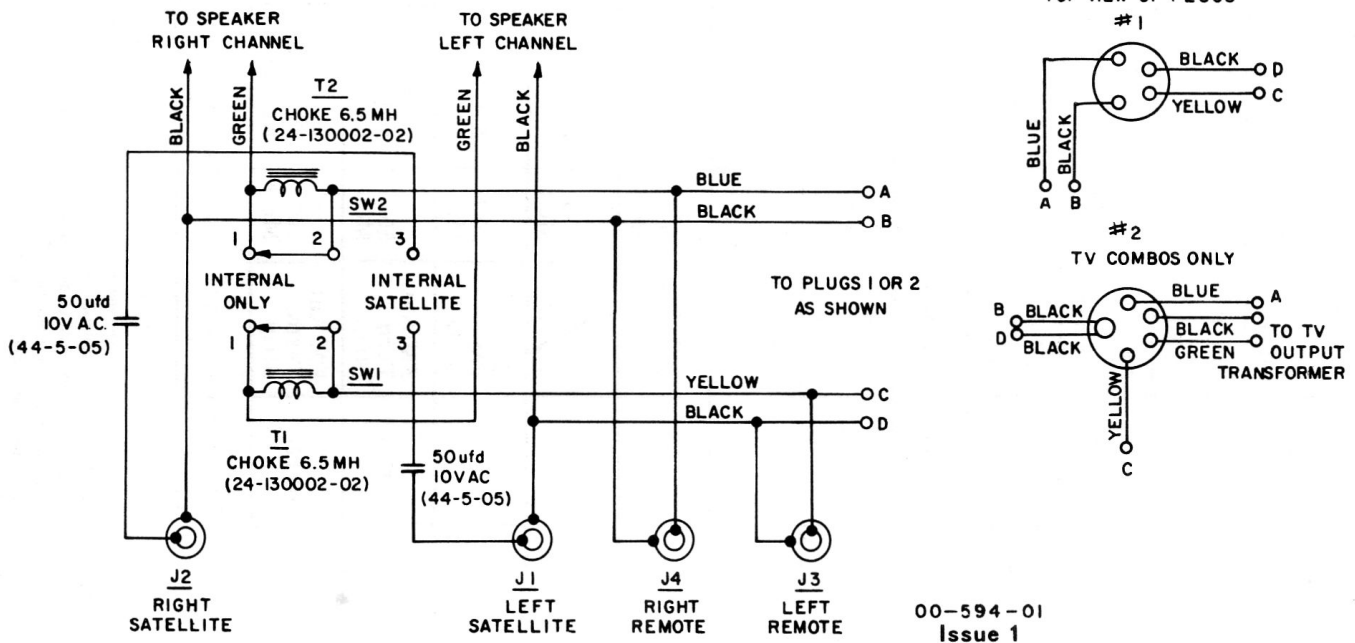
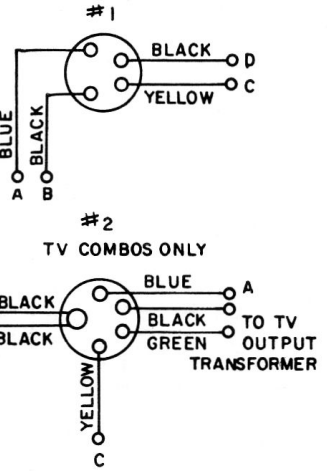
