## 1L-chassis

| Chassis | Faults appeared in the colours | Possible cause of the fault |
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|  | Faults appeared in the picture |  |
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| 1L | Vertical lines are toothed (sawed) | * Diac oscillator will not switch off during normal operation mode, check RN02 (100R), |
| 1L | Raster (no picture), may be periodical | * CB117 |
| 1L | Tuning varies | * ICB1, TB11 (use only PH2369, if originally installed) |
| 1L | Screen flashes as red, green or blue at times | * Measurement transistors, and G2-voltage adjustment |
| 1L | E-W correction error, TBX4 becomes hot | * CB512 |
| 1L | Vertical lines twist | * RB705 |
| 1L | Picture tuning incorrect (like AFC fault) | * ICB102, LB101, RB134, CB137 |
| 1L | Picture "over driven" | * Add AGC components RTB101, RB115, RB116 (places exist). Adjust |
| 1L | Picture "jumps" as cold | * Change CB105 for $220 \mu \mathrm{~F}$ |
| 1L | Ripple (hum) area on left side at times | * Change RB608 for 33k |
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|  | Faults appeared in the sound |  |
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| 1L | No sound | * Check SWC-switch of mains switch. If in short circuit, mute function is on. <br> * Check CB118, CB119, CB133, ICB102 |
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|  | No picture |  |
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| $15^{\prime \prime} \mathrm{L}$ | Does not start, or start takes a long time | * TN04 (filtering of 8.5V) |
| $15^{\prime \prime} \mathrm{L}$ | Does not start, destroys control processor | * TN30 and DN16 |
| $15^{\prime \prime} \mathrm{L}$ | Does not start, destroys S2000AF | * TN01, DN02, DN03, DN04 |
| $15^{\prime \prime} \mathrm{L}$ | Does not start | * Ipsalo hybrid, DN15. If no pulses on triac, check CN07 |
| $15^{\prime \prime} \mathrm{L}$ | Does not start (thunderstorm damages) | * DB601, HB600, MB601, and semiconductors on power supply |
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## 1L-chassis

|  | Other |  |
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| $15^{\prime \prime} \mathrm{L}$ | Does not operate with whole voltage range (10V-32V) | * Check value of RP02, if 22k, change for 2k2 |
| 1 L | Does not operate in accumulator use | * Check RP34, RP05, IP01, DN15 |
|  |  |  |
| 1L | Note! Ipsalo hybrid version LF0059D replaces all previous versions (cut off pin 4 if necessary) |  |

