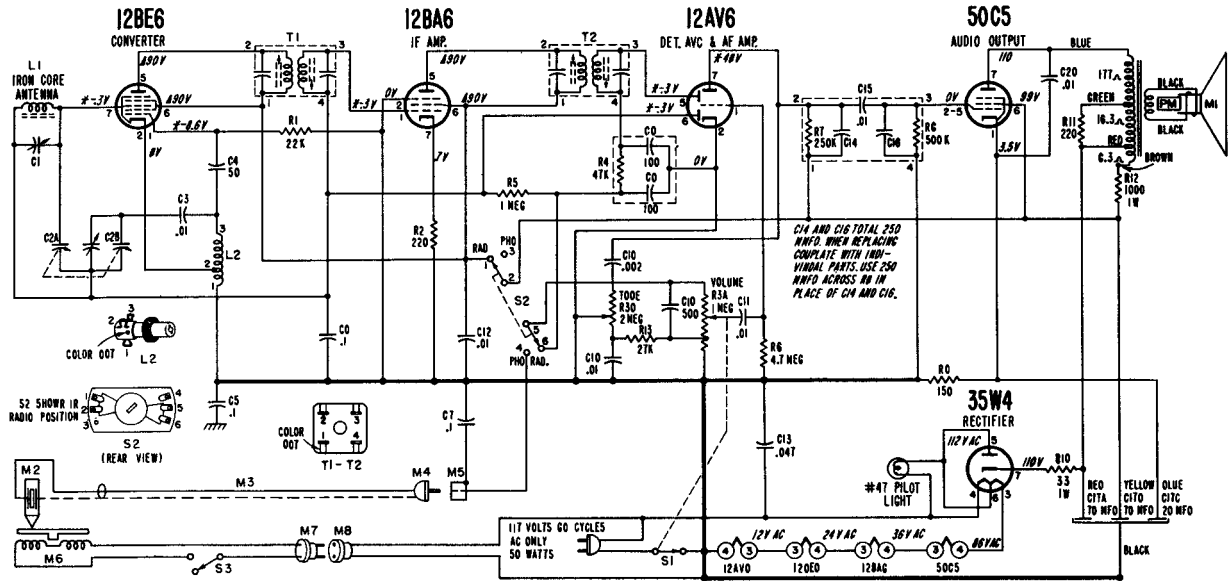


MANUAL OF 1953 MOST-OFTEN-NEEDED RADIO DIAGRAMS

Admiral

CHASSIS 5D3
MODELS 5D31, 5D32, 5D33



IF = 455 KC

COMMON GND. (0-) —

CHASSIS GND. —

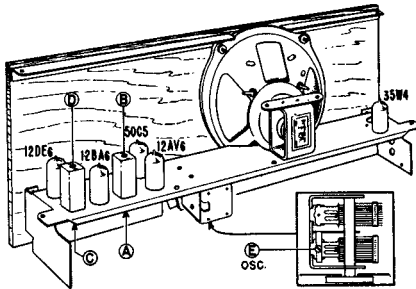
All readings made between tube socket terminals and B minus (terminal of On-Off switch).

*These readings will be lower if taken with a 1000 ohms-per-volt meter.

▲These readings will be zero on "Phono"; other DC readings may be slightly higher.

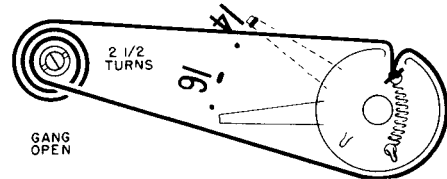
OPERATING VOLTAGE

117 volts, 60 cycles AC only; 50 watts



TUBE AND TRIMMER LOCATION

Adjustments A and C made from underside of chassis. Adjustment F on antenna.



Solid lines show dial stringing and pointer position with tuning gang open. Dashed lines show pointer position (1400KC) when tuning gang is tuned to a generator signal.

ALIGNMENT PROCEDURE

- Turn receiver volume control full on.
- Antenna must be connected and placed in the same relative position to the chassis as when in cabinet.
- Use an isolation transformer; otherwise, connect a .1 mfd. capacitor in series with low side of signal generator and connect to chassis. Caution: Do not connect a ground wire directly to chassis.
- Connect output meter across speaker voice coil.
- Use lowest output of signal generator necessary to produce midscale meter indication and proceed in the following sequence.
- Repeat adjustments to insure good results.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	.001 mfd. capacitor	Tuning capacitor, antenna stator	455 KC	Gang fully open	2nd IF 1st IF	*A, B *C, D	Maximum output
2	.001 mfd. capacitor	Tuning capacitor, antenna stator	1620 KC	Gang fully open	Oscillator	E	Maximum output
3	Loop of several turns of wire, or place generator leads close to receiver antenna for adequate signal pickup.	No actual connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna	†F	Maximum output

* Adjustments A and C made from the underside of the chassis. If IF transformers have hollow core slugs, these adjustments may all be made from the top of chassis, if you use alignment tool #98A30-7 obtainable from your Admiral distributor. The bottom IF slug adjustment may be reached through the hollow core in the upper slug. If IF transformers have slotted tuning slugs, use an alignment tool with a blade 3/32" wide.

† Antenna Trimmer "F" should be aligned after chassis and antenna are mounted in cabinet.