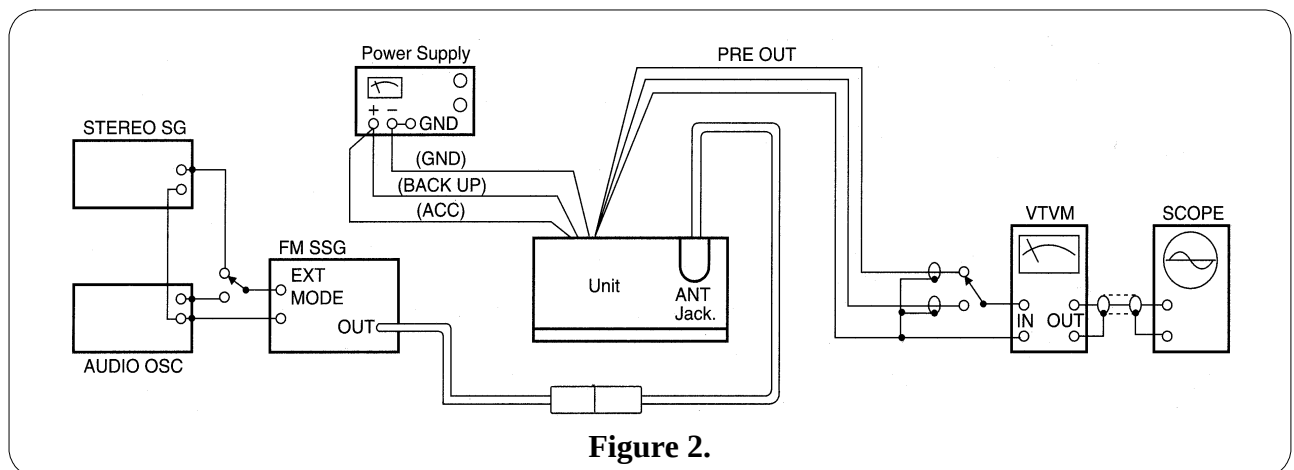


2. FM ADJUSTMENT



- (1) The impedance of FM antenna terminal is 75Ω .
Therefore, connect coaxial cable (3C-2V etc.) between FM SG and antenna terminal when wiring.

Item Type	FM SSG Attenuator Indication	Available Power Rato	Antenna Terminal Voltage
Open indication type	0dB	5.2dBf	6dB/uV
	60dB	65.2dBf	66dB/uV
Load or close indication type	0dB	11.2dBf	12dB/uV
	54dB	65.2dBf	66dB/uV

- (2) There are two kind in indication of FM SG output attenuator
- 1) Attenuator with marking of 75Ω open ... open indication type.
 - 2) Attenuator with marking of 75Ω load or close ... load or close indication type.
- (3) FM SG output level in this FM adjustment are described as open indication type. The left table shows relations among FM SG attenuator indication (dB), available power ratio (dBf) and antenna terminal voltage (dB/uV) in each indication type.

NOTE: 1. BAND Switch FM
2. BALANCE Center
3. TREB/BASS Center
4. Connect as shown in figure 2.
5. Refer to figure 1 for Adjustmenu Points.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUSTMENT	ADJUST FOR	REMARK
		FROM	TO				
1	Discriminator	98MHz 60dB No Dev. FM SSG	ANT Jack or Point C	Between Point A & Point B, DC Volt Meter.	T101	DC 0V $\pm 10\text{mV}$	
2	FM Search Level Adj.	98Mhz Wonted Stop Level (dB) FM SSG	Same as above	Between Point D & GND DC Volt Meter	VR101	DC 1.6V $\pm 0.1\text{V}$	

