magneti marelli
RT3

modifying the RT3 screen for permanent use of the external video source

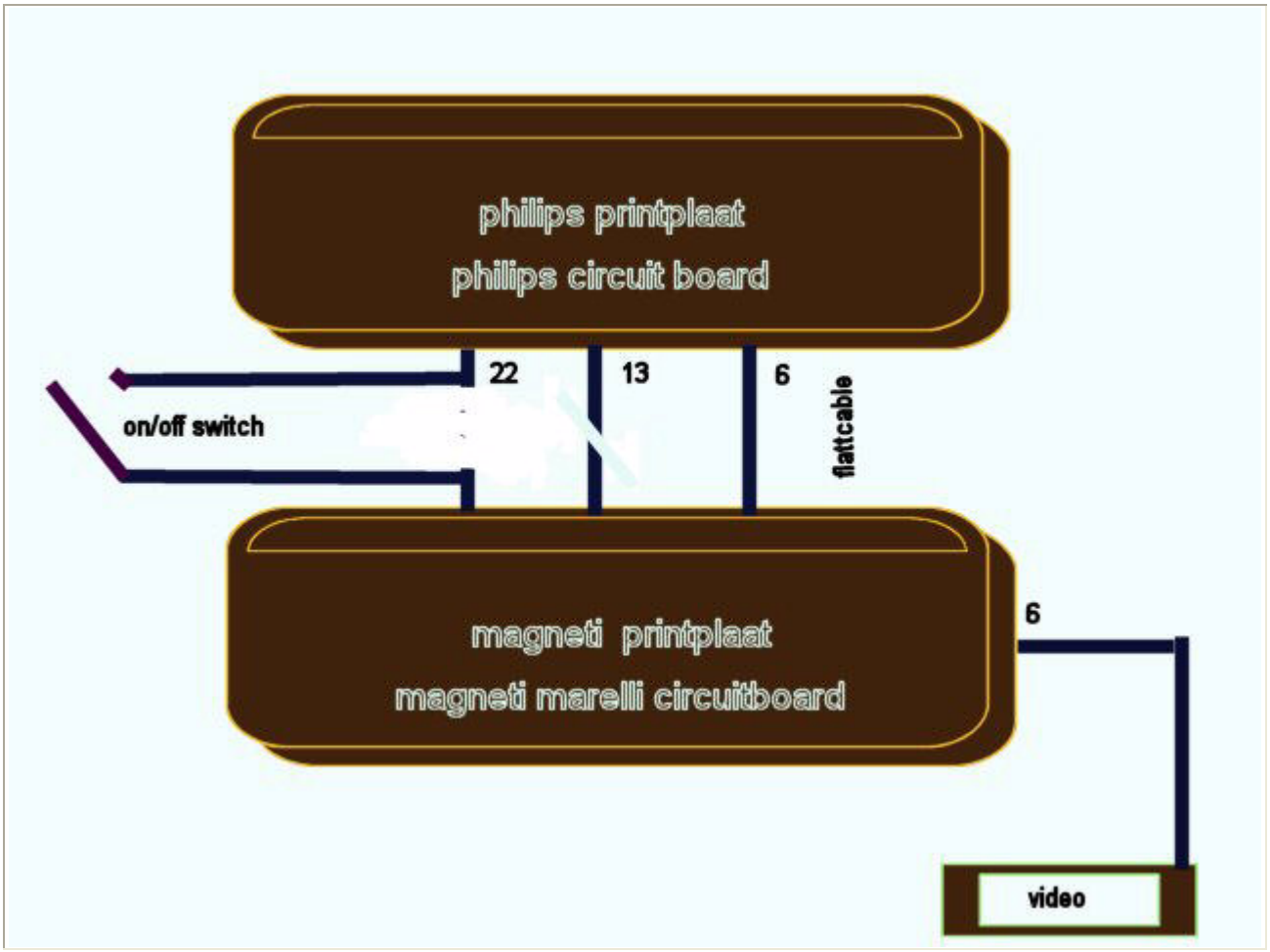
CAUTION: you are gonna modify the internal of the screen so warrenty will void…so wait until you dont have warrenty anymore ;)
basic electrics knowledge is needed!!!!

all credits goes to Peter W. for this information

needs	-torx 10 -torx 8 -switchingwire 0.1--0.15 qmm (!) -switchingwire 0.5 qmm -small cutter -regular tape -2x 6542WY pin -soldering iron recommended to use a soldering iron of 12-20watt with a SMD solderinghead!!! a SMD solderingstation is better!

