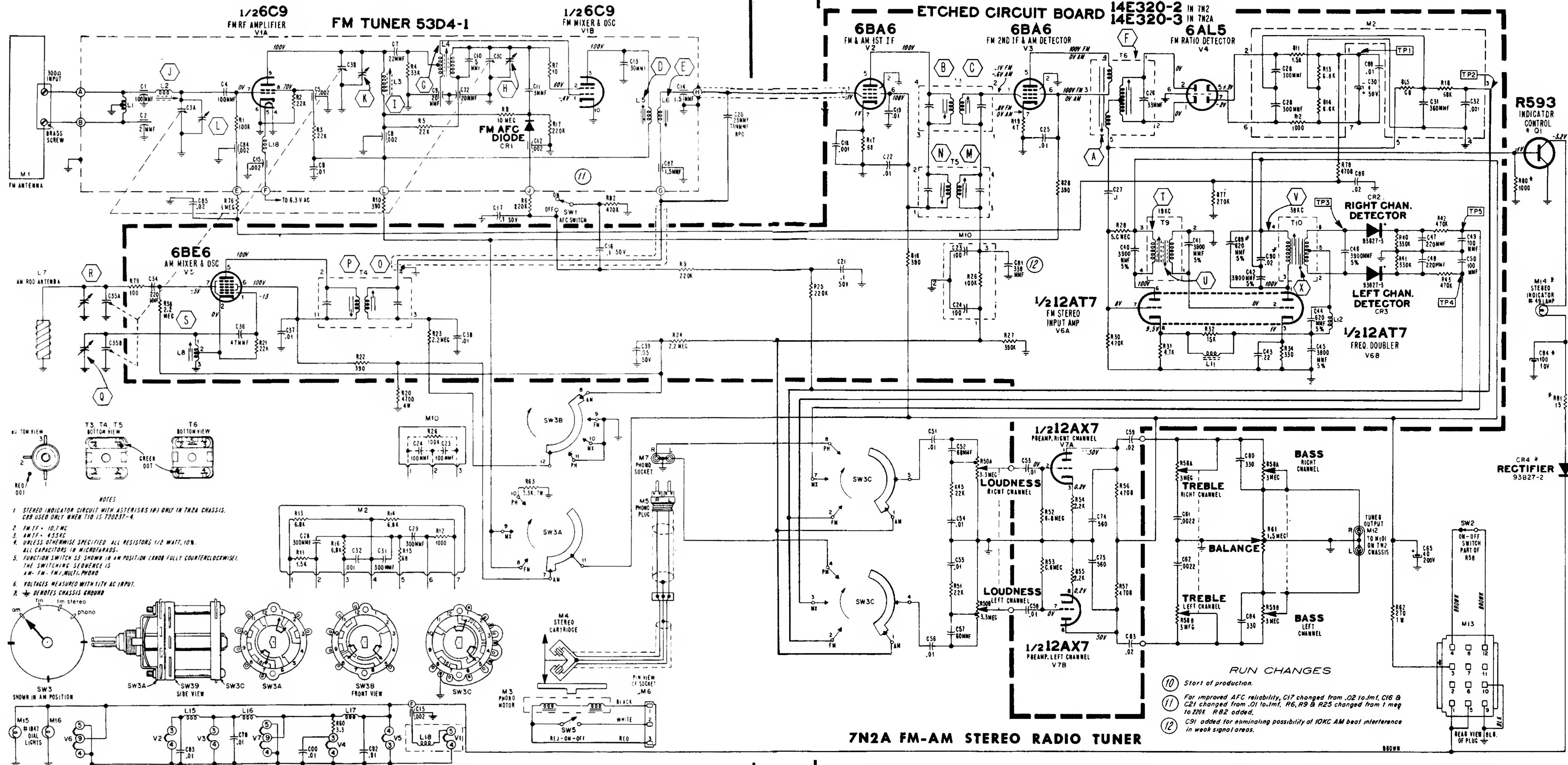


ADMIRAL Model 7N2A FM-AM Stereo Radio Tuner



SERVICING FM STEREO

Trouble shooting can be accomplished by making voltage measurements without a signal. Signal tracing is possible with an oscilloscope and an FM stereo generator applying a pilot signal to the antenna. Signal tracing is also possible by injecting a 19KC CW signal at pin 7 of V6A.

7N2 SCHEMATIC

The 7N2A schematic shown above can be used for servicing the 7N2 chassis if you will note the following exceptions: the 7N2 does not have transistor Q1, stereo indicator lamp M14, rectifier CR4 and other associated wiring and com-

ponents of the FM Stereo Indicator circuit.

Addition of the FM Stereo Indicator circuit to the 7N2 chassis is not recommended.

7N2A SCHEMATIC NOTES

1. Stereo indicator circuit with asterisks (*) only in 7N2A chassis. C89 used only when T10 is 72D237-4.
2. Unless otherwise specified: all resistors $\frac{1}{2}$ watt, 10%, all capacitors in microfarads.
3. All voltages measured with 117V AC input.

4. Function switch, S3, shown in AM position (knob fully clockwise). The switching sequence is AM - FM - FM Stereo - Phono.
5. $\perp$ denotes chassis ground.

RUN NUMBER CHANGES

7N2 chassis are not stamped with run numbers.
7N2A chassis were stamped RUN 10 at the start
of production.

