Service Manual

for **RCA CB Co-Pilot**

Model 14T405

Model 14T410

40 Channel Citizen's Band Transceivers

with AM/FM/FM-Stereo Radios

IMPORTANT NOTICE

The transmitter section of this transceiver may only be serviced by, or under the direct supervision of a qualified technician having a valid First or Second Class FCC Radiotelephone license. This includes internal adjustments or replacement of crystals, transistors, or any other components which can affect the performance of the transmitter. Servicing should only be done by a licensed, capable technician using suitable equipment and having complete knowledge of proper CB servicing techniques.

14T405/14T410 – 7/77
Printed in U.S.A.

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Typical Specifications

General

Power Supply Voltage:	DC 12 V (11 – 16 V), Negative ground (13.8 V nom)
Power Consumption:	
RADIO	Approx. 8.3 W (0.6A at 0.5W output, DC 13.8 V)
CB TRANSCEIVER:	Approx. 11 W (0.8 A at non-modulation, DC 13.8 V)

(All performance specifications measured with 13.8 volts power input.)

Power Output:

Continuous:	2 x 3.5 W (at 10% THD)
Maximum:	2 x 4.0 W (Volume Control at max. and Tone Control at treble.)
(Conditions: 400 Hz input signal, 4 Ω load, 13.8 V DC)	
Speaker Impedance:	4 – 8 ohms
Transistors:	36 (14T410) – 38 (14T405)
Diodes:	25 (14T410) – 28 (14T405)
ICs:	7 (14T410) – 8 (14T405)

Transmitter

Channels:	40
Frequency Range:	26.965 – 27.405 MHz
Frequency Tolerance:	±0.005 %
RF Output Power:	4 W (MAX)
Modulation Capability:	80 100 %
Spurious Suppression:	–60 dB or more

For use with 50 ohm antenna

Receivers

CITIZEN'S BAND RECEIVER

Channels:	40
Frequency Range:	26.965 27.405 MHz
Intermediate Frequency:	1st 10.595 MHz 2nd 455 kHz
Sensitivity:	6 dB/uV for S/N 10 dB (at 0.5 W output, DC 13.8 V 1000 Hz, 30 % Mod.)
Selectivity:	5 kHz (at 6 dB down)
Adjacent Channel Rejection:	45 dB
Squelch Sensitivity:	3 dB/uV (threshold)
AGC:	60 dB

AM/FM–STEREO RECEIVER

Frequency Range:	AM 535 – 1605 kHz FM 88 – 108 MHz
Intermediate Frequency:	AM 455 kHz FM 10.7 MHz
Sensitivity:	AM 26 dB/uV FM 18 dB/uV for S/N 10 dB 28 dB/uV for S/N 30 dB (at 0.5 W output, DC 13.8 V, 22.5 kHz Dev.)
Stereo Separation:	25 dB (at 400 Hz)

Mechanical

14T405

Dimensions:	Width:	7-3/8" (188 mm)
	Height:	2-3/4" (70 mm)
	Depth:	4-7/8" (124 mm)
Weight:	Approx. 4.5 lbs (2.05 kg)	

14T410

Dimensions:	Width:	7-1/8" (180 mm)
	Height:	2-1/16" (52 mm)
Weight:	Depth:	5-1/8" (130 mm)
	Approx:	3.5 lbs (1.5 kg)

General Description

The RCA CB Co-Pilot Citizen's Band Transceivers with AM/FM/FM-Stereo radios, Models 14T405 and 14T410, include fully transistorized 40 channel citizen's band transceivers and AM/FM-Stereo radio receivers. Front panel controls and indicators are provided for selection of AM, FM/FM-Stereo, or CB operation. The units are designed for mobile use and are powered by 11-16 volts DC (13.8V nominal), negative ground only. They are especially made for in-dash installation on most cars trucks, boats, or recreational vehicles.

The AM/FM/FM-Stereo radio in Model 14T405 has five presettable pushbuttons for selection of five AM and or FM broadcast stations. A manual tuning control is also provided for continuous tuning for both AM and FM. Automatic frequency control (AFC) is utilized in the FM receiver for drift-free reception. Front panel balance controls provide adjustment of left and right speaker outputs for optimum stereo listening. A front panel fader control on Model 14T405 permits audio output adjustment between the front and rear stereo speakers.

The CB transceivers provide mobile two-way, AM radio communications in the 26.965 to 27.405 Mhz, Class D citizen's band. Operation on all 40 CB channels is provided through use of 3 built-in crystals which generate crystal-controlled, synthesized signals using a PLL (phase-locked-loop) system for transmission and reception on all 40 channels. A rotary channel selector switch provides for rapid channel selection, with digital readout of channels selected.

The transmitter circuit is amplitude modulated and is designed to prevent spurious and harmonic radiation of RF frequencies in conformance with FCC regulations. An automatic level control (ALC) circuit prevents over-modulation of the RF carrier. An RF output meter, located on the front panel, monitors the relative output of the transmitter. A dynamic, push-to-talk microphone connects to a jack on the face of the 14T410 unit, or to a cable on Model 14T405. The receiver portion of the CB transceiver operates with the microphone disconnected.

The CB receiver circuit consists of a dual conversion, superheterodyne circuit, automatic gain control (AGC) circuit, a squelch circuit, and a delta tune circuit. The squelch and delta tune circuits are controlled from the front panel. An illuminated signal strength (S) meter indicates the relative strength of the received signal. A front panel mounted push switch permits listening to AM/FM broadcasts while monitoring a selected CB channel. The CB transmitter cannot be used when listening in this mode. An additional push switch activates the unit for full CB operation and disables the AM/FM radio receiver.

Circuit Description

General

A block diagram of the overall unit is shown in Figure 12. In general, the units consist of an AM radio, an FM/FM-Stereo radio, and a citizen's band transceiver. The audio power amplifier and the speakers are common to the AM/FM/FM-Stereo and citizen's band transceiver. All functions are selected by front panel mounted switches.

Models 14T405 and 14T410 are 40 channel CB units, and AM/FM/FM-Stereo radios, which use a Phase Locked Loop (PLL) system to produce the crystal controlled channel and IF signals used in operation of the transmitter and receiver sections of the CB portion of the unit. The basic PLL system is comprised of a free-running voltage controlled oscillator (VCO), a phase detector, a reference crystal oscillator, 1/N and programmable dividers as seen in the PLL block diagram Figure 1.

The reference crystal oscillator operates at a frequency of 10.24 MHz. Its output is fed to the 1/N divider in IC901, which counts down the frequency by 1/1024 resulting in a 10 kHz signal output. Simultaneously it counts down the signal by 1/2 producing a 5.12 MHz signal. This signal is tripled to 15.36 MHz in the frequency tripler and fed to the PLL Mixer. The VCO free running oscillator, which is operating in the 16.370 to 16.810 MHz range is also feeding a signal to the PLL mixer. The two signals heterodyne in the mixer resulting in a difference signal between 1.01 and 1.45 MHz. This signal feeds to the programmable counter in IC901 which counts the signal down by 1/101 to 1/145, being programmed by the channel selector. When the PLL mixer and the divider signals correspond a 10 kHz output feeds to the phase detector. This in phase signal with the 10 kHz signal

from the reference oscillator locks the VCO on frequency. If a new channel frequency is programmed to the counter, the counter output is no longer in phase in the phase detector. This results in a DC voltage from the phase detector shifting the VCO frequency, up or down, until the VCO output results in a 10 kHz signal from the counter that is in phase in the phase detector. The VCO is thereby locked on the new frequency.

In summary it will be seen that a range of stable VCO output signals in the 16.370 to 16.810 MHz range will be produced, each specific frequency being determined by the code selected by the channel selector. These output signals are used to control the operating frequencies of both the CB transmitter and receiver sections. Refer to table on page 17 for relationship of channel/VCO/receiver OSC/transmitter OSC and counter frequencies.

CB Transmitter

Refer to the overall block diagram shown in Figure 12 and to simplified block diagram on Page 17. The transmitter crystal oscillator TR907 operates at 10.595 MHz, controlled by crystal X901. Its signal is beat in the mixer TR905 with the 16 MHz signal output from the VCO, the exact frequency of which is determined by channel selection and the PLL circuitry, as previously outlined. The resultant signal (the sum of the two) that is fed on to the RF buffer amplifiers, is the channel frequency of the channel selected (Channel 1-40 between 26.965 and 27.405 MHz) see Frequency Chart on Page 17.

The 27 MHz RF buffer-amplifier output is coupled to RF buffer TR903 then on to driver transistor TR902. The buffers and driver serve to isolate the oscillator and mixer stages from the output, and at the same time provide some power gain. The output of TR902 is fed to TR901, the RF output stage of the transmitter. This stage amplifies the 27 MHz RF signal resulting in an output of 4 watts.

In the transmit mode, the microphone feeds audio through IC904 to AF Power Amplifier IC301 then to TR901 and TR910 thereby modulating the transmitter. This modulating audio is applied to both the driver and output stages to provide carrier modulation up to 100%. An ALC voltage derived from the audio signal at IC904 is fed back to IC904 through TR908 and TR909 to control the output of IC904 and prevent over modulation. Factory adjustment of a 95% modulation level is achieved by adjustment of VR902 and VR903.

CB Receiver

Refer to overall block diagram in Figure 12 and to the simplified diagram on Page 17. The RF signal, at a frequency between 26.965 and 27.405 MHz, feeds from the antenna by way of C801 to the 27 MHz neutralized RF amplifier TR801. Then the ampli-

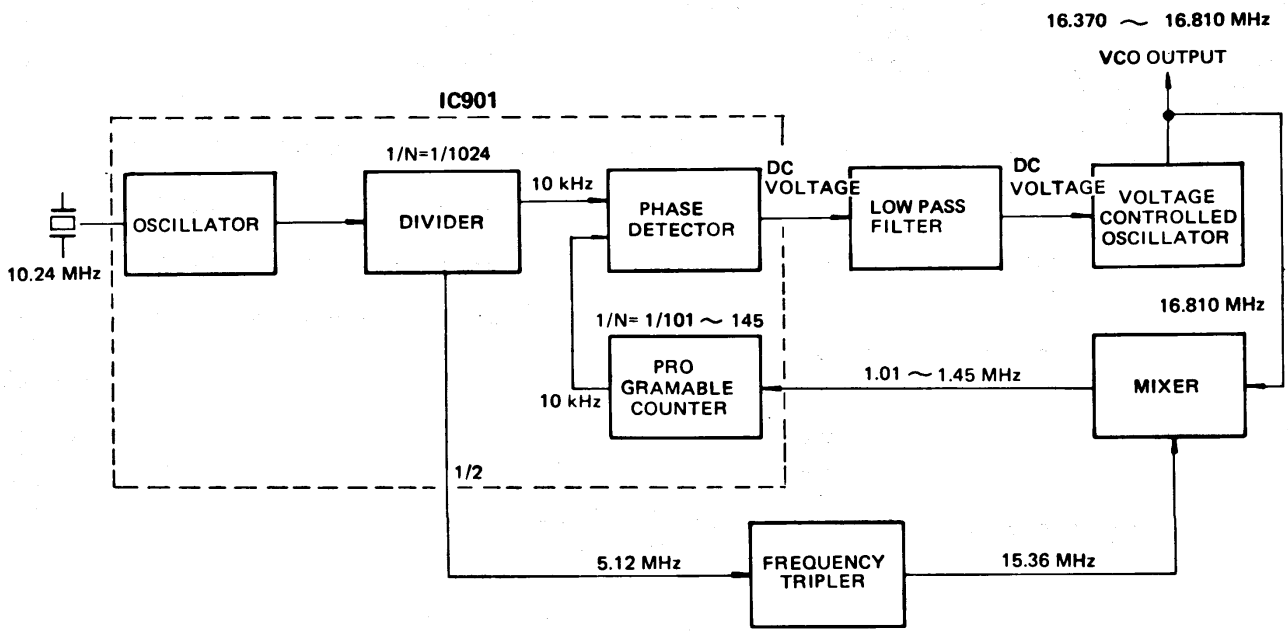


Figure 1. PLL Synthesizer Block Diagram

fied output of TR801 is coupled through T802 to Mixer TR802, where it is beat with an injection signal from the VCO output TR916.

The frequency of the injection signal from the VCO depends on the channel being received, as a signal in the 16 MHz range is programmed by the channel selector in the IC901 PLL synthesizer. The output of mixer TR802 is therefore 10.595 MHz, the first IF frequency, and is the result of the beating of the RF input signal and the VCO signal (see Frequency Chart on Page 17).

This 10.595 MHz 1st IF signal is then fed to TR803 the second mixer. Also fed to the second mixer is a second signal from TR810 the receiver oscillator, at a frequency of 11.050 MHz. Mixing of the two signals in the second mixer results in an output from IFT803 of 455 kHz, the second IF frequency.

The 455 kHz second IF signal passes through ceramic bandpass filter CF81, and feeds the 455 kHz signal to IF amplifiers TR804 and TR805 which incorporate transformer IFT804. The output of TR805 is applied to diode detector D803.

The rectified audio signal from the detector is passed through AF Amplifier TR812 to the AF Power Amplifier circuit in IC201. From IC201 it is coupled to the speaker(s).

TR811 is the squelch control transistor. At low or no signal levels TR811 conducts heavily and its output, connected to TR812 results in no signal output from the audio section. As the incoming RF signal increases it results in a decreasing output from TR811. This results in opening up the AF amplifier and output is achieved. The point at which TR811 cuts off the audio is determined by the setting of squelch control VR801.

Delta Tune

Delta tune circuitry is employed in the CB receiver oscillator TR810 crystal circuit. The "Delta Tune" switch on the front panel acts to connect one of three different capacitors in the oscillator circuit. Depending upon the position of the switch, the crystal frequency is shifted slightly above or below its normal operating frequency.

AM/FM/FM-Stereo Receiver

The radio portion of the 14T405 and 14T410 receivers are shown in block diagram Figure 12. The AM/FM selector switch SW52 or SW702 controls which function is in operation. A stereo indicator on the front panel of Model 14T405 indicates when the unit is in the stereo mode. Front panel balance and fader controls balance the speaker levels. Model 14T405 also provides for pushbutton channel selection on both AM and FM functions.

Test Equipment

The following test equipment is required and recommended for servicing the 14T405 and 14T410 Transceivers with AM/AM/FM-Stereo radios.

1. A 50-ohm resistive antenna load with a power capability of 5 watts or more, such as Bird Model 43 "Thru Line" wattmeter with a 5A Element and a Model 8053 RF Coaxial Load Resistor, or equivalent.
2. A frequency counter operable in the required CB range, such as Hewlett-Packard Model HP 5283A or suitable equivalent.
3. A Signal Generator which operates in the 50 kHz to 65 MHz frequency range with ±1% accuracy, such as Hewlett-Packard HP-606B, Wavetek Model 3000 or equivalent.
4. An oscilloscope capable of accurate monitoring of 27 MHz range AM signals.
5. High Input impedance Electronic Voltmeter such as a WV-500B or equivalent.
6. A 4-ohm, 5-watt resistive speaker dummy load.
7. An Audio Signal Generator.
8. An RF Voltmeter (WV-500B with WG-301A Probe).
9. A bench DC power supply capable of supplying a regulated 13.8 V DC @ at least 2 amperes.
10. A VHF radio receiver capable of tuning in the 54.3 MHz range, or a TV set (for adjustment of the TV interference trap L465).
11. An FM signal generator operating at 10.7 MHz and between 86 and 110 MHz, capable of being modulated 30% (±22.5 kHz).
12. A stereo signal generator.
13. A sweep generator operating at frequencies of 450 kHz and 10.7 MHz.

Servicing

General

Performance of the RCA 14T405 and 14T410 Co-Pilot Citizen's Band Transceivers with AM/FM/FM-Stereo Radio depends upon the high quality of components employed and proper servicing techniques performed by licensed and fully qualified technical personnel. Use only replacement parts as listed in the parts list at the end of this service manual.

Illustrations to aid in servicing and adjustment, including exploded views, are provided to assist in locating and identifying components, test points and adjustment points. Wiring diagrams are shown in Figures 13 through 19 and schematic diagrams are shown in Figures 14 through 20. Major mechanical components are illustrated in the exploded views, Figures 21 and 22.

When servicing the transmitter section of the unit, always have a five watt dummy load connected to the antenna terminal to avoid damage to transistors. When servicing the receiver, remove the microphone to avoid possible damage to test equipment that may be attached to the antenna terminal.

ALIGNMENT INSTRUCTIONS

AM/FM/FM-Stereo Receiver - Model 14T405

Figure 2 shows the connections required for performing the 14T405 alignment procedures that follow. Figure 3 shows the location of all test points and adjustments.

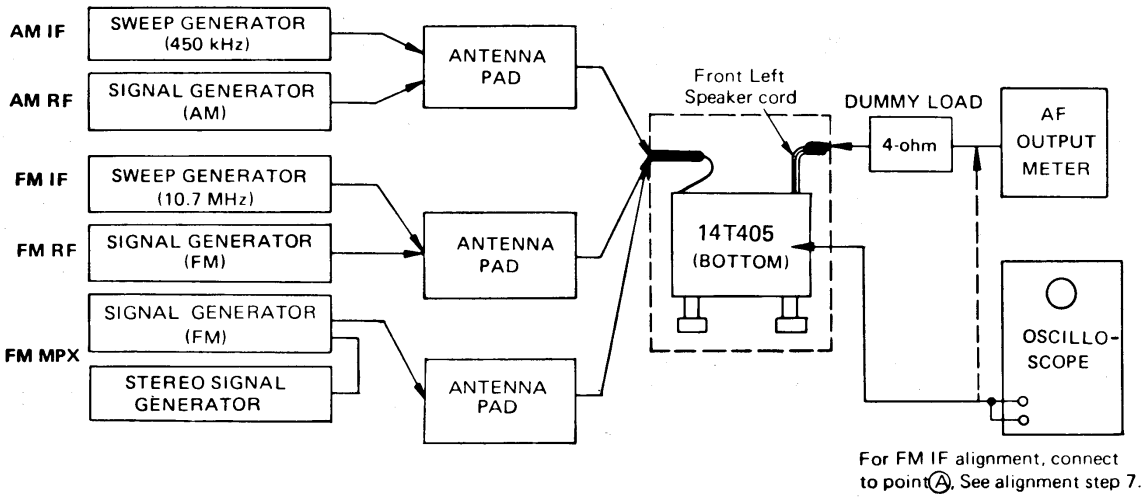


Figure 2. Test Equipment Connections for 14T405 AM/FM/FM-Stereo Radio Alignment

AM (I-F & RF) ALIGNMENT

- Set Volume Control at maximum, and Tone Control in the treble position.
- Set Band Selector Switch in AM.
- Set Balance Control in center.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 1)
- Keep the signal generator output low enough to prevent overloading the circuit.

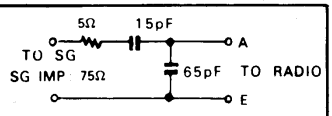


Fig. 1 Antenna Pad

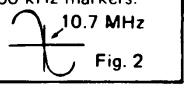
		STEP	GENERATOR FREQUENCY	BAND SELECTOR SETTING	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
AM	IF	❶~❷	450 kHz [Unmodulated or 400 Hz Mod.]	AM	Point of noninterference (on/about 600 kHz)	Through pad (Fig. 1) to Antenna receptacle	Between Point Ⓐ and ground or speaker terminals	IFT102 IFT101	Adjust for maximum
	RF	❸	505 kHz [400 Hz Mod.]	"	Low freq. end stop.	"	Output meter across speaker terminals	L104 (OSC)	"
		❹	1650 kHz [400 Hz Mod.]	"	High freq. end stop.	"	"	C114 (OSC)	"
		❺~❻	1400 kHz [400 Hz Mod.]	"	Tune to signal	"	"	C108 (RF) C102 (ANT)	"

- When radio is installed in car, antenna fully extended, tune in a weak station near 1400 kHz and adjust C102 for maximum output.
- Refer to ANTENNA TRIMMER ALIGNMENT, page 1.
- Repeat steps, two or three times.

FM (I-F & RF) ALIGNMENT

• FM I-F ALIGNMENT USING FM SIGNAL GENERATOR AND SWEEP GENERATOR

- Volume, Tone and Balance Control may be left in any position.
- Set Band Selector Switch in FM.
- Keep the signal generator output low enough to prevent overloading the circuit.

	STEP	GENERATOR FREQUENCY	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
FM IF	❼	10.7 Mhz	Point of noninterence	Through pad (Fig. 3) to Antenna receptacle	Vert, amp. of scope to point Ⓐ, low side to ground	IFT51	Adjust for maximum amplitude and proper linearity between 100 kHz markers.  Fig. 2
	❽ ~ ❾	"	"	"	"	IFT151 IFT152	

★ Repeat steps ❼, ❽ & ❾ two or three times.

• FM RF ALIGNMENT

- Set Volume Control at maximum and Tone Control in the treble position.
- Set Band Selector Switch in FM.
- Set Balance Control in center.
- Keep the signal generator output low enough to prevent overloading the circuits.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig.3)

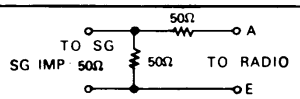


Fig. 3 Antenna Pad

	STEP	GENERATOR FREQUENCY	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST (FM Tuner Ass'y)	REMARKS
FM RF	●	86.0 MHz [400 Hz Mod.]	Low freq. end stop.	Through pad (Fig. 3) to Antenna receptacle.	Output meter across speaker terminals.	C73 (OSC)	★ Adjust for maximum ★ Repeat steps two or three times.
	● ~ ●	98.0 MHz [400 Hz Mod.]	Tune to signal	"	"	C63 (RF) C55 (ANT)	

★ In step ●, adjust lower frequency at 86.0 MHz. The upper frequency will be within 108 ~ 110 MHz, because of design characteristics. It is nonadjustable.

NOTE: TEST POINT Ⓐ is the AM/FM Selector Switch in the base circuit of transistor TR152.

Numbers in ● are indicated ALIGNMENT STEPS.

MULTIPLEX ALIGNMENT USING FM SIGNAL GENERATOR AND STEREO SIGNAL GENERATOR

- Set Volume Control at maximum and Tone Control in the treble position.
- Set Band Selector Switch in FM.
- Set Balance Control in center.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 3)
- Keep the signal generator output low enough to prevent overloading the circuits.
- FM Signal Generator should be modulated by Stereo Signal Generator.

Modulation level: 19 kHz 10%
400 Hz 30%
FM Signal Generator output level: 1 mV
FM Signal Generator frequency: 98 MHz

	STEP	MODULATION FREQUENCY	INDICATOR	ADJUST	REMARKS
FM	⓫	19 kHz	Vert. Amp. of scope to Test Point Ⓑ, Low side to ground	T151	Adjust for maximum Set semi-fixed resistor (VR152) to middle position.
MPX	⓬ ●	19 kHz 400 Hz (Right channel)	VTVM to Left speaker terminals	T152 VR152	Adjust for minimum.
	●, ⓭	19 kHz 400 Hz (Left channel)	VTVM to Right speaker terminals	T152 VR152	Adjust for minimum

Repeat steps ⓬ ~ ⓭ two or three times.

NOTE: 1) In step ⓭, input impedance of oscilloscope should be more than 1 MΩ and less than 40 pF, including the scope probe's resistance and capacitance.
2) Test Point Ⓑ is shown in the Schematic and Wiring Diagrams. It is terminal No. 1 on IC152.