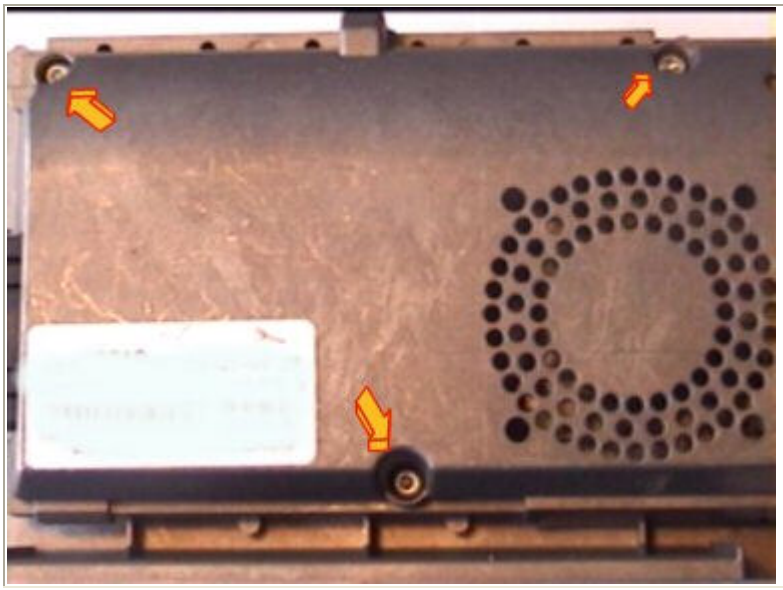
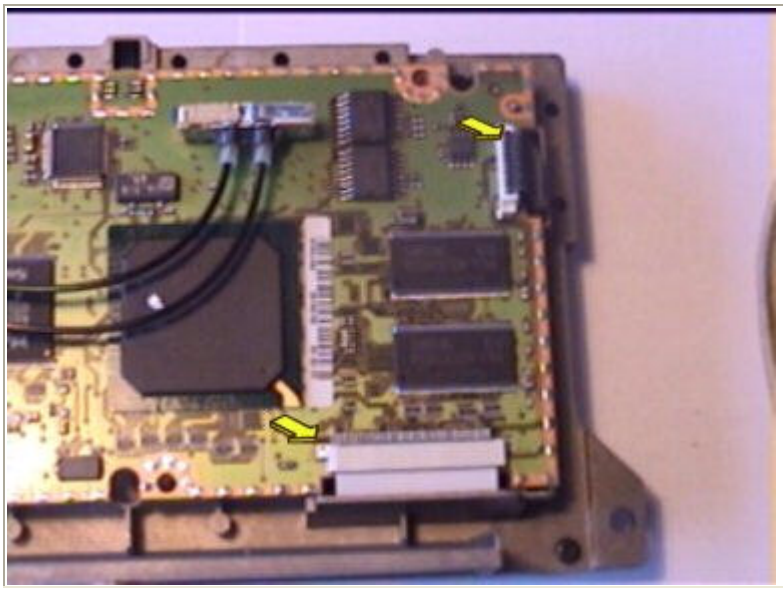
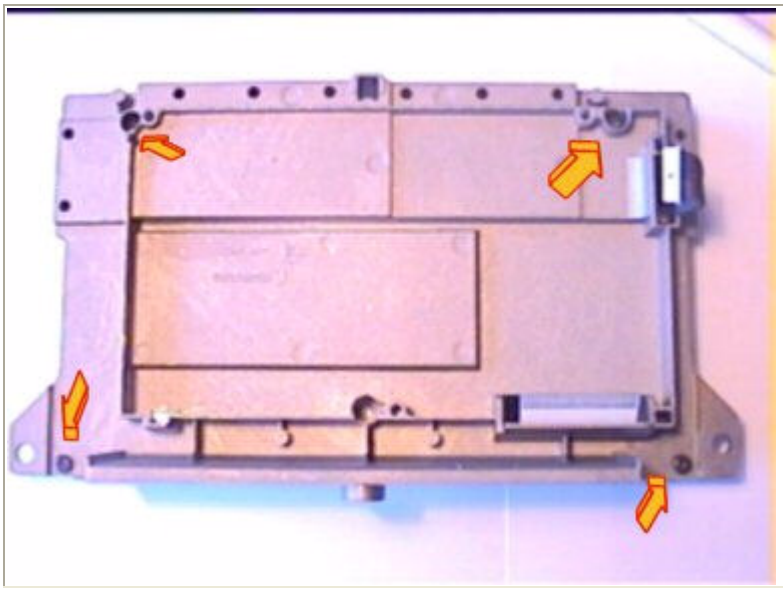
basic operation