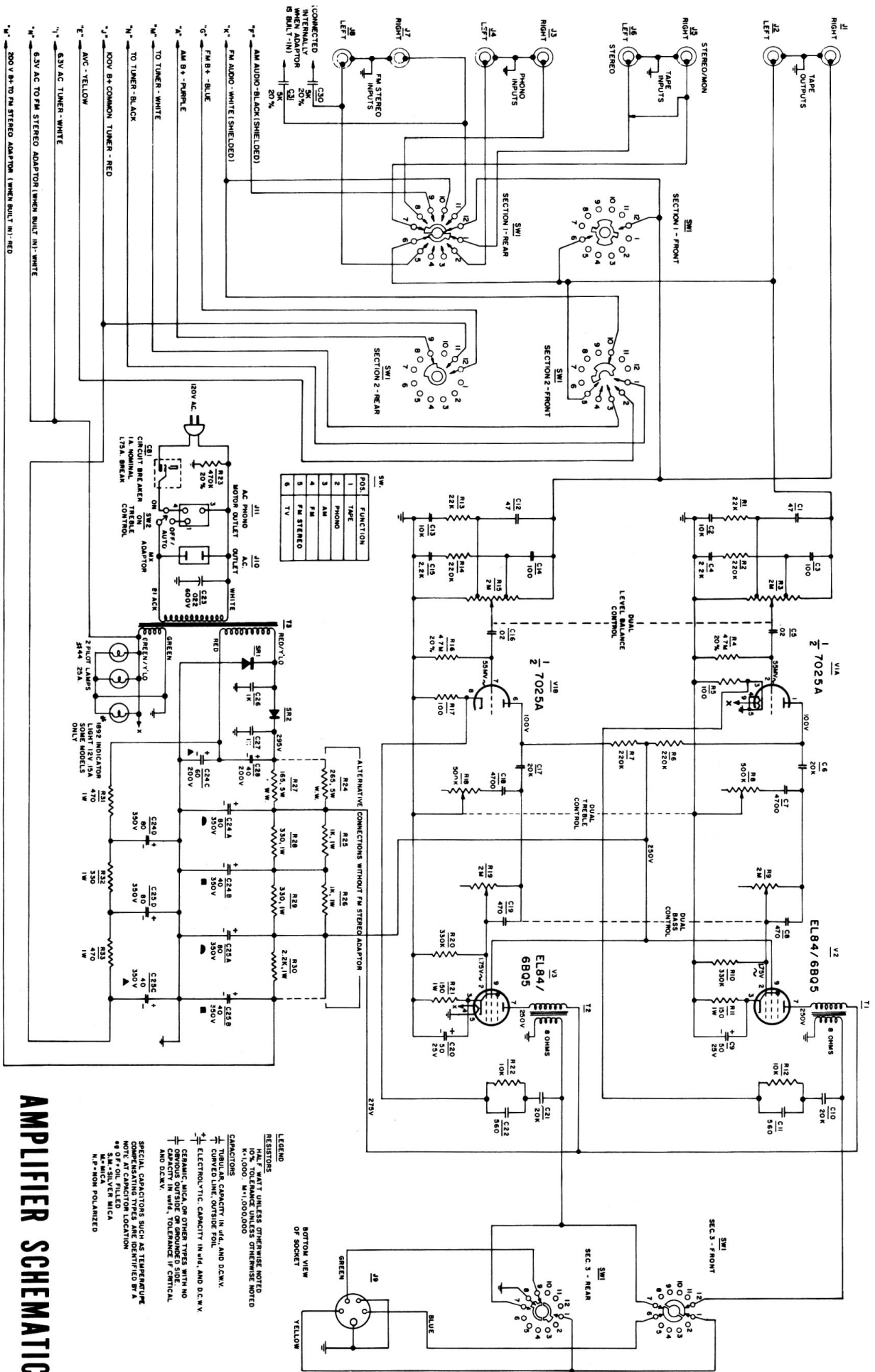


