

VIDEO IF AND AFC ALIGNMENT

(Refer to Figure 5)

TEST EQUIPMENT CONNECTION

OSCILLOSCOPE ... Set AC-DC switch to AC position.

SWEEP-MARKER GENERATOR ... Connect H SCOPE and V SCOPE output cables from SWEEP-MARKER GENERATOR to H and V input connectors on OSCILLOSCOPE, connect red lead of SWEEP-MARKER OUTPUT cable to test point TP on TV tuner; connect black lead to chassis ground. Connect yellow lead of SWEEP-MARKER GENERATOR FROM TP cable to NO.2 of 12 pin connector; connect black lead to chassis ground.

STEP	ADJUSTMENT	COMPONENT	PROCEDURE
1			Connect 100 ohm resistor between T7401.
2			Connect AGC volume between TP(AGC) to +12V. Adjust AGC volume not to saturate.
3	VIF X'fmr	T7401	Adjust T7401 to obtain maximum amplitude of response curve. (Refer to Response Curve "A")
4			Disconnect 100 ohm resistor.
5	IFT on TV tuner		Adjust IFT on TV tuner to obtain maximum amplitude of response curve at 39.5MHz (Refer to Response Curve "B")
6			Disconnect yellow lead of SWEEP-MARKER FROM TP cable. Connect digital voltmeter to AFC output pin on TV tuner.
7			Turn on the AFT switch. Turn AGC volume to maximum gain (TP(AGC) about 4.3V)
8	AFT X'fmr	L7401	Turn L7401 core gradually. Adjust AFT voltage to 6.5V while AFT voltage is changing quickly.
9			Disconnect AGC volume.