

Set-Up Adjustment - Toshiba S5ES Series Service Manual

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Bookmarks



WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows :

1. Color Purity
2. Convergence
3. White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning. Refer to figure 1.

Mounting position of the purity magnet assembly should fit to same position as old one because slightly difference to the position depend on a kind of tube.

*

There are no adjustment of purity and convergence in some picture tube (Unified with purity magnet)

■ The following adjustments should be made when a complete realignment is required or a

NOTE : Before attempting the adjustments, the receiver should be operated at least fifteen minutes.

1. Demagnetize the picture tube anode magnet using a degauss-
2. Convergence
3. White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical

SET-UP ADJUSTMENT

REAL ADJUSTMENTS

ing coil.

- 2. Set the brightness and contrast to maximum.
- 3. Use a green raster from a signal generator.
- 4. Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.

DEFLECTION

YOKE

GLASS CLOTH

TAPES

All manuals and user guides at all-guides.com

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

SET-UP ADJUSTMENT

SET-UP ADJUSTMENT

- 5. Remove the Rubber Wedges.
- 6. Rotate and spread the tabs of the purity magnet (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
- 7. Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
- 8. Check the purity of the red and blue raster.

■ The following adjustments should be made when a complete realignment is required or a receiver should be operated for at least fifteen minutes.

Perform the adjustments in order as follows :

- 1. Color Purity
- 2. Convergence
- 3. White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical adjustment. Refer to figure 1.

Mounting position of the purity magnet assembly should fit to same position as old one. The position depend on a kind of tube.

- 29.1mm(28", 29")
- 25mm(25")
- 19mm(19", 20", 21")
- 14mm(13", 14")

PURITY/

CONVERGENCE

MAGNET ASS'Y

* There are no adjustment of purity and convergence in some picture tube (Unified with purity magnet assembly).

Figure 1.

- 4 -

COLOR PURITY ADJUSTMENT

NOTE: Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

- 1. Demagnetize the picture tube and cabinet using a degaussing coil.
- 2. Set the brightness and contrast to maximum.
- 3. Use a green raster from a signal generator.
- 4. Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.

- 5. Remove the Rubber Wedge.
- 6. Rotate and spread the tabs (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
- 7. Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
- 8. Check the purity of the red and blue raster.

TEMPORARY

MOUNTING

DEFLECTION

YOKE

RUBBER WEDGE

ADHESIVE

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