

# Service Manual

Colour Television

TX-47PT1F

EURO5-VP Chassis

Supplement

Please file and use this Supplement manual together with the service manual for Model No. TX-47PT1F Order No. ITD9903003C2.

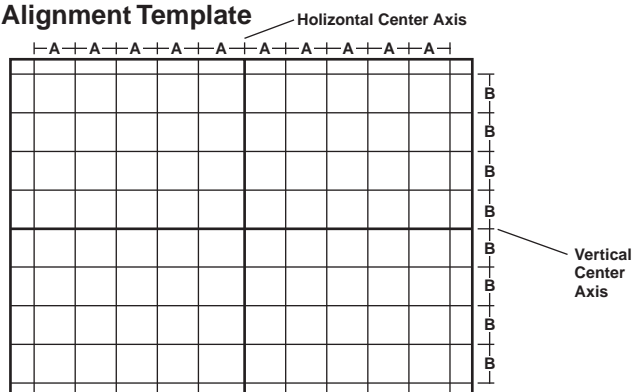
## ⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## Correction of Convergence Alignment Template and Addition of Convergence Control Chart

### Convergence Alignment Template (Parts NO. TZSC07016)

#### Alignment Template



| Block Dimensions |               |
|------------------|---------------|
| For NTSC         | For PAL/SECAM |
| A=86.02mm        | A=87.82mm     |
| B=66.50mm        | B=65.75mm     |

Align the Template's Horizontal and Vertical center lines with the TV's Mechanical Test Marks.

The **Convergence Alignment Template** is a grid approximately the size of the viewing screen used to ensure the proper size and shape of the alignment rasters. It is 10 blocks across by 8 blocks high. The grid dimensions will vary according to the size of the screen.

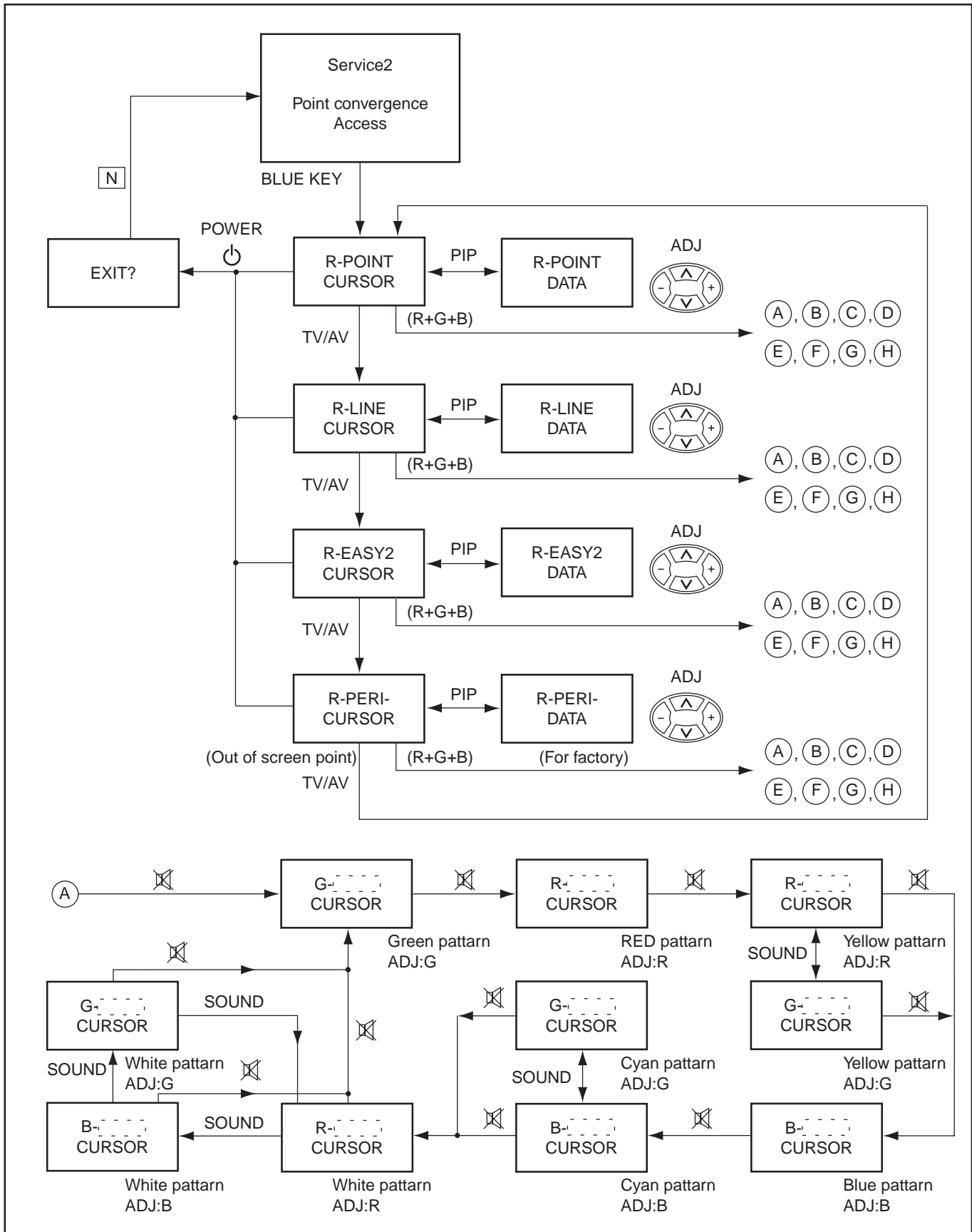
**Apply a Convergence Alignment Template** to the viewing screen of the TV. Make sure the center lines are properly aligned. If a template is not available, one can be created by following the instructions below.

**Create a Convergence Alignment Template** by drawing the pattern to the right in the actual dimensions on transparent film or tracing paper. Start with the Horizontal and Vertical Center Axis and work outwards until the pattern is complete. Pay close attention to the actual dimensions of the pattern.

**Note:** Part No. of Convergence Alignment Template and Block Dimensions were changed.

# Panasonic

## Convergence Control Chart



**Convergence Control Chart**