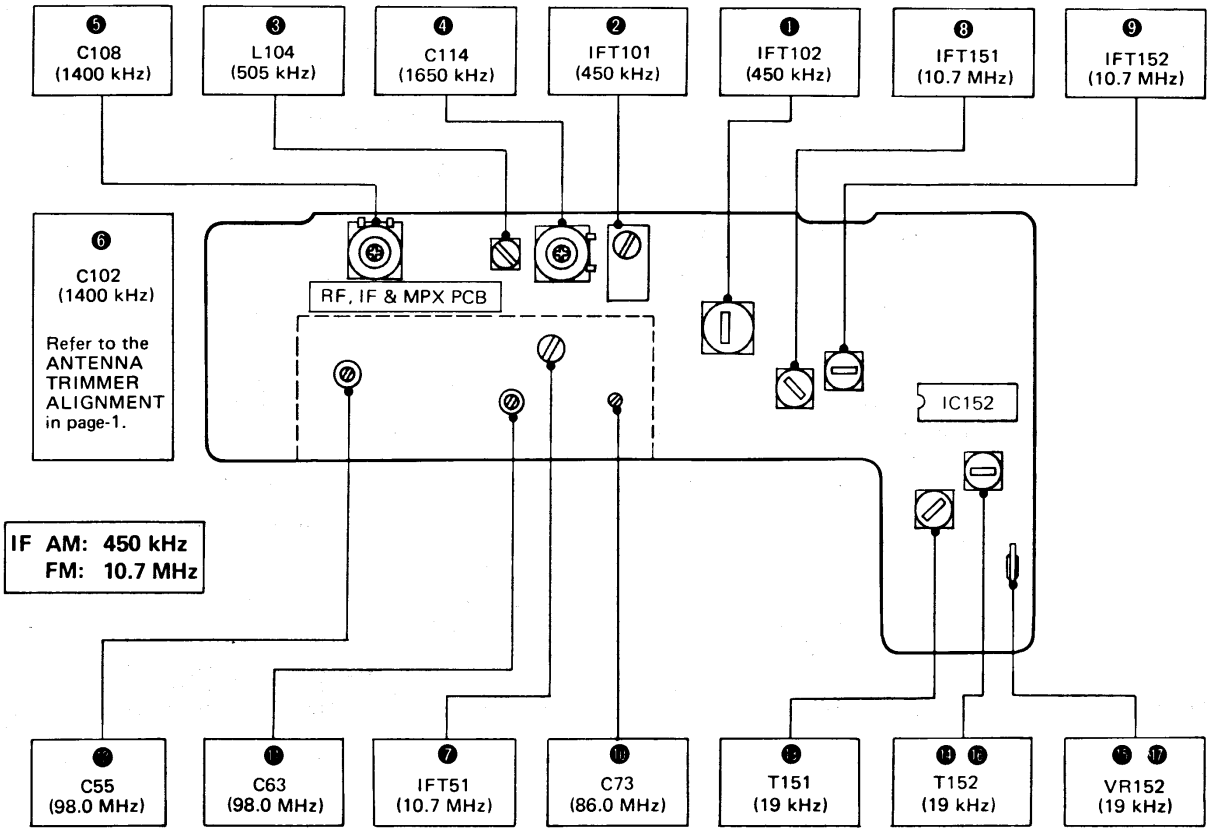


Figure 3. Radio Alignment Adjustments – 14T405

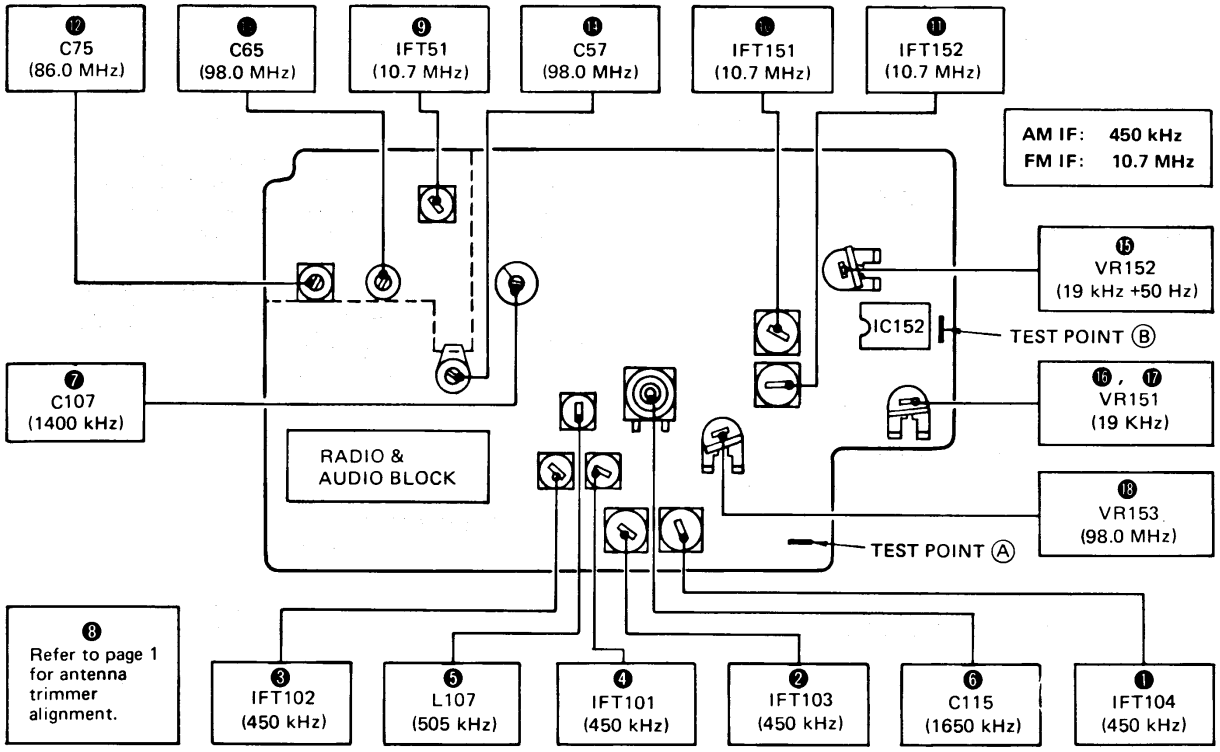


Figure 4. Radio Alignment Adjustments – 14T410

ALIGNMENT INSTRUCTIONS

AM/FM/FM Stereo Receiver - Model 14T410

Figure 5 shows the connections required for performing the 14T410 alignment procedures that follow. Figure 4 shows the location of all test points and adjustments.

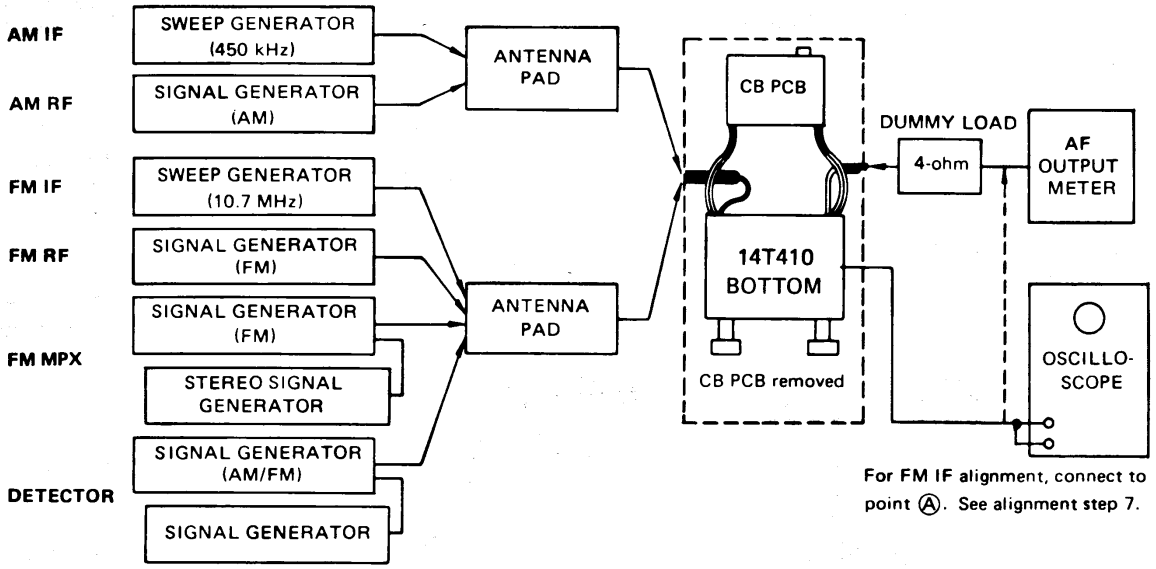


Figure 5. Test Equipment Connections for 14T410 AM/FM/FM-Stereo Radio Alignment

AM (I-F & RF) ALIGNMENT

- Set Volume Control at maximum, and Tone Control in the treble position.
- Set Band Selector Switch in AM.
- Set Balance Control in center.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 1)
- Keep the signal generator output low enough to prevent overloading the circuit.

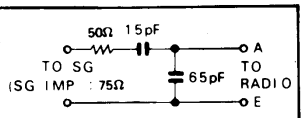


Fig. 1 Antenna Pad

		STEP	GENERATOR FREQUENCY	RADIO SELECTOR SETTING	RADIO DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
AM	IF	❶ - ❹	450 kHz [Unmodulated or 400 Hz Mod.]	AM	Point of non interference (on/about 600 kHz)	Through pad (Fig. 1) to antenna receptacle	Between test point Ⓐ and ground or speaker terminals	IFT104 IFT101	Adjust for maximum
	RF	❺	505 kHz [400 Hz Mod.]	"	Low freq. end stop	"	Output meter across speaker terminals	L107 (OSC)	"
		❻	1650 kHz [400 Hz Mod.]	"	High freq. end stop	"	"	C115 (OSC)	"
		❼ - ❽	1400 kHz [400 Hz Mod.]	"	Tune to signal	"	"	C107 (RF) C102 (ANT)	"

- When radio is installed in car, antenna fully extended, tune in a weak station near 1400 kHz and adjust C102 for maximum output.
- Refer to ANTENNA TRIMMER ALIGNMENT, page 1.
- Repeat steps, two or three times.

FM (I-F & RF) ALIGNMENT

• FM I-F ALIGNMENT USING FM SIGNAL GENERATOR AND SWEEP GENERATOR

- Volume, Tone and Balance Control may be left in any position.
- Set Band Selector Switch in FM.
- Keep the signal generator output low enough to prevent overloading the circuit.

	STEP	GENERATOR FREQUENCY	RADIO DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
FM IF	⑨	10.7 MHz	Point of non interference	Through pad (Fig. 3) to antenna receptacle	Vert. amp of scope to test point Ⓐ, low side to ground	IFT51	Adjust for maximum amplitude and proper linearity between 100 kHz markers.
	⑩ ~ ⑪	"	"	"	"	IFT151 IFT152	

- Repeat steps ⑨, ⑩ & ⑪ two or three times.

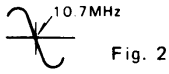


Fig. 2

• FM RF ALIGNMENT

- Set Volume Control at maximum and Tone Control in the treble position.
- Set Band Selector Switch in FM.
- Set Balance Control in center.
- Keep the signal generator output low enough to prevent overloading the circuit.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 3)

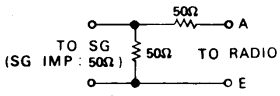


Fig. 3 Antenna Pad

	STEP	GENERATOR FREQUENCY	RADIO DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST (FM Tuner Ass'y)	REMARKS
FM RM	⑫	86.0 MHz [400 Hz Mod.]	Low freq. end stop	Through pad (Fig. 3) to antenna receptacle	Output meter across speaker terminals	C75 (OSC)	* Adjust for maximum * Repeat steps two or three times.
	⑬ ~ ⑭	98.0 MHz [400 Hz Mod.]	Tune to signal	"	"	C65 (RF) C57 (ANT)	

- In step ⑫, adjust lower frequency at 86.0 MHz. The upper frequency will be within 108 ~ 110 MHz, because of design characteristics. It is nonadjustable.

NOTE: Test Point Ⓐ is the AM/FM Selector Switch in the R167 line.

MULTIPLEX ALIGNMENT USING FM SIGNAL GENERATOR AND STEREO SIGNAL GENERATOR

- Volume and Tone Controls at maximum.
- Set Balance Control in center.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 3)
- Keep the signal generator output low enough to prevent overloading the circuit.
- FM Signal Generator should be modulated by Stereo Signal Generator.
  Modulation level: 19 kHz, 10% 400 Hz, 30%
  FM Signal Generator output level: 1mV
  FM Signal Generator frequency: 98 MHz

	STEP	MODULATION FREQUENCY	INDICATOR	ADJUST	REMARKS
FM MPX	⑮	No signal input	Frequency counter to test point Ⓑ, low side to ground	VR152	Adjust to 19 kHz ± 50 Hz
	⑯	19 kHz, 400 Hz (Right Ch)	VTVM to left speaker terminals	VR151	Adjust for minimum
	⑰	19 kHz, 400 Hz (left Ch)	VTVM to right speaker terminals	VR151	Adjust for minimum

- Repeat ⑮ ~ ⑰ two or three times.
- In step ⑮, short the ⊕ side of C173 to the earth line for easy alignment.

NOTE: Test Point Ⓑ is shown in the Schematic and Wiring Diagrams. It is terminal No. 12 on IC152.

DETECTOR ALIGNMENT USING SIGNAL GENERATOR

- Set Band Selector Switch in FM.
- Connect the signal generator to the antenna receptacle through the antenna pad. (Fig. 3)

AM/FM Signal Generator:	Modulation level	FM 400 Hz, 30% @22.5 kHz
	Signal Generator output level	20 dB/μV
	Signal Generator frequency	98 MHz

- Firstly apply FM Modulation Signal and set Radio-Dial to the signal and Volume Control to 0.5 W output position.

STEP	GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
⑱	98 MHz [AM Mod.]	VTVM to left or right speaker terminals	VR153	Change the modulation of signal generator to AM. 1000 Hz, 30%. Adjust VR151 for minimum amplitude.

ALIGNMENT INSTRUCTIONS

CB Section - Model 14T405 & 14T410

CB Transmitter Alignment

Figure 6 shows the connections required for performing the 14T405 and 14T410 CB alignment procedures that follow. Figure 7 shows the location of all test points and adjustments.

★ Output alignment can be made with an RF OUTPUT METER instead of an RF WATTMETER.

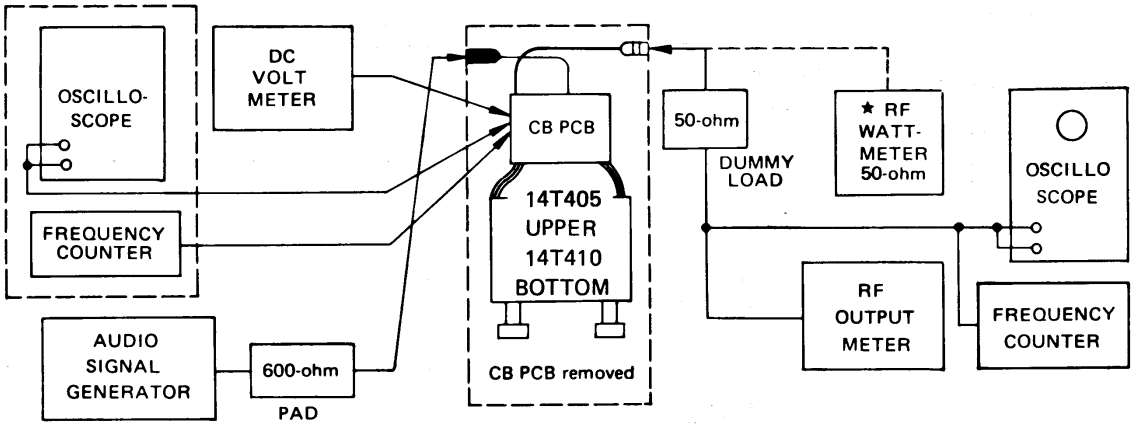


Figure 6. Test Equipment Connections for 14T405 and 14T410 CB Transmitter Alignment

• SYNTHESIZER ALIGNMENT

- Set CB Channel Selector Switch to Channel 18. (Step ❶ ~ ❸)
- Connect the dummy load to the CB antenna connector. (Fig. 5)
- Insert the shorting wire into the DIN connector terminals No. 2 & 5. (Fig. 4)

STEP	ADJUST	INDICATOR CONNECTION	REMARKS
❶	T906	DC voltmeter between Test Point ① and ground.	Adjust to 3.2 V.
❷	T907	Oscilloscope between Test Point ② and ground.	Adjust for maximum. (2.5~3.5 Vp-p)
❸	T908		
❹	C974	Frequency counter between Test Point ② and ground.	Set the channel selector switch to Channel 19. Adjust to 16.590 MHz ±100 Hz

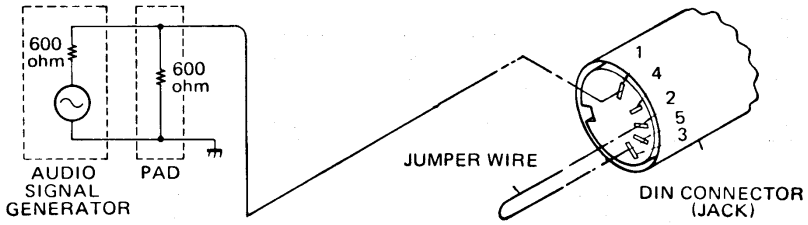


Fig. 4

• OUTPUT ALIGNMENT

- Set CB Channel Selector Switch to Channel 18.
- Connect the dummy load to the CB antenna connector. (Fig. 5)
- Insert the shorting wire into the DIN connector terminals No. 2 & 5. (Fig. 4)

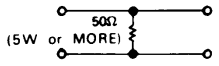


Fig. 5 Dummy Load for RF Output

STEP	ADJUST	INDICATOR CONNECTION	REMARKS
❺	T904	RF output meter across dummy load (Fig. 5) or wattmeter to CB antenna connector directly.	Adjust for maximum.
❻	T903		
❼	T902		
❽	VR901		
❾	L903		
❿	L905		Adjust to 3.2 W RF output.

- Repeat steps 9 & 10

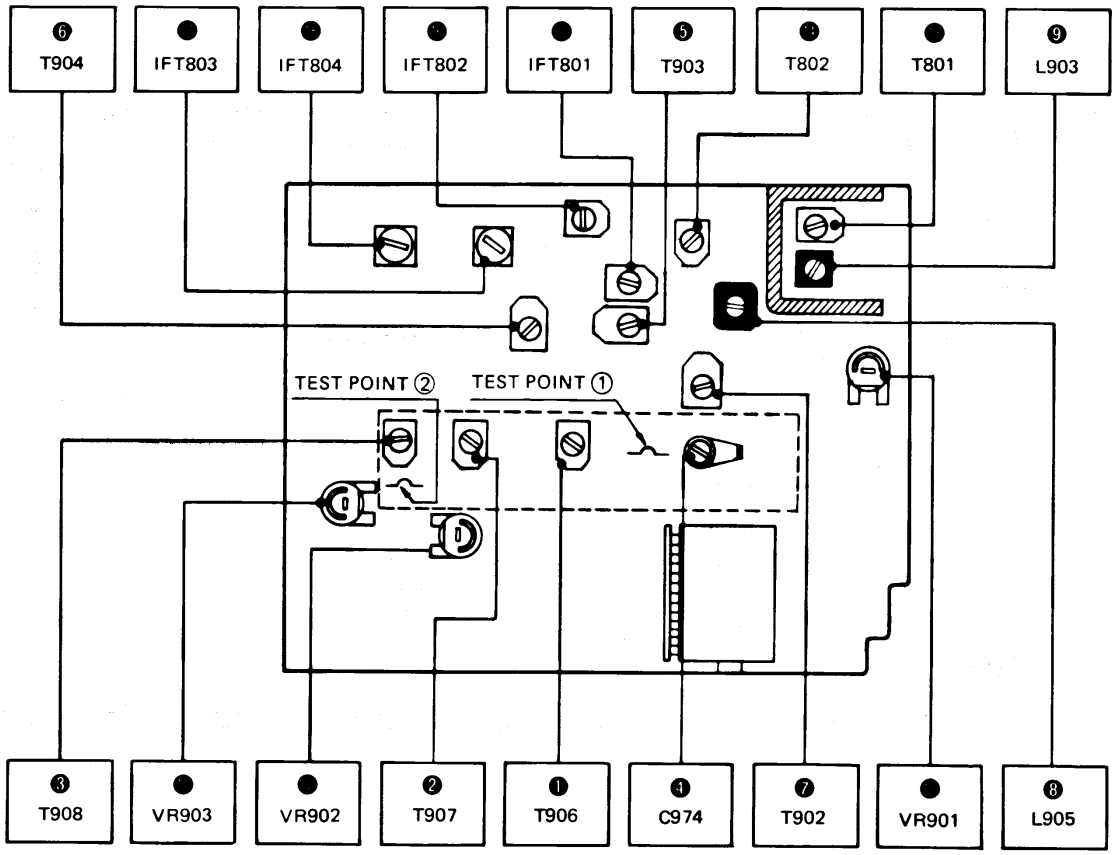


Figure 7. CB Alignment Adjustments – 14T405 and 14T410

• MODULATION ALIGNMENT

- Set CB Channel Selector Switch to Channel 18.
- Connect the audio signal generator to the DIN connector terminal No. 1 (Fig. 4) through the 600-ohm pad (Fig. 6).
- Insert the jumper wire into the DIN connector terminals No. 2 & 5. (Fig. 4)

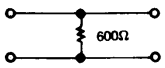


Fig. 6 Pad for Mod.