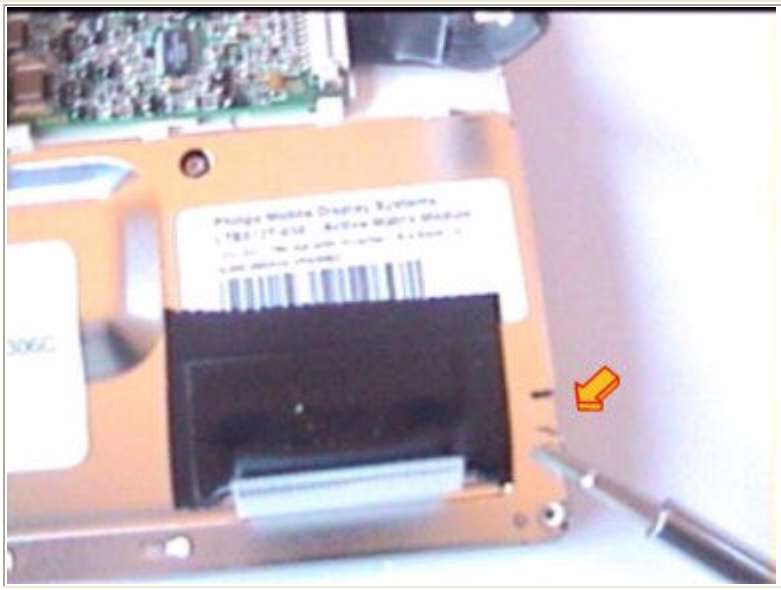
the RGB signaal of the Philips screen is directly used without the control of the MUX unit from the magneti merelli circuit board.
The excisting video-in signal is blocked to make this possible.
to be able to switch between the Philips TFT screen and the data from the Magneti Marelli circuitboard, a switch will be placed between the CLKC wire (make:RT3--break:videosource)

