

1. Alignment and Adjustments

1-1 Tuner

TUNER ADJUSTMENTS MODEL: RCD-S50

Use a plastic screw driver for adjustments.

Adjust the intermediate frequency of AM and FM to the frequency of ceramic filter.

Set of unit

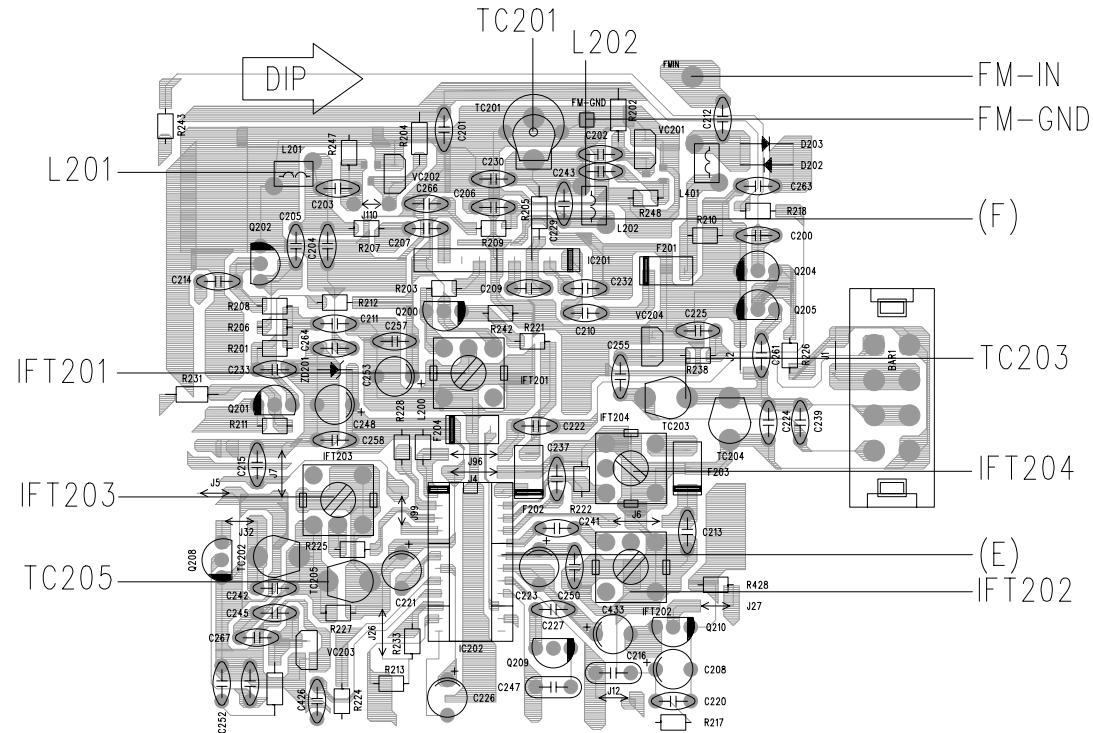
Supply voltage : DC 12.0V

Speaker impedance : 4 ohms

Standard output : 50 mW

Function switch : RADIO

Parts Location



a. AM Adjustment Band switch : MW

Step	Adjusting Circuit	Connections		SG Frequency	Position of Tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Closed the output terminal by sweep generator, it place to MW ANT	Connect sweep generator to IC202 IC202(19) PIN(E)	450KHz	Low	IFT204	
2	Tuning coverage	Connect AM SG to test loop	Connect VTVM to speaker terminals.	522 KHz	Low end	IFT203	Max.
3				1611 KHz	High end	TC205	
4	Tracking	Connect AM SG to test loop	Connect VTVM to speaker terminals	594 KHz	594 KHz	MW ANT	Max.
5				1404 KHz	1404 KHz	TC203	

b. FM Adjustment Band switch : FM FM Dummy antenna : 75 ohms unbalance

Step	Adjusting Circuit	Connection		SG Frequency	position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Connect sweep generator to IC201 IC201(3)pin (F)	Connect VTVM to generator to (19)PIN IC202(19) PIN(E)	10.7MHz	Low	IFT201 and IFT202	
2	Tuning coverage	Connect FM SG to FM-IN1 & FM-GND	Connect VTVM to speaker terminals.	87.5 MHz	Low end	L201	Max.
3				108 MHz	High end	NO ADJUST	
4	Tracking	Connect FM SG to FM-IN1 & FM-GND	Connect VTVM to speaker terminals.	90.0 MHz	90.0 MHz	L202	Max.
5				106.0 MHz	106.0 MHz	TC201	

1-2 Cassette Deck

TAPE DECK ADJUSTMENTS

1. HEAD REPLACEMENT

- After replacement, demagnetize the heads by using a degausser.
- Be sure to clean the heads before attempting to make any adjustments.
- All wiring should be returned to the original position after work is completed.

2. HEAD AZIMUTH ADJUSTMENT

- (1) Load the test tape (MTT-113N, etc., 6.3 KHz) for azimuth adjustment.
- (2) Press the PLAY button.
- (3) Use a cross-tip screwdriver to turn the screw for azimuth adjustment so that the left and right output are maximized.
- (4) Press the STOP button.
- (5) After completion of the adjustment, use thread lock (TB-1401B) to secure the azimuth-adjustment screw.

3 MOTOR REPLACEMENT

4 AC BIAS FREQUENCY ADJUSTMENTS

- (1) connect counter to T100(BS);
- (2) R/P switch in recording state;
- (3) Adjusting T100 use a plastic screw, AC bias frequency: 80KHZ..

5 MOTOR SPEED ADJUSTMENT

- (1) Insert the test tape (MTT-111N, etc., 3,000 HZ)
- (2) Press the PLAY button.
- (3) Use a flat-tip screwdriver to turn the SVR (located inside the rear of the motor) to adjust SVR so that the frequency counter become 3,000 HZ