STEP	GENERATOR FREQUENCY	ADJUST	INDICATOR CONNECTION	REMARKS	MOD (%) = $\frac{A-B}{A+B} \times 100$
●	1 kHz, −35 dBm (13.8 mV)	VR902	Oscilloscope across CB antenna connector through dummy load (Fig. 5).	Adjust for 95% modulation as follows.  50% Mod. 90% Mod. Over-Mod.	
●		VR903			

CB Receiver Alignment

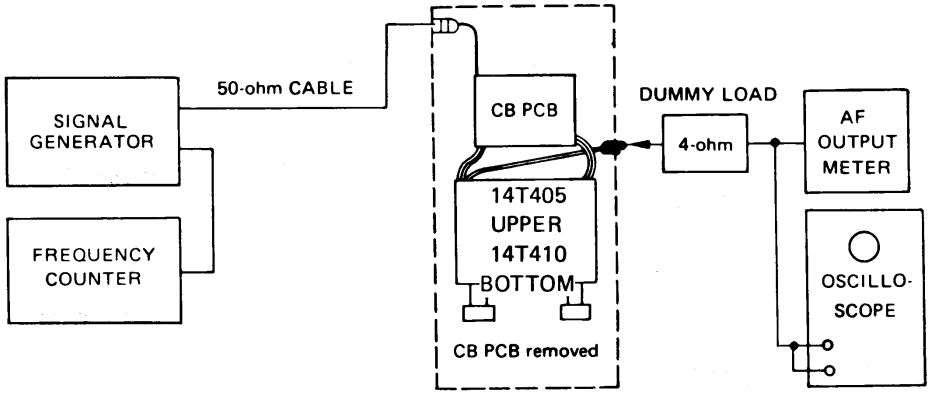


Figure 8. Test Equipment Connections for 14T405 and 14T410 CB Receiver Alignment

CB RECEIVER ALIGNMENT

- Set the CB Channel Selector Switch to Channel 18.
- Set the Delta Tune Control in its center position.
- Set the Squelch Control in the full-counterclockwise position.
- Set the Tone Control in the treble position (clockwise).
- Set the Balance Control in its center position.
- Set the Volume Control for 0.5 W output.
- Signal Generator should be modulated as follows:
  Modulation level: 1 kHz, 30%
  Signal Generator output level: 5 mV (74 dB/μV)

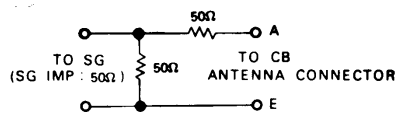


Fig. 7 Antenna Pad

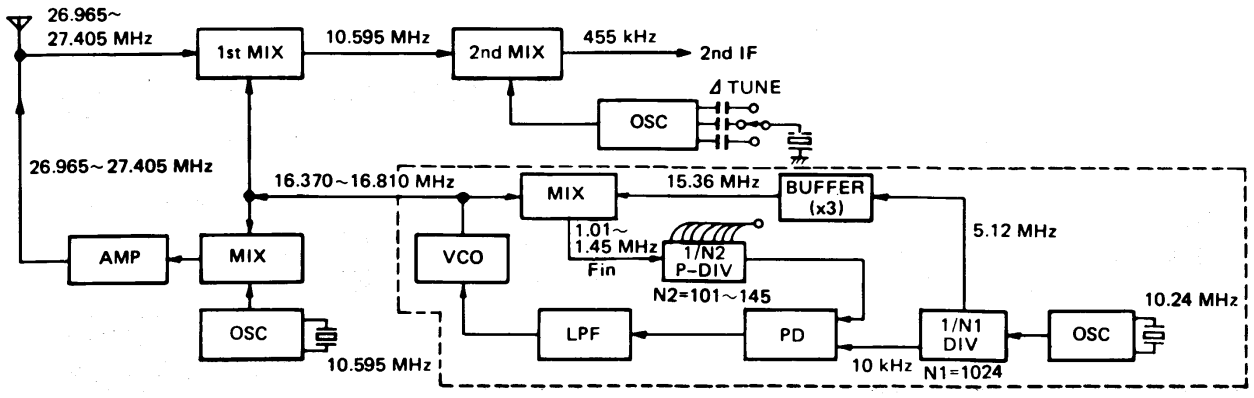
STEP	GENERATOR FREQUENCY	SIGNAL FEED POINT	ADJUST	INDICATOR CONNECTION	REMARKS
⓭	Ch 18 (27.175 MHz)	CB antenna connector through 50-ohm cable.	T801	Output meter across speaker terminals.	Adjust for maximum
⓮			T802		
⓯			IFT801		
⓰			IFT802		
⓱			IFT803		
⓲			IFT804		

- Repeat steps two or three times.

NOTES:
1) A dummy antenna, or RF wattemeter with a dummy load, should be connected to the CB's antenna connector when aligning the transmitter section.
2) Use an insulated screwdriver to align VR902 (Step ●).
3) Use a nonmetalic screwdriver to align L903 and L905
4) Plug CN801 and CN802 must be connected to the set to align the CB transceiver section.

CB CHANNELS AND FREQUENCIES

CB Channel No.	RCVR/XMTR Frequency	VCO Frequency	Program Counter Frequency	RCVR 2nd OSC Frequency	XMTR OSC Frequency
1	26.965 MHz	16.370 MHz	1.01 MHz	11.050 MHz	10.595 MHz
2	26.975 MHz	16.380 MHz	1.02 MHz	"	"
3	26.985 MHz	16.390 MHz	1.03 MHz	"	"
4	27.005 MHz	16.410 MHz	1.05 MHz	"	"
5	27.015 MHz	16.420 MHz	1.06 MHz	"	"
6	27.025 MHz	16.430 MHz	1.07 MHz	"	"
7	27.035 MHz	16.440 MHz	1.08 MHz	"	"
8	27.055 MHz	16.460 MHz	1.10 MHz	"	"
9	27.065 MHz	16.470 MHz	1.11 MHz	"	"
10	27.075 MHz	16.480 MHz	1.12 MHz	"	"
11	27.085 MHz	16.490 MHz	1.13 MHz	"	"
12	27.105 MHz	16.510 MHz	1.15 MHz	"	"
13	27.115 MHz	16.520 MHz	1.16 MHz	"	"
14	27.125 MHz	16.530 MHz	1.17 MHz	"	"
15	27.135 MHz	16.540 MHz	1.18 MHz	"	"
16	27.155 MHz	16.560 MHz	1.20 MHz	"	"
17	27.165 MHz	16.570 MHz	1.21 MHz	"	"
18	27.175 MHz	16.580 MHz	1.22 MHz	"	"
19	27.185 MHz	16.590 MHz	1.23 MHz	"	"
20	27.205 MHz	16.610 MHz	1.25 MHz	"	"
21	27.215 MHz	16.620 MHz	1.26 MHz	"	"
22	27.225 MHz	16.630 MHz	1.27 MHz	"	"
23	27.255 MHz	16.660 MHz	1.30 MHz	"	"
24	27.235 MHz	16.640 MHz	1.28 MHz	"	"
25	27.245 MHz	16.650 MHz	1.29 MHz	"	"
26	27.265 MHz	16.670 MHz	1.31 MHz	"	"
27	27.275 MHz	16.680 MHz	1.32 MHz	"	
28	27.285 MHz	16.690 MHz	1.33 MHz	"	"
29	27.295 MHz	16.700 MHz	1.34 MHz	"	"
30	27.305 MHz	16.710 MHz	1.35 MHz	"	"
31	27.315 MHz	16.720 MHz	1.36 MHz	"	"
32	27.325 MHz	16.730 MHz	1.37 MHz	"	"
33	27.335 MHz	16.740 MHz	1.38 MHz	"	"
34	27.345 MHz	16.750 MHz	1.39 MHz	"	"
35	27.355 MHz	16.760 MHz	1.40 MHz	"	"
36	27.365 MHz	16.770 MHz	1.41 MHz	"	"
37	27.375 MHz	16.780 MHz	1.42 MHz	"	"
38	27.385 MHz	16.790 MHz	1.43 MHz	"	"
39	27.395 MHz	16.800 MHz	1.44 MHz	"	"
40	27.405 MHz	16.810 MHz	1.45 MHz	"	"



DIAL CORD STRINGING GUIDE

1) To install a new dial cord, remove the escutcheon ass'y, bottom cover and CB block. See page 4.
2) Gently remove the dial pointer and the old dial cord.
3) Turn the tuning knob fully in the counterclockwise direction. In this position the tuner cores are as for in as they will go.
4) Remove screw Ⓐ to remove the cord guide ass'y. Be careful not to distort the universal joint at the end of the tuning drive shaft.
5) Starting with the center of 24-inch (70 cm) length of dial cord, hooked into the slotted divider on the rope guide shaft, wind 9 turns towards the gear end and turn towards the other end, as shown in Insert Ⓐ .
6) Reinstall the rope guide ass'y. Check to see that the cord turns do not overlap each other, and while holding the turns in place, run the remaining cord around pulley ① , ② and ③ . Tie the two ends together, at a point about 3/4-inch to the left of pulley ③ . Be sure that the dial cord is reasonable tight with a minimum amount of slack in it.
7) Mount the dial pointer, and position it as shown in Insert Ⓑ .
8) Rotate the tuning knob from one end of its travel to the other, several times, to be sure that the cord and cord guide ass'y are working smoothly.
9) Check the position of the dial pointer and correct if necessary by sliding it to the right or left.
10) Reinstall the CB block, cover and escutcheon ass'y.

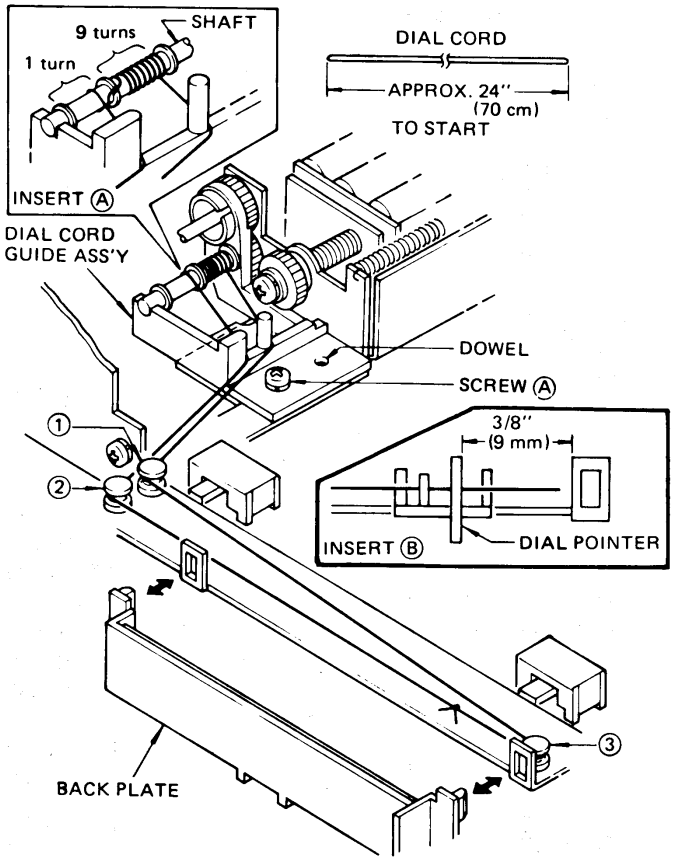


Figure 9. Dial Cord Stringing

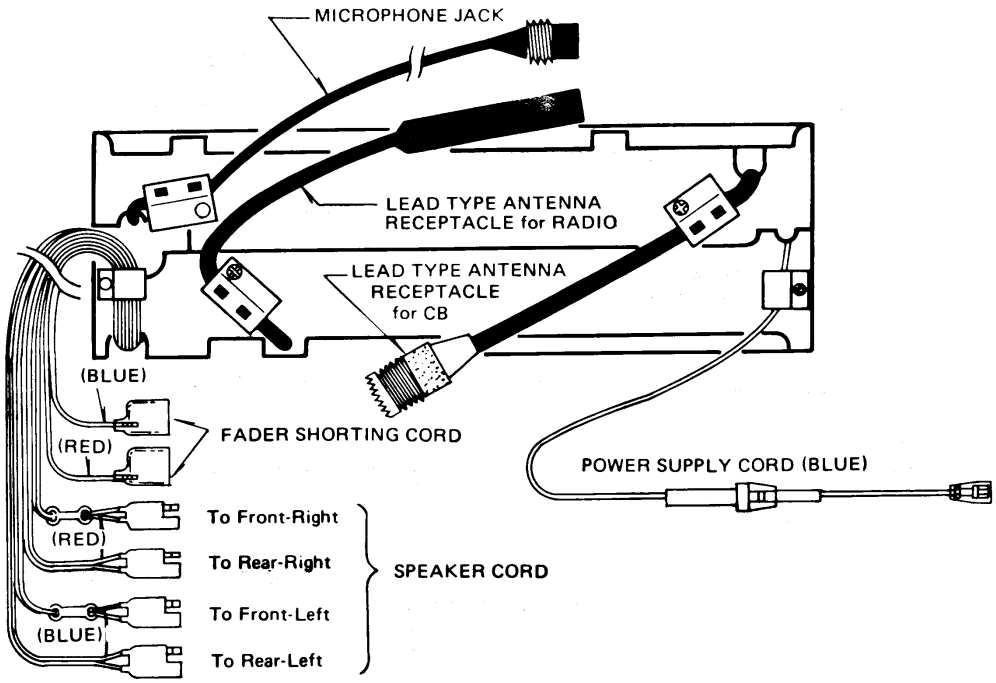
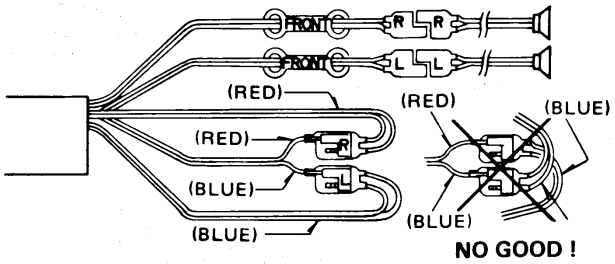


Figure 10. Equipment Connection Diagram

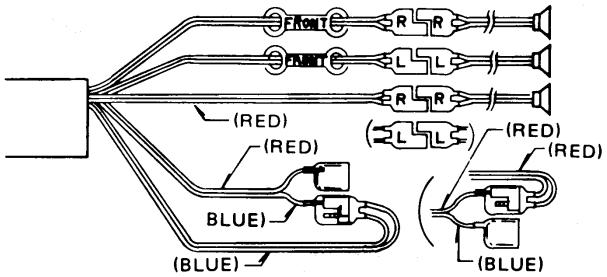
(A) When using 2 speakers (4 ~ 8 Ω each)

Connect the speaker cords (FR) and (FL) to their respective speaker cords. The Red fader shorting cord should be connected to the speaker cord (RR) (Red) and the Blue shorting cord to the speaker cord (RL) (Blue), respectively.



(B) 3 speakers (8 Ω each)

Connect 2 speakers as described in step (A) above. Connect another speaker to either rear speaker cord, (RR) or (RL). Connect the appropriate fader shorting cord to the rear speaker cord not being used (i. e. Red to Red, or Blue to Blue speaker cord)



(C) 4 speakers (8 Ω each)

Connect all the speaker cord to the appropriate four speaker cords. Do not connect the fader shorting cords.

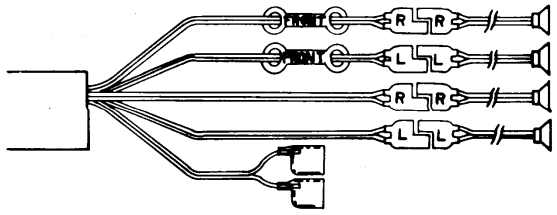


Figure 11. Speaker Connections – 14T405

Replacement Parts

SYMB. NO.	STOCK NO.	DESCRIPTION
		CAPACITORS
C51	741991	8 pf +/-0.5 pf, 50 v, Ceramic
C52	742059	18 pf, 10%, 50 v, CER
C53	437395	10 pf, 5%, 50 v, Ceramic
C54	741875	8 pf +/-.5 pf, 50 v, Ceramic
C55	741889	6 pf, Trimmer
C56	742043	2 pf +/-.25 pf, 50 v, CER
C57	742039	33 pf, 10%, 50 v, CER
C58	742054	470 pf, 10%, 50 v, CER, H1-K
C59	742054	470 pf, 10%, 50 v, CER, H1-K
C60	741991	8 pf +/-0.5 pf, 50 v, Ceramic
C61	742043	2 pf +/-.25 pf, 50 v, CER
C62	742060	12 pf, 5%, 50 v, CER
C63	741889	6 pf, Trimmer
C64	742043	2 pf, +/-.25 pf, 50 v, CER
C65	742058	27 pf, 10%, 50 v, CER
C66	742044	1 pf +/-.25 pf, 50 v, CER
C67	742055	270 pf, 5%, 50 v, CER
C68	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C69	423553	3 pf, 50 v, CER
C70	742057	39 pf, 10%, 50 v, CER
C71	742054	470 pf, 10%, 50 v, CER, H1-K
C72	742062	4 pf +/-.5 pf, 50 v, CER
C73	741890	5 pf, Trimmer
C74	742030	.0047 uF, 10%, 50 v, Film Polester
C75	742062	4 pf +/-.5 pf, 50 v, CER
C76	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C101	742041	15 pf, 10%, 50 v, CER
C102	742743	50 pf, Trimmer
C103	742041	15 pf, 10%, 50 v, CER
C104	742027	.01 uF, 20%, 50 v, Film Polyester
C105	437375	.0022 uF, 10%, 50 v, Film Polyester
C106	742050	.047 uF, 10%, 50 v, Film Polyester
C107	742051	.033 uF, 20%, 50 v, Film Polyester
C108	741887	70 pf, Trimmer
C109	742035	100 pf, 10%, 50 v, CER
C110	437375	.0022 uF, 10%, 50 v, Film Polyester
C111	437362	.0056 uF, 10%, 50 v, Film Polyester
C112	742056	180 pf, 5%, 50 v, CER
C113	742057	39 pf, 10%, 50 v, CER
C114	741887	70 pf, Trimmer
C115	742027	.01 uF, 20%, 50 v, Film Polyester
C116	742050	.047 uF, 20%, 50 v, Film Polyester
C117	742032	330 pf, 10%, 50 v, CER
C118	742050	.047 uF, 20%, 50 v, Film Polyester
C119	742027	.01 uF, 20%, 50 v, Film Polyester
C120	742027	.01 uF, 20%, 50 v, Film Polyester
C121	742048	33 uF, 6 v, Elyt
C151	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C152	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C153	742026	.022 uF, 20%, 50 v, Film Polyester
C154	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C155	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C156	742051	.033 uF, 20%, 50 v, Film Polyester
C157	742032	330 pf, 10%, 50 v, CER
C158	742032	330 pf, 10%, 50 v, CER
C159	742032	330 pf, 10%, 50 v, CER
C160	742049	4.7 uF, 25 v, Elyt
C161	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C162	742045	100 uF, 10 v, Elyt
C163	742021	100 uF, 16 v, Elyt
C164	742024	1 uF, 50 v, Elyt
C171	742023	10 uF, 16 v, Elyt
C172	742023	10 uF, 16 v, Elyt
C173	742023	10 uF, 16 v, Elyt
C174	741874	470 pf, 5%, 50 v, Film Plystyrene
C175	741873	4700 pf, 5%, 125 v, Film Polystyrene
C176	741873	4700 pf, 5%, 125 v, Film Polystyrene
C177	742051	.033 uF, 20%, 50 v, Film Polyester
C178	742051	.033 uF, 20%, 50 v, Film Polyester
C179	742047	33 uF, 10 v, Elyt
C180	742048	33 uF, 6 v, Elyt
C181	742023	10 uF, 16 v, Elyt
C182	742023	10 uF, 16 v, Elyt
C183	742046	100 uF, 6 v, Elyt
C184	742048	33 uF, 6 v, Elyt
C185	742021	100 uF, 16 v, Elyt
C186	742024	1 uF, 50 v, Elyt
C187	742024	1 uF, 50 v, Elyt
C202	741878	.2 uF, 20%, 12 v, CER
C203	742024	1 uF, 50 v, Elyt
C204	742021	100 uF, 16 v, Elyt
C205	742047	33 uF, 10 v, Elyt
C206	742055	270 pf, 5%, 50 v, CER
C207	742066	.0018 uF, 10%, 50 v, Film Polyester
C208	742023	10 uF, 16 v, Elyt
C209	741877	.3 uF, 20%, 12 v, Ceramic
C210	742065	.1 uF, 20%, 50 v, Film Polyester
C211	740845	470 uF, 16 v, Elect
C302	741878	.2 uF, 20%, 12 v, Ceramic
C303	742024	1 uF, 50 v, Elyt
C304	742021	100 uF, 16 v, Elyt
C305	742047	33 uF, 10 v, Elyt
C306	742055	270 pf, 5%, 50 v, CER
C307	742066	.0018 uF, 10%, 50 v, Film Polyester
C308	742023	10 uF, 16 v, Elyt
C309	741877	.3 uF, 20%, 12 v, Ceramic
C310	742065	.1 uF, 20%, 50 v, Film Polyester
C311	740845	470 uF, 16 v, Elect
C601	742836	390 pf, 10%, 50 v, CER
C602	742837	.018 uF, 20%, 50 v, Film Polyester
C603	742056	180 pf, 5%, 50 v, CER
C604	742037	68 pf, 10%, 50 v, CER
C605	742050	.047 uF, 20%, 50 v, Film Polyester
C606	437387	33 uF, 16 v, Elyt
C607	742838	10 uF, 10 v, Tantalum
C608	742838	10 uF, 10 v, Tantalum
C609	170543	.015 uF, 20%, 50 v, Film Polyester
C610	742056	180 pf, 5%, 50 v, CER
C611	742037	68 pf, 10%, 50 v, CER
C612	742027	.01 uF, 20%, 50 v, Film Polyester
C613	742031	.001 uF, 10%, 50 v, Film Polyester
C614	742839	.0027 uF, 10%, 50 v, Film Polyester
C615	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C616	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C618	742031	.001 uF, 10%, 50 v, Film Polyester
C619	742052	.01 uF, +80%, −20%, 50 v, CER, H1-K
C701	740845	470 uF, 16 v, Elyt
C702	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C703	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C704	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C705	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K

Continued on Page 21

SYMB. NO.	STOCK NO.	DESCRIPTION
C706	740845	470 uF, 16 v, Elect
C801	742042	12 pf, 10%, 50 v, CER
C802	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C803	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C804	742029	.01 uF, 10%, 50 v, CER
C805	742024	1 uF, 50 v, Elyt
C806	742029	.01 uF, 10%, 50 v, CER
C807	742037	68 pf, 10%, 50 v, CER
C808	740831	10 pf, 50 v, CER, Disc
C809	742029	.01 uF, 10%, 50 v, CER
C810	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C811	742043	2 pf +/-.25 pf, 50 v, CER
C812	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C813	423296	5 pf +/-.5 pf, 50 v, CER
C814	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C815	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C816	742039	33 pf, 10%, 50 v, CER
C817	742029	.01 uF, 10%, 50 v, CER
C818	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C821	742033	220 pf, 10%, 50 v, CER
C822	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C823	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C824	742023	10 uF, 16 v, Elyt
C825	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C826	742027	.01 uF, 20%, 50 v, Film Polyester
C827	742024	1 uF, 50 v, Elyt
C828	742030	.0047 uF, 10%, 50 v, Film Polyester
C829	742033	220 pf, 10%, 50 v, CER
C851	742021	100 uF, 16 v, Elyt
C852	742023	10 uF, 16 v, Elyt
C854	742037	68 pf, 10%, 50 v, CER
C855	742031	.001 uF, 10%, 50 v, Film Polyester
C856	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C857	742040	22 pf, 10%, 50 v, CER
C858	742058	27 pf, 10%, 50 v, CER
C859	742039	33 pf, 10%, 50 v, CER
C861	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C862	742023	10 uF, 16 v, Elyt
C863	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C871	742024	1 uF, 50 v, Elyt
C872	742023	10 uF, 16 v, Elyt
C873	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C874	742023	10 uF, 16 v, Elyt
C875	742022	47 uF, 16 v, Elyt
C876	742025	.1 uF, 20%, 12 v, CER
C877	742024	1 uF, 50 v, Elyt
C878	742024	1 uF, 50 v, Elyt
C879	742026	.022 uF, 20%, 50 v, Film Polyester
C881	742025	.1 uF, 20%, 12 v, CER
C882	742025	.1 uF, 20%, 12 v, CER
C883	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C884	437387	33 MF, 16 v, Electric (Radial)
C901	742034	120 pf, 10%, 50 v, CER
C902	742055	270 pf, 5%, 50 v, CER
C903	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C904	742033	220 pf, 10%, 50 v, CER
C905	742055	270 pf, 5%, 50 v, CER
C906	742034	120 pf, 10%, 50 v, CER
C907	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C908	742739	220 uF, 16 v, Elyt
C909	742037	68 pf, 10%, 50 v, CER
C910	742039	33 pf, 10%, 50 v, CER
C911	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C912	742033	220 pf, 10%, 50 v, CER
C913	742025	.1 uF, 20%, 12 v, CER
C914	742039	33 pf, 10%, 50 v, CER
C915	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C916	742035	100 pf, 10%, 50 v, CER
C917	126918	47 uF, 10 v, Elect
C919	425836	33 pf, 50 v, Ceramic
C920	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C921	742039	33 pf, 10%, 50 v, CER
C922	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C924	742052	.01 uF +80% - 20%, 50 v, CER, H1-K
C929	742740	33 pf, 5%, 50 v, CER
C930	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C936	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C939	741991	8 pf +/-0.5 pf, 50 v, Ceramic
C940	742038	47 pf, 10%, 50 v, CER
C941	742029	.01 uF, 10%, 50 v, CER
C942	742042	12 pf, 10%, 50 v, CER
C943	742036	82 pf, 10%, 50 v, CER
C944	742031	.001 uF, 10%, 50 v, Film Polyester
C945	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C946	742038	47 pf, 10%, 50 v, CER
C953	126918	47 uF, 10 v, Elect
C954	742025	.1 uF, 20%, 12 v, CER
C955	742037	68 pf, 10%, 50 v, CER
C956	436923	10 uF, 10 v, Tantalum
C957	742841	.1 uF, 35 v, Tantalum
C958	245245	47 pf, 5%, 75 v, CER Plate
C959	423299	10 pf, 10%, 50 v, CER Disc
C960	423299	10 pf, 10%, 50 v, CER Disc
C961	742033	220 pf, 10%, 50 v, CER
C962	427831	150 pf, 50 v, 10%, CER. Plate
C963	742025	.1 uF, 20%, 12 v, CER
C964	742039	33 pf, 10%, 50 v, CER
C965	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C966	742066	.0018 uF, 10%, Film Polyester
C967	740831	10 pf, 50 v, CER
C968	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C969	742040	22 pf, 10%, 50 v, CER
C970	742040	22 pf, 10%, 50 v, CER
C971	742039	33 pf, 10%, 50 v, CER
C972	742031	.001 uF, 10%, 50 v, Film Polyester
C973	742024	1 uF, 50 v, Elyt
C974	742743	50 pf, Trimmer
C975	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C976	126918	47 uF, 10 v, Elyt
C977	742036	82 pf, 10%, 50 v, CER
C978	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C990	742024	1 uF, 50 v, Elyt
CF151	741909	Filter-Ceramic
CF152	741909	Filter-Ceramic
CF801	741908	Filter-Ceramic
CF901	742762	Filter-Ceramic
CF902	742763	Filter-Ceramic
CS701	741879	1000 pf, Feed Through
D51	741868	Diode - Type Special
D101	168910	Diode - Type OA90
D102	168910	Diode - Type OA90
D103	168910	Diode - Type OA90
D151	741866	Diode - Type Special
D152	741866	Diode - Type Special
D153	741869	Diode - Type Special
D154	741870	Diode - Type Special