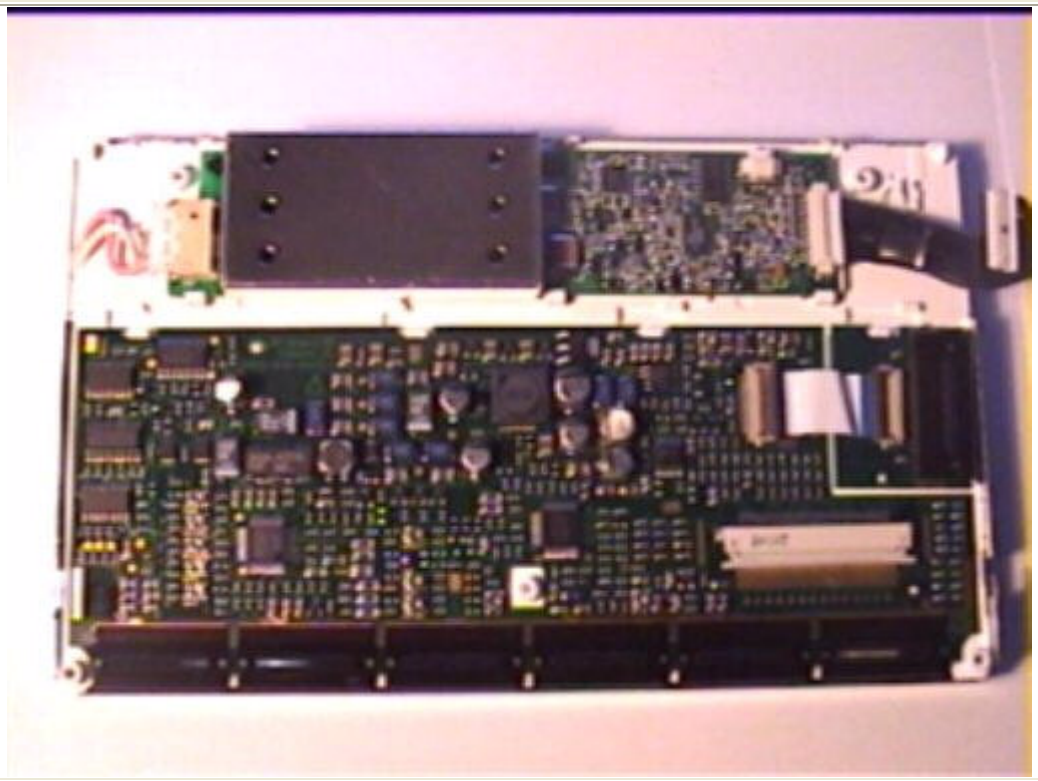


22:Clkc signal RT3
13:conventional Video-in (blocked)
6:RGB-in Philips TFT screen

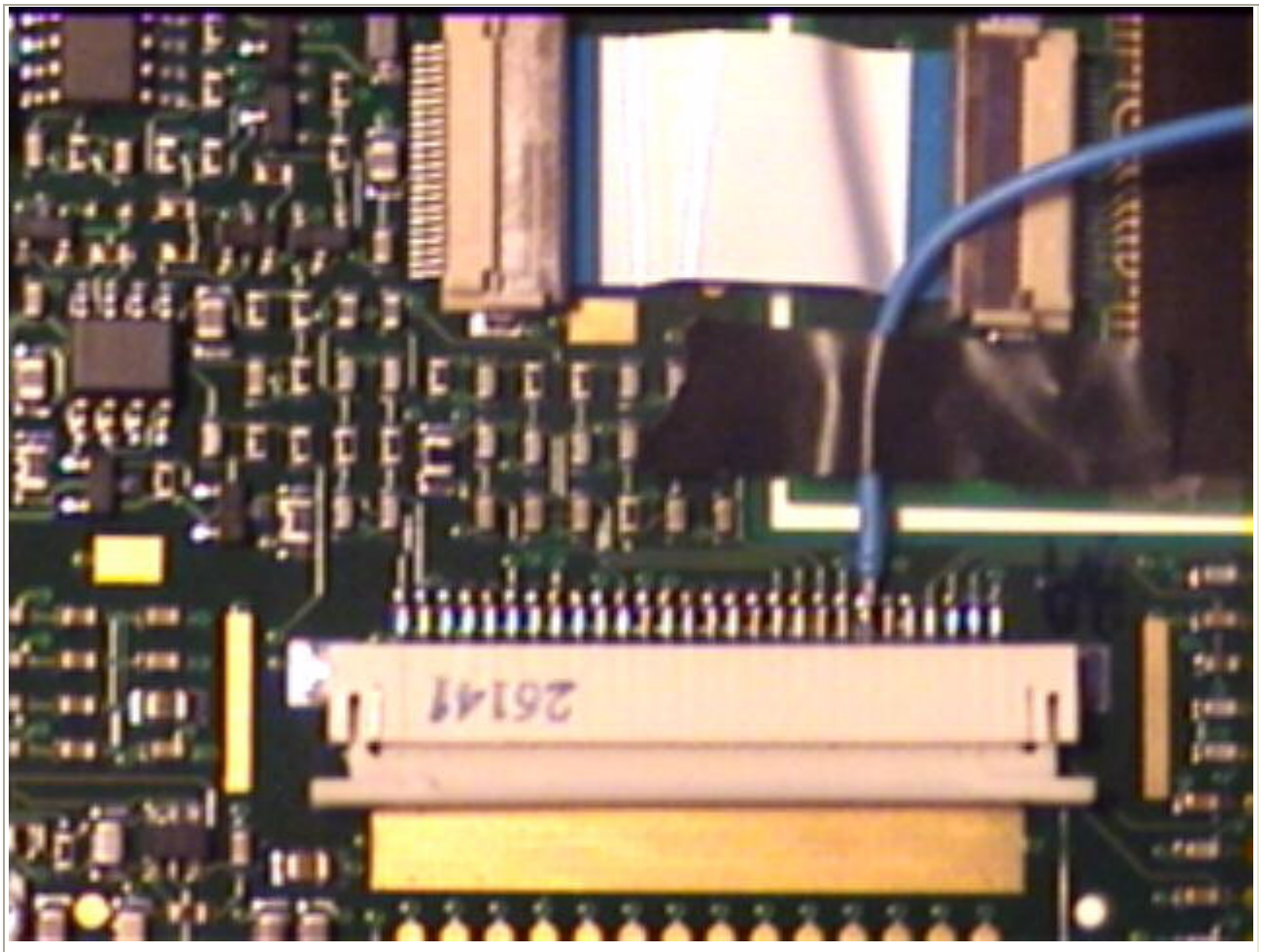
make sure you are staticly discharged!!!!

