

RCVDS05 + Quad Decoder+Line Doubler**Description:**

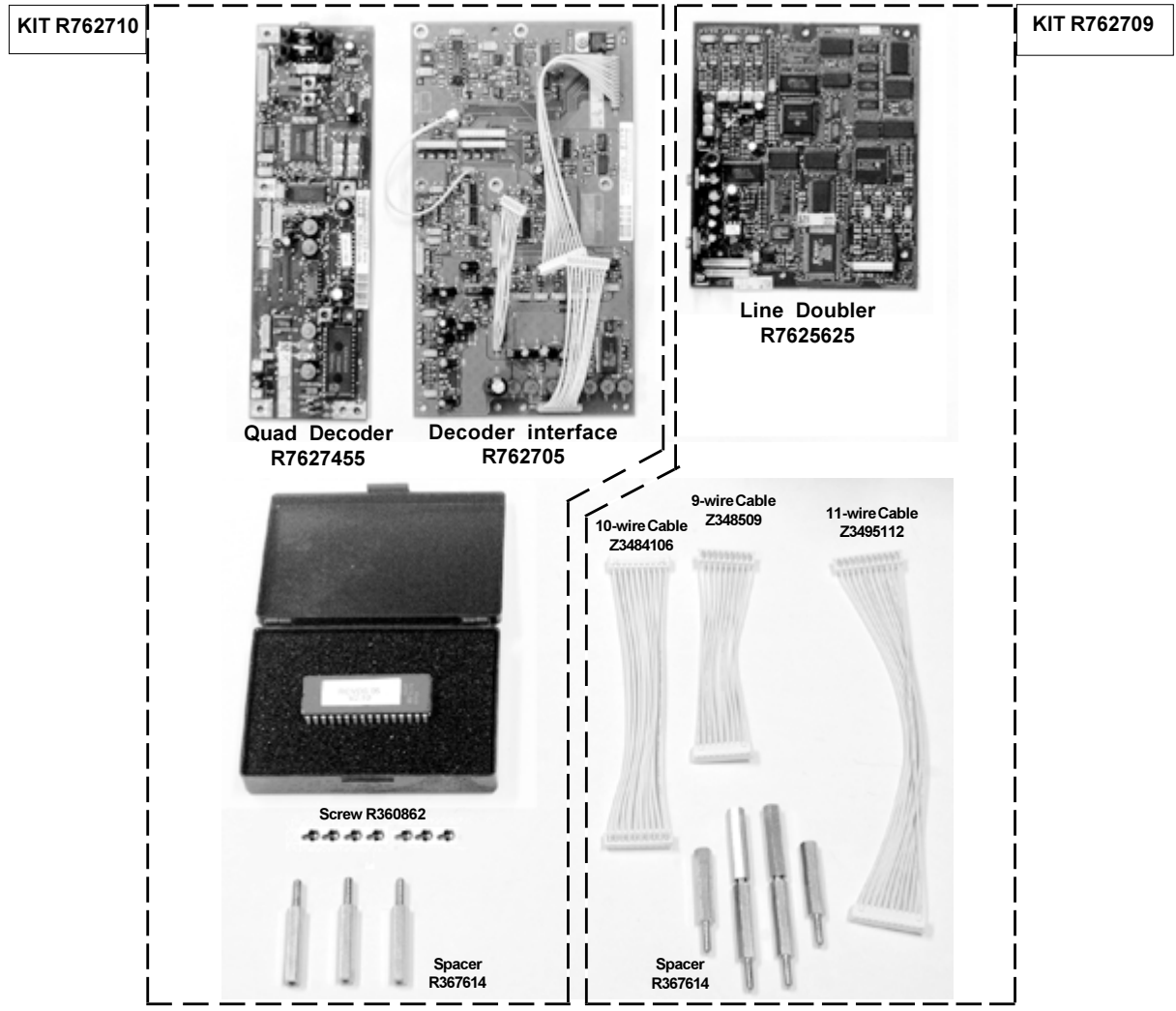
This document provides information on the mounting of the Quad Decoder, the Decoder Interface module and the Line Doubler module in the RCVDS 05 and its action on the specified input signals.

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

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



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 | MANSEREP51 RCVDS05DCOMB | 1 |
| R5975906 | MANSEREP51 RCVDS05L_DBL | 1 |
| R762709 | UN LDB EP51C RCVDS05 | 1 |
| R762710 | UN DEC EP51C RCVDS05 +INT | 1 |
| R804793 | BOX509AST 300X300X 55 2NB | 1 |