3. AM(MW) ADJUSTMENT

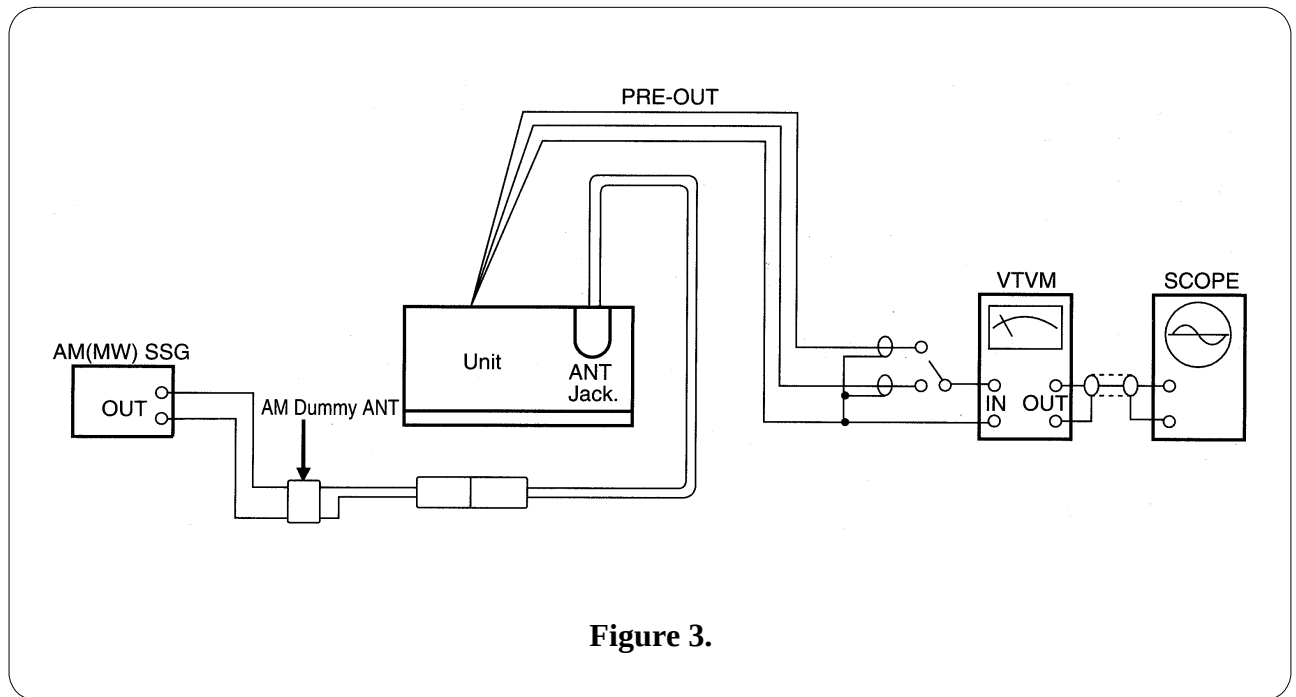


Figure 3.

- NOTE:**
1. BAND Switch AM(MW)
 2. Connect as shown in figure 3.
 3. Refer to figure 1 for Adjustment Points.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUSTMENT	ADJUST FOR	REMARK
		FROM	TO				
1	520 or 522kHz Tuning Voltage Adj.	No Input		FL Display (Reception Frequency)	Tuning (Up/Down) Switch	522kHz	
				Between Point G & GND, DC Volt Meter.	L206	DC 1.2V $\pm$ 0.1V	
2	IF Coil Adj.	603kHz ANT input, 30dB, 400Hz(30%MOD) AM SSG.	ANT Jack or Point C	Output L or R ch, VTVM & Oscilloscope	T201 & T202	Max. Output	
3	603kHz RF Adj.	603kHz ANT input, 30dB, 400Hz(30%MOD) AM SSG.	Same as above	FL Display (Reception Frequency)	Tuning (Up/Down) Switch		
				Output L or R ch, VTVM & Oscilloscope	L204 & L205	Max. Output	