Continued on Page 22

SYMB. NO.	STOCK NO.	DESCRIPTION
D501 THRU D514	742731	Diode - Type Special
D701	741865	Diode - Type Special
D801	741864	Diode - Type MA150
D802	741864	Diode - Type MA150
D803	741866	Diode - Type Special
D804	741864	Diode - Type MA150
D805	741866	Diode - Type Special
D806	741866	Diode - Type Special
D807	741864	Diode - Type MA150
D808	741864	Diode - Type MA150
D809	741864	Diode - Type MA150
D810	741867	Diode - Type MA1100
D901	741864	Diode - Type MA150
D902	741865	Diode - Type Special
D903	741864	Diode - Type MA150
D904	741864	Diode - Type MA150
D905	741864	Diode - Type MA150
D908	742732	Diode - Type Special
D909	741864	Diode - Type MA150
FC51	741923	Core - Tuner (Ferrite)
IC151	741852	IC - Type Special
IC152	741853	IC - Type AN 211
IC201	741854	IC - Type AN 214
IC301	741854	IC - Type AN 214
IC901	742724	IC - Type Special
IC902	742725	IC - Type Special
IC903	742726	IC - Type Special
IC904	742727	IC - Type Special
IFT51	741910	Transformer - IF
IFT101	741914	Filter - Ceramic
IFT102	741913	Transformer - IF
IFT151	741911	Transformer - IF
IFT152	741912	Transformer - IF
IFT801	742756	Transformer - IF
IFT802	742756	Transformer - IF
IFT803	742757	Transformer - IF
IFT804	741913	Transformer - IF
L52	741916	Coil - RF
L54	741921	Coil - RF
L101	741917	Coil - RF
L104	741915	Coil - OSC
L105	741916	Coil - RF
L151	741922	Coil - R.F.
L152	741920	Coil - RF
L701	742749	Coil - Choke
L802	742750	Coil - RF
L803	742750	Coil - RF
L804	741916	Coil - RF
L901	741905	Coil - R.F.
L902	741905	Coil - R.F.
L903	742751	Coil - RF
L904	741904	Coil - R.F.
L905	742751	Coil - RF
L906	741906	Coil - Choke, R.F.
L907	741905	Coil - R.F.
		All Resistors fixed carbon 1/8 watt unless otherwise noted
R51	428612	1000 Ohm, 5%, 1/8 w, Comp
R52	430554	3900 Ohm, 1/8 w, 5%, Comp
R53	429826	4700 Ohm, 5%, 1/8 w, Comp
R54	429820	470 Ohm, 1/8 w, 5%, Comp
R55	429829	15,000 Ohm, 1/8 w, 5%, Comp
R56	430554	3900 Ohm, 1/8 w, 5%, Comp
R57	428612	1000 Ohm, 5%, 1/8 w, Comp
R58	427815	1500 Ohms, 1/8 w, 5%, Comp
R59	430554	3900 Ohm, 1/8 w, 5%, Comp
R60	429829	15,000 Ohm, 1/8 w, 5%, Comp
R61	429820	470 Ohm, 1/8 w, 5%, Comp
R62	429834	100,000 Ohm, 1/8 w, 5%, Comp
R63	429834	100,000 Ohm, 1/8 w, 5%, Comp
R101	422021	6800 Ohm, 5%, 1/8 w, Comp
R102	429824	2200 Ohm, 1/8 w, 5%, Comp
R103	741885	560,000 Ohm, 5%, 1/8 w, Comp
R104	429818	33 Ohms, 5%, 1/8 w, Comp
R105	741882	330 Ohm, 5%, 1/8 w, Comp
R106	433321	68000 Ohm, 5%, 1/8 w, Comp
R107	433319	1800 Ohms, 5%, 1/8 w, Comp
R108	429829	15,000 Ohm, 1/8 w, 5%, Comp
R109	429830	22000 Ohm, 5%, 1/8 w, Comp
R110	425266	3300 Ohm, 5%, 1/8 w, Comp
R111	422020	5600 Ohm, 5%, 1/8 w, Comp
R112	425266	3300 Ohm, 5%, 1/8 w, Comp
R113	429832	39000 Ohm, 5%, 1/8 w, Comp
R114	429829	15,000 Ohm, 1/8 w, 5%, Comp
R115	741882	330 Ohm, 5%, 1/8 w, Comp
R116	429826	4700 Ohm, 5%, 1/8 w, Comp
R117	742742	390000 Ohm, 5%, 1/8 w, Comp
R118	741883	270 Ohm, 5%, 1/8 w, Comp
R119	429824	2200 Ohm, 1/8 w, 5%, Comp
R120	429825	2700 Ohm, 1/8 w, 5%, Comp
R151	429831	27000 Ohm, 5%, 1/8 w, Comp
R152	429826	4700 Ohm, 5%, 1/8 w, Comp
R153	429821	680 Ohm, 1/8 w, 5%, Comp
R154	426376	10 Ohms, 5%, 1/8 w, Comp
R155	428612	1000 Ohm, 5%, 1/8 w, Comp
R156	741882	330 Ohm, 5%, 1/8 w, Comp
R157	428612	1000 Ohm, 5%, 1/8 w, Comp
R158	428612	1000 Ohm, 5%, 1/8 w, Comp
R159	428612	1000 Ohm, 5%, 1/8 w, Comp
R160	430554	3900 Ohm, 1/8 w, 5%, Comp
R161	108861	100 Ohm, 5%, 1/4 w, Comp
R162	228878	56 Ohm, 5%, 1/4 w, Comp
R163	429834	100,000 Ohm, 1/8 w, 5%, Comp
R164	428612	1000 Ohm, 5%, 1/8 w, Comp
R165	430554	3900 Ohm,1/8 w, 5%, Comp
R171	429834	100000 Ohm, 5%, 1/8 w, Comp
R172	427816	33,000 Ohms, 1/8 w, 5%, Comp
R173	427815	1500 Ohms, 1/8 w, 5%, Comp
R174	428612	1000 Ohm, 5%, 1/8 w, Comp
R175	428612	1000 Ohm, 5%, 1/8 w, Comp
R176	425269	47,000 Ohm, 5%, 1/8 w, Comp
R177	741886	68 Ohm, 5%, 1/8 w, Comp
R178	427815	1500 Ohms, 1/8 w, 5%, Comp
R179	425266	3300 Ohm, 5%, 1/8 w, Comp
R180	425266	3300 Ohm, 5%, 1/8 w, Comp
R181	741882	330 Ohm, 5%, 1/8 w, Comp
R182	429826	4700 Ohm, 5%, 1/8 w, Comp
R183	428612	1000 Ohm, 5%, 1/8 w, Comp
R184	425266	3300 Ohm, 5%, 1/8 w, Comp
R185	422021	6800 Ohm, 5%, 1/8 w, Comp
R188	429821	680 Ohm, 1/8 w, 5%, Comp
R202	427816	33,000 Ohms, 1/8 w, 5%, Comp
R203	429833	56,000 Ohm, 1/8 w, 5%, Comp

Continued on Page 45

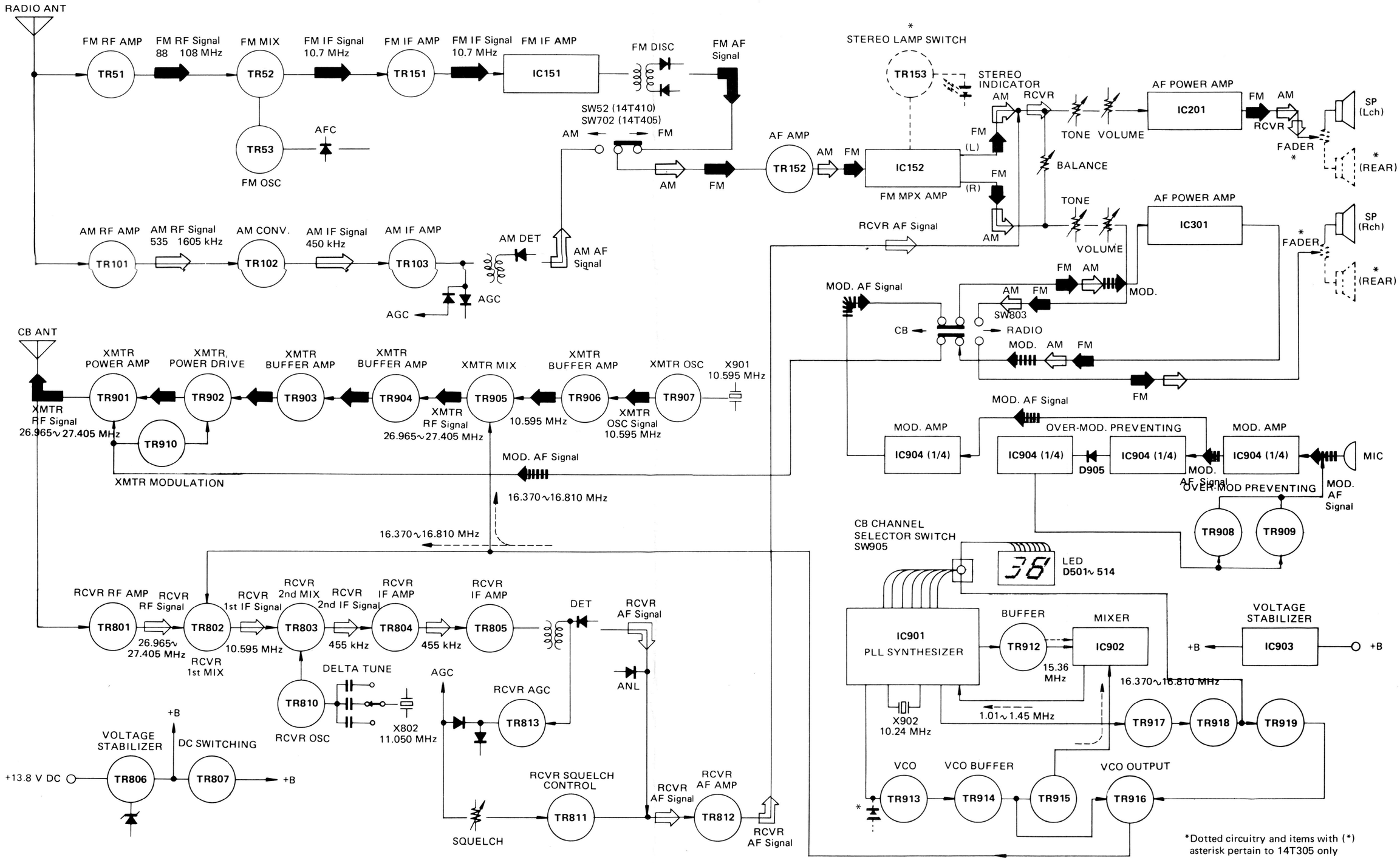
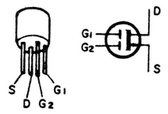


Figure 12. Overall Block Diagram

• TR801, 905



PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
IC151		⑪	0.4V(0.8V)	⑤	0.7V	⑤	1.5V	⑨	0.1V
①	5.5V	⑫	0V	⑥	0.4V	⑥	2.2V	⑩	3.3V
②	1.9V	⑬	8.2V(8.2V)	⑦	1.5V	⑦	0V	⑪	0.1V
③	2.1V	⑭	2.2V(2.2V)	⑧	4.4V	⑧	——	⑫	0.6V
④	0V	IC201, 301		⑨	0V	⑨	——	⑬	0.2V
⑤	10V	①	7.5V	⑩	4.4V	⑩	——	⑭	10V
⑥	3.2V	②	0V	⑪	4.4V	⑪	——		
⑦	10V	③	9.3V	⑫	4.4V	⑫	——		
IC152		④	12.0V	⑬	4.4V	⑬	——		
①	9.2V(10.5V)	⑤	7.8V	⑭	0V	⑭	4.4V		
②	9.2V(10.5V)	⑥	0V	⑮	0V	IC904			
③	3.3V(9.3V)	⑦	6.6V	⑯	4V	①	0.1V		
④	9.7V(2.7V)	⑧	13V	⑰	4.4V	②	0V		
⑤	3.1V(2.9V)	⑨	13.8V	⑱	0V	③	0.1V		
⑥	3.1V(2.9V)	IC901		IC902		④	1.4V		
⑦	6.8V(7.8V)	①	4.3V	①	4.3V	⑤	0.1V		
⑧	6.8V(8.5V)	②	1.2V	②	0.9V	⑥	0.2V		
⑨	1.5V(1.5V)	③	0.1V	③	2.1V	⑦	0V		
⑩	0.8V(0.8V)	④	2.3V	④	4.4V	⑧	0.1V		