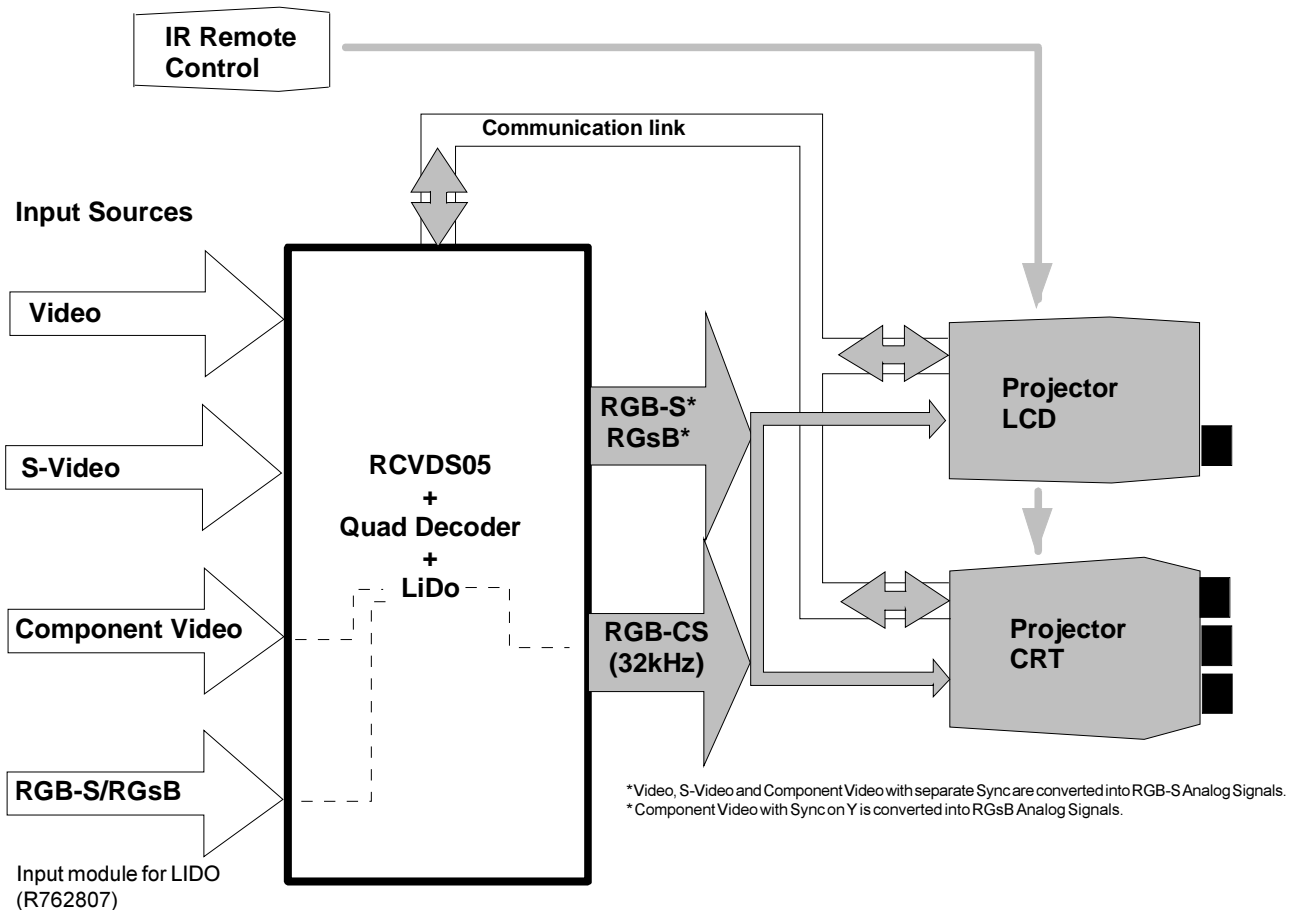
Parts Listing for the Kit R762709

| ITEM NO. | DESCRIPTION | QUANTITY |
|----------|---------------------------|----------|
| R367614 | SPR L25 M3 H5 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 M3 X 8 STZY | 7 |
| R367614 | SPR L25 M3 H5 NBRNI | 3 |
| R762705 | UNINTEP51 RCVDS05 COMB | 1 |
| R7627455 | UN DEC PJ53 *808S COMB_F | 1 |

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 BARCODATA 701 | not adapted not adapted |
| BARCOGRAPHICS 801S BARCODATA 801S | from V5.30 on from V5.30 on |
| BARCODATA 1101 BARCOVISION 1600 | not adapted not adapted |
| BARCOGRAPHICS 1208 BARCOGRAPHICS 1209 | from V5.31 on from V5.31 on |
| BARCODATA 1109 BARCOVISION 1609 | adapted from release adapted from release |
| BARCOGRAPHICS 808 BARCODATA 808 | adapted from release adapted from release |

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

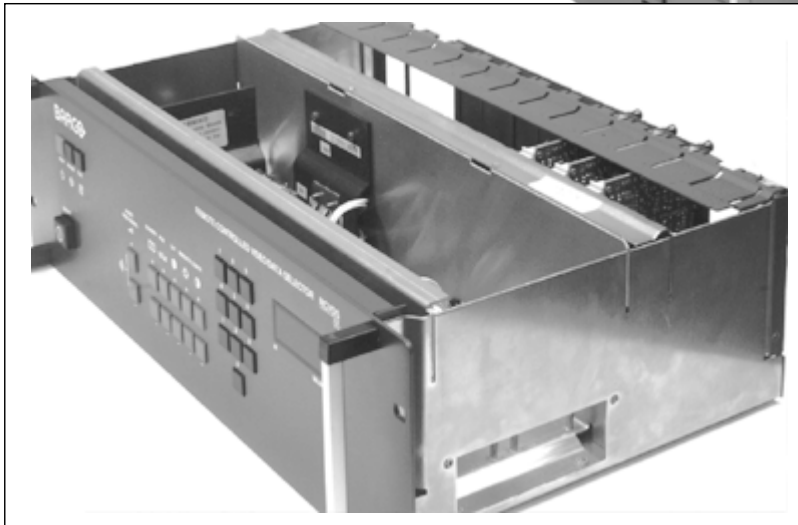
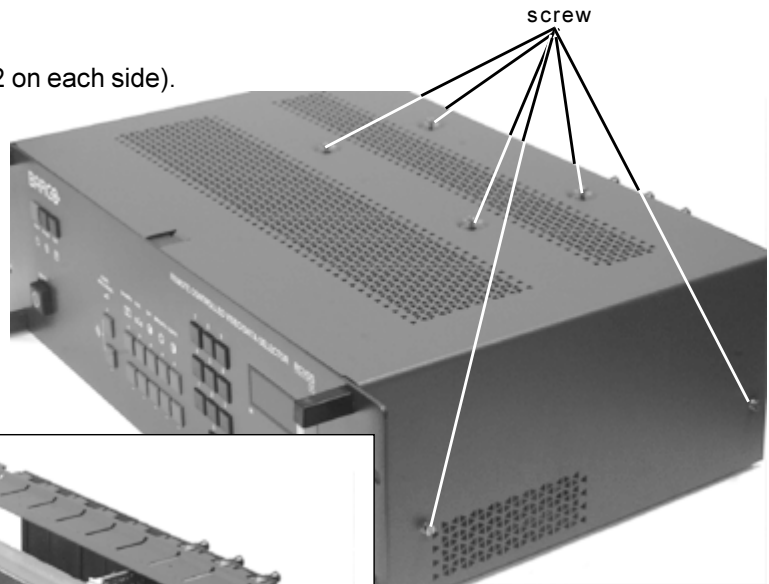
** Soft V1.07 is made for the earlier type Pixel Map Processor part# R762471.

