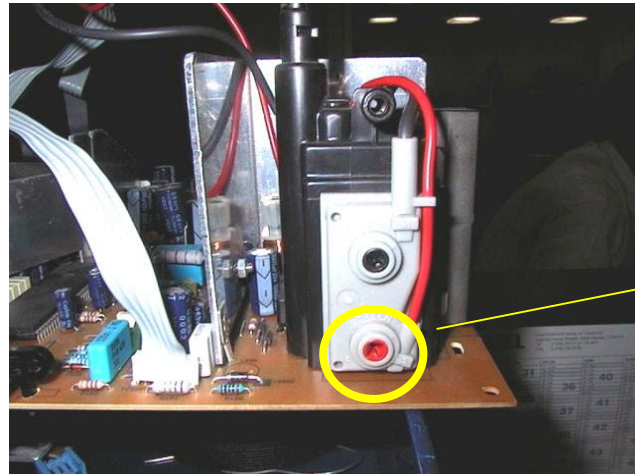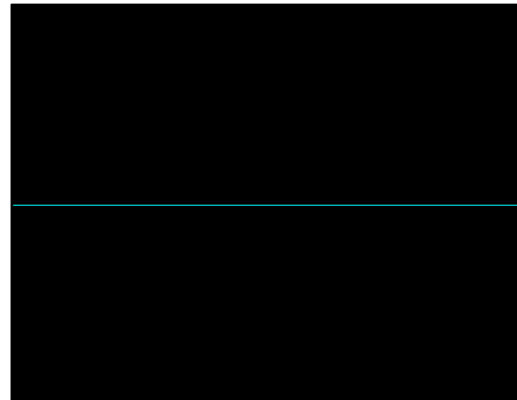## SCREEN ADJUSTMENT: (FBT Screen)

SCREEN
ADJ.POT.

Enter service menu by pressing "MENU" and "4, 7, 2, 5" from remote controller. Then press yellow button to disable vertical scan. Adjust screen via screen pot. For a thin horizontal line. Press yellow button again to enable vertical scan. Press "TV" button to leave service menu.

VLIN: Vertical Linearity

Enter a PAL B/G circle test pattern via RF. Change VLIN till you see circle as round as possible.

Min. Value: 000
Max. Value: 063
Recommended Value: 045

VS1A: Vertical Size for 50 Hz / 4:3

Enter a PAL B/G circle test pattern via RF. Change VS1A (Vertical Size) until horizontal black lines on both the upper and lower part of the test pattern become very close to the upper and lower horizontal sides of picture tube and nearly about to disappear. Check and readjust Vertical Size item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 063
Recommended Value: 030

VS1B: Vertical Size for 50 Hz / 16:9

Enter a PAL B/G circle test pattern via RF. Enter service menu and press GREEN (PICTURE) button from remote controller to switch to 16:9 picture mode on service menu. Change VS1B (Vertical Size) till the picture becomes 16:9 format. Check and readjust Vertical Size item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 063
Recommended Value: 056

VP1: Vertical Position for 50 Hz

Enter a PAL B/G circle test pattern via RF. Change Vertical Position till the test pattern is vertically centered. Horizontal line at the center pattern is in equal distance both to upper and lower side of the picture tube. Check and readjust Vertical Position item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 015
Recommended Value: 010

HP1: Horizontal Position for 50 Hz

Enter a PAL B/G circle test pattern via RF. Change Horizontal Position until the picture is horizontally centered. Check and readjust Horizontal Position item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 063
Recommended Value: 035

VS2A: Vertical Size for 60 Hz / 4:3

Enter an NTSC-M circle test pattern via RF or video inputs. Change Vertical Size until the checkered parts of test pattern on both of upper and lower side disappear. Check and readjust Vertical Size item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 063
Recommended Value: 013

VS2B: Vertical Size for 60 Hz / 16:9

Enter an NTSC-M circle test pattern via RF or video inputs. Enter service menu and press GREEN (PICTURE) button from remote controller to switch to 16:9 picture mode on service menu. Change Vertical Size until the picture becomes 16:9 format. Check and readjust Vertical Size item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 063
Recommended Value: 038

VP2: Vertical Position for 60 Hz

Enter an NTSC-M circle test pattern via RF or video inputs. Change Vertical Position till the test pattern is vertically centered. Horizontal line at the center pattern is in equal distance both to upper and lower side of the picture tube. Check and readjust Vertical Position item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
Max. Value: 015
Recommended Value: 012