CROSSOVER SCHEMATIC



TOP VIEW OF PLUGS





AMPLIFIER SCHEMATIC

Electrohome Broadview A/M & Courtleigh MKII A/M

| STEP | DUMMY ANTENNA | SIGNAL APPLIED TO | FREQ | MODULATION | BAND SWITCH SETTING | DIAL POINTER SETTING | INDICATING METER | ADJUST | REMARKS | NOMINAL SENSITIVITY |
|------|---|------------------------|-----------|------------------------------|---------------------|--------------------------|----------------------|-------------------------------------|--|----------------------------|
| 1 | .05 uf | Pin #1 V3 6BA6 | 455 Kc/s | 400 C.P.S. AM at 30% | AM | 600 Kc/s | AC-VTVM To Point "I" | T7 2nd AM-IF | Adjust for maximum output | 3000 uv. for 70 Mv. output |
| 2 | .05 uf | Pin #7 V6 6BE6 | 455 Kc/s | 400 C.P.S. AM at 30% | AM | 600 Kc/s | AC-VTVM To Point "I" | T5 1st AM-IF | Adjust for maximum output | 100 uv. for 70 Mv. output |
| 3 | 200 uuf | AM Ant. Term. #1 Strip | 600 Kc/s | 400 C.P.S. AM at 30% | AM | 600 Kc/s | AC-VTVM To Point "I" | T10 and T9 AM-Osc. & AM Ant. | Connect for long wire ant. Adjust for Max. output*** | 35 uv. for 70 Mv. output |
| 4 | 200 uuf | AM Ant. Term. #1 Strip | 1400 Kc/s | 400 C.P.S. AM at 30% | AM | 1400 Kc/s | AC-VTVM To Point "I" | C2D and C2B Trimmers | Connect for long wire ant. Adjust for Max. output*** | 45 uv. for 70 Mv. output |
| 5 | Repeat steps 3 and 4, check band coverage at 535 Kc/s - 1650 Kc/s and for tracking at 950 Kc/s. | | | | | | | | | |
| 6 | — | Pin #1 V3 6BA6 | 10.7 Mc/s | Nil | FM | Point of no interference | DC-VTVM To Point "K" | T6, 3rd. FM-IF | Adjust for maximum meter deflection | 10000 uv. for 1V output |
| 7 | — | Pin #1 V3 6BA6 | 10.7 Mc/s | Nil | FM | Point of no interference | DC-VTVM To MX Output | T8 FM Ratio Det. Primary (Bo.1) | Adjust for maximum meter deflection | 1250 uv. for 1V output |
| 8 | — | Pin #1 V3 6BA6 | 10.7 Mc/s | Nil | FM | Point of no interference | DC-VTVM To MX Output | T5 FM Discriminator Secondary (Top) | Adjust for zero voltage. NOTE** | — |
| 9 | — | Pin #1 V2 6AU6A | 10.7 Mc/s | Nil | FM | Point of no interference | DC-VTVM To Point "K" | T4 2nd FM-IF | Adjust for maximum meter deflection | 160 uv. for 1V output |
| 10 | — | C1A FM Gang | 10.7 Mc/s | Nil | FM | Point of no interference | DC-VTVM To Point "K" | T3, 1st. FM-IF | Adjust for maximum meter deflection | — |
| 11 | NOTE * | FM Ant. Term. Strip | 90 Mc/s | 400 C.P.S. FM 22.5 Kc/s Dev. | FM | 90 Mc/s | AC-VTVM To Point "H" | T2 Slug and L3 coil | Adjust for maximum output | 3 uv. for 200 Mv. output |
| 12 | NOTE * | FM Ant. Term. Strip | 106 Mc/s | 400 C.P.S. FM 22.5 Kc/s Dev. | FM | 106 Mc/s | AC-VTVM To Point "H" | C1D and C1B Trimmers | Adjust for maximum output | 3 uv. for 200 Mv. output |
| 13 | Repeat steps 11 and 12 until output drops at least 20 db. when mod. is turned off. | | | | | | | | | |

NOTE: To achieve more accurate alignment of FM IF's and ratio detector it is preferable to use a proper sweep generator and oscilloscope.

* For FM dummy antenna connect one 150 ohm carbon resistor from grounded side of sig. gen. to antenna terminal and one 120 ohm carbon resistor from hot side of signal generator to antenna terminal.
NOTE: Input to set is one half, output reading of signal generator.

** With ground lead of DC VTVM connected to two 100 K resistors. To be temporarily connected in series across C31 (4 ufd CAP)

*** For AM-RF alignment purpose. The low impedance loop, installed in the cabinet or its electrical equivalent must be connected to the set as shown in the schematic.

AM-FM TUNER ALIGNMENT