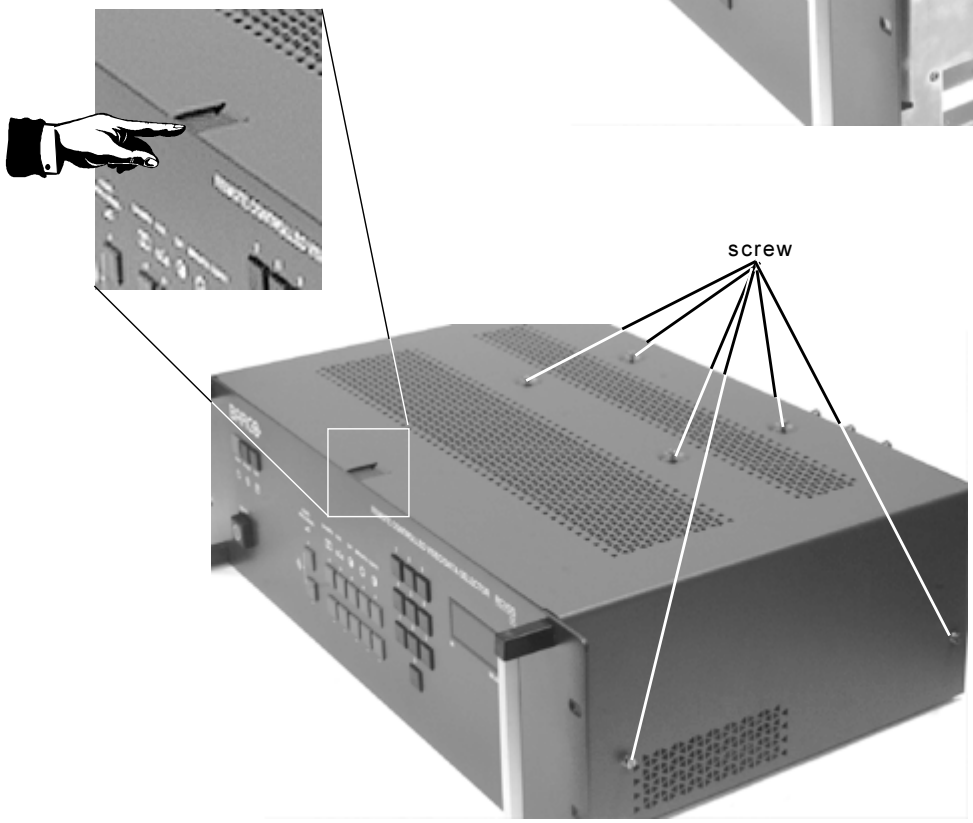
Mechanical re-assembly of the top cover

Putting back the top cover

Place the top cover on the unit and secure with 8 screws (4 on the top and 2 on each side).

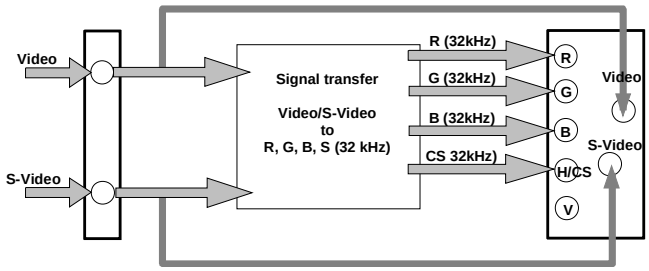
Attention: the front side of the top cover is provided with a notch. Ensure that the notch enclosed the front top bar when mounting the top cover (see illustration below)



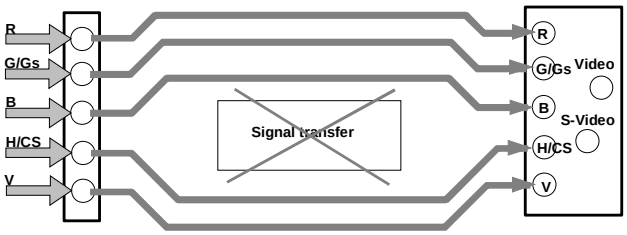


Routed inputs through the Line Doubler

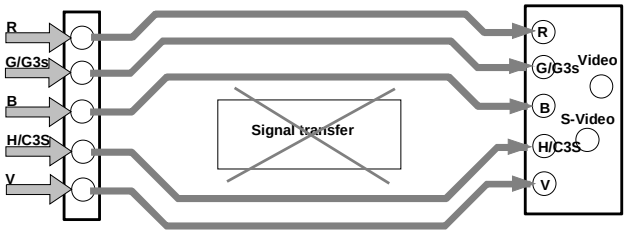
Video/S-Video Input Module



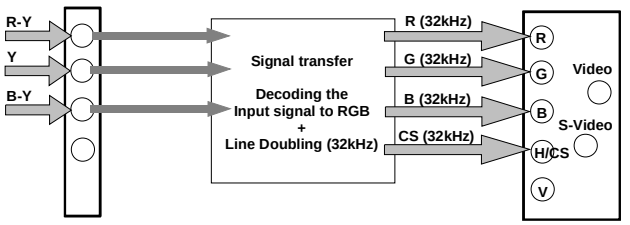
RGB Analog Input Module *Standard Sync*



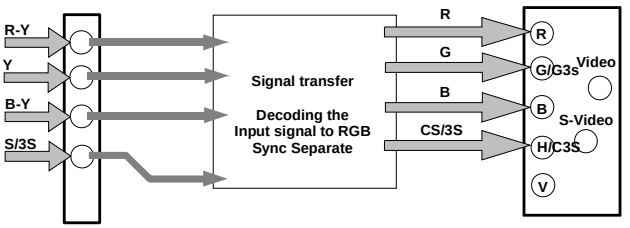
RGB Analog Input Module *Tri-Level Sync*



Component Video Input Module *Input signal = 15kHz with Sync on Y*

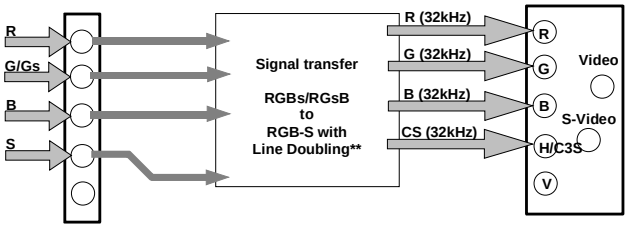


Component Video Input Module *Input signal >15kHz* or Input signal = 15kHz with sep. sync*



** Tri-Level Signal*

LiDo Input Module



*** If Fh>15kHz: Signal transfer to RGB with Sync separate on the original frequency*

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