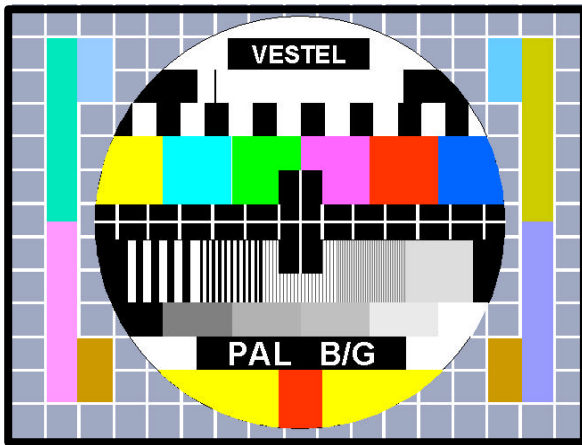## HP2: Horizontal Position for 60 Hz

Enter an NTSC-M circle test pattern via RF or video inputs. Change Horizontal Position till the picture is horizontally centered. Check and readjust Vertical Size item if the adjustment becomes improper after some other geometric adjustments are done.

Min. Value: 000
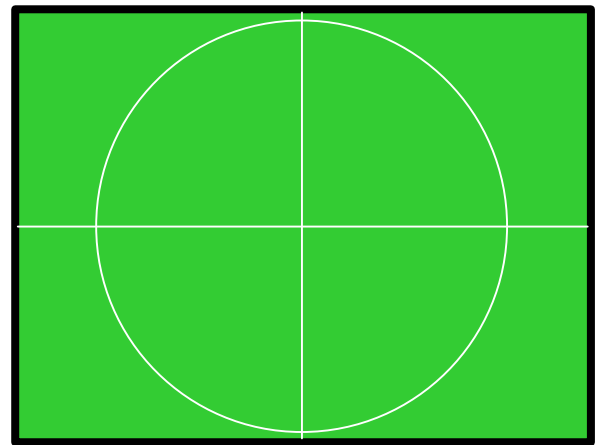Max. Value: 063
Recommended Value: 030

RGBH: RGB Mode Horizontal Shift Offset

Enter a RGB circle test pattern via video inputs. Force the TV to RGB mode by pressing AV button from remote controller. Change RGB Horizontal Position till the picture is horizontally centered. Check and readjust RGBH item if the adjustment becomes improper after some other geometric adjustments are done.
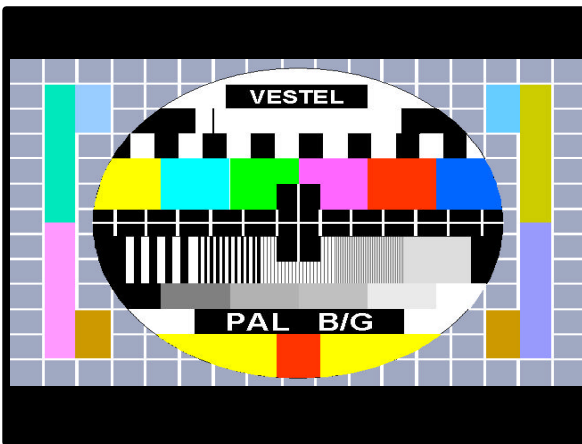
Min. Value: 000
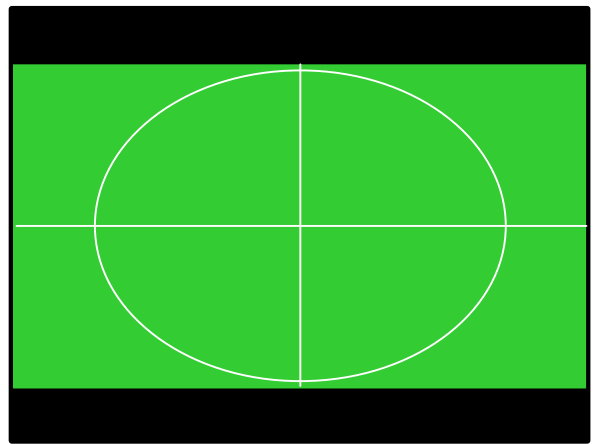Max. Value: 063
Recommended Value: 007

4:3 50Hz GEOMETRY ADJ.

4:3 60Hz GEOMETRY ADJ.

16:9 50Hz GEOMETRY ADJ.

16:9 60Hz GEOMETRY ADJ.