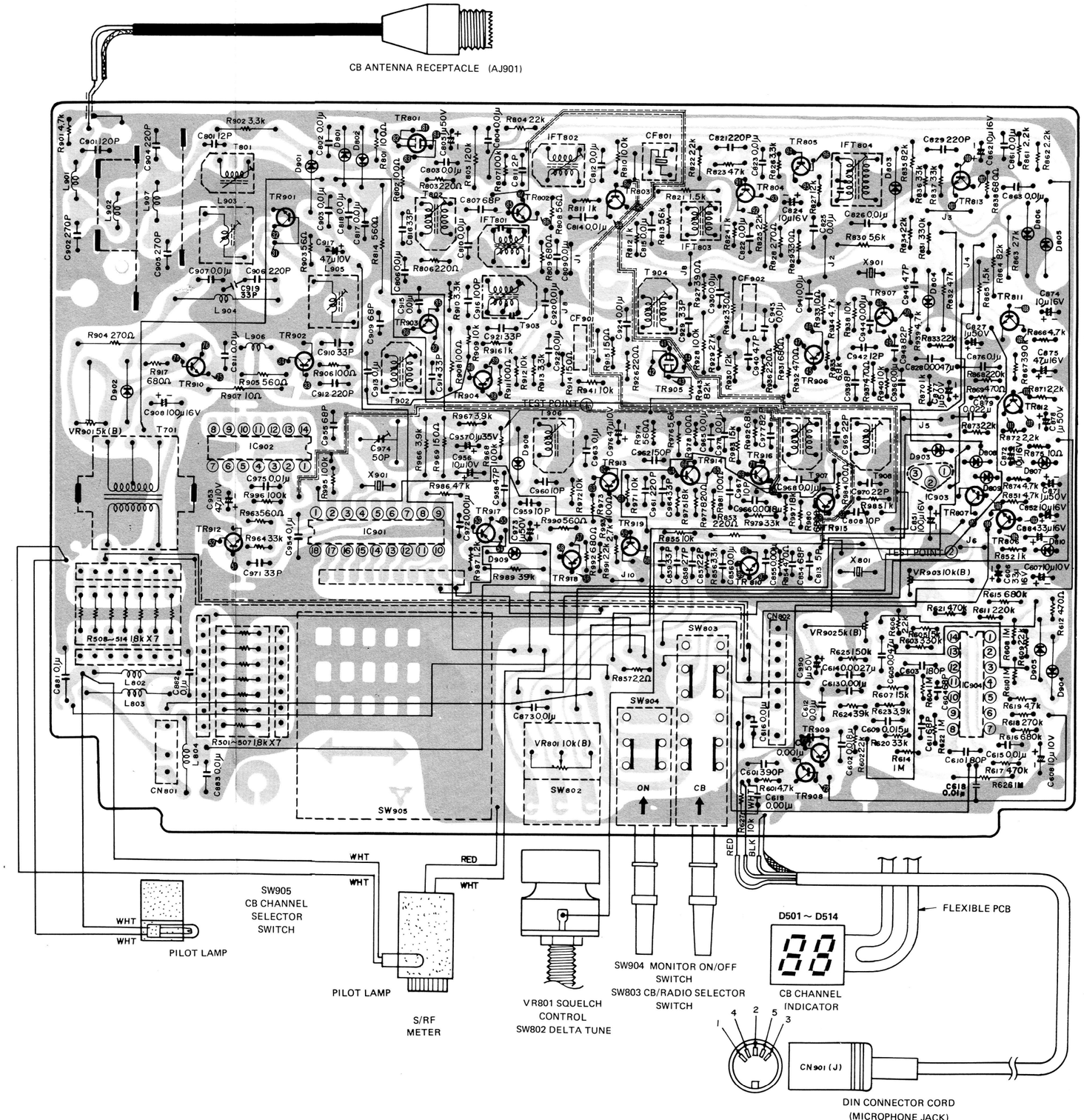


Figure 13. Printed Board — CB Block — 14T405

IC901	
①	4.3V
②	1.2V
③	0.1V
④	2.3V
⑤	0.7V
⑥	0.4V
⑦	1.5V
⑧	4.4V
⑨	0V

⑩	4.4V
⑪	4.4V
⑫	4.4V
⑬	4.4V
⑭	0V
⑮	0V
⑯	4V
⑰	4.4V
⑱	0V

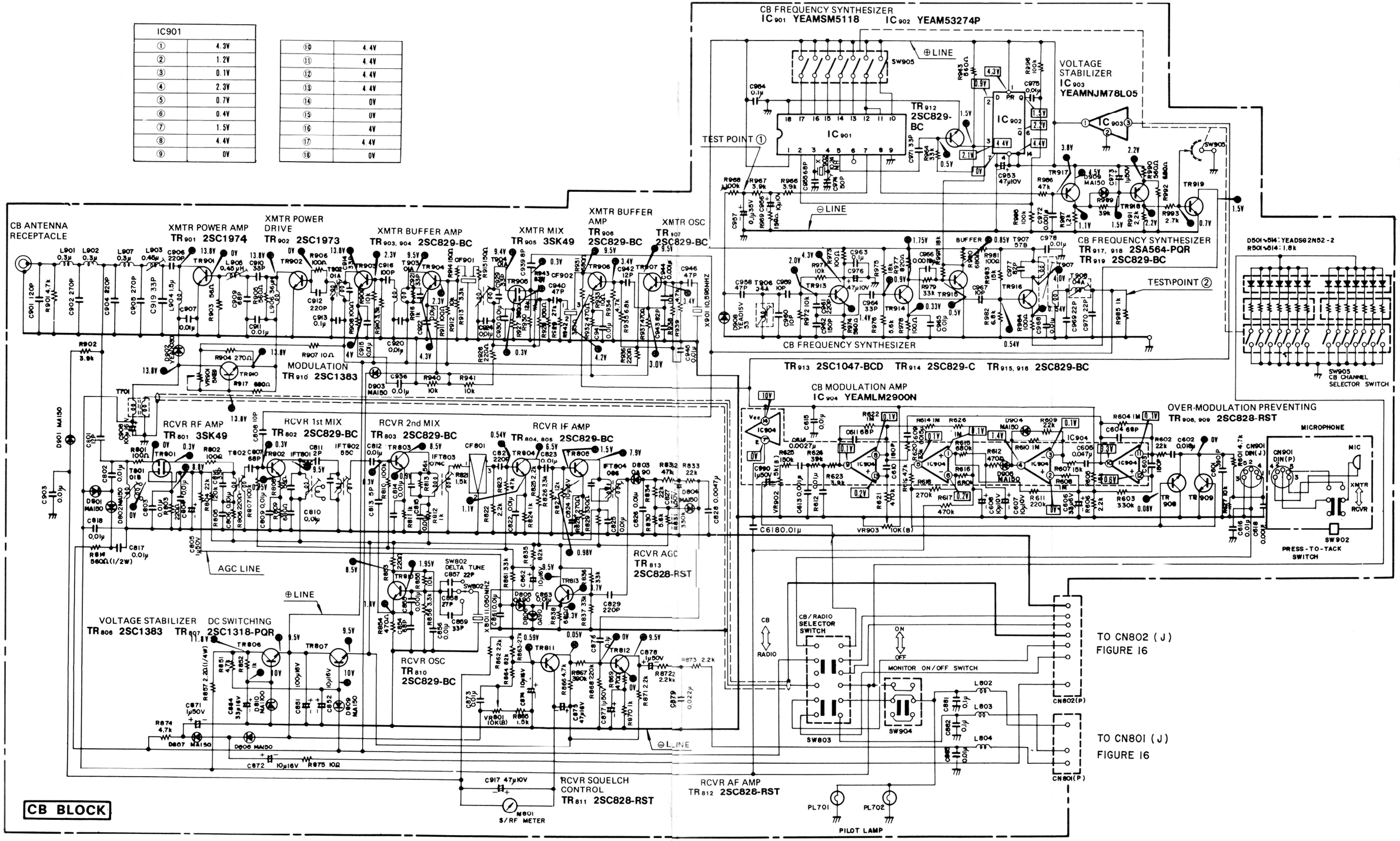


Figure 14. Schematic Diagram — CB Block — 14T405

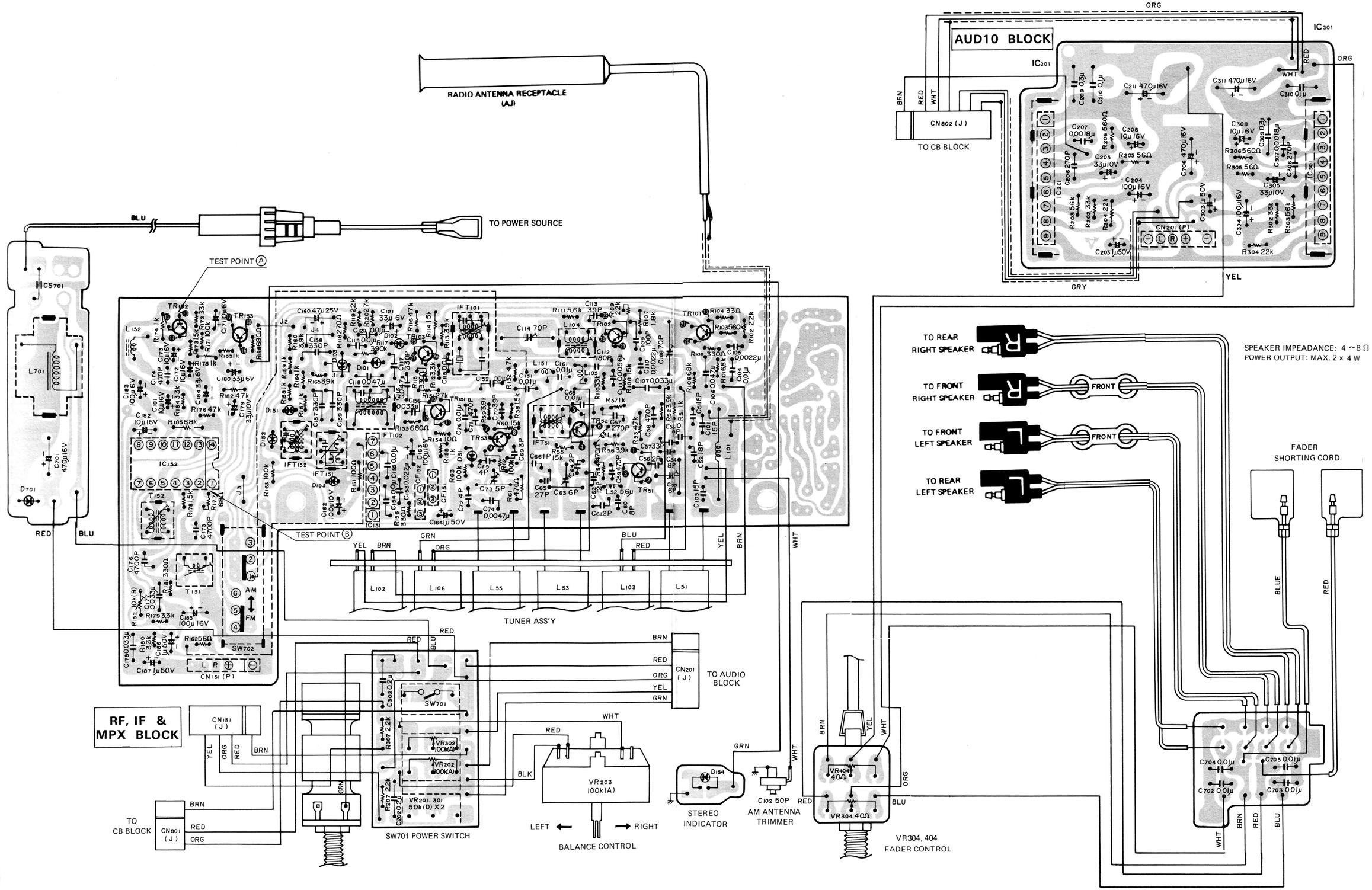
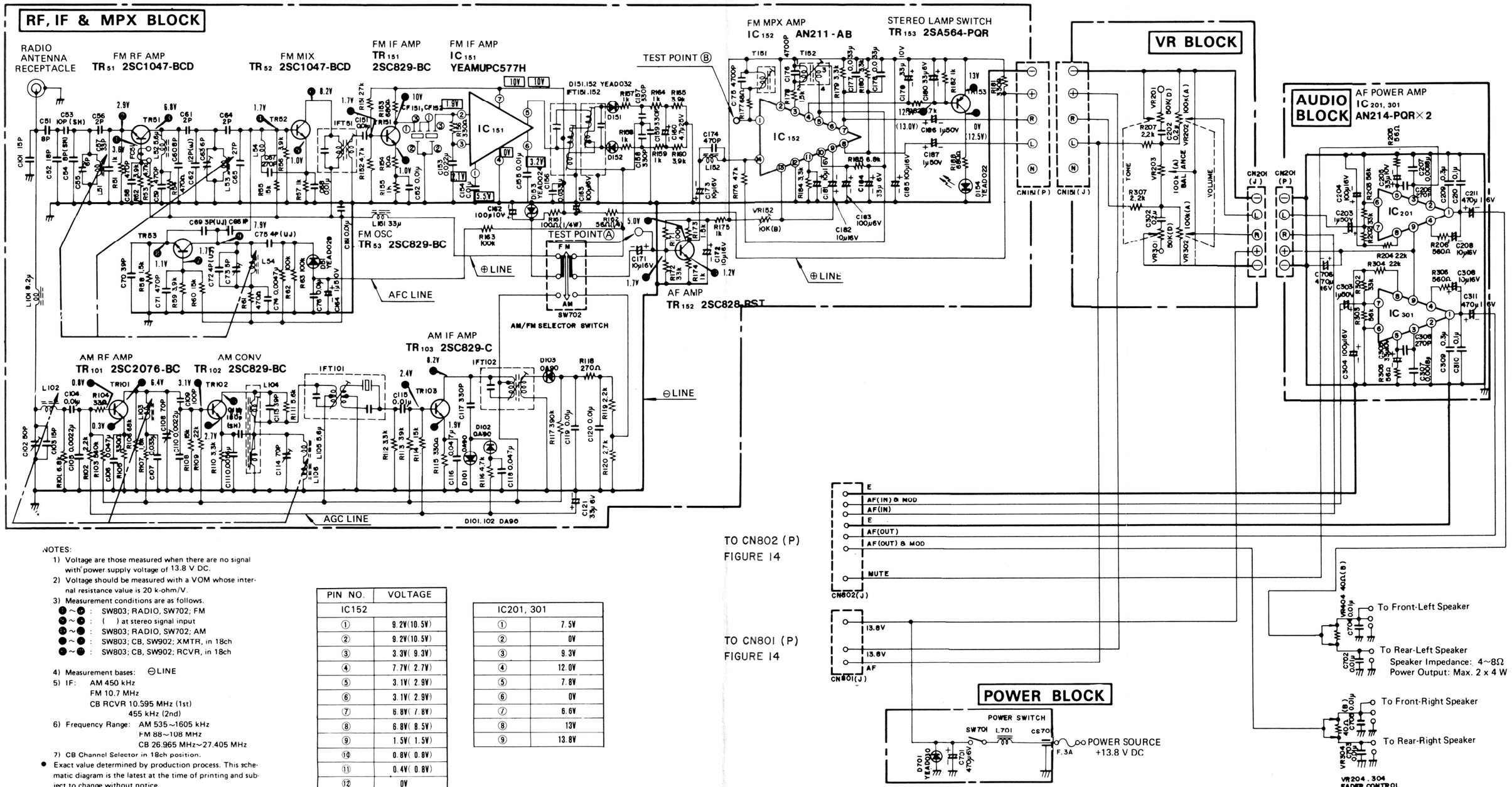


Figure 15. Printed Board — Radio Block — 14T405



TO CN802 (P)
FIGURE 14

TO CN801 (P)
FIGURE 14

NOTES:

1) Voltage are those measured when there are no signal with power supply voltage of 13.8 V DC.
2) Voltage should be measured with a VOM whose internal resistance value is 20 k-ohm/V.
3) Measurement conditions are as follows.
   - ❶ ~ ❹ : SW803; RADIO, SW702; FM
   - ❺ ~ ❽ : ( ) at stereo signal input
   - ❾ ~ ❿ : SW803; RADIO, SW702; AM
   - ❶ ~ ❿ : SW803; CB, SW902; XMTR, in 18ch
   - ❶ ~ ⓫ : SW803; CB, SW902; RCVR, in 18ch
4) Measurement bases: ⊖LINE
5) IF: AM 450 kHz
   FM 10.7 MHz
   CB RCVR 10.595 MHz (1st)
   455 kHz (2nd)
6) Frequency Range: AM 535~1605 kHz
   FM 88~108 MHz
   CB 26.965 MHz~27.405 MHz
7) CB Channel Selector in 18ch position.

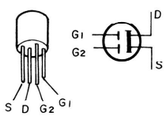
- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice.
  Replace same value as original parts.
- The shaded area on this schematic diagram incorporates special features important for SAFETY.
  When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

PIN NO.	VOLTAGE
IC152	
①	9.2V(10.5V)
②	9.2V(10.5V)
③	3.3V(9.3V)
④	7.7V(2.7V)
⑤	3.1V(2.9V)
⑥	3.1V(2.9V)
⑦	6.8V(7.8V)
⑧	6.8V(8.5V)
⑨	1.5V(1.5V)
⑩	0.8V(0.8V)
⑪	0.4V(0.8V)
⑫	0V
⑬	8.2V(8.2V)
⑭	2.2V(2.2V)

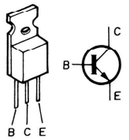
IC201, 301	
①	7.5V
②	0V
③	9.3V
④	12.0V
⑤	7.8V
⑥	0V
⑦	6.6V
⑧	13V
⑨	13.8V

Figure 16. Schematic Diagram — Radio Block — 14T405

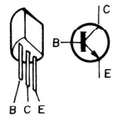
- TR801, 905



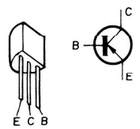
- TR901



- TR802～813, 902～909, 910 912～916



- TR917, 918



CB BLOCK

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE
IC901		⑬	—	㊹	9.5V	㊶	0V
①	4.3V	⑭	4.4V	㊺	4.2V	㊷	0V
②	1.2V	IC904		㊻	9.5V	㊸	0.3V
③	0.1V	①	0.1V	㊼	3.4V	㊹	8.8V
④	2.3V	②	0V	㊽	3.0V	㊺	0.3V
⑤	0.7V	③	0.1V	㊾	9.5V	㊻	0.75V
⑥	0.4V	④	1.4V	㊿	0.5V	㊼	9.5V
⑦	1.5V	⑤	0.1V	(51)	1.5V	㊽	0.3V
⑧	4.4V	⑥	0.2V	(52)	3.8V	㊾	0.9V
⑨	0V	⑦	0V	(53)	4.5V	㊿	8.5V
⑩	4.4V	⑧	0.1V	(54)	1.1V	(61)	0.54V
⑪	4.4V	⑨	0.1V	(55)	1.5V	(62)	1.1V
⑫	4.4V	⑩	3.3V	(56)	2.2V	(63)	6.5V
⑬	4.4V	⑪	0.1V	(57)	2.2V	(64)	1.5V
⑭	0V	⑫	0.6V	(58)	0.7V	(65)	0.98V
⑮	0V	⑬	0.2V	(59)	1.5V	(66)	7.9V
⑯	4V	⑭	10V	(60)	2.0V	(67)	1.95V
⑰	4.4V	NO.	VOLTAGE	(61)	1.4V	(68)	1.4V
⑱	0V	(69)	0V	(62)	4.3V	(69)	8.5V
IC902		(70)	13.8V	(63)	0.9V	(70)	3.7V
①	4.3V	(71)	0V	(64)	0.33V	(71)	3.3V
②	0.9V	(72)	13.8V	(65)	1.75V	(72)	9.5V
③	2.1V	(73)	2.3V	(66)	0.5V	(73)	10V
④	4.4V	(74)	4V	(67)	0.85V	(74)	9.5V
⑤	1.5V	(75)	13.8V	(68)	0.54V	(75)	13.8V
⑥	2.2V	(76)	2.3V	(69)	0.54V	(76)	10V
⑦	0V	(77)	4.3V	(70)	4.0V	(77)	9.5V
⑧	—	(78)	9.5V	(71)	0.08V	(78)	0.59V
⑨	—	(79)	9.4V	(72)	0V	(79)	0.05V
⑩	—	(80)	0.2V	(73)	13.8V	(80)	0V
⑪	—	(81)	0V	(74)	13.8V	(81)	0V
⑫	—	(82)	0.3V	(75)	13.8V	(82)	9.5V

Speaker Impedance: 4～8 Ω
Power Output: Max. 2 x 4 W

CB ANTENNA RECEPTACLE (AJ901)

CB BLOCK

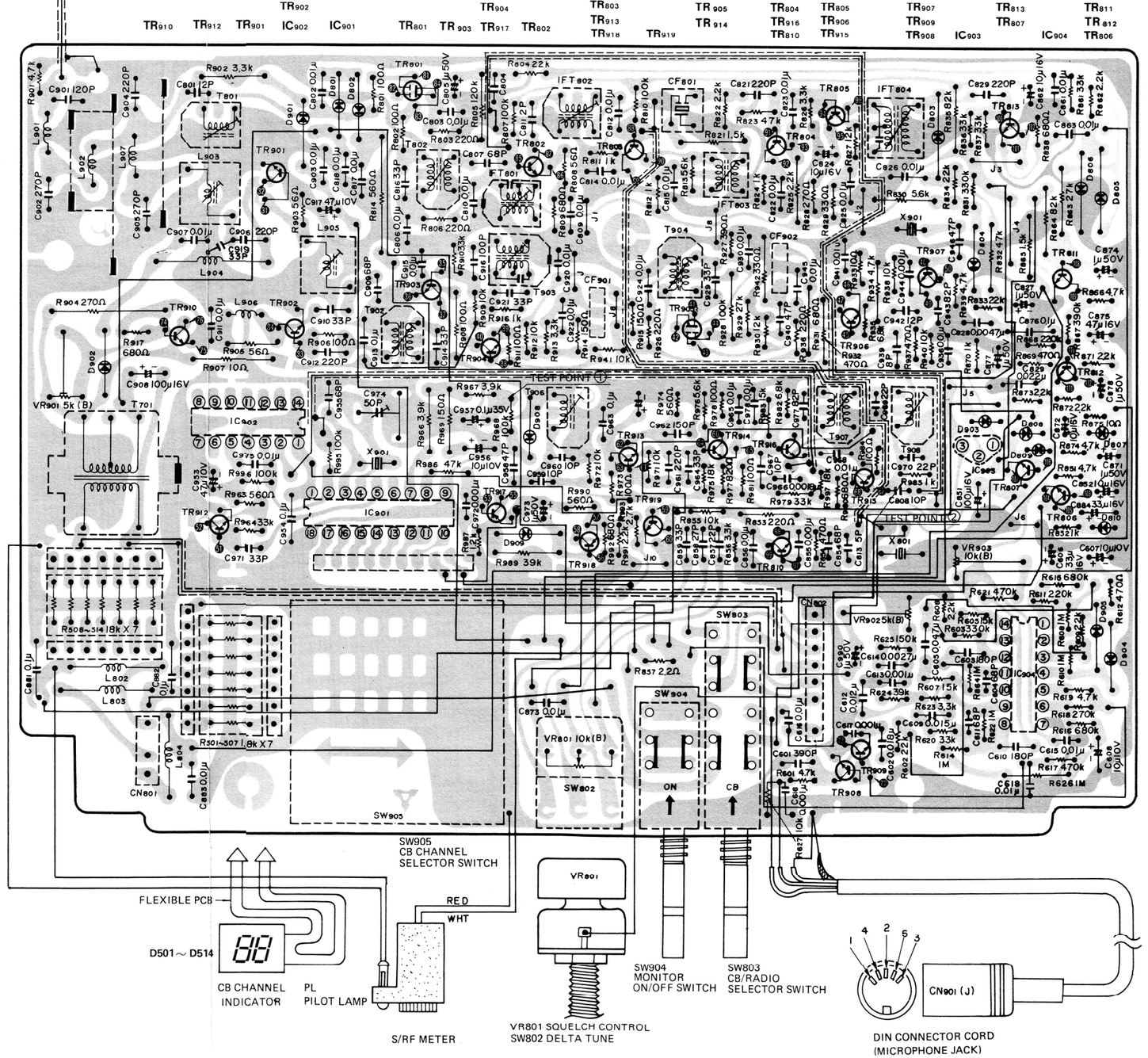


Figure 17. Printed Board — CB Block — 14T410

IC901	
①	4.3V
②	1.2V
③	0.1V
④	2.3V
⑤	0.7V
⑥	0.4V
⑦	1.5V
⑧	4.4V
⑨	0V

⑩	4.4V
⑪	4.4V
⑫	4.4V
⑬	4.4V
⑭	0V
⑮	0V
⑯	4V
⑰	4.4V
⑱	0V

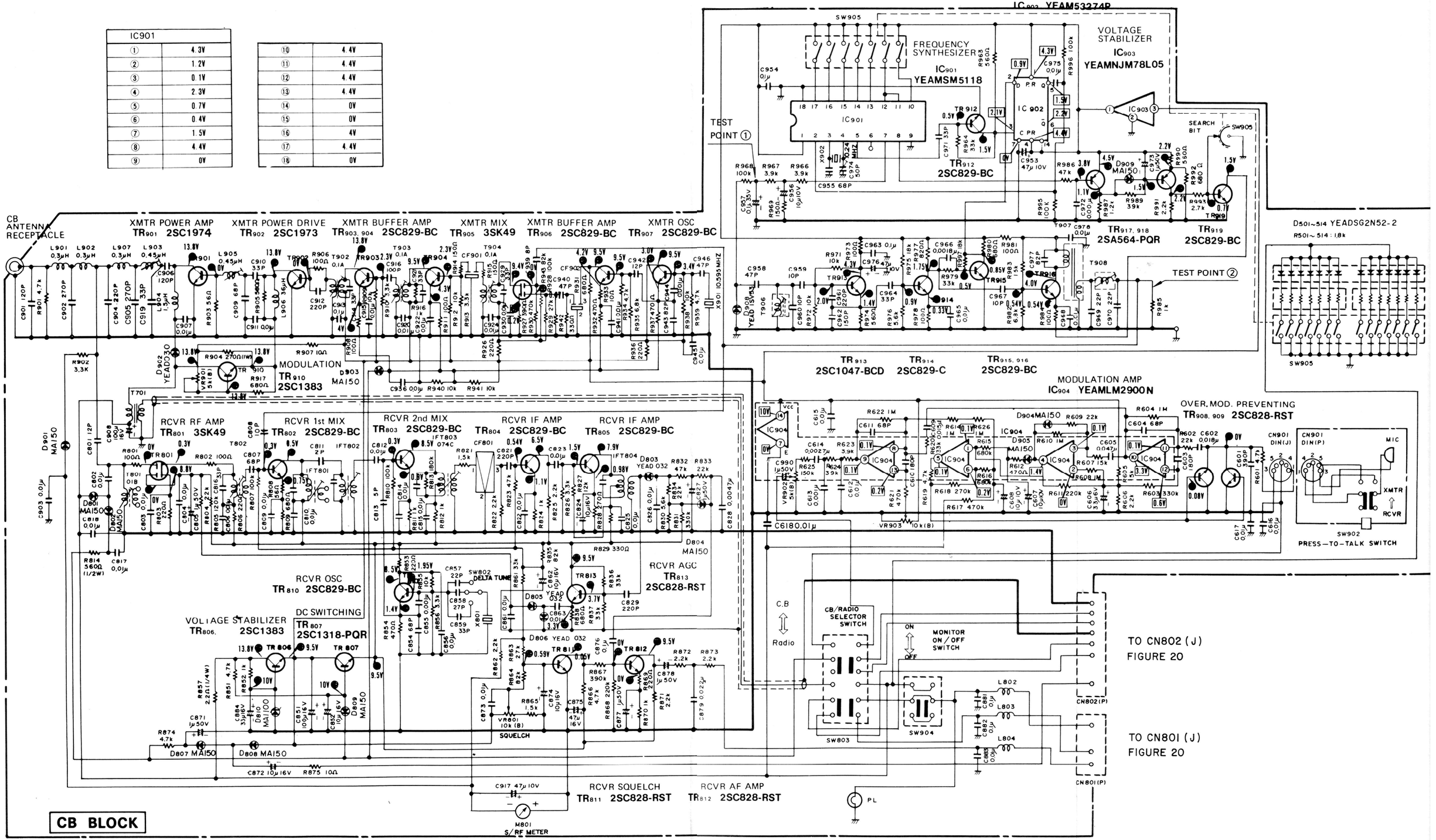
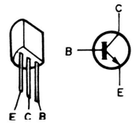


Figure 18. Schematic Diagram — CB Block — 14T410

- TR51～53, 151, 152
  TR101～103



RADIO AND AUDIO BLOCK

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE
IC151		⑨	0V(0V)	❶	3.8V	⓯	0.9V
①	5.5V	⑩	1.5V(1.5V)	❷	3.0V	⓰	0.5V
②	1.9V	⑪	1.5V(1.5V)	❸	7.0V	⓱	7.9V
③	2.1V	⑫	1.3V(1.3V)	❹	1.7V	⓲	3.2V
④	0V	⑬	1.6V(1.6V)	❺	1.1V	⓳	2.7V
⑤	10V	⑭	1.6V(1.6V)	❻	8.4V	⓴	7.8V
⑥	3.2V	⑮	1.5V(1.5V)	❼	1.7V		
⑦	10V	⑯	2.4V(2.4V)	❽	1.3V		
IC152		IC201, 301		❾	8.0V		
①	11V(11V)	①	7.5V	❿	1.5V		
②	2.6V(2.6V)	②	0V	⓫	0.9V		
③	2.6V(2.6V)	③	9.3V	⓬	10V		
④	3.6V(3.6V)	④	12.0V	⓭	1.6V		
⑤	3.6V(3.6V)	⑤	7.8V	⓮	1.6V		
⑥	12.5V(0.9V)	⑥	0V	⓯	5.6V		
⑦	0V(0V)	⑦	6.6V	⓰	0.9V		
⑧	0.8V(0.8V)	⑧	13V	⓱	0.4V		
		⑨	13.8V	⓲	5.4V		

