

Service Adjustments Cont'd.

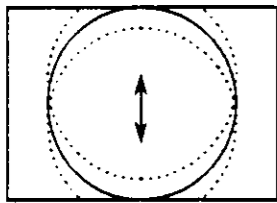


Fig 2

3: "VER AM"

- 1: Receive Philips pattern signal.
- 2: When Δ button is pressed, vertical size of picture increases.
- 3: When ∇ button is pressed, vertical size of picture decreases.
- 4: Adjust the vertical size to obtain overscan (fig. 3).

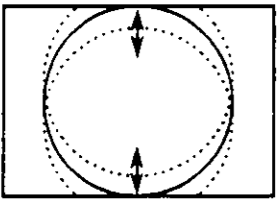


Fig 3.

4: "VER SM"

- 1: Receive Philips pattern signal.
- 2: When Δ button is pressed, upper picture scanning decreases and lower picture scanning increases.
- 3: When ∇ button is pressed, upper picture scanning increases and lower picture scanning decreases.
- 4: Adjust the vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. 4).

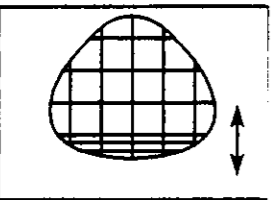


Fig 4.

Colour Adjustment

5: "LUMA D"

- 1: Receive Philips pattern signal.
- 2: When Δ button is pressed, luma phase delays.
- 3: When ∇ button is pressed, chroma phase delays.
- 4: Adjust the chroma-luma delay.

The following adjustments are only required when the Picture Tube is changed.

6: "GAIN R", "GAIN G", "GAIN B".

- 1: Adjust G2.
- 2: Tune in white card.
- 3: Adjust colour to minimum.
- 4: Position colourmetre in the centre of screen.
- 5: Using brightness and contrast buttons, select a luminance of ≈ 120 nits.
- 6: Operate again in Service Mode and select location GAIN R, GAIN G, GAIN B to obtain colour co-ordinates:
X = 0.290 ± 0.015
Y = 0.284 ± 0.015
- 7: Exit Service Mode and check colour co-ordinates 'X' and 'Y' at 20 and 120

NITS. It may be necessary to repeat procedure.

