

4. Alignment and Adjustment

4-1 Preadjustment

4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video mode.
2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.
3. Do not tamper with the "Adjustment" screen of the Factory Mode menu. This screen is intended only for factory use.

4-1-2 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced all adjustment data revert to their initial values. It is necessary to re-program this data.
2. After IC902 is replaced, warm up the TV for 10 seconds

4-1-3 When CRT Is Replaced

1. Make the following adjustments AFTER setting up after setting up purity and convergence:

White Balance
Sub-Brightness
Vertical Center
Vertical Size
Horizontal Size

4-2 Factory/Service Mode

4-2-1 Procedure for the "Adjustment" Mode

1. This mode uses the standard remote control. The Service Mode is activated by (1) pressing the "HIDDEN" service key on the local-keyboard, or (2) by entering the following remote-control sequence:

STAND-BY → P.STD → HELP → SLEEP → POWER ON
2. The "SERVICE (FACTORY)" message will be displayed. The Service Mode has four components: Adjustment, Test Pattern, Option Bytes and Reset.
3. Access the Adjustment Mode by pressing the "VOLUME" keys (▲, ▼). The adjustment parameters adjusted are listed in the accompanying table, and they are selected by pressing the CHANNEL keys (▲, ▼).

4. Selection sequences for the PAL system:

down or up key:
AGC>SBT>SCT>SCR>PDL>RC>GC>BC>RG>BG>PSL>PVS>PVA>PHS

The diagram shows a sequence of menu items: AGC, SBT, SCT, SCR, PDL, RC, GC, BC, RG, BG, PSL, PVS, PVA, PHS. A horizontal line with an upward-pointing arrow at the left end and a downward-pointing arrow at the right end is positioned below the sequence, indicating that the 'down or up key' is used to navigate between these items.

5. Selection sequences for the NTSC system:

down or up key:
AGC>SBT>SCT>SCR>STT>NDL>RC>GC>BC>RG>BG>NSL>NVS>NVA>NHS

The diagram shows a sequence of menu items: AGC, SBT, SCT, SCR, STT, NDL, RC, GC, BC, RG, BG, NSL, NVS, NVA, NHS. A horizontal line with an upward-pointing arrow at the left end and a downward-pointing arrow at the right end is positioned below the sequence, indicating that the 'down or up key' is used to navigate between these items.

6. The VOLUME keys increase or decrease the adjustment values, which are stored in the non-volatile memory as soon as the Adjustment mode is cancelled.
7. Cancel the Adjustment Mode by repressing the "HIDDEN" key or the "status" key.