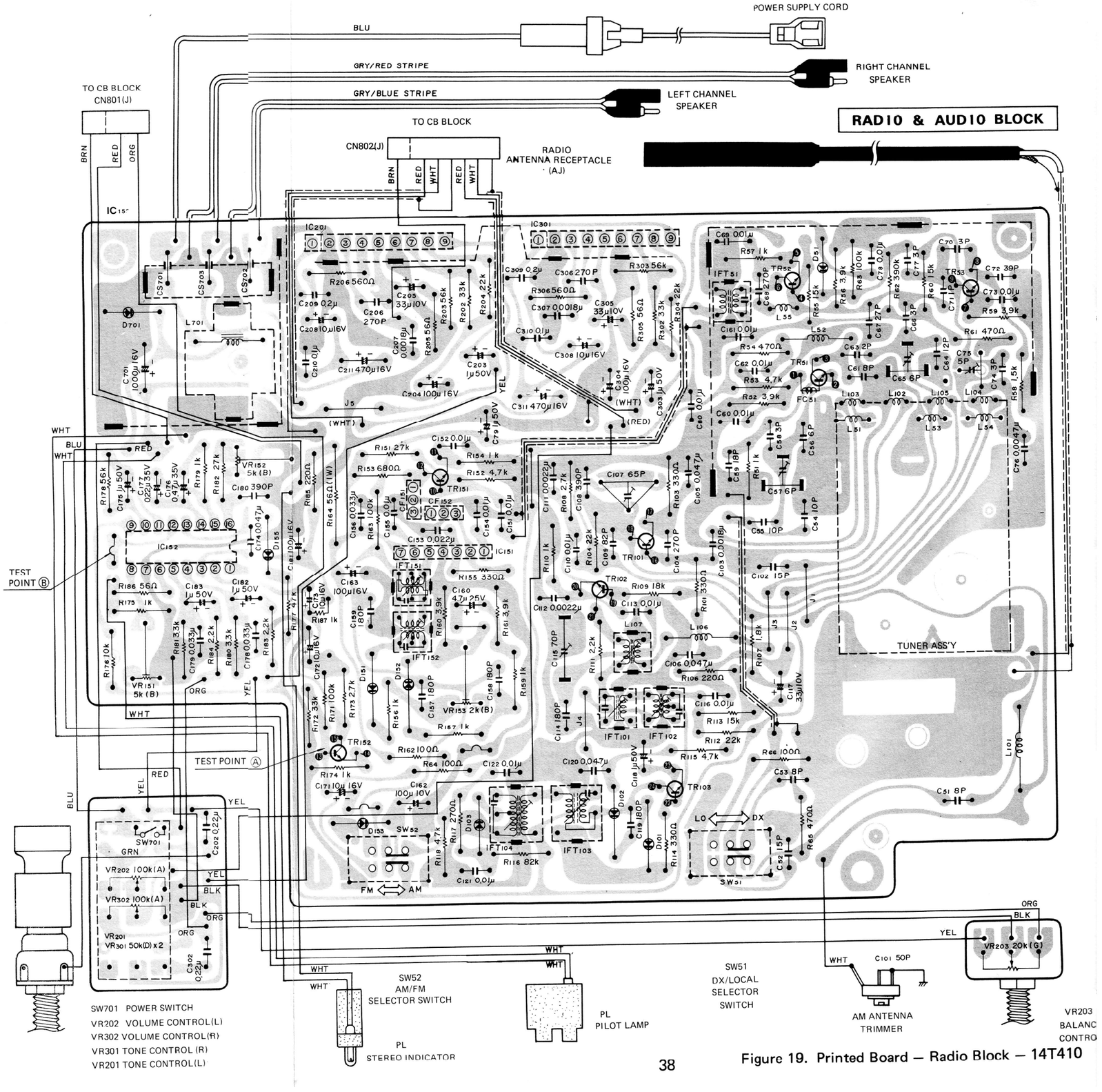
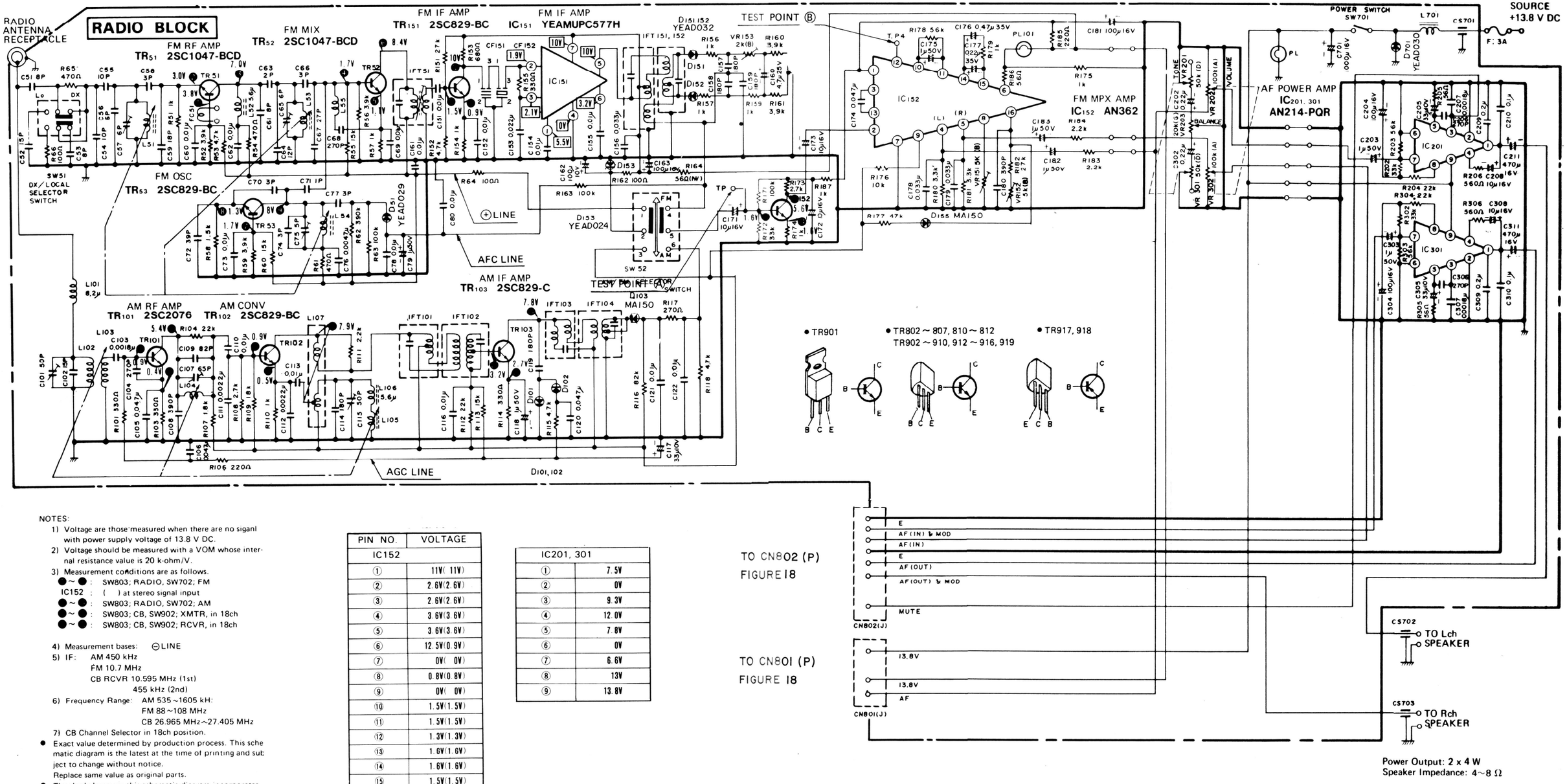


Figure 19. Printed Board — Radio Block — 14T410



NOTES:

1) Voltage are those measured when there are no siganl with power supply voltage of 13.8 V DC.
2) Voltage should be measured with a VOM whose internal resistance value is 20 k-ohm/V.
3) Measurement conditions are as follows.
   ●～●: SW803; RADIO, SW702; FM
   IC152: ( ) at stereo signal input
   ●～●: SW803; RADIO, SW702; AM
   ●～●: SW803; CB, SW902; XMTR, in 18ch
   ●～●: SW803; CB, SW902; RCVR, in 18ch
4) Measurement bases: ⊖LINE
5) IF: AM 450 kHz
   FM 10.7 MHz
   CB RCVR 10.595 MHz (1st)
   455 kHz (2nd)
6) Frequency Range: AM 535～1605 kH:
   FM 88～108 MHz
   CB 26.965 MHz～27.405 MHz
7) CB Channel Selector in 18ch position.

● Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice.
Replace same value as original parts.
● The shaded area on this schematic diagram incorporates special features important for SAFETY.
When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schemtaic.

PIN NO.	VOLTAGE
IC152	
①	11V(11V)
②	2.6V(2.6V)
③	2.6V(2.6V)
④	3.6V(3.6V)
⑤	3.6V(3.6V)
⑥	12.5V(0.9V)
⑦	0V(0V)
⑧	0.8V(0.8V)
⑨	0V(0V)
⑩	1.5V(1.5V)
⑪	1.5V(1.5V)
⑫	1.3V(1.3V)
⑬	1.6V(1.6V)
⑭	1.6V(1.6V)
⑮	1.5V(1.5V)
⑯	2.4V(2.4V)

IC201, 301	
①	7.5V
②	0V
③	9.3V
④	12.0V
⑤	7.8V
⑥	0V
⑦	6.6V
⑧	13V
⑨	13.8V

Figure 20. Schematic Diagram — Radio Block — 14T410

■NOTE : The symbols next to the screws indicate as follows.

✣	XYN3+F12FXS	⊕Screw w/Washer, 3mmϕ×12mm
★	XTB3+6FFXS	⊕Screw Bind 3mmϕ×6mm
✱	XYN3+F6FXS	⊕Screw w/Washer, 3mmϕ×6mm
❋	XYN26+C5FXS	⊕Screw w/Washer, 2.6mmϕ×5mm
⊙	XYN3+F8FXS	⊕Screw w/Washer, 3mmϕ×8mm
●	XSB3+8FXS	⊕Screw, Bind 3mmϕ×8mm

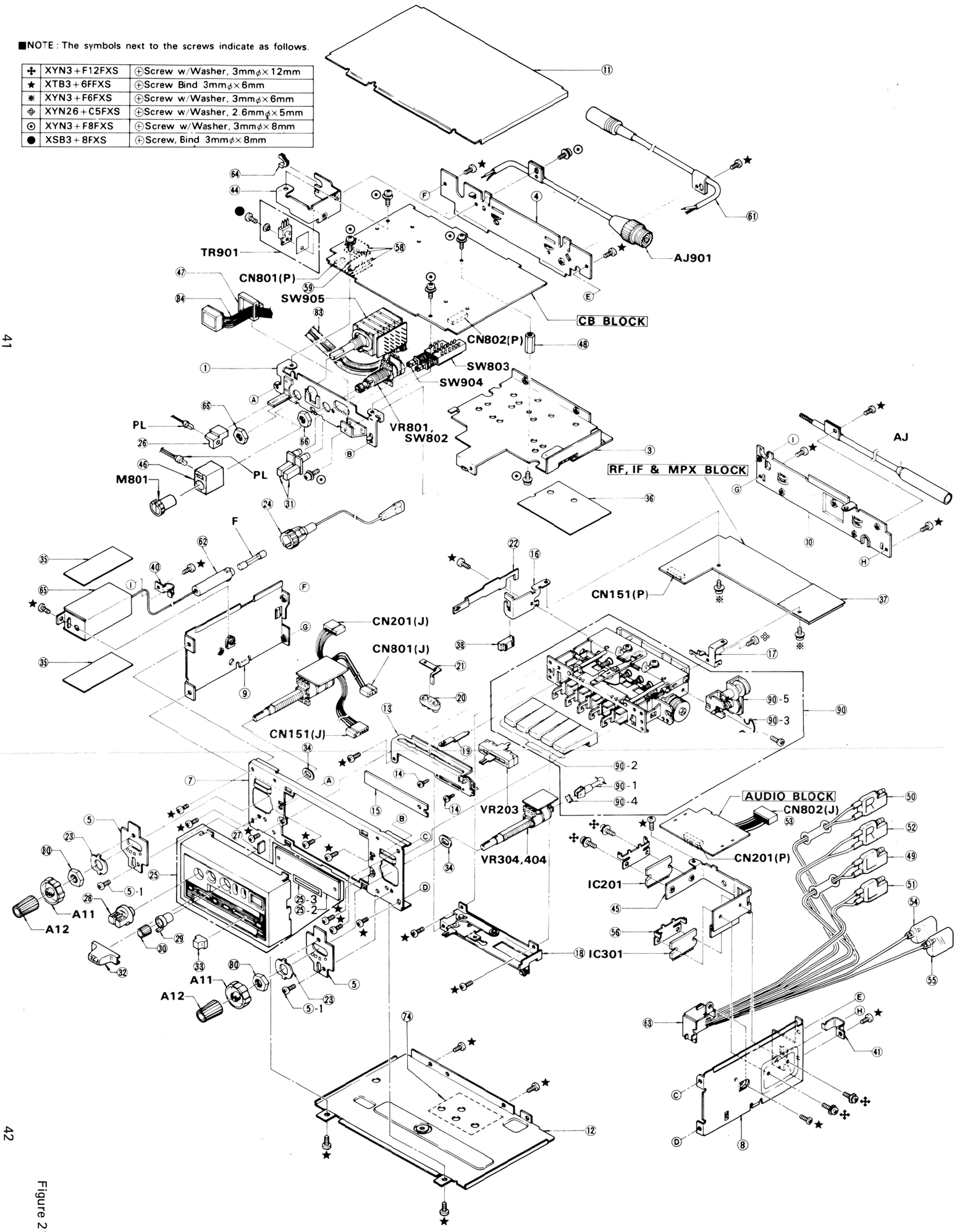


Figure 21. Exploded View — Model 14T405

NOTE: Symbols next the screws indicate as follows.

❖	XYN26+C5FXS	⊕Screw w/Washer, 2.6mmϕ×5mm
◉	XSB3+4FXS	⊕Screw, Bind 3mm4×4mm
▲	XYN3+F10FXS	⊕Screw w/Washer, 3mmϕ×10mm
◎	XSB3+8FXS	⊕Screw, Bind 3mmϕ×8mm
★	XYN3+C6FXS	⊕Screw w/Washer, 3mmϕ×6mm
✱	XYN3+F8FXS	⊕Screw w/Washer, 3mmϕ×8mm
⊙	XYN3+F8FXS	⊕Screw w/Washer, 3mmϕ×8mm
✣	XYN3+C12FXS	⊕Screw w/Washer, 3mmϕ×12mm

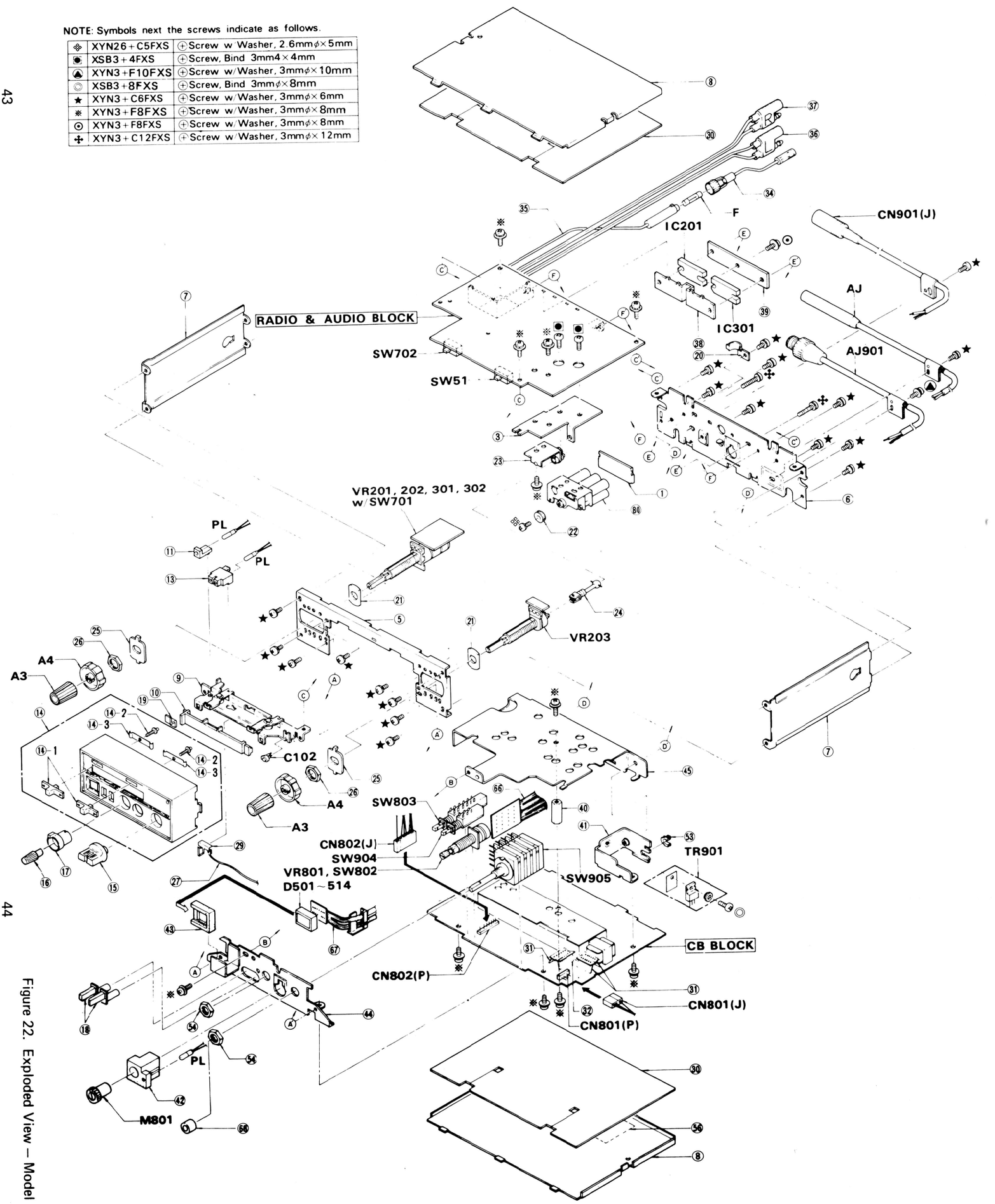


Figure 22. Exploded View – Model 14T410

SYMB. NO.	STOCK NO.	DESCRIPTION
R204	429830	2200 Ohm, 5%, 1/8 w, Comp
R205	741884	56 Ohm, 5%, 1/8 w, Comp
R206	433123	560 Ohms, 5%, 1/8 w, Comp
R207	429824	2200 Ohm, 1/8 w, 5%, Comp
R302	427816	33,000 Ohms, 1/8 w, 5%, Comp
R303	429833	56,000 Ohm, 1/8 w, 5%, Comp
R304	429830	22000 Ohm, 5%, 1/8 w, Comp
R305	741884	56 Ohm, 5%, 1/8 w, Comp
R306	433123	560 Ohms, 5%, 1/8 w, Comp
R307	429824	2200 Ohm, 1/8 w, 5%, Comp
R501 THRU R514	742741	RES Module-7 Resistors, 1800 Ohm, ea.
R601	429826	4700 Ohm, 5%, 1/8 w, Comp
R602	429830	22000 Ohm, 5%, 1/8 w, Comp
R603	436537	330000 Ohm, 5%, 1/8 w, Comp
R604	433324	1000000 Ohm, 5%, 1/8 w, Comp
R605	429829	15,000 Ohm, 1/8 w, 5%, Comp
R606	429824	2200 Ohm, 1/8 w, 5%, Comp
R607	429829	15,000 Ohm, 1/8 w, 5%, Comp
R608	433324	1000000 Ohm, 5%, 1/8 w, Comp
R609	429830	22000 Ohm, 5%, 1/8 w, Comp
R610	433324	1000000 Ohm, 5%, 1/8 w, Comp
R611	429835	220,000 Ohm, 1/8 w, 5%, Comp
R612	429820	470 Ohm, 1/8 w, 5%, Comp
R614	433324	1000000 Ohm, 5%, 1/8 w, Comp
R615	436536	680000 Ohm, 5%, 1/8 w, Comp
R616	436536	680000 Ohm, 5%, 1/8 w, Comp
R617	429836	470,000 Ohm, 1/8 w, 5%, Comp
R618	423244	270000 Ohm, 5%, 1/8 w, Comp
R619	429826	4700 Ohm, 5%, 1/8 w, Comp
R620	427816	33,000 Ohms, 1/8 w, 5%, Comp
R621	429836	470,000 Ohm, 1/8 w, 5%, Comp
R622	433324	1000000 Ohm, 5%, 1/8 w, Comp
R623	430554	3900 Ohm, 1/8 w, 5%, Comp
R624	429832	39000 Ohm, 5%, 1/8 w, Comp
R625	741881	150000 Ohm, 5%, 1/8 w, Comp
R626	433324	1000000 Ohm, 5%, 1/8 w, Comp
R627	429828	10000 Ohm, 5%, 1/8 w, Comp
R801	246910	100 Ohm, 5%. 1/8 w, Comp
R802	246910	100 Ohm, 5%, 1/8 w, Comp
R803	433122	220 Ohms 5%, 1/8 w, Comp
R804	429830	22000 Ohm, 5%, 1/8 w, Comp
R805	423241	120000 Ohm, 5%, 1/8 w, Comp
R806	433122	220 Ohms, 5%, 1/8 w, Comp
R807	429834	100,000 Ohm, 1/8 w, 5%, Comp
R808	741884	56 Ohm, 5%, 1/8 w, Comp
R809	429821	680 Ohm, 1/8 w, 5%, Comp
R810	429834	100,000 Ohm, 1/8 w, 5%, Comp
R811	428612	1000 Ohm, 5%, 1/8 w, Comp
R812	428612	1000 Ohm, 5%, 1/8 w, Comp
R813	435413	180000 Ohm, 5%, 1/8 w, Comp
R814	502156	560 Ohms, 5%, 1/2 w, Comp
R821	427815	1500 Ohms, 1/8 w, 5%, Comp
R822	429824	2200 Ohm, 1/8 w, 5%, Comp
R823	425269	47,000 Ohm, 5%, 1/8 w, Comp
R824	428612	1000 Ohm, 5%, 1/8 w, Comp
R825	429824	2200 Ohm, 5%, 1/8 w, Comp
R826	425266	3300 Ohm, 5%, 1/8 w, Comp
R827	428613	12000 Ohm, 5%, 1/8 w, Comp
R828	741883	270 Ohm, 5%, 1/8 w, Comp
R829	741882	330 Ohm, 5%, 1/8 w, Comp
R830	422020	5600 Ohm, 5%, 1/8 w, Comp
R831	436537	330000 Ohm, 5%, 1/8 w, Comp
R832	425269	47,000 Ohm, 5%, 1/8 w, Comp
R833	429830	22000 Ohm, 5%, 1/8 w, Comp
R834	429830	22000 Ohm, 5%, 1/8 w, Comp
R835	433323	82000 Ohm, 5%, 1/8 w, Comp
R836	427816	33,000 Ohms, 1/8 w, 5%, Comp
R837	427816	33000 Ohm, 5%, 1/8 w, Comp
R838	429821	680 Ohm, 1/8 w, 5%, Comp
R851	429826	4700 Ohm, 5%, 1/8 w, Comp
R852	428612	1000 Ohm, 5%, 1/8 w, Comp
R853	433122	220 Ohms, 5%, 1/8 w, Comp
R854	429820	470 Ohm, 5%, 1/8 w, Comp
R855	429828	10000 Ohm, 5%, 1/8 w, Comp
R856	425266	3300 Ohm, 5%, 1/8 w, Comp
R857	433312	2.2 Ohms, 5%, 1/4 w, Comp
R861	427816	33,000 Ohms, 1/8 w, 5%, Comp
R862	429824	2200 Ohm, 1/8 w, 5%, Comp
R863	429831	27000 Ohm, 5%, 1/8 w, Comp
R864	433323	82000 Ohm, 5%, 1/8 w, Comp
R865	427815	1500 Ohms, 1/8 w, 5%, Comp
R866	429826	4700 Ohm, 5%, 1/8 w, Comp
R867	742742	390000 Ohm, 5%, 1/8 w, Comp
R868	429835	220,000 Ohm, 1/8 w, 5%, Comp
R869	429820	470 Ohm, 1/8 w, 5%, Comp
R870	428612	1000 Ohm, 5%, 1/8 w, Comp
R871	429824	2200 Ohm, 1/8 w, 5%, Comp
R872	429824	2200 Ohm, 1/8 w, 5%, Comp
R873	429824	2200 Ohm, 1/8 w, 5%, Comp
R874	429826	4700 Ohm, 5%, 1/8 w, Comp
R875	426376	10 Ohms. 5%, 1/8 w, Comp
R901	429826	4700 Ohm, 5%, 1/8 w, Comp
R902	430554	3900 Ohm, 1/8 w, 5%, Comp
R903	741884	56 Ohm, 5%, 1/8 w, Comp
R904	742840	270 Ohm, 5%, 1 w, Film Metal Oxide
R905	227741	560 Ohm, 5%, 1/4 w, Comp
R906	246910	100 Ohm, 5%, 1/8 w, Comp
R907	426232	10 Ohm, 5%, 1/4 w, Comp
R908	246910	100 Ohm, 5%, 1/8 w, Comp
R909	429828	10000 Ohm, 5%, 1/8 w, Comp
R910	425266	3300 Ohm, 5%, 1/8 w, Comp
R911	246910	100 Ohm, 5%, 1/8 w, Comp
R912	429828	10000 Ohm, 5%, 1/8 w, Comp
R913	425266	3300 Ohm, 5%, 1/8 w, Comp
R914	433463	150 Ohms, 5%, 1/8 w, Comp
R915	433463	150 Ohms, 5%, 1/8 w, Comp
R916	428612	1000 Ohm, 5%, 1/8 w, Comp
R917	429821	680 Ohm, 1/8 w, 5%, Comp
R926	433122	220 Ohms, 5%, 1/8 w, Comp
R927	429819	390 Ohm, 1/8 w, 5%, Comp
R928	429834	100,000 Ohm, 1/8 w, 5%, Comp
R929	429831	27000 Ohm, 5%, 1/8 w, Comp
R930	428613	12000 Ohm, 5%, 1/8 w, Comp
R931	429821	680 Ohm, 1/8 w, 5%, Comp
R932	429820	470 Ohm, 1/8 w, 5%, Comp
R933	426376	10 Ohms, 5%, 1/8 w, Comp
R934	429826	4700 Ohm, 5%, 1/8 w, Comp
R935	422021	6800 Ohm, 5%, 1/8 w, Comp
R936	433122	220 Ohms, 5%, 1/8 w, Comp
R937	429820	470 Ohm, 1/8 w, 5%, Comp
R938	429828	10000 Ohm, 5%, 1/8 w, Comp
R939	429826	4700 Ohm, 5%, 1/8 w, Comp
R940	429828	10000 Ohm, 5%, 1/8 w, Comp
R941	429828	10000 Ohm, 5%, 1/8 w, Comp
R942	741882	330 Ohm, 5%, 1/8 w, Comp
R943	433323	82000 Ohm, 5%, 1/8 w, Comp
R963	433123	560 Ohms, 5%, 1/8 w, Comp
R964	427816	33,000 Ohms, 1/8 w, 5%, Comp