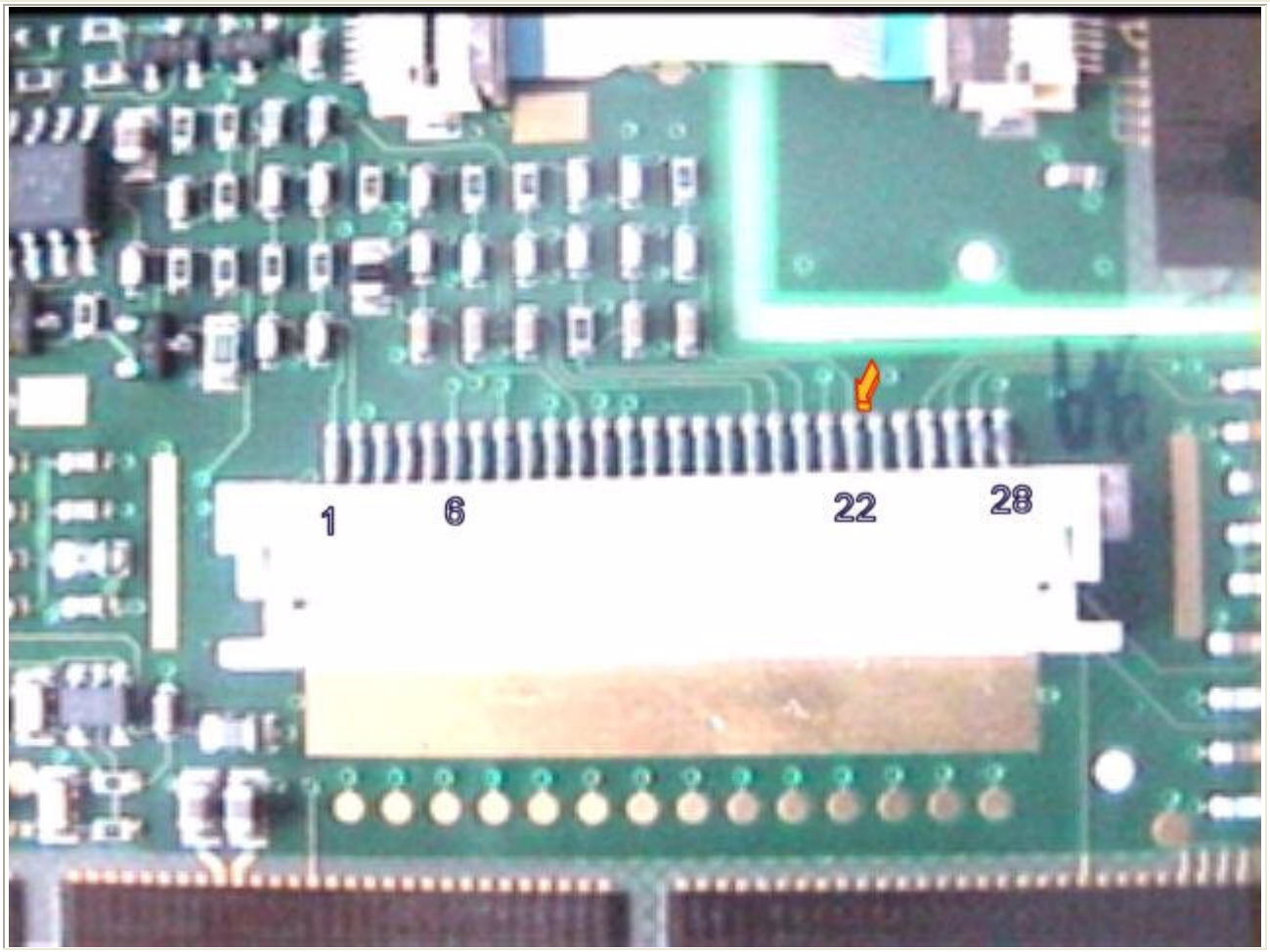
	remove with T10 the screws remove the back panel
	remove both flattcables be very carefull with the long white flex foil flattcable !!! remove the Magneti marellli MUX circuit board.
	remove the T8 screws and remove the middle panel.

