

Service Information

1. Modifications NTSC panel

This panel has been modified during production. This modification was introduced in week 9202. The new circuit and parts list is given below.

3650	4822 051 20183	18k 5% 0.1W
3651	4822 051 10102	1k 2% 0.25W
3652	4822 051 10822	8k2 2% 0.25W
3653	4822 051 10104	100K 2% 0.25W
3654	4822 051 20222	2k2 5% 0.1W
3655	4822 051 20222	2k2 5% 0.1W
3656	4822 051 10103	10k 2% 0.25W
6650	4822 130 82583	LLZ-C9V1
6651	4822 130 80446	LL4148
7650	5322 130 42136	BC848C
7651	5322 130 42136	BC848C
7652	5322 130 42136	BC848C

2. Introduction new SSP print layout

During production a new layout for the small signal panel (SSP) was introduced in week 9205. The new panel has been introduced in sets whose serial number begins with AG09 or higher. The new circuit diagrams, print layout and parts list have been published in Service Manual FL1.0 AD.

3. New XICOR

During production position 7137 of the small signal panel has been modified from a X2404 to an ST24C04B1 (4822 209 52316). This modification was introduced in week 9207.

Several other components have also been modified during this modification, some of which were introduced earlier.

These modifications are:

Removed

Positions 3256 and 3257 (not for < AG04)

Modified

Positions 3122 and 3123 (8k2) 4822 051 10822 (not for < AG04)

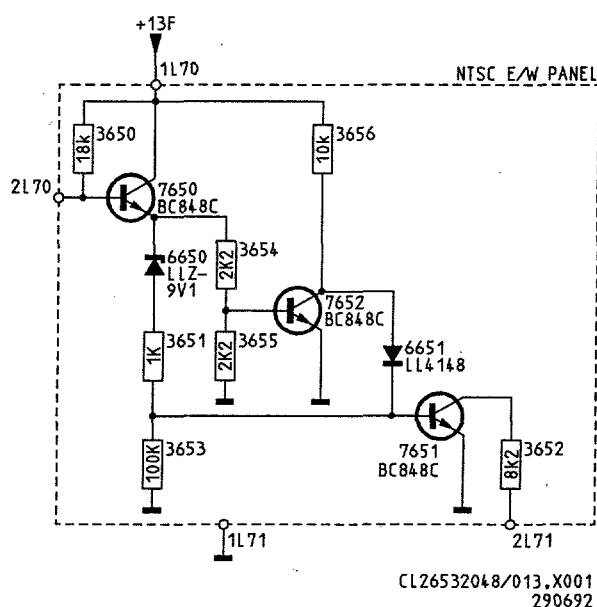
Added

Positions 3287 and 3288 (10K) 4822 051 10103 (not for < AG04)

Positions 6256 and 6257 (LL4148) 4822 130 80446 (not for < AG04)

Positions 6135 (4702) 4822 051 10471

The addition of position 6135 must occur if 7137 is modified to an ST24C04B1 and may not be present if an X2404 is used.



4. Modification picture tube

The Blackline S picture tube was introduced in week 9214. This picture tube has been introduced in sets with a serial number AG13 or higher.

25" A59EAK222X13	4822 131 20487
28" A66EAK222X13	4822 131 20472

5. Introduction of new delay line

During production position 7366 (TDA 4660) of the small signal panel has been modified to a TDA4661 (4822 209 31714). This modification has been introduced as from week 9216.

Along with the IC several other components have been modified, namely:

Removed

Position 2386

Position 3385

Modified

Position 3383 to 33k Ω	4822 051 10333
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Position 3390 to 820 Ω	4822 051 10821
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6. Introduction V35 software.

A new microprocessor panel has been introduced during production. The software on this panel has been modified with the possibility for switching out digital sound with a poor NICAM signal, and no longer going into standby after 10 minutes if a sound-only external signal is received by the set.

This new microprocessor panel has been introduced in sets whose serial numbers begin with AG14 or higher. The code number for this panel is 4822 212 23889.

7. Modification PIP module

During production the PIP module in the 25PV7960/20S and the 28PV7976/20S has been temporarily modified to a 3104 317 15320 and 3104 317 15330 respectively. This modification has been introduced in sets whose serial numbers begin with AG15.

8. Picture tube modification

The Blackline S picture tube has been modified during production. The new picture tube has been introduced in sets whose serial numbers begin with AG22 or higher.

25" A59EAK252X13	4822 131 20521
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28" A66EAK252X13	4822 131 20472
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9. Addition SECAM DK

It is currently possible to add SECAM DK to FL1.0 sets. The code number for the SECAM DK print is 4822 212 30039.

A. Addition of SECAM DK to NICAM sets

- with NICAM module 3104 317 10750 or

3104 317 10760:

- add bridging wire 9122 to the NICAM module

- solder DK print in connector N50 on the NICAM module.

CAUTION! pin 1 of N50 is not the equivalent of pin 1 on the DK print connector, but pin 9.

- with NICAM module 3104 317 17070 or

3104 317 17080:

- add bridging wire 9017 to the NICAM module

- solder DK print in connector N50 on the NICAM module.

To obtain SECAM DK positions 4610 and 2604 have to be present on the small signal panel and the bridging wire 9615 removed. These components are all present in multi-sets so that bridging wire 9615 must be removed.

B. Adding to non NICAM sets

- add jumper 4166 on the small signal panel (only for \geq AG04)

- solder DK print in connector S43 on the small signal panel

To obtain SECAM DK positions 4610 and 2604 have to be present on the small signal panel and the bridging wire 9615 removed. These components are all present in multi-sets so that bridging wire 9615 must be removed.

Remarks: Option code 1 must be increased with 32.