**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.

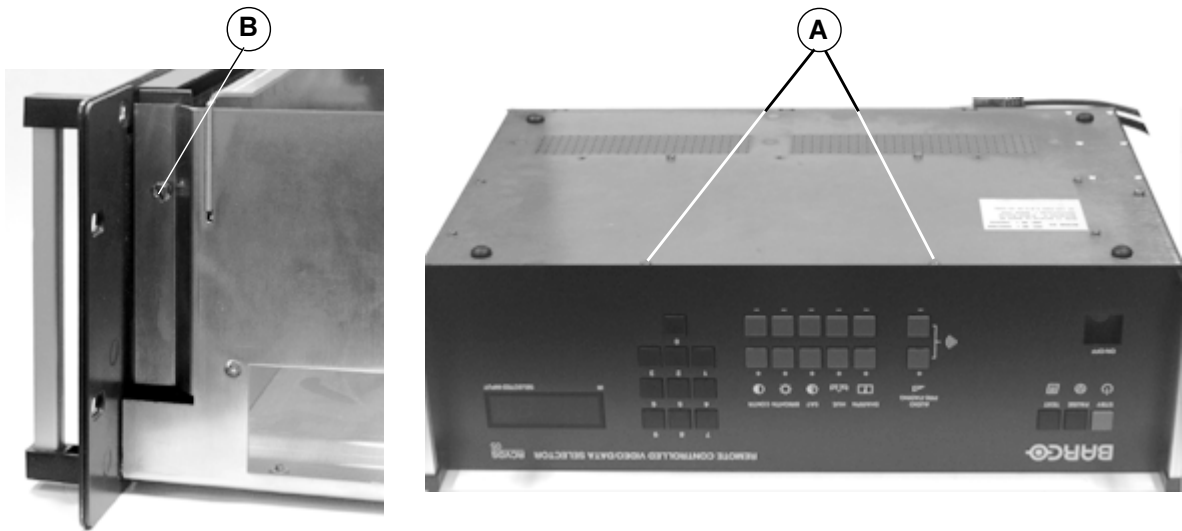


2. Removing the front panel (for software adaptation)

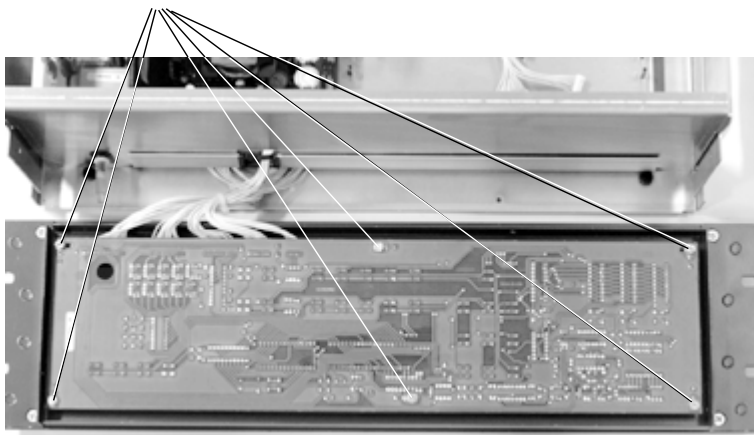
Pull off the power button.