Continued on Page 46

SYMB. NO.	STOCK NO.	DESCRIPTION
R966	430554	3900 Ohm, 1/8 w, 5%, Comp
R967	430554	3900 Ohm, 5%, 1/8 w, Comp
R968	429834	100,000 Ohm, 1/8 w, 5%, Comp
R969	433463	150 Ohms, 5%, 1/8 w, Comp
R971	429828	10000 Ohm, 5%, 1/8 w, Comp
R972	429828	10000 Ohm, 5%, 1/8 w, Comp
R973	246910	100 Ohm, 5%, 1/8 w, Comp
R974	433123	560 Ohms, 5%, 1/8 w, Comp
R975	433417	18000 Ohm, 5%, 1/8 w, Comp
R976	422020	5600 Ohm, 5%, 1/8 w, Comp
R977	432105	820 Ohms, 5%, 1/8 w, Comp
R978	246910	100 Ohm, 5%, 1/8 w, Comp
R979	427816	33,000 Ohms, 1/8 w, 5%, Comp
R980	429821	680 Ohm, 1/8 w, 5%, Comp
R981	246910	100 Ohm, 5%, 1/8 w, Comp
R982	422021	6800 Ohm, 5%, 1/8 w, Comp
R983	429829	15,000 Ohm, 1/8 w, 5%, Comp
R984	246910	100 Ohm, 5%, 1/8 w, Comp
R985	428612	1000 Ohm, 5%, 1/8 w, Comp
R986	425269	47,000 Ohm, 5%, 1/8 w, Comp
R987	431026	1200 Ohm, 5%, 1/8 w, Comp
R989	429832	39000 Ohm, 5%, 1/8 w, Comp
R990	433123	560 Ohms, 5%, 1/8 w, Comp
R991	429824	2200 Ohm, 1/8 w, 5%, Comp
R992	429821	680 Ohm, 5%, 1/8 w, Comp
R993	429825	2700 Ohm, 1/8 w, 5%, Comp
R995	429834	100,000 Ohm, 1/8 w, 5%, Comp
R996	429834	100,000 Ohm, 1/8 w, 5%, Comp
R997	433417	18000 Ohm, 5%, 1/8 w, Comp
SW701	742811	100000 Ohm, Linear, Var w/Pwr Switch
SW702	741928	Switch-Selector Slide
SW802	741880	10000 Ohm, Linear, Var with Switch
SW803	742765	Switch - Selector
SW904	741927	Switch-Monitor, On/Off
SW905	742766	Switch - Selector
T151	741918	Coil-MPX.
T152	741919	Coil-MPX
T701	742758	Transformer - Mod
T801	742759	Transformer - RF
T802	741896	Transformer - RF
T902	741896	Transformer - RF
T903	741896	Transformer - RF
T904	741896	Transformer - RF
T906	742760	Transformer - RF
T907	742761	Transformer - RF
T908	742760	Transformer - RF
TR51	741862	Transistor - Type 2SC1047
TR52	741862	Transistor - Type 2SC1047
TR53	741855	Transistor - Type 2SC829
TR101	742728	Transistor - Type 2SC2076
TR102	741855	Transistor - Type 2SC829
TR103	741855	Transistor - Type 2SC829
TR151	741855	Transistor - Type 2SC829
TR152	169771	Transistor - Type 2SC828
TR153	741863	Transistor - Type 2SA564
TR801	741860	Transistor - Type 3SK49
TR802	741855	Transistor - Type 2SC829
TR803	741855	Transistor - Type 2SC829
TR804	741855	Transistor - Type 2SC829
TR805	741855	Transistor - Type 2SC829
TR806	742729	Transistor - Type 2SC1383
TR807	741856	Transistor - Type 2SC1318
TR810	741855	Transistor - Type 2SC829

SYMB. NO.	STOCK NO.	DESCRIPTION
TR811	169771	Transistor - Type 2SC828
TR812	169771	Transistor - Type 2SC828
TR813	169771	Transistor - Type 2SC828
TR901	742970	Transistor – Type 2SC1974
TR902	741858	Transistor - Type 2SC1973
TR903	741855	Transistor - Type 2SC829
TR904	741855	Transistor - Type 2SC829
TR905	741860	Transistor - Type 3SK49
TR906	741855	Transistor - Type 2SC829
TR907	741855	Transistor - Type 2SC829
TR908	169771	Transistor - Type 2SC828
TR909	169771	Transistor - Type 2SC828
TR910	742729	Transistor - Type 2SC1383
TR912	741855	Transistor - Type 2SC829
TR913	741862	Transistor - Type 2SC1047
TR914	741855	Transistor - Type 2SC829
TR915	741855	Transistor - Type 2SC829
TR916	741855	Transistor - Type 2SC829
TR917	741863	Transistor - Type 2SA564
TR918	741863	Transistor - Type 2SA564
TR919	741855	Transistor - Type 2SC829
VR152	742810	10000 Ohm, Linear, Semi Var
VR201	742811	100000 Ohm, Linear, Var w/Pwr Switch
VR202	742811	100000 Ohm, Linear, Var w/Pwr Switch
VR203	741894	100000 Ohm, Linear, Var
VR301	742811	100000 Ohm, Linear, Var w/Pwr Switch
VR302	742811	100000 Ohm, Linear, Var w/Pwr Switch
VR304	742813	40 Ohm, Linear, Var
VR404	742813	40 Ohm, Linear, Var
VR801	741880	10000 Ohm, Linear, Var with Switch
VR901	741891	5000 Ohm, Linear, Semi Var
VR902	741891	5000 Ohm, Linear, Semi Var
VR903	742812	10000 Ohm, Linear, Semi Var
X801	742767	Crystal - 11.050 MHZ
X901	742768	Crystal - 10.595 MHZ
X902	742769	Crystal - 10.240 MHZ
		MECHANICAL COMPONENTS
AJ	741984	Connector-Jack (Antenna)
AJ901	742771	Connector - ANT
CN151J	741957	Connector-Jack
CN151P	741959	Connector-Plug
CN201J	741958	Connector-Jack
CN201P	741959	Connector-Plug
CN801J	741953	Connector-Jack
CN801P	741954	Connector-Plug
CN802	742773	Connector - Plug (7P)
F	170541	Fuse - 3 AMP
M15	742815	Plate/Back
M19	741969	Guide, Dial Pointer
M20	742816	Base - Dial Pointer
M24	741987	Cord-Pwr. D.C.
M25	742817	Escutcheon Assem
M25-2	742818	Plate - Dial
M25-3	742819	Pad
M26	742820	Holder - Pilot Lamp
M27	742821	Cap - Illumination
M28	742785	Knob - (CH)
M29	741961	Knob - (Delta Tune)

Continued on Page 47

SYMB. NO.	STOCK NO.	DESCRIPTION
M30	741962	Knob - (Squelch Control)
M31	742788	Button - Push
M32	741964	Knob-Band Sel.
M33	741965	Knob-Bal. Cont.
M38	741985	Joint
M46	742822	Holder - Meter
M47	742823	Holder
M48	742824	Stud
M49	742825	Lead - Speaker (FL)
M50	742826	Lead - Speaker (FR)
M51	742827	Lead - Speaker (RL)
M52	742828	Lead - Speaker (RR)
M53	742775	Connector - Jack (CN802)
M54	742829	Lead - Shorting (Red)
M55	742830	Lead - Shorting (Blue)
M58	742792	Board PC - Jointer (7 Wires)
M59	742793	Board PC - Jointer (8 Wires)
M61	742831	Lead - Mike
M62	741988	Cord-Pwr. D.C.
M83	742798	Board PC - Flexible (For Switch)
M84	742832	Board PC - Flexible (For LED)
M90	741943	Tun Assem-Inc (L51/53/54/102/103/106
M90-1	741944	Joint
M90-2	741945	Button,Push
M90-3	741946	Spring
M90-4	742814	Joint - Universal
M801	741948	Meter-D.C.
PL701	741949	Lamp-Pilot
PL702	741949	Lamp-Pilot
		ACCESSORIES
A1	741979	Microphone-C B
A2	742802	Lead - Extension (Speaker)
A3	742803	Lead - Extension (Speaker)
A4	742833	Lead - Extension (Speaker)
A5	742834	Lead - Extension (Speaker)
A6	741974	Panel-Decoration
A7	741976	Gasket
A8	741980	Holder-Microphone
A9	742801	Clamp - Cord
A10	742005	Strap-Supporting
A11	741977	Knob-Tone and Fader Cont
A12	741978	Knob-Tuning and Volume Cont
		CAPACITORS
C51	741991	8 pf +/-0.5 pf, 50 v, Ceramic
C52	742041	15 pf, 10%, 50 v, CER
C53	741991	8 pf + /-0.5 pf, 50 v, Ceramic
C54	740831	10 pf, 50 v, CER Disc
C55	437395	10 pf, 5%, 50 v, Ceramic
C56	742733	6 pf, .5%, 50 v CER
C57	741889	6 pf, Trimmer
C58	423553	3 pf, 50 v, CER.
C59	742059	18 pf, 10%, 50 v, CER
C60	742028	.01 uF + 100% - 0%, 50 v, CER
C61	741991	8 pf +/-0.5 pf, 50 v, Ceramic
C62	742028	.01 uF + 100% - 0%, 50 v, CER
C63	742043	2 pf + /-.25 pf, 50 v, CER
C64	742060	12 pf, 5%, 50 v, CER
C65	741889	6 pf, Trimmer
C66	423553	3 pf, 50 v, CER
C67	742058	27 pf, 10%, 50 v, CER
C68	423332	270 pf, 10%, 50 v, CER. Plate
C69	742028	.01 uF + 100% - 0%, 50 v, CER
C70	423553	3 pf, 50 v, CER.
C71	742044	1 pf + /-.25 pf, 50 v, CER
C72	437366	39 pf, 5%, 50 v, CER.
C73	742028	.01 uF + 100% - 0%, 50 v, CER
C74	423553	3 pf, 50 v, CER.
C75	741890	5 pf, Trimmer
C76	742030	.0047 uF, 10%, 50 v, Film Polyester
C77	423553	3 pf, 50 v, CER.
C78	742028	.01 uF + 100% - 0%, 50 v, CER
C79	742024	1 uF, 50 v, Elyt
C80	742028	.01 uF + 100% - 0%, 50 v, CER
C101	742743	50 pf, Trimmer
C102	742041	15 pf, 10%, 50 v, CER
C103	428517	.0018 uF, 10%, 50 v, Film
C104	425332	270 pf, 10%, 50 v, CER. Plate
C105	742050	.047 uF, 20%, 50 v, Film Polyester
C106	742050	.047 uF, 20%, 50 v, Film Polyester
C107	742744	65 pf, Trimmer
C108	427797	390 pf, 50 v, 10%, CER. Plate
C109	742036	82 pf, 10%, 50 v, CER
C110	742027	.01 uF, 20%, 50 v, Film Polyester
C111	437375	.0022 uF, 10%, 50 v, Film Mylar
C112	437375	.0022 uF, 10%, 50 v, Film Mylar
C113	742027	.01 uF, 20%, 50 v, Film Polyester
C114	742056	180 pf, 5%, 50 v, CER
C115	741887	70 pf, Trimmer
C116	742027	.01 uF, 20%, 50 v, Film Polyester
C117	742047	33 uF, 10 v, Elyt
C118	742024	1 uF, 50 v, Elyt
C119	742056	180 pf, 5%, 50 v, CER
C120	742050	.047 uF, 20%, 50 v, Film Polyester
C121	742027	.01 uF, 20%, 50 v, Film Polyester
C122	742027	.01 uF, 20%, 50 v, Film Polyester
C151	742028	.01 uF + 100% -0%, 50 v, CER.
C152	742028	.01 uF + 100% -0%, 50 v, CER.
C153	742026	.022 uF, 20%, 50 v, Film Polyester
C154	742028	.01 uF + 100% - 0%, 50 v, CER
C155	742028	.01 uF + 100% - 0%, 50 v, CER
C156	742051	.033 uF, 20%, 50 v, Film Polyester
C157	742056	180 pf, 5%, 50 v, CER
C158	742056	180 pf, 5%, 50 v, CER
C159	742056	180 pf, 5%, 50 v, CER
C160	742049	4.7 uF, 25 v, Elyt
C161	742028	.01 uF + 100% - 0%, 50 v, CER
C162	742045	100 uF, 10 v, Elyt
C163	742021	100 uF, 16 v, Elyt
C171	742023	10 uF, 16 v, Elyt
C172	742023	10 uF, 16 v, Elyt
C173	742023	10 uF, 16 v, Elyt
C174	742050	.047 uF, 20%, 50 v, Film Polyester
C175	742024	1 uF, 50 v, Elyt
C176	742735	.47 uF, 35 v, Tant
C177	742736	.22 uF, 35 v, Tant
C178	742051	.033 uF, 20%, 50 v, Film Polyester
C179	742051	.033 uF, 20%, 50 v, Film Polyester
C180	742737	390 pf, 5%, 125 v, Film Polyester
C181	742021	100 uF, 16 v, Elyt
C182	742024	1 uF, 50 v, Elyt
C183	742024	1 uF, 50 v, Elyt

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SYMB. NO.	STOCK NO.	DESCRIPTION
C202	742736	.22 uF, 35 v, Tant
C203	742024	1 uF, 50 v, Elyt
C204	742021	100 uF, 16 v, Elyt
C205	742047	33 uF, 10 v, Elyt
C206	425332	270 pf, 10%, 50 v, CER.
C207	428517	.0018 uF, 10%, 50 v, Film Polyester
C208	742023	10 uF, 16 v, Elyt
C209	741878	.2 uF, 20%, 12 v, Ceramic
C210	742065	.1 uF, 20%, 50 v, Film Polyester
C211	740845	470 uF, 16 v, Elect
C302	742736	.22 uF, 35 v, Tant
C303	742024	1 uF, 50 v, Elyt
C304	742021	100 uF, 16 v, Elyt
C305	742047	33 uF, 10 v, Elyt
C306	425332	270 pf, 10%, 50 v, CER.
C307	428517	.0018, 10%, 50 v, Film Polyester
C308	742023	10 uF, 16 v, Elyt
C309	741878	.2 uF, 20%, 12 v, Ceramic
C310	742065	.1 uF, 20%, 50 v, Film Polyester
C311	740845	470 uF, 16 v, Elect
C601	427797	390 pf, 50 v, 10%, CER. Plate
C602	437360	.018 uF, 10%, 50 v, Film Mylar
C603	742056	180 pf, 5%, 50 v, CER
C604	742037	68 pf, 10%, 50 v CER
C605	742050	.047 uF, 20%, 50 v, Film Polyester
C606	742048	33 uF, 6 v, Elyt
C607	436923	10 MF, 10%, 10 v, Tant
C608	436923	10 MF, 10%, 10 v, Tant
C609	170543	.015 uF, 10%, 50 v, Film Mylar
C610	742056	180 pf, 5%, 50 v, CER
C611	742037	68 pf, 10%, 50 v, CER
C612	742027	.01 uF, 20%, 50 v, Film Polyester
C613	742031	.001 uF, 10%, 50 v, Film Polyester
C614	437361	.0027 uF, 10%, 50 v, Film Mylar
C615	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C616	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C618	742031	.001 uF, 10%, 50 v, Film Polyester
C619	742052	.01 uF, +80%, —20%, 50 v, CER, H1-K
C701	742067	1000 uF, 16 v, Elyt
C801	742042	12 pf, 10%, 50 v, CER
C802	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C803	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C804	742029	.01 uF, 10%, 50 v, CER
C805	742024	1 uF, 50 v, Elyt
C806	742029	.01 uF, 10%, 50 v, CER
C807	742037	68 pf, 10%, 50 v, CER
C808	740831	10 pf, 50 v, CER, Disc
C809	742029	.01 uF, 10%, 50 v, CER
C810	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C811	742043	2 pf + /- .25 pf, 50 v, CER
C812	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C813	423296	5 pf, 10%, 50 v, CER
C814	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C815	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C816	742039	33 pf, 10%, 50 v, CER
C817	742029	.01 uF, 10%, 50 v, CER
C818	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C821	742033	220 pf, 10%, 50 v, CER
C822	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C823	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C824	742023	10 uF, 16 v, Elyt
C825	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C826	742027	.01 uF, 20%, 50 v, Film Polyester
C827	742024	1 uF, 50 v, Elyt
C828	742030	.0047 uF, 10%, 50 v, Film Polyester
C829	742033	220 pf, 10%, 50 v, CER
C851	742021	100 uF, 16 v, Elyt
C852	742023	10 uF, 16 v, Elyt
C854	742037	68 pf, 10%, 50 v, CER
C855	742031	.001 uF, 10%, 50 v, Film Polyester
C856	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C857	742040	22 pf, 10%, 50 v, CER
C858	742058	27 pf, 10%, 50 v, CER
C859	742039	33 pf, 10%, 50 v, CER
C861	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C862	742023	10 uF, 16 v, Elyt
C863	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C871	742024	1 uF, 50 v, Elyt
C872	742023	10 uF, 16 v, Elyt
C873	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C874	742023	10 uF, 16 v, Elyt
C875	742022	47 uF, 16 v, Elyt
C876	742025	.1 uF, 20%, 12 v, CER
C877	742024	1 uF, 50 v, Elyt
C878	742024	1 uF, 50 v, Elyt
C879	742026	.022 uF, 20%, 50 v, Film Polyester
C881	742025	.1 uF, 20%, 12 v, CER
C882	742025	.1 uF, 20%, 12 v, CER
C883	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C884	437387	33 MF, 16 v, Electric (Radial)
C901	742034	120 pf, 10%, 50 v, CER
C902	742055	270 pf, 5%, 50 v, CER
C903	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C904	742033	220 pf, 10%, 50 v, CER
C905	742055	270 pf, 5%, 50 v, CER
C906	742034	120 pf, 10%, 50 v, CER
C907	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C908	742739	220 uF, 16 v, Elyt
C909	742037	68 pf, 10%, 50 v, CER
C910	742039	33 pf, 10%, 50 v, CER
C911	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C912	742033	220 pf, 10%, 50 v, CER
C913	742025	.1 uF, 20%, 12 v, CER
C914	742039	33 pf, 10%, 50 v, CER
C915	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C916	742035	100 pf, 10%, 50 v, CER
C917	126918	47 uF, 10 v, Elect
C919	425836	33 pf, 50 v, Ceramic
C920	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C921	742039	33 pf, 10%, 50 v, CER
C922	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C924	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C929	742740	33 pf, 5%, 50 v, CER
C930	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C936	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C939	741991	8 pf + / -0.5 pf, 50 v, Ceramic
C940	742038	47 pf, 10%, 50 v, CER
C941	742029	.01 uF, 10%, 50 v, CER
C942	742042	12 pf, 10%, 50 v, CER
C943	742036	82 pf, 10%, 50 v, CER
C944	742031	.001 uF, 10%, 50 v, Film Polyester
C945	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C946	742038	47 pf, 10%, 50 v, CER
C953	126918	47 uF, 10 v, Elect
C954	742025	.1 uF, 20%, 12 v, CER
C955	742037	68 pf, 10%, 50 v, CER
C956	436923	10 MF, 10%, 10 v, Tant
C957	436925	.1 MF, 10%, 35 v, Tant
C958	245245	47 pf, 5%, 75 v, CER. Plate
C959	423299	10 pf, 10%, 50 v, CER. Disc.