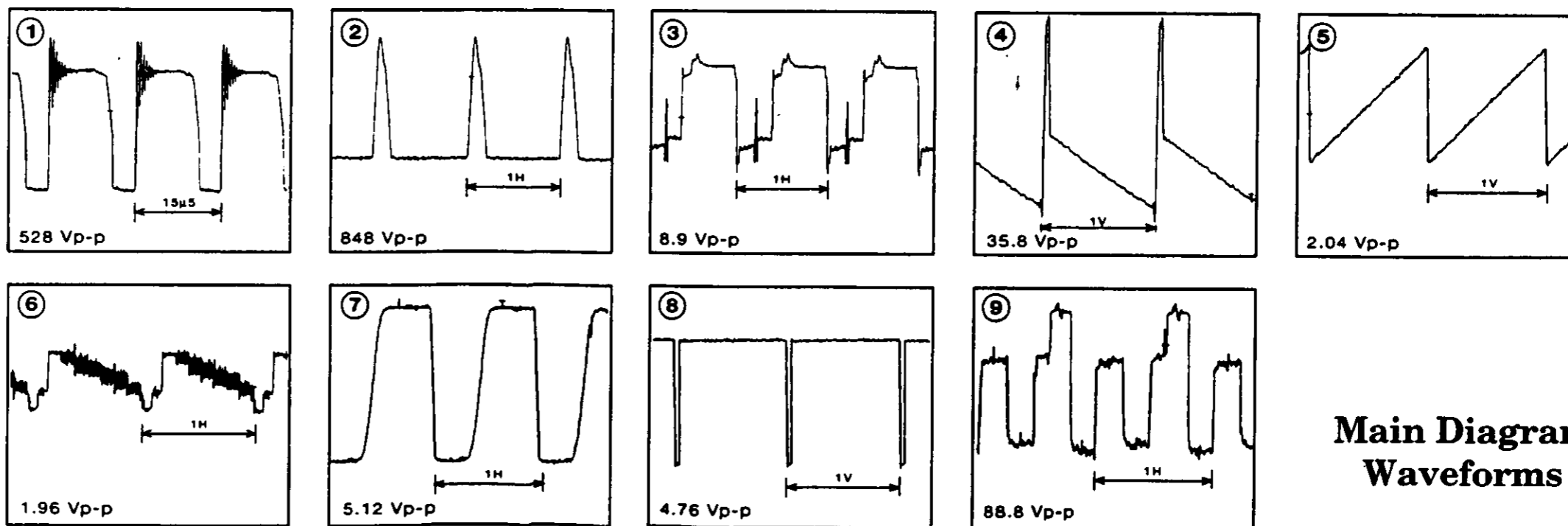
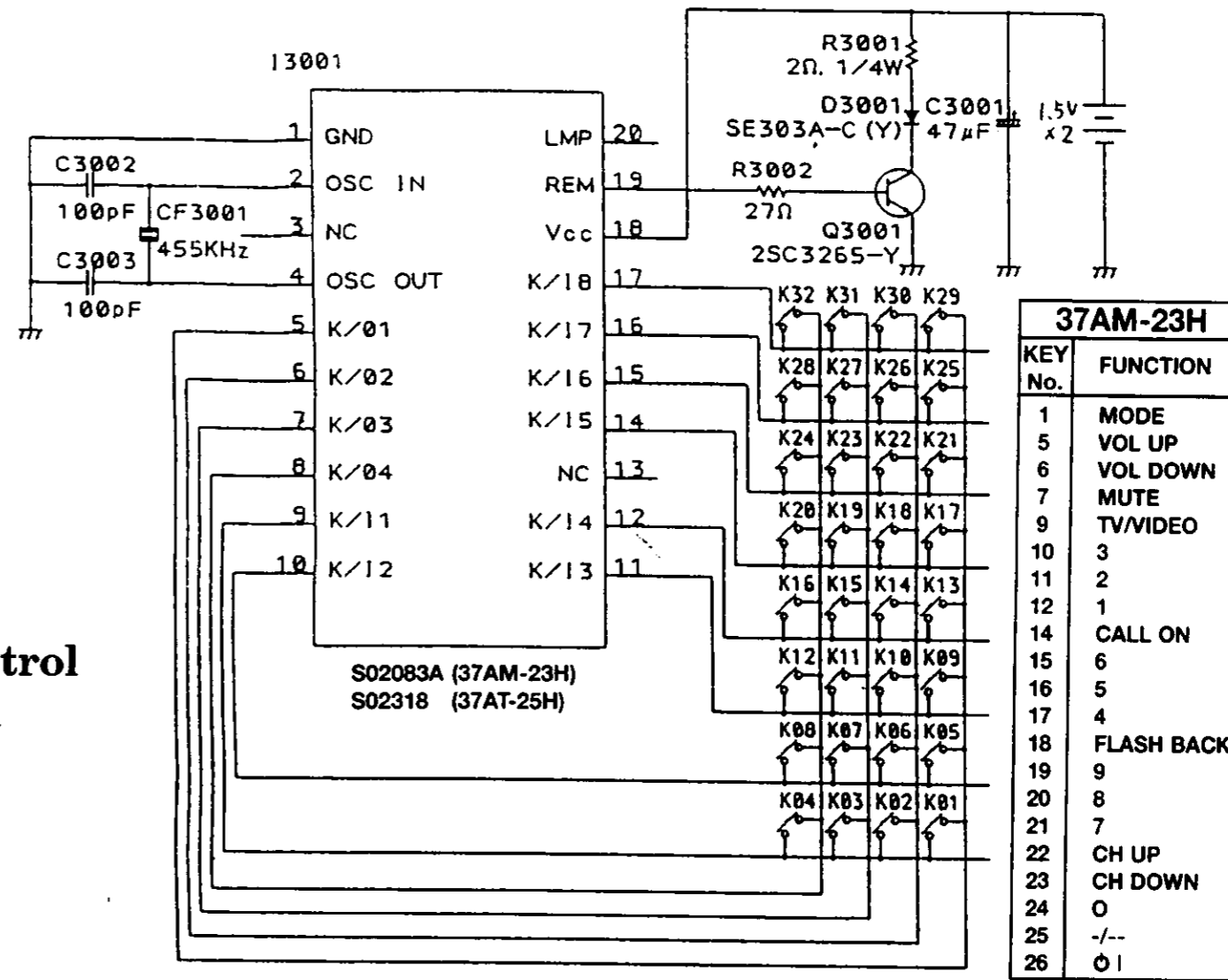
Note:
Locations: GAIN R alter 'X' co-ordinate;
GAIN G alter the 'Y' co-ordinates; GAIN B alter the 'X' and 'Y' co-ordinates.

Child Lock Cancel

The following process describes how to cancel actual password (PIN) when the customer forgets the code.

- 1: Switch ON TV set.
- 2: Press buttons ∇ Δ on TV and \square / \rightarrow on R/C simultaneously.
- 3: Press MODE button on R/C to input menu.
- 4: Using buttons Δ CH ∇ move to \rightarrow position.
- 5: Press MODE button again.
- 6: Select PIN and input new PIN (please do not forget it).
- 7: Select EXIT and press MODE button again.

Remote Control Diagram



Main Diagram Waveforms

Main Diagram