	remove (if present) the tape) unclip the clips at the side of the alu. panel
	remove the white flex foil flattcable by unlocking the connector remove the alu panel



make sure the screen is with the connectors at the right, in front of you.

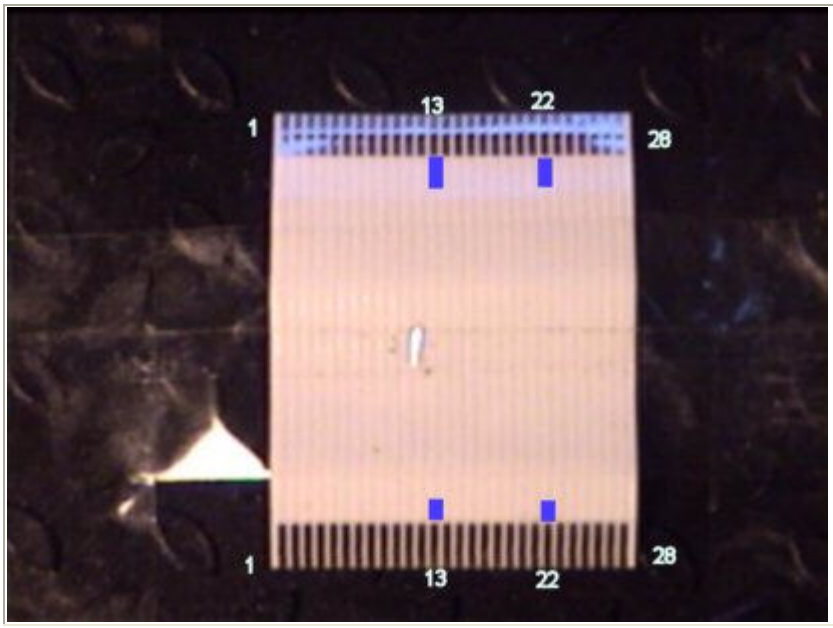
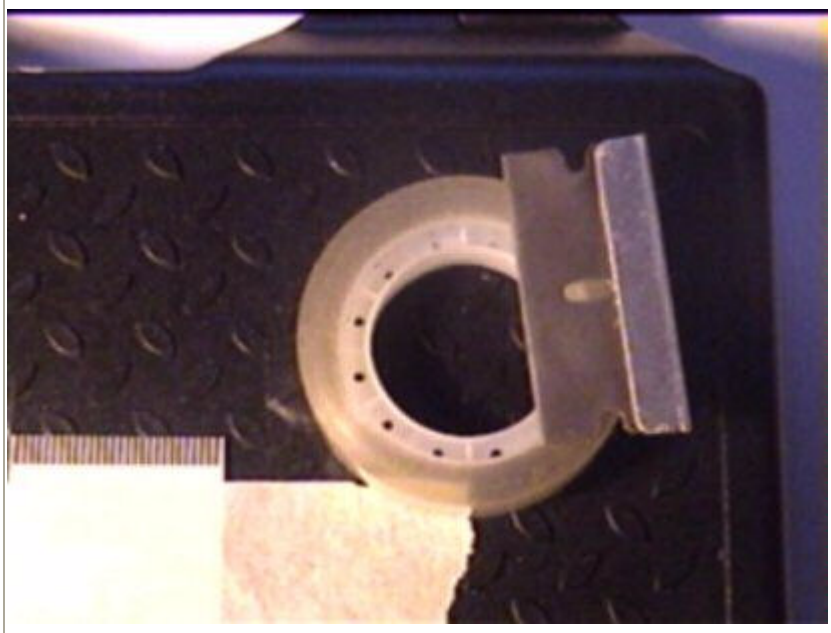