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SYMB. NO.	STOCK NO.	DESCRIPTION
C960	423299	10 pf, 10%, 50 v, CER. Disc.
C961	742033	220 pf, 10%, 50 v, CER
C962	427831	150 pf, 50 v, 10%, CER. Plate
C963	742025	.1 uF, 20%, 12 v, CER
C964	742039	33 pf, 10%, 50 v, CER
C965	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C966	742066	.001i uF, 10%, 50 v, CER, H1-K
C967	740831	10 pf, 50 v, CER, Disc
C968	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C969	742040	22 pf, 10%, 50 v, CER
C970	742040	22 pf, 10%, 50 v, CER
C971	742039	33 pf, 10%, 50 v, CER
C972	742031	.001 uF, 10%, 50 v, Film Polyester
C973	742024	1 uF, 50 v, Elyt
C974	742743	50 pf, Trimmer
C975	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C976	126918	47 uF, 10 v, Elect
C977	742036	82 pf, 10%, 50 v, CER
C978	742052	.01 uF + 80% - 20%, 50 v, CER, H1-K
C990	742024	1 uF, 50 v, Elyt
CF151	741909	Filter-Ceramic
CF152	741909	Filter-Ceramic
CF801	741908	Filter-Ceramic
CF901	742762	Filter - Ceramic
CF902	742763	Filter - Ceramic
CS701	742738	Capacitor Assem-1000 pf, X3, Feed Thru
CS703	742738	Capacitor Assem-1000 pf, X3, Feed Thru
D51	741868	Diode - Type Special
D101	742730	Diode - Type Special
D102	742730	Diode - Type Special
D103	741864	Diode - Type MA150
D151	741866	Diode - Type Special
D152	741866	Diode - Type Special
D153	741869	Diode - Type Special
D155	741864	Diode - Type MA150
D501	742731	Diode - Type Special
D502	742731	Diode - Type Special
D503	742731	Diode - Type Special
D504	742731	Diode - Type Special
D505	742731	Diode - Type Special
D506	742731	Diode - Type Special
D507	742731	Diode - Type Special
D508	742731	Diode - Type Special
D509	742731	Diode - Type Special
D510	742731	Diode - Type Special
D511	742731	Diode - Type Special
D512	742731	Diode - Type Special
D513	742731	Diode - Type Special
D514	742731	Diode - Type Special
D701	741865	Diode - Type Special
D801	741864	Diode - Type MA150
D802	741864	Diode - Type MA150
D803	741866	Diode - Type Special
D804	741864	Diode - Type MA150
D805	741866	Diode - Type Special
D806	741866	Diode - Type Special
D807	741864	Diode - Type MA150
D808	741864	Diode - Type MA150
D809	741864	Diode - Type MA150
D810	741867	Diode - Type MA 1100
D901	741864	Diode - Type MA150
D902	741865	Diode - Type Special

SYMB. NO.	STOCK NO.	DESCRIPTION
D903	741864	Diode - Type MA150
D904	741864	Diode - Type MA150
D905	741864	Diode - Type MA150
D908	742732	Diode - Type Special
D909	741864	Diode - Type MA150
IC151	741852	IC - Type Special
IC152	742723	IC - Type AN362
IC201	741854	IC - Type AN214
IC301	741854	IC - Type AN214
IC901	742724	IC - Type Special
IC902	742725	IC - Type Special
IC903	742726	IC - Type Special
IC904	742727	IC - Type Special
IFT51	741910	Transformer - IF
IFT101	742752	Transformer - IF
IFT102	742753	Transformer - IF
IFT103	742754	Transformer - IF
IFT104	742755	Transformer - IF
IFT151	741911	Transformer - IF
IFT152	741912	Transformer - IF
IFT801	742756	Transformer - IF
IFT802	742756	Transformer - IF
IFT803	742757	Transformer - IF
IFT804	741913	Transformer - IF
L52	741916	Coil-Series
L55	741921	Coil RF
L104	742748	Coil - Loading
L106	741916	Coil-Series
L107	741915	Coil-OSC. A.M.
L701	742749	Coil - Choke
L802	742750	Coil - RF
L803	742750	Coil - RF
L804	741916	Coil-Series
L901	741905	Coil-R.F.
L902	741905	Coil-R.F.
L903	742751	Coil - RF
L904	741904	Coil-R.F.
L905	742751	Coil - RF
L906	741906	Coil-Cyoke, R.F.
L907	741905	Coil-R.F.
		All Resistors fixed carbon 1/8 watt unless otherwise noted
R51	108865	1000 Ohm, 5%, 1/4 w, Comp
R52	427563	3900 Ohm, 5%, 1/4 w, Comp
R53	243078	4700 Ohm, 5%, 1/4 w, Film
R54	108864	470 Ohm, 5%, 1/4 w, Comp
R55	108869	15000 Ohm, 5%, 1/4 w, Comp
R56	427563	3900 Ohm, 5%, 1/4 w, Comp
R57	108865	1000 Ohm, 5%, 1/4 w, Comp
R58	219459	1500 Ohm, 5%, 1/4 w, Comp
R59	427563	3900 Ohm, 5%, 1/4 w, Comp
R60	108869	15000 Ohm, 5%, 1/4 w, Comp
R61	108864	470 Ohm, 5%, 1/4 w, Comp
R62	232388	390000 Ohm, 5%, 1/4 w, Comp
R63	223769	100000 Ohm, 5%, 1/4 w, Comp
R64	108861	100 Ohm, 5%, 1/4 w, Comp
R65	108864	470 Ohm, 5%, 1/4 w, Comp
R66	108861	100 Ohm, 5%, 1/4 w, Comp
R101	219458	330 Ohm, 5%, 1/4 w, Comp

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SYMB. NO.	STOCK NO.	DESCRIPTION
R103	219458	330 Ohm, 5%, 1/4 w, Comp
R104	241860	22000 Ohm, 5%, 1/4 w, Film
R106	218758	220 Ohm, 5%, 1/4 w, Comp
R107	219460	1800 Ohm, 5%, 1/4 w, Comp
R108	113524	2700 Ohm, 5%, 1/4 w, Comp
R109	108870	18000 Ohm, 5%, 1/4 w, Comp
R110	108865	1000 Ohm, 5%, 1/4 w, Comp
R111	108866	2200 Ohm, 5%, 1/4 w, Comp
R112	241860	22000 Ohm, 5%, 1/4 w, Film
R113	108869	15000 Ohm, 5%, 1/4 w, Comp
R114	219458	330 Ohm, 5%, 1/4 w, Comp
R115	243078	4700 Ohm, 5%, 1/4 w, Film
R116	239466	82,000 Ohm, 5%, 1/4 w, Film
R117	108863	270 Ohm, 5%, 1/4 w, Comp
R118	243078	4700 Ohm, 5%, 1/4 w, Film
R151	219467	27000 Ohm, 5%, 1/4 w, Comp
R152	243078	4700 Ohm, 5%, 1/4 w, Film
R153	249430	680 Ohms, 5%, 1/4 w, Film
R154	108865	1000 Ohm, 5%, 1/4 w, Comp
R155	219458	330 Ohm, 5%, 1/4 w, Comp
R156	108865	1000 Ohm, 5%, 1/4 w, Comp
R157	108865	1000 Ohm, 5%, 1/4 w, Comp
R159	108865	1000 Ohm, 5%, 1/4 w, Comp
R160	427563	3900 Ohm, 5%, 1/4 w, Comp
R161	427563	3900 Ohm, 5%, 1/4 w, Comp
R162	108861	100 Ohm, 5%, 1/4 w, Comp
R163	223769	100000 Ohm, 5%, 1/4 w, Comp
R164	742809	56 Ohm, 5%, 1 w, Metal Oxide
R171	223769	100000 Ohm, 5%, 1/4 w, Comp
R172	249531	33,000 Ohm, 2%, 1/4 w, Film
R173	113524	2700 Ohm, 5%, 1/4 w, Comp
R174	108865	1000 Ohm, 5%, 1/4 w, Comp
R175	108865	1000 Ohm, 5%, 1/4 w, Comp
R176	218499	10000 Ohm, 5%, 1/4 w, Comp
R177	108871	47000 Ohm, 5%, 1/4 w, Comp
R178	426199	56000 Ohm, 5%, 1/4 w, Comp
R179	108865	1000 Ohm, 5%, 1/4 w, Comp
R180	107972	3300 Ohm, 5%, 1/4 w, Comp
R181	107972	3300 Ohm, 5%, 1/4 w, Comp
R182	219467	27000 Ohm, 5%, 1/4 w, Comp
R183	108866	2200 Ohm, 5%, 1/4 w, Comp
R184	108866	2200 Ohm, 5%, 1/4 w, Comp
R185	218758	220 Ohm, 5%, 1/4 w, Comp
R186	228878	56 Ohm, 5%, 1/4 w, Comp
R187	108865	1000 Ohm, 5%, 1/4 w, Comp
R202	249531	33,000 Ohm, 2%, 1/4 w, Film
R203	426199	56000 Ohm, 5%, 1/4 w, Comp
R204	241860	22000 Ohm, 5%, 1/4 w, Film
R205	228878	56 Ohm, 5%, 1/4 w, Comp
R206	227741	560 Ohm, 5%, 1/4 w, Comp
R302	249531	33,000 Ohm, 2%, 1/4 w, Film
R303	426199	56000 Ohm, 5%, 1/4 w, Comp
R304	241860	22000 Ohm, 5%, 1/4 w, Film
R305	228878	56 Ohm, 5%, 1/4 w, Comp
R306	227741	560 Ohm, 5%, 1/4 w, Comp
R501 THRU R514	742741	RES Module-7 Resistors, 1800 Ohm Ea.
R601	429826	4700 Ohm, 5%, 1/8 w, Comp
R602	429830	22000 Ohm, 5%, 1/8 w, Comp
R603	436537	330000 Ohm, 5%, 1/8 w, Comp
R604	433324	1000000 Ohm, 5%, 1/8 w, Comp
R605	429829	15,000 Ohm, 1/8 w, 5%, Comp
R606	429824	2200 Ohm, 1/8 w, 5%, Comp
R607	429829	15,000 Ohm, 1/8 w, 5%, Comp
R608	433324	1000000 Ohm, 5%, 1/8 w, Comp
R609	429830	22000 Ohm, 5%, 1/8 w, Comp
R610	433324	1000000 Ohm, 5%, 1/8 w, Comp
R611	429835	220000 Ohm, 5%, 1/8 w, Comp
R612	429820	470 Ohm, 1/8 w, 5%, Comp
R614	433324	1000000 Ohm, 5%, 1/8 w, Comp
R615	436536	680000 Ohm, 5%, 1/8 w, Comp
R616	436536	680000 Ohm, 5%, 1/8 w, Comp
R617	429836	470,000 Ohm, 1/8 w, 5%, Comp
R618	423244	270000 Ohm, 5%, 1/8 w, Comp
R619	429826	4700 Ohm, 5%, 1/8 w, Comp
R620	427816	33,000 Ohms, 1/8 w, 5%, Comp
R621	429836	470,000 Ohm, 1/8 w, 5%, Comp
R622	433324	1000000 Ohm, 5%, 1/8 w, Comp
R623	430554	3900 Ohm, 1/8 w, 5%, Comp
R624	429832	39000 Ohm, 5%, 1/8 w, Comp
R625	741881	150,000 Ohm, 5%, 1/8 w, Comp
R626	433324	1000000 Ohm, 5%, 1/8 w, Comp
R627	429828	10000 Ohm, 5%, 1/8 w, Comp
R801	246910	100 Ohm, 5%, 1/8 w, Comp
R802	246910	100 Ohm, 5%, 1/8 w, Comp
R803	433122	220 Ohms, 5%, 1/8 w, Comp
R804	429830	22000 Ohm, 5%, 1/8 w, Comp
R805	423241	120000 Ohm, 5%, 1/8 w, Comp
R806	433122	220 Ohms, 5%, 1/8 w, Comp
R807	429834	100,000 Ohm, 1/8 w, 5%, Comp
R808	741884	56 Ohm, 5%, 1/8 w, Comp
R809	429821	680 Ohm, 1/8 w, 5%, Comp
R810	429834	100,000 Ohm, 1/8 w, 5%, Comp
R811	428612	1000 Ohm, 5%, 1/8 w, Comp
R812	428612	1000 Ohm, 5%, 1/8 w, Comp
R813	435413	180000 Ohm, 5%, 1/8 w, Comp
R814	502156	560 Ohms, 5%, 1/2 w, Comp
R821	427815	1500 Ohm, 1/8 w, 5%, Comp
R822	429824	2200 Ohm, 1/8 w, 5%, Comp
R823	425269	47,000 Ohm, 5%, 1/8 w, Comp
R824	428612	1000 Ohm, 5%, 1/8 w, Comp
R825	429824	2200 Ohm, 1/8 w, 5%, Comp
R826	425266	3300 Ohm, 5%, 1/8 w, Comp
R827	428613	12000 Ohm, 5%, 1/8 w, Comp
R828	741883	270 Ohm, 5%, 1/8 w, Comp
R829	741882	330 Ohm, 5%, 1/8 w, Comp
R830	422020	5600 Ohm, 5%, 1/8 w, Comp
R831	436537	330000 Ohm, 5%, 1/8 w, Comp
R832	425269	47,000 Ohm, 5%, 1/8 w, Comp
R833	429830	22000 Ohm, 5%, 1/8 w, Comp
R834	429830	22000 Ohm, 5%, 1/8 w, Comp
R835	433323	82000 Ohm, 5%, 1/8 w, Comp
R836	427816	33,000 Ohm, 1/8 w, 5%, Comp
R837	427816	33,000 Ohms, 1/8 w, 5%, Comp
R838	429821	680 Ohm, 1/8 w, 5%, Comp
R851	429826	4700 Ohm, 5%, 1/8 w, Comp
R852	428612	1000 Ohm, 5%, 1/8 w, Comp
R853	433122	220 Ohms, 5%, 1/8 w, Comp
R854	429820	470 Ohm, 1/8 w, 5%, Comp
R855	429828	10000 Ohm, 5%, 1/8 w, Comp
R856	425266	3300 Ohm, 5%, 1/8 w, Comp
R857	433312	2.2 Ohms, 5%, 1/4 w, Comp
R861	427816	33,000 Ohms, 1/8 w, 5%, Comp
R862	429824	2200 Ohm, 1/8 w, 5%, Comp
R863	429831	27000 Ohm, 5%, 1/8 w, Comp
R864	433323	82000 Ohm, 5%, 1/8 w, Comp
R865	427815	1500 Ohms, 1/8 w, 5%, Comp
R866	429826	4700 Ohm, 5%, 1/8 w, Comp
R867	742742	390000 Ohm, 5%, 1/8 w, Comp

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SYMB. NO.	STOCK NO.	DESCRIPTION
R868	429835	220,000 Ohm, 1/8 w, 5%, Comp
R869	433122	220 Ohms, 5%, 1/8 w, Comp
R870	428612	1000 Ohm, 5%, 1/8 w, Comp
R871	429824	2200 Ohm, 1/8 w, 5%, Comp
R872	429824	2200 Ohm, 1/8 w, 5%, Comp
R873	429824	2200 Ohm, 1/8 w, 5%, Comp
R874	429826	4700 Ohm, 5%, 1/8 w, Comp
R875	426376	10 Ohms, 5%, 1/8 w, Comp
R901	429826	4700 Ohm, 5%, 1/8 w, Comp
R902	430554	3900 Ohm, 5%, 1/8 w, Comp
R903	741884	56 Ohm, 5%, 1/8 w, Comp
R904	229667	270 Ohm, 5%, 1 w, Film
R905	227741	560 Ohm, 5%, 1/4 w, Comp
R906	246910	100 Ohm, 5%, 1/8 w, Comp
R907	426232	10 Ohm, 5%, 1/4 w, Comp
R908	246910	100 Ohm, 5%, 1/8 w, Comp
R909	429828	10000 Ohm, 5%, 1/8 w, Comp
R910	425266	3300 Ohm, 5%, 1/8 w, Comp
R911	246910	100 Ohm, 5%, 1/8 w, Comp
R912	429828	10000 Ohm, 5%, 1/8 w, Comp
R913	425266	3300 Ohm, 5%, 1/8 w, Comp
R914	433463	150 Ohms, 5%, 1/8 w, Comp
R915	433463	150 Ohms, 5%, 1/8 w, Comp
R916	428612	1000 Ohm, 5%, 1/8 w, Comp
R917	429821	680 Ohm, 1/8 w, 5%, Comp
R926	433122	220 Ohms, 5%, 1/8 w, Comp
R927	429819	390 Ohm, 1/8 w, 5%, Comp
R928	429834	100,000 Ohm, 1/8 w, 5%, Comp
R929	429831	27000 Ohm, 5%, 1/8 w, Comp
R930	428613	12000 Ohm, 5%, 1/8 w, Comp
R931	429821	680 Ohm, 1/8 w, 5%, Comp
R932	429820	470 Ohm, 1/8 w, 5%, Comp
R933	426376	10 Ohms, 5%, 1/8 w, Comp
R934	429826	4700 Ohm, 5%, 1/8 w, Comp
R935	422021	6800 Ohm, 5%, 1/8 w, Comp
R936	433122	220 Ohms, 5%, 1/8 w, Comp
R937	429820	470 Ohm, 1/8 w, 5%, Comp
R938	429828	10000 Ohm, 5%, 1/8 w, Comp
R939	429826	4700 Ohm, 5%, 1/8 w, Comp
R940	429828	10000 Ohm, 5%, 1/8 w, Comp
R941	429828	10000 Ohm, 5%, 1/8 w, Comp
R942	741882	330 Ohm, 5%, 1/8 w, Comp
R943	433323	82000 Ohm, 5%, 1/8 w, Comp
R953	433122	220 Ohms, 5%, 1/8 w, Comp
R963	433123	560 Ohms, 5%, 1/8 w, Comp
R964	427816	33,000 Ohms, 1/8 w, 5%, Comp
R966	430554	3900 Ohm, 1/8 w, 5%, Comp
R967	430554	3900 Ohm, 1/8 w, 5%, Comp
R968	429834	100,000 Ohm, 1/8 w, 5%, Comp
R969	433463	150 Ohms, 5%, 1/8 w, Comp
R971	429828	10000 Ohm, 5%, 1/8 w, Comp
R972	429828	10000 Ohm, 5%, 1/8 w, Comp
R973	246910	100 Ohm, 5%, 1/8 w, Comp
R974	433123	560 Ohms, 5%, 1/8 w, Comp
R975	433417	18000 Ohm, 5%, 1/8 w, Comp
R976	422020	5600 Ohm, 5%, 1/8 w, Comp
R977	432105	820 Ohm, 5%, 1/8 w, Comp
R978	246910	100 Ohm, 5%, 1/8 w, Comp
R979	427816	33,000 Ohms, 1/8 w, 5%, Comp
R980	428612	1000 Ohm, 5%, 1/8 w, Comp
R981	246910	100 Ohm, 5%, 1/8 w, Comp
R982	422021	6800 Ohm, 5%, 1/8 w, Comp
R983	429829	15,000 Ohm, 1/8 w, 5%, Comp
R984	246910	100 Ohm, 5%, 1/8 w, Comp
R985	428612	1000 Ohm, 5%, 1/8 w, Comp
R986	425269	47,000 Ohm, 5%, 1/8 w, Comp
R987	431026	1200 Ohm, 1/8 w, 5%, Fixed Comp
R989	429832	39000 Ohm, 5%, 1/8 w, Comp
R990	433123	5600 Ohms, 5%, 1/8 w, Comp
R991	429824	2200 Ohm, 1/8 w, 5%, Comp
R992	429821	680 Ohm, 1/8 w, 5%, Comp
R993	429825	2700 Ohm, 1/8 w, 5%, Comp
R995	429834	100,000 Ohm, 1/8 w, 5%, Comp
R996	429834	100,000 Ohm, 1/8 w, 5%, Comp
R997	433417	18000 Ohm, 5%, 1/8 w, Comp
SW51	742764	Switch - Selector (AM/FM)
SW52	742764	Switch - Selector (AM/FM)
SW701	741895	100,000 Ohm - Var w/Pwr SW
SW802	741880	10000 Ohm, Linear Var. w/Switch
SW803	742765	Switch - Selector
SW904	741927	Switch-Monitor On/Off
SW905	742766	Switch - Selector
T801	742759	Transformer-RF
T802	741896	Transformer - RF
T902	741896	Transformer - RF
T903	741896	Transformer - RF
T904	741896	Transformer - RF
T906	742760	Transformer - RF
T907	742761	Transformer - RF
T908	742760	Transformer - RF
TR51	741862	Transistor - Type 2SC1047
TR52	741862	Transistor - Type 2SC1047
TR53	741855	Transistor - Type 2SC829
TR101	742728	Transistor - Type 2SC2076
TR102	741855	Transistor - Type 2SC829
TR103	741855	Transistor - Type 2SC829
TR151	741855	Transistor - Type 2SC829
TR152	169771	Transistor - Type 2SC828
TR801	741860	Transistor - Type 3SK49
TR802 THRU		
TR805	741855	Transistor - Type 2SC829
TR806	742729	Transistor - Type 2SC1383
TR807	741856	Transistor - Type 2SC1318
TR810	741855	Transistor - Type 2SC829
TR811 THRU		
TR813	169771	Transistor - Type 2SC828
TR901	742970	Transistor — Type 2SC1974
TR902	741858	Transistor - Type 2SC1973
TR903	741855	Transistor - Type 2SC829
TR904	741855	Transistor - Type 2SC829
TR905	741860	Transistor - Type 3SK49
TR906	741855	Transistor - Type 2SC829
TR907	741855	Transistor - Type 2SC829
TR908	169771	Transistor - Type 2SC828
TR909	169771	Transistor - Type 2SC828
TR910	742729	Transistor - Type 2SC1383
TR912	741855	Transistor - Type 2SC829
TR913	741862	Transistor - Type 2SC1047
TR914	741855	Transistor - Type 2SC829
TR915	741855	Transistor - Type 2SC829
TR916	741855	Transistor - Type 2SC829
TR917	741863	Transistor - Type 2SA564
TR918	741863	Transistor - Type 2SA564
TR919	741855	Transistor - Type 2SC829

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SYMB. NO.	STOCK NO.	DESCRIPTION
VR153	742746	2000 Ohm, Linear, Semi-Var
VR201	741895	100,000 Ohm - Var, w/Pwr, SW
VR202	741895	100,000 Ohm - Var, w/Pwr, SW
VR203	742747	20000 Ohm, Linear, Var
VR301	741895	100,000 Ohm - Var, w/Pwr, SW
VR302	741895	100,000 Ohm - Var, w/Pwr,SW
VR801	741880	10,000 Ohm - Var, w/Pwr, SW
VR901	741891	5000 Ohm, Linear, Semi Var.
VR902	741891	5000 Ohm, Linear, Semi Var.
VR903	742812	10000 Ohm, Linear, Semi Var.
X801	742767	Crystal - 11.050 MHZ
X901	742768	Crystal - 10.595 MHZ
X902	742769	Crystal - 10.24 MHZ
		MECHANICAL COMPONENTS
AJ	742772	Connector - ANT
AJ901	742771	Connector - ANT
CN801J	742774	Connector - Jack (3P)
CN801P	741954	Connector-Plug
CN802J	742775	Connector - Jack (7P)
CN802P	742773	Connector - Plug
CN901	742776	Connector - Jack (Mike)
F	170541	3 AMP
M1	742777	Connector
M10	742778	Plate - Back
M11	742779	Holder - Pilot Lamp
M13	742780	Holder - Pilot Lamp
M14	742781	Escutcheon Assem
M14-1	742782	Knob - Selector
M14-2	742783	Shaft - Selector
M14-3	742784	Spring
M15	742785	Knob - (CH)
M16	742786	Knob

SYMB. NO.	STOCK NO.	DESCRIPTION
M17	742787	Knob
M18	742788	Button - Push
M19	742789	Lamp - Panel
M24	742790	Joint Assem
M29	742791	Pointer - Dial
M31	742792	Board - PC - Jointer (7 Wires)
M32	742793	Board PC Jointer (8 Wires)
M34	742794	Cord - Pwr (DC)
M35	741988	Cord-Pwr. D.C.
M36	741994	Cable-Speaker
M37	741995	Cable-Speaker
M40	742824	Stud
M42	742795	Holder - Meter
M43	742796	Holder
M47	741923	Core - Tunner (Ferrite)
M53	742797	Clamp (Cord)
M66	742798	Board - PC - Flexible (For Switch)
M67	742799	Board - PC (Flexible) (Forled)
M68	742800	Collar - Shaft
M80	742770	Tuner Assem
M801	741948	Meter-D.C.
PL701	741949	Lamp-Pilot
PL702	741949	Lamp-Pilot
		ACCESSORIES
A1	741980	Holder-Microphone
A3	741978	Knob-Tuning and Volume Cont
A4	741977	Knob-Tone and Fa der Cont
A7	742801	Clamp - Cord
A12	742802	Cable - Extension-(Spkr)
A13	742803	Cable - Extension-(Spkr)
A17	742804	Plate - Trim
A18	742805	Gasket
A19	741979	Microphone-C B
A21	742806	Strap - Supporting
A22	742807	Bracket - Mounting
A23	742808	Kit-1 MTG, Screw/1 H Nut, 5MM/4, H Nuts