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

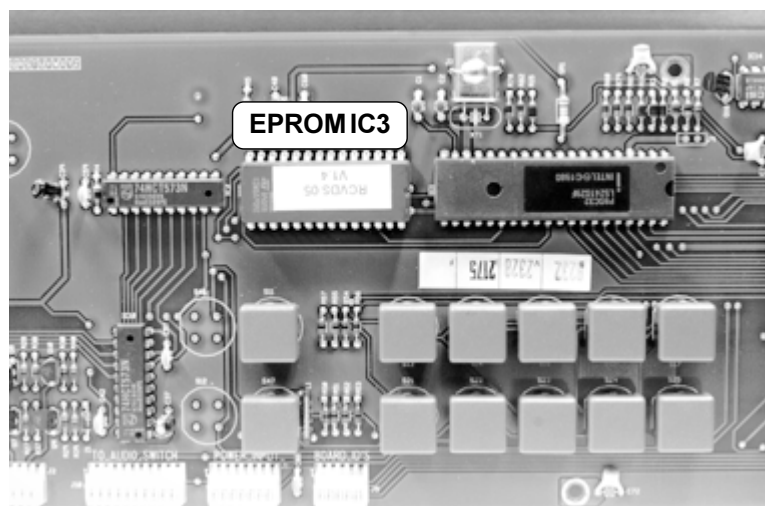


Remove the 6 screws holding control panel module to frontplate



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

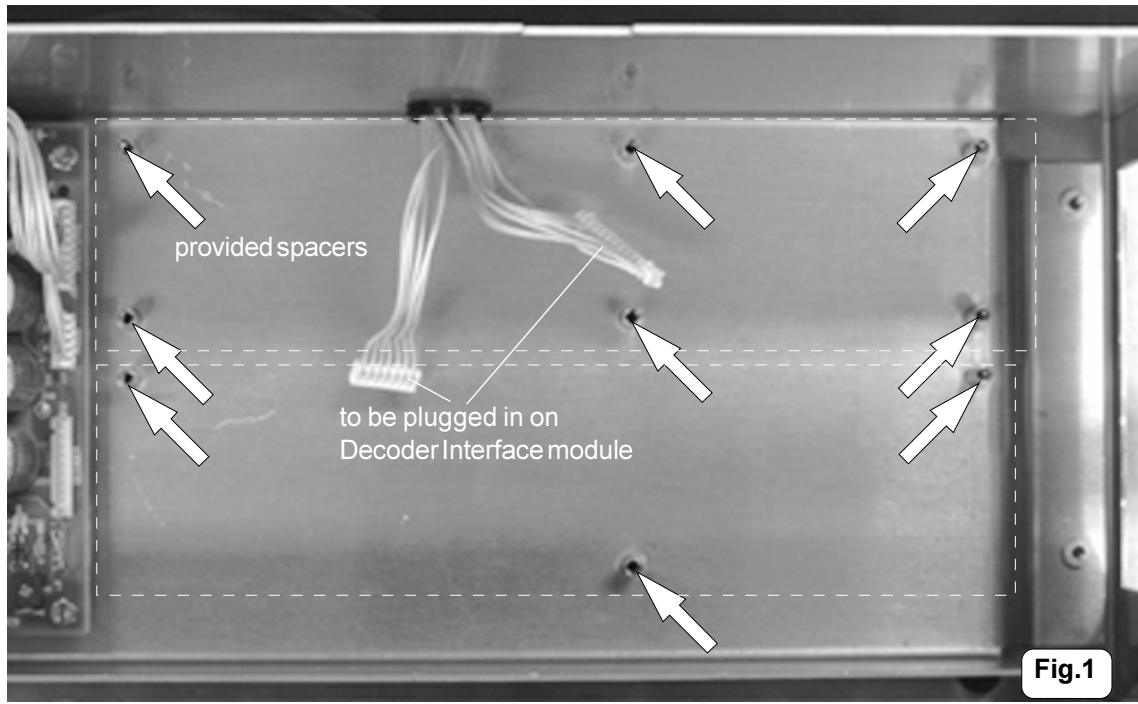
CHECK: if the **TEXT** button is pressed for a few seconds, the version of the installed software is shown on the front panel display.



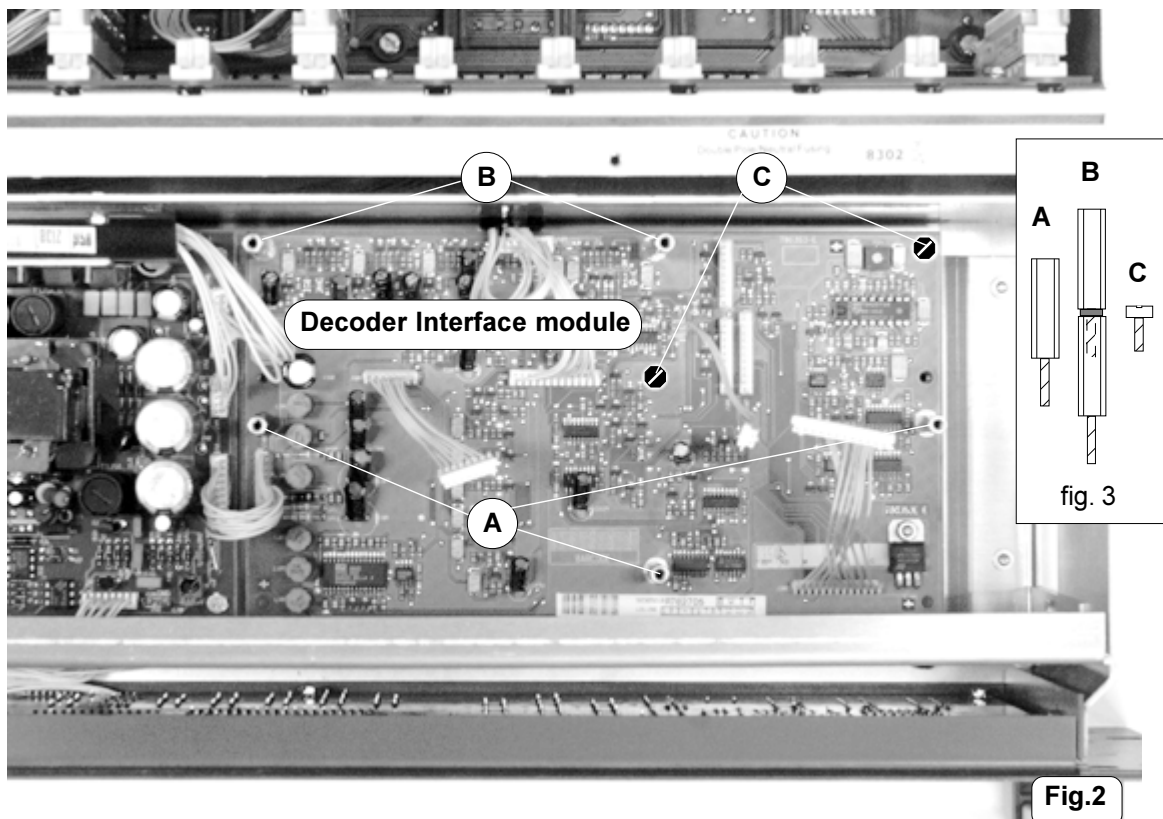
Re-install control panel module and power button following the above steps in reverse succession.