4. LW ADJUSTMENT

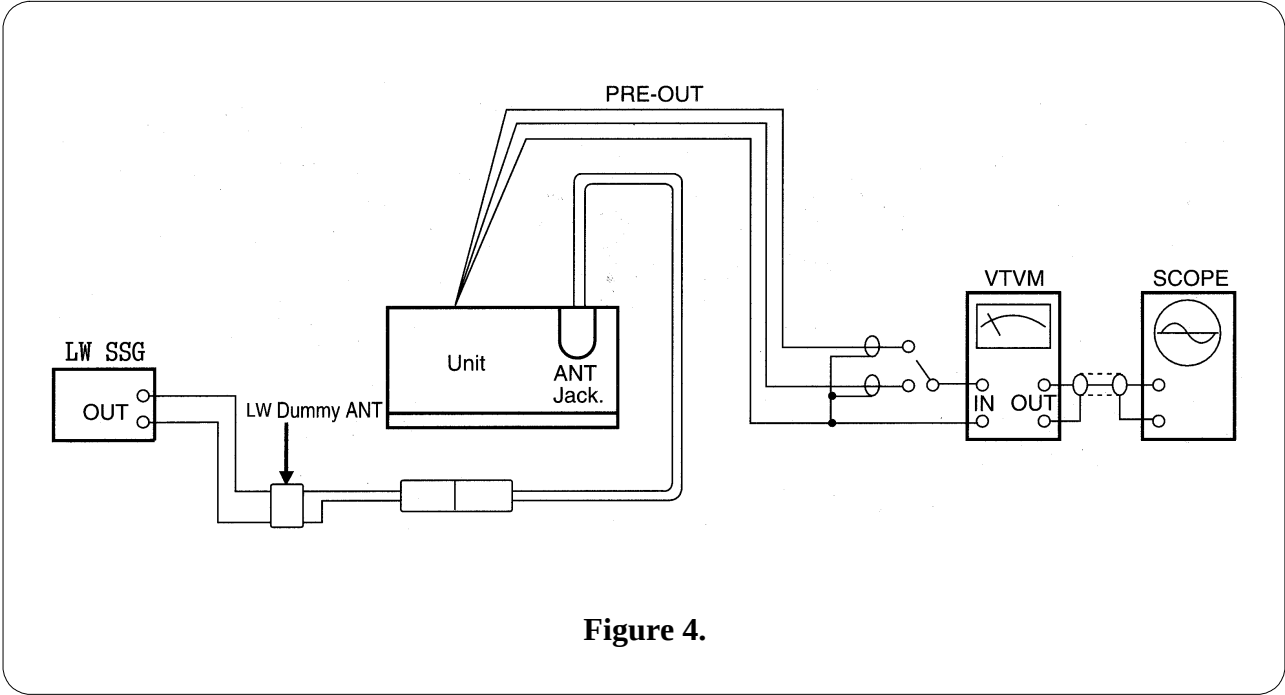


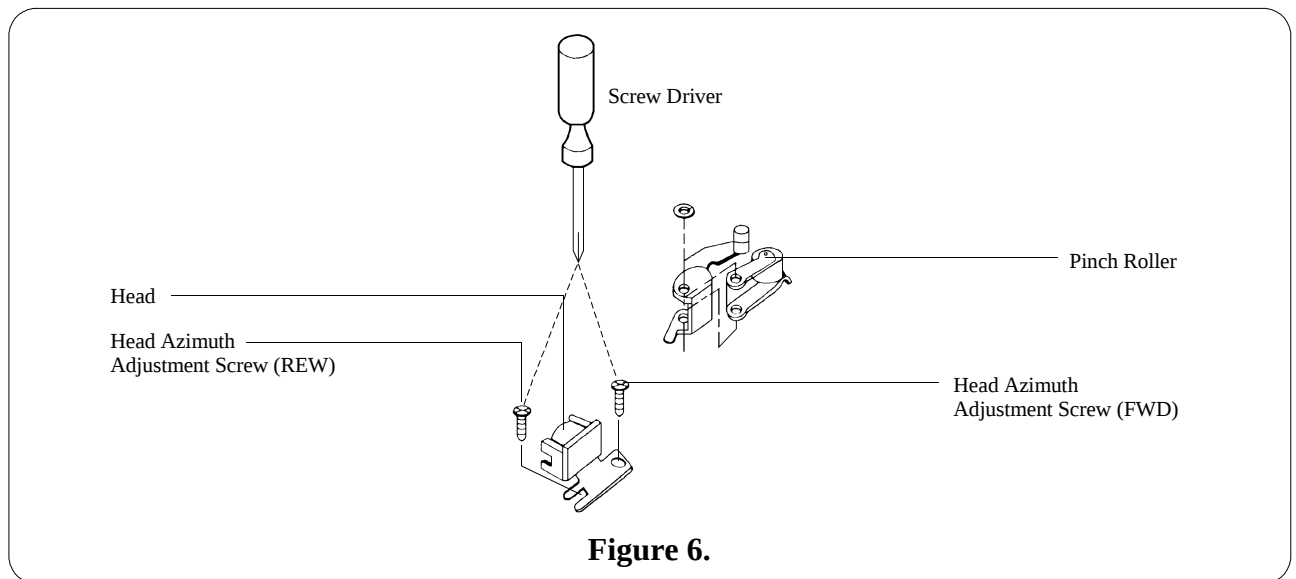
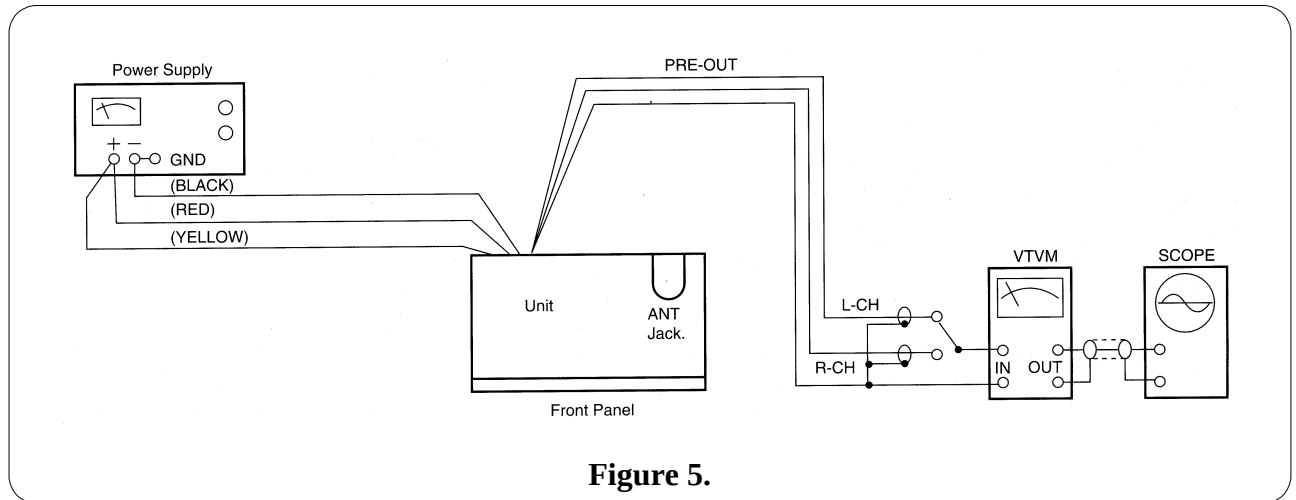
Figure 4.

- NOTE:**
- 1. BAND Switch LW
 - 2. Connect as shown in figure 4.
 - 3. Refer to figure 1 for Adjustment Points.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUSTMENT	ADJUST FOR	REMARK
		FROM	TO				
1	144kHz Tuning Voltage Adj.	No Input		FL Display (Reception Frequency)	Tuning (Up/Down) Switch	144kHz	
				Between Point G & GND, DC Volt Meter.	L253	DC 1.4V ±0.1V	
2	160kHz RF Adj.	160kHz ANT input, 30dB, 400Hz(30%MOD) AM SSG.	Same as above	FL Display (Reception Frequency)	Tuning (Up/Down) Switch		
				Output L or R ch, VTVM & Oscilloscope	L251 & L252	Max. Output	

5. CASSETTE DECK ADJUSTMENT

- (1) Before this adjustment, clean PLAYBACK head surface.
- (2) For this adjustment, use test tape MTT-114.
- (3) VOLUME Maximum
- (4) BALANCE Center
- (5) TREB/BASS Center
- (6) Connect as shown in figure 5.



STEP	SUBJECT	MEASURE OUTPUT	SETTING	ADJUSTMENT	ADJUST FOR	REMARK
	P.B. Head Adj	L-CH, R-CH, VTVM and Scope See figure 5.	Playback(FWD & REW) the TEST TAPE MTT-114	Adjust the azimuth adjusting screw (in figure 6.)	MAX. Output both channels on FWD and REW PLAY	After this adjustment, lock the screw with paint