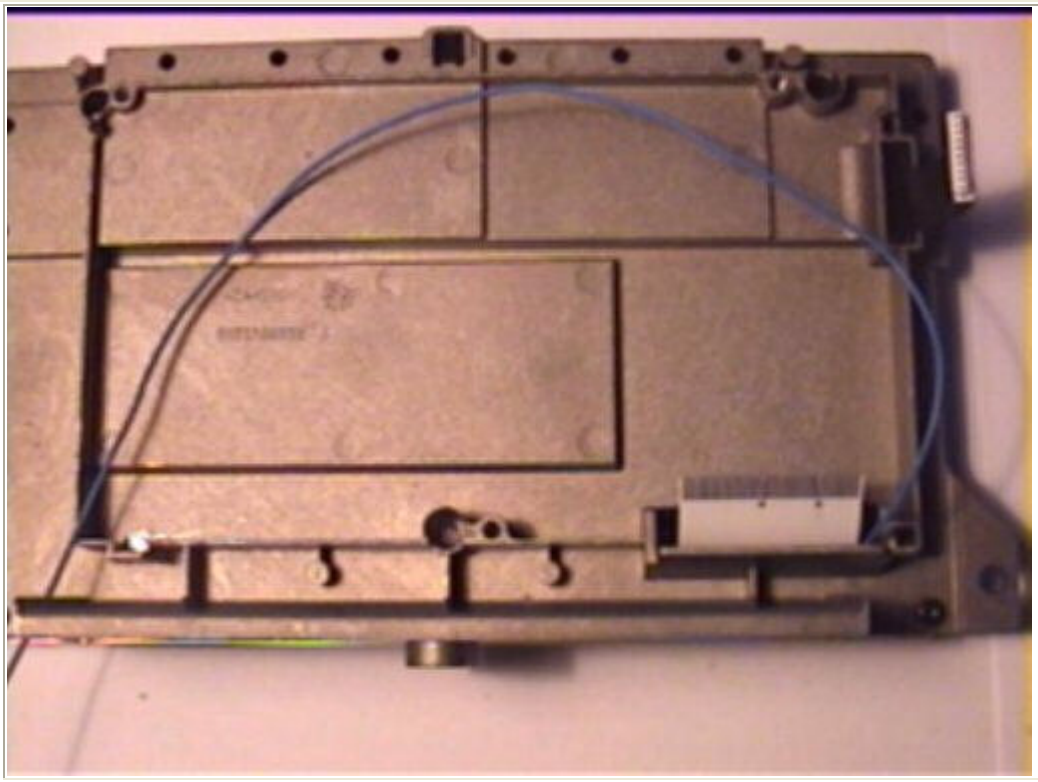


28pin white flex foil connection
Pin 6 video-in
Pin 22 CLKC

solder a switching wire (0.14--0.2qmm) to pin 22

check with a multimeter if the resistance with the pins beside pin 22 is infinit

	flex foil cable -blocking the connections 13 en 22 13 RT3 Video aux in 22 CLKC signal. (signal is made now a with a new wire)
	you can block both lines permanently by removing the contacts but offcourse thats irreversible better option is to cover both contact with regular tape, 2 layers thick, the flatt foil cable will still fitt in the connector. check with a multimeter if the resistance of the lines is infinit. place back the flex foil flattcable in on the philips board



place back the alu cover

place back the middle cover, make sure the wire is not jammed between the covers!!.