Mechanical mounting of the Decoder Interface module

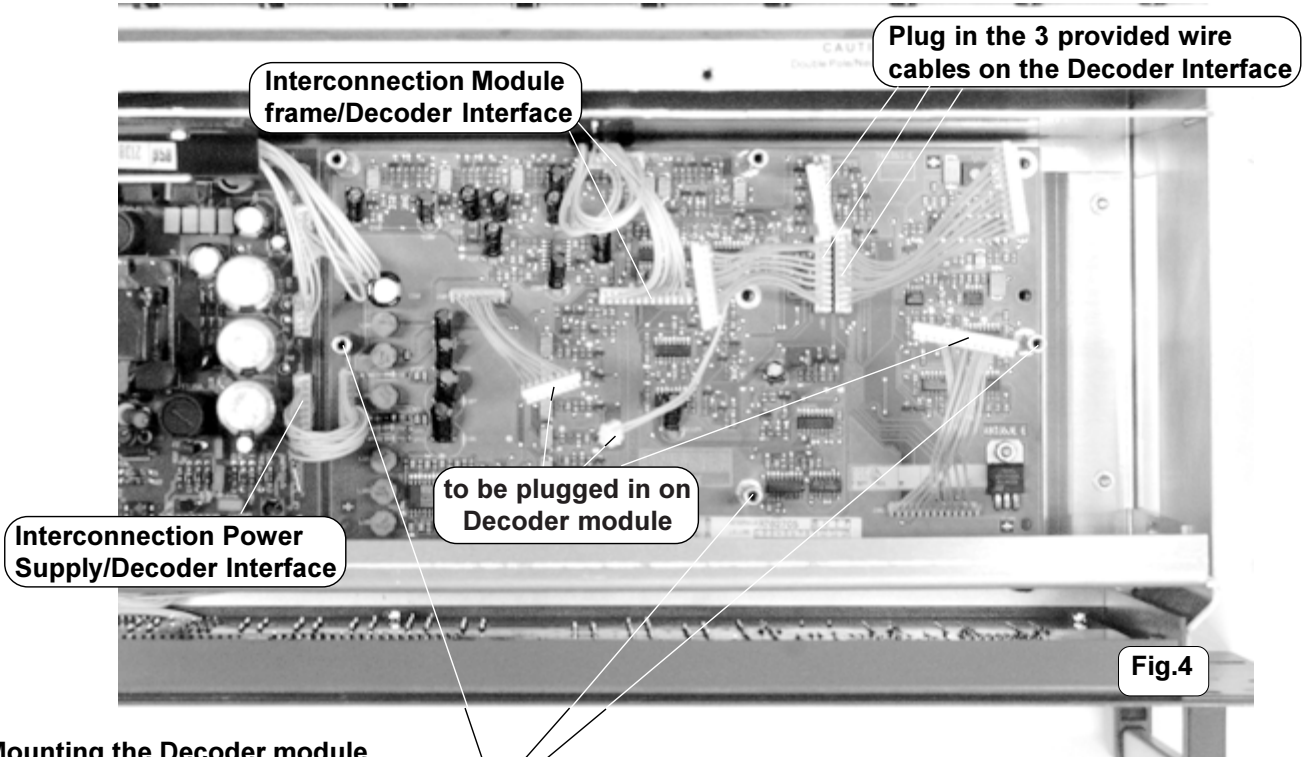
Place the **Decoder Interface** module on the provided spacers (fig. 1) on the main frame. Take care to line up the threaded holes of the spacers with the holes on the module (fig.2).



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).



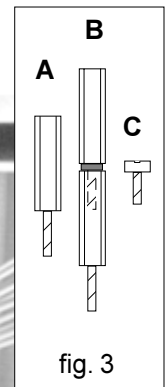
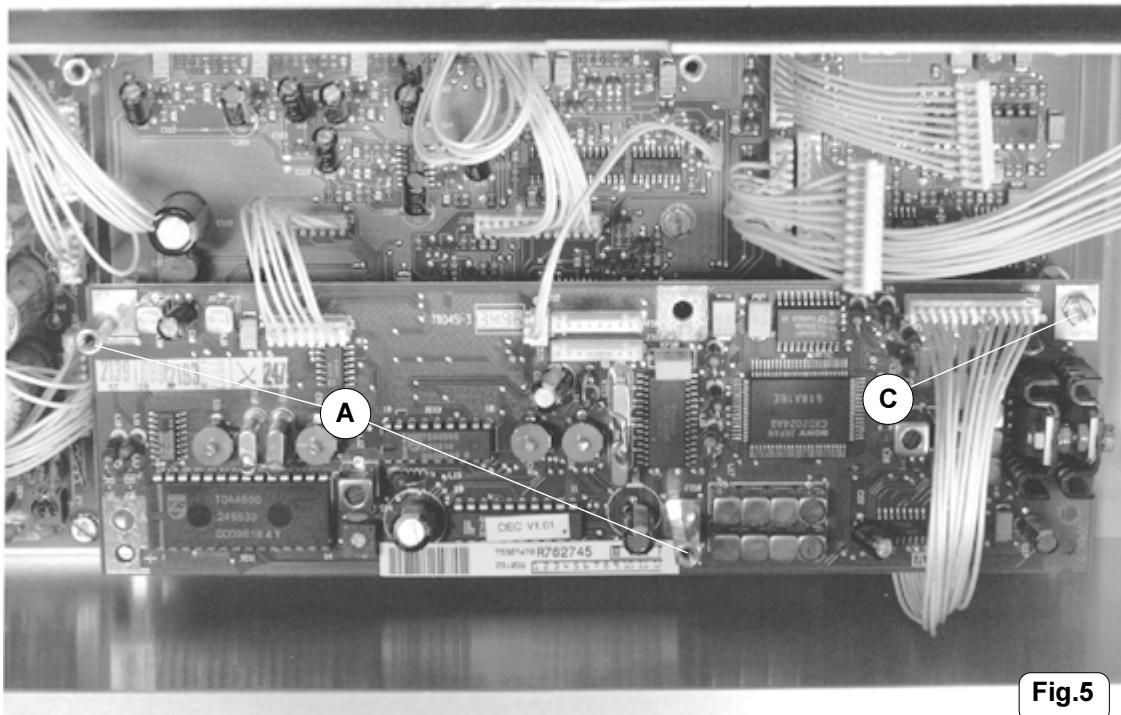
Interconnection Decoder Interface module, Power Supply and Module frame