The following changes were made at RUN 11 for improved AFC reliability:

C17 was changed from .02 to .1 mf, 50V ceramic.

C16 and C21 were changed from .01 to .1 mf,
50V ceramic.

R6, R9 and R25 were changed from 1 megohm to 220,000 ohms, 1/2 watt.

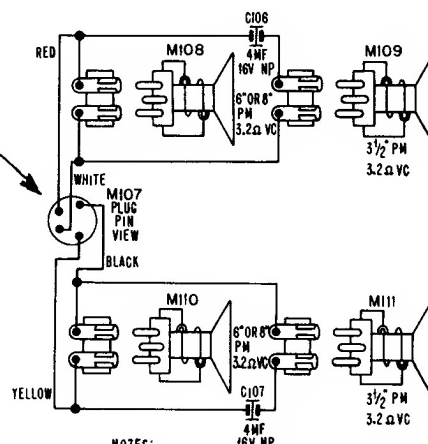
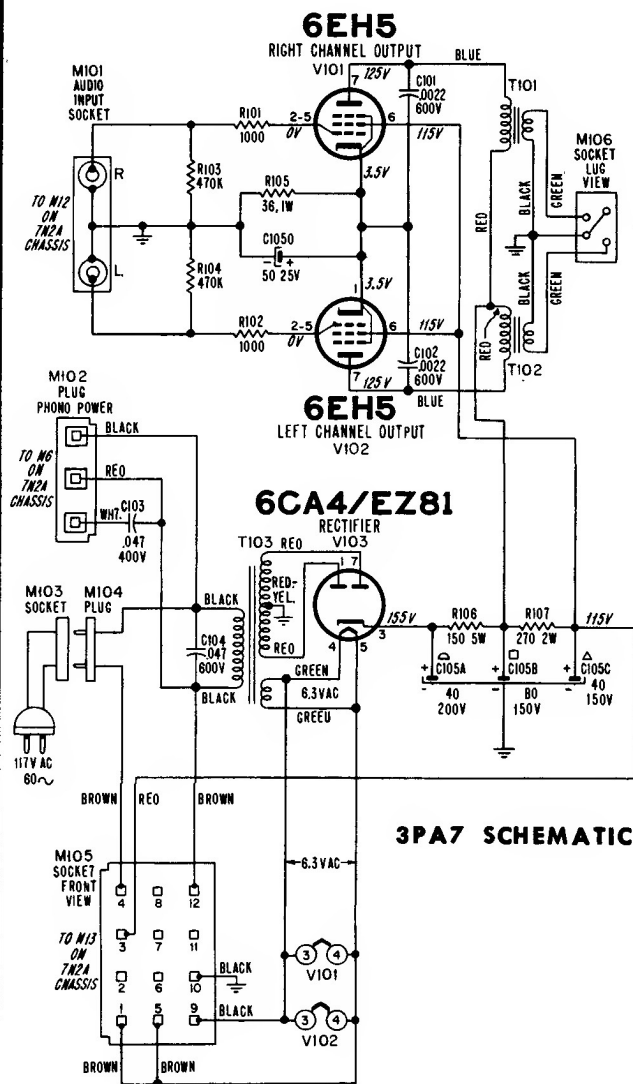
R82, 470,000 ohms, $\frac{1}{2}$ watt was added.

The following change was made at RUN 12 to eliminate possibility of 10KC AM beat interference in weak signal areas:

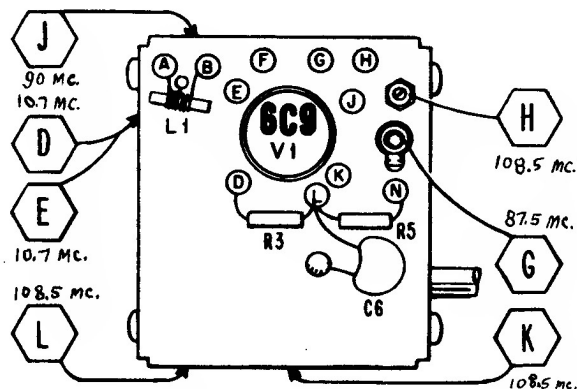
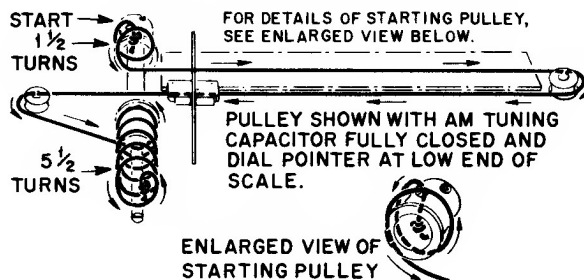
Added C91. 330 mmf ceramic disc.

ADMIRAL

7N2, 7N2A Tuner, 3PA7 Amplifier
Used in Models Y4461, A, Y4462, A,
Y4463, A, Y4481, A, Y4482, A,
Y4483, A, and Y4499, A.



DIAL STRINGING PROCEDURE



TOP VIEW OF 7N2A CHASSIS
ADJUSTMENTS INDICATED BY DASHED LINES ARE UNDER CHASSIS

TOP VIEW OF FM TUNER SHOWING ALIGNMENT LOCATIONS
D is located at rear of tuner.
E is accessible through hole for D. E is the slug nearest the escutcheon.
I is accessible through a hole in the bottom of the chassis (See chassis layout at left).