3000-chassis

Chassis	Faults appeared in the colours	Possible cause of the fault
3000	Picture red (green or blue), black hor stripes	* Tg3, Tg8, Tg13 (BF871)
3000	Background colour different on left and right side	* Ce15, Ce16, Ce17 (22nF)
	Faults appeared in the picture	
3000	Picture jumps as warm	* ICh1 (TDA8432)
3000	Picture distorted	* ICh1 (TDA8432)
3000	Picture overdriven	* ICi2 (TDA2450-2), Ci29 (2µ2)
3000	Black screen, flyback lines	* ICe2 (TDA8444)
3000	Vertical stripes on background with weak signal	* ICi2 (TDA2450-2)
3000	Picture in the form of "V"	* Ck11 (2200µF)
3000	Vertical lines of picture shakes / vibrates	* ICh1 (TDA2579), ICu1 (TDA4601)
3000	Raster, upper side black	* ICf1 (SDA2526)
3000	E-W correction error	* Dz8 (BY299), Dz7 (BY228)
3000	Black horizontal stripes over the screen	* Ck8 (100n), Ck7 (2n2), ICk1 (TDA3654) * Ch27 (68n)
3000	Black horizontal stripes, lower edge blanked	* Ck4 (100µ), Ck8 (100n)
3000	Dark horizontal area on the middle of screen	* Ce25 (10µ), Ce26 (10µ)
3000	Dark hor area on the middle of screen, left side black	* Rz19 (27k)
3000	Horizontal line (no vert deflection)	* Rk24 (**), Rk26 (**) * Rz3/Rz4 (1R0), Dz2 (PY55-600), Cz6 (2200µ) * ICf2 (SDA2080 / 2084)
	Faults appeared in the sound	
3000	Bass control decreases by itself	* Change µP ICf2 from version SDA2080 to SDA2084 TV30-2
3000	No Nicam, poor FM sound	* Ci32 (10µ)
3000	No Nicam (noise only), FM is ok	* Xr3 (crystal 16.9MHZ)
3000	Nicam sound crackles	* ICr6 (TC6011N)
3000	Nicam can not be changed to FM	* Dr2 (1N4148)
3000	Other channel of Nicam is missing	* ICr10 (NE5532)
3000	"Chirp" using head phones	* ICd3 (TK322)

3000-chassis

	No picture	
3000	No picture, EHT ok	* Tg15 (BC557) * Dz1 (PY55-600), Rz2 (2R2)
3000	No picture, U1 is ok, no EHT	* Rz28 (1R5) broken, change Cz14 from 4µ7 to 470nF. Check Tz4 (BU508)
3000	No picture, U1 is ok, no EHT neither 17V	* Tz3 (BC637), Ru38 (0R1). Possibly also ICh1 (TDA2579)
3000	No picture, all power outputs are missing	* Tu1 (BU908), Su2 (F1.25A), Cu8 (100µ), Ru18 (120k), Ru19 (150k), Du17 (BY399), Du16/18 (BY299), ICu1 (TDA4601) * Ru1…Ru4 (680R), PTCu1 (P2462)
3000	No picture, Su1 damaged	* Du1…4 (BY133, PTCu2 (PTH451C)
	Other	
3000	Does not start to ON-mode by mains switch	* Mains switch * ICf2 (SDA2080 / 2084)
3000	Drops to standby state when pressing pict / sound controls	* Mains switch (low voltage contacts in short circuit)
Note!	NV RAM Xicor X2402 pin 7 = grounded, Siemens SDA2526 pin 7 = not connected	
Note!	Elimination of 5 min sleep function = add Df3 (1N4148) to Control panel	
Note!	Stereo default rule for both scarts = add Df9 (1N4148) to Control panel	
Note!	Emptying of memory place = program channel 00 to desired memory place	
Note!	Manufacturing of IF demod/amp TDA2450 finished, problems on availability. There is a kit that replaces the original one = ask from spares submodule EK3502017	