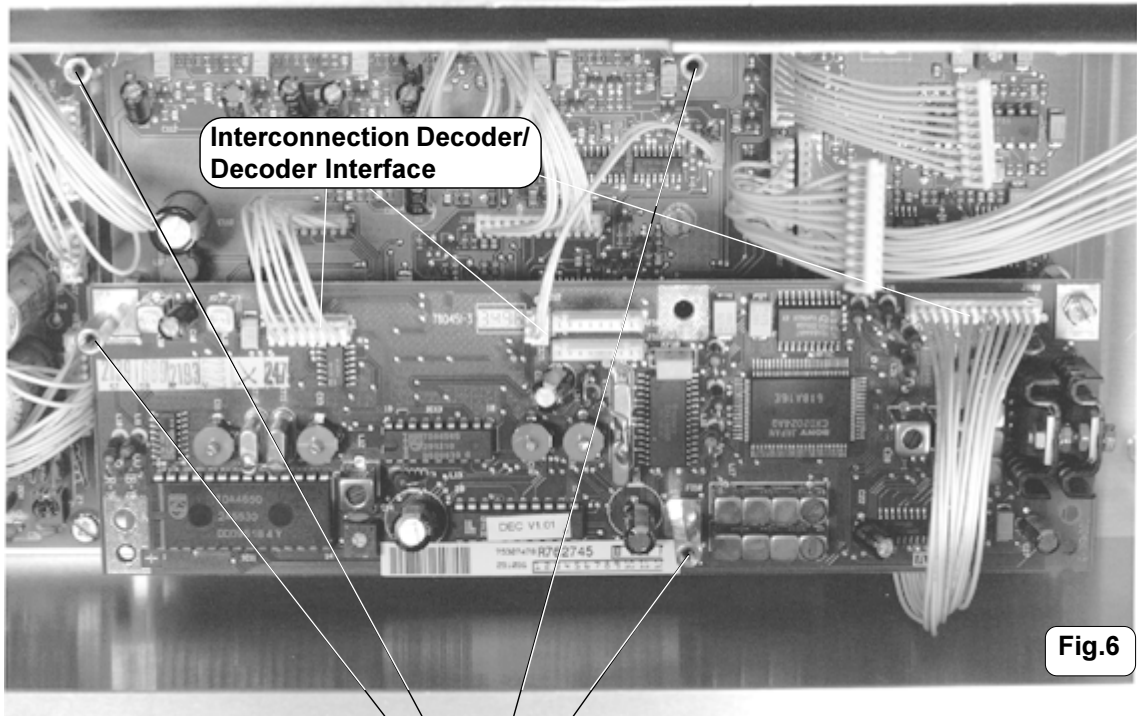
Mounting the Decoder module

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).



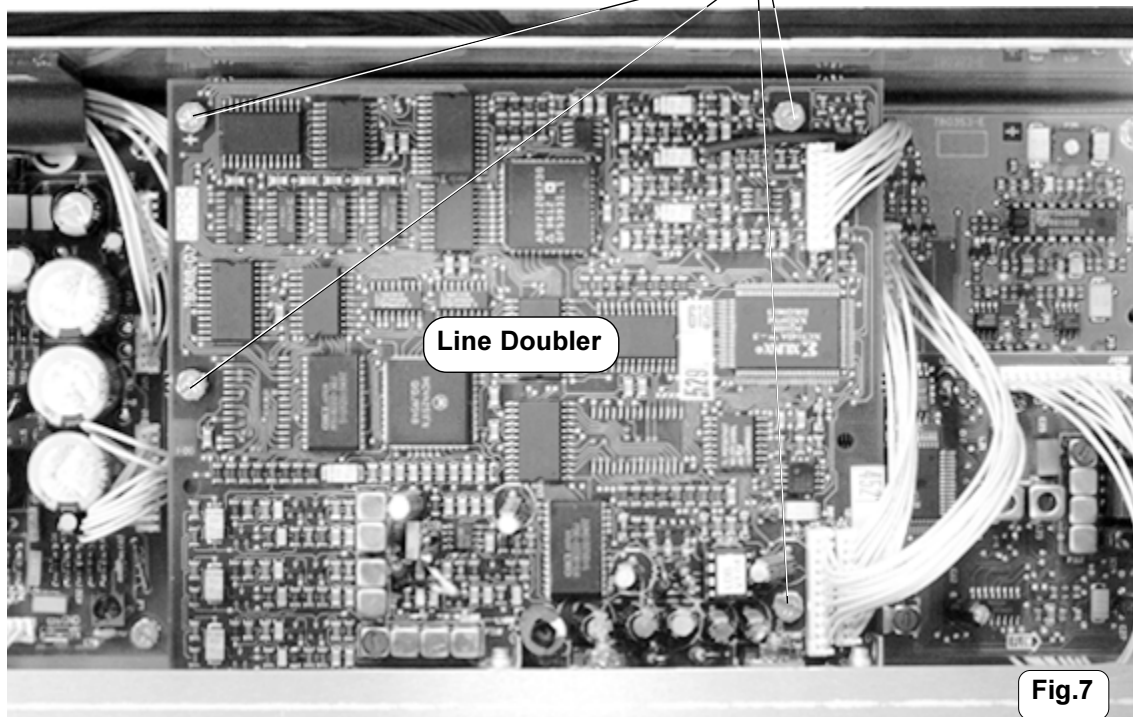
Interconnection Decoder module and Decoder Interface module (Fig.4 & Fig.6)



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.



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

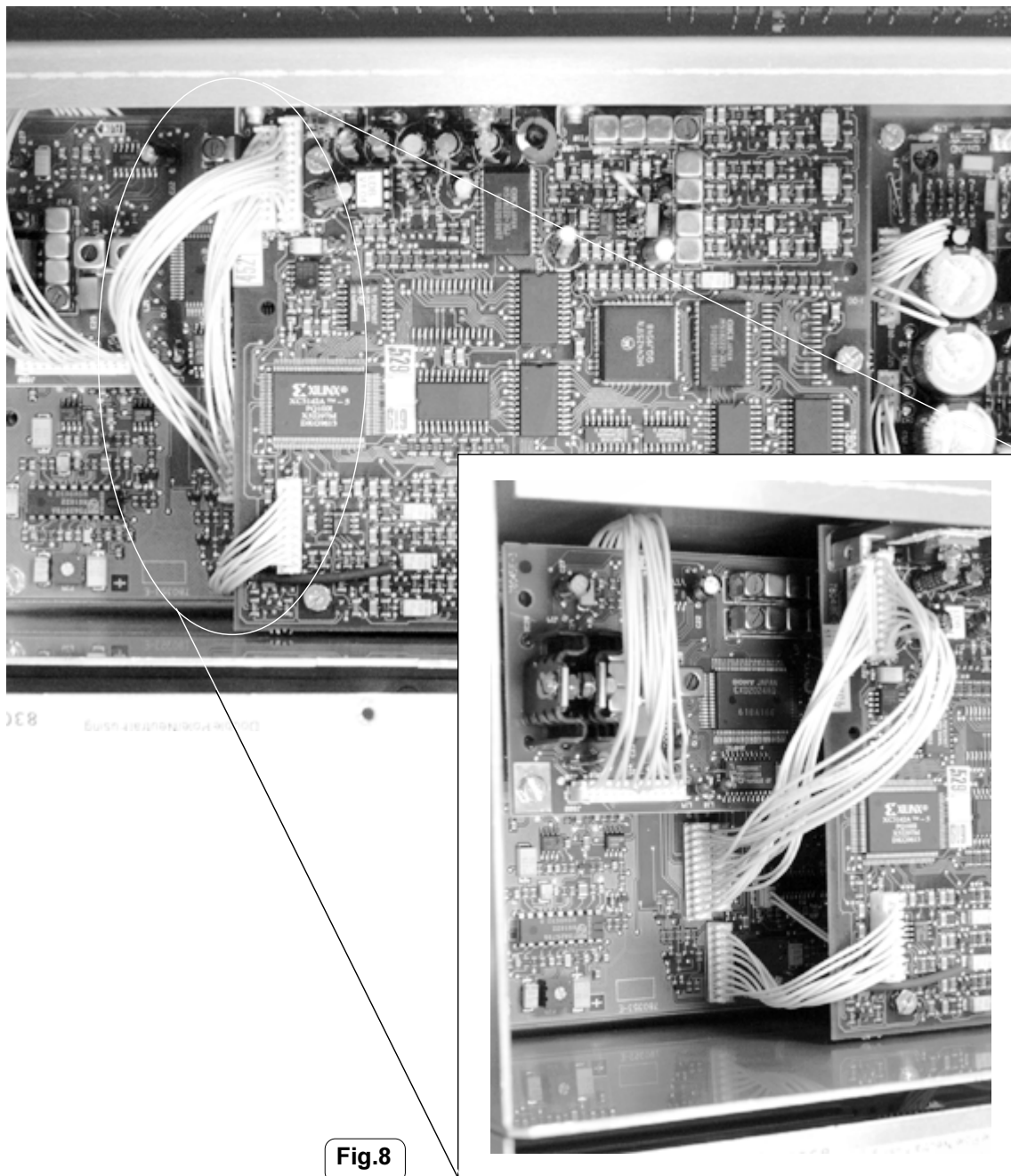


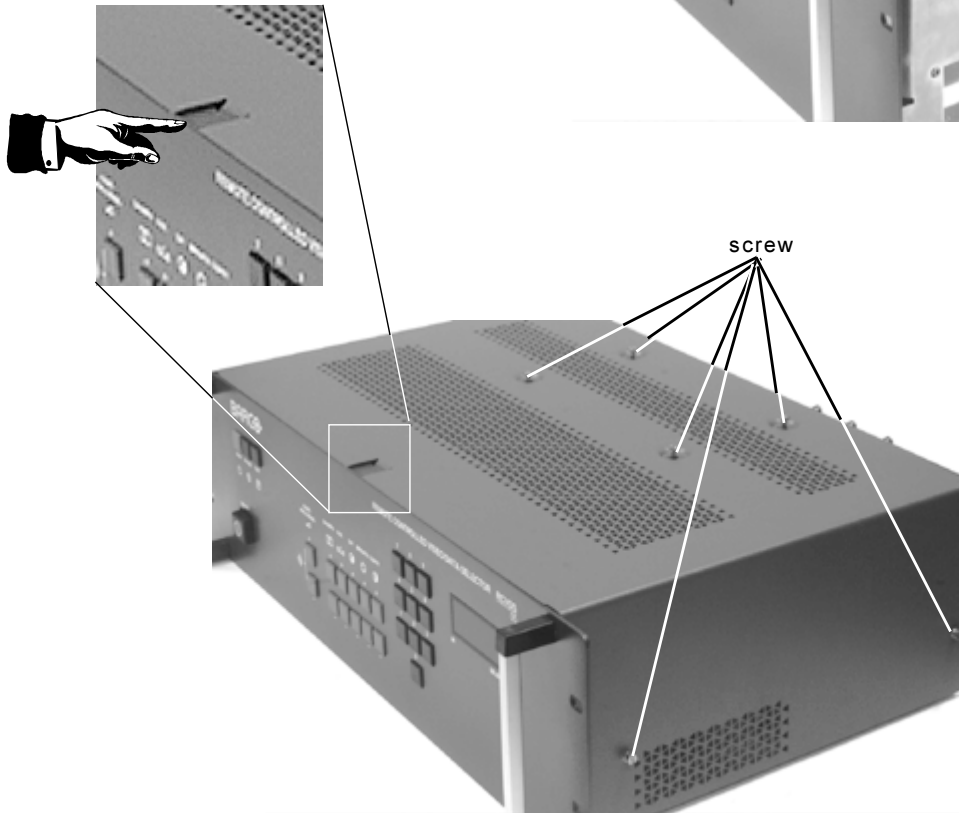
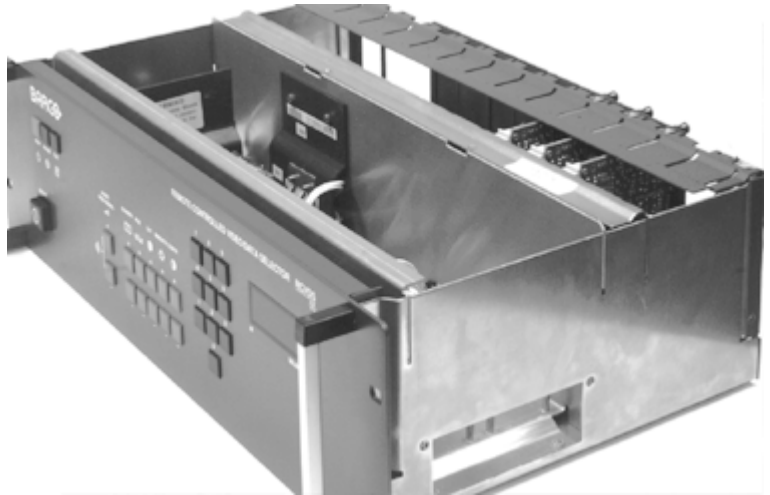
Fig.8

Mechanical re-assembly of the top cover

Putting back the top cover

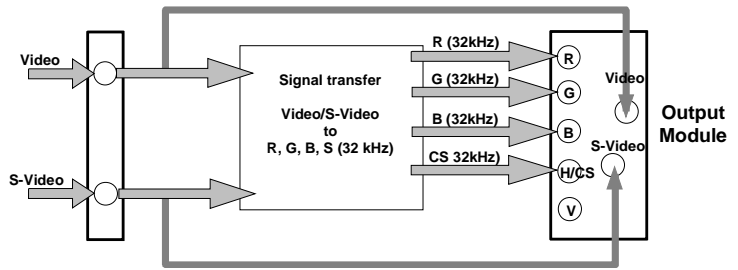
Place the top cover on the unit and secure with 8 screws (4 on the top and 2 on each side).

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)

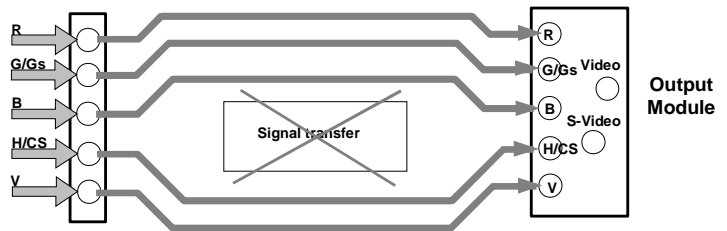


Routed inputs through the Line Doubler

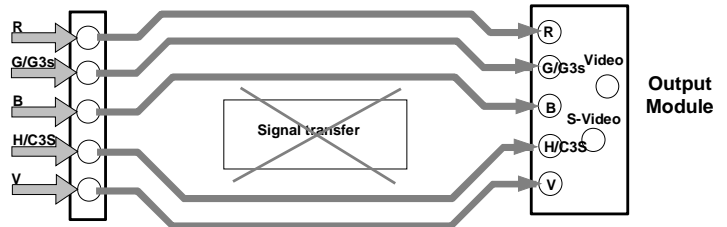
Video/S-Video Input Module



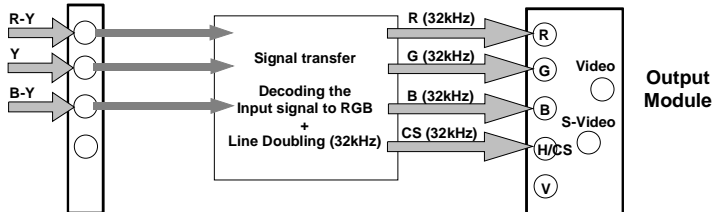
RGB Analog Input Module Standard Sync



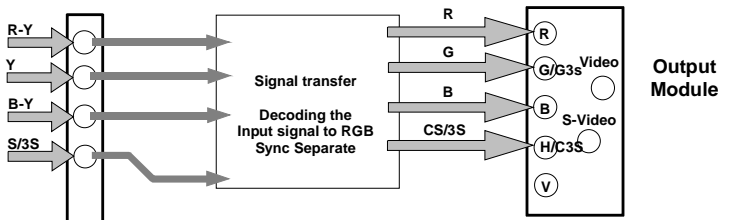
RGB Analog Input Module Tri-Level Sync



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

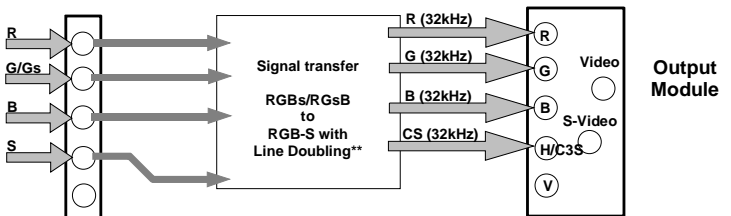


Component Video Input Module
Input signal >15kHz*
or
Input signal = 15kHz
with sep. sync



* Tri-Level Signal

LiDo Input Module



** If $F_h > 15\text{kHz}$: Signal transfer to RGB with Sync separate on the original frequency

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