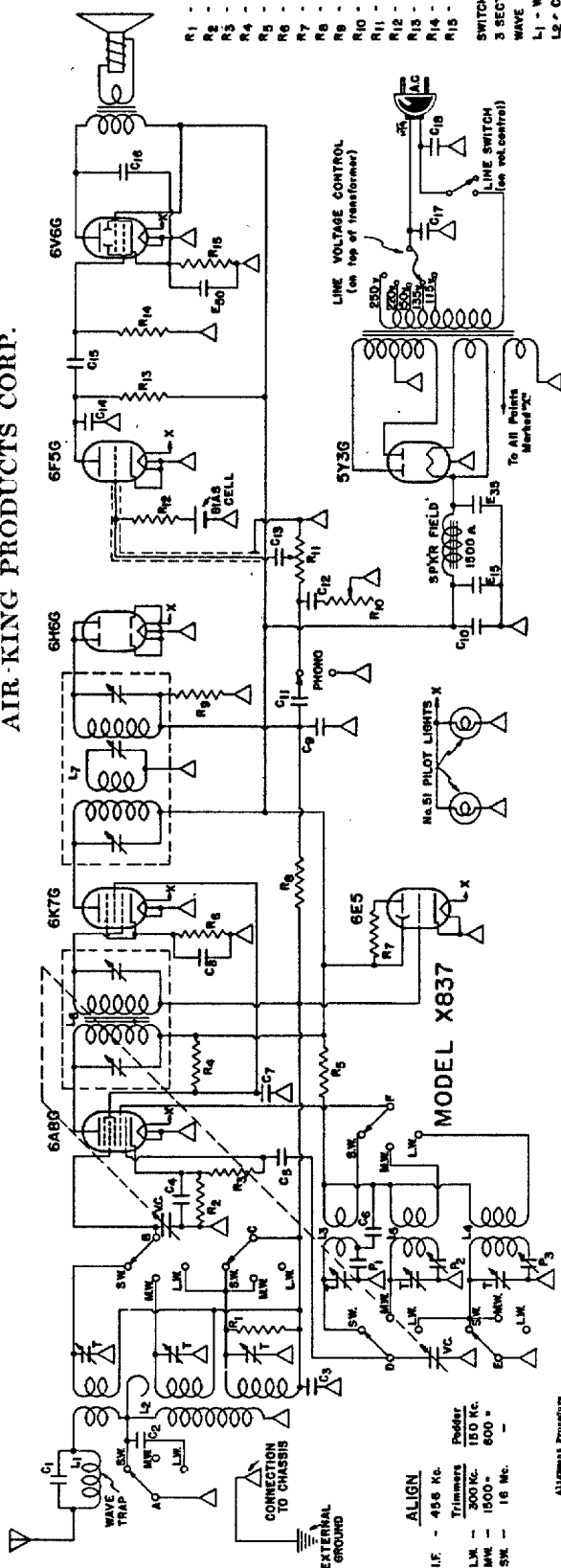


Air-King

MODEL X837
MODEL X837S



ALIGN
I.F. - 455 Kc.
L.W. - 300 Kc.
M.W. - 1500 Kc.
S.W. - 16 Mc.

ALIGNMENT PROCEDURE
1st Align I.F. at 455 Kc. as follows:
a. Turn center trimmer of second I.F. to maximum.
b. Turn center trimmer of first I.F. to maximum.
c. After tuning top and bottom trimmers to maximum, then tune the center trimmer.

ALIGNMENT PROCEDURE
2nd Align I.F. at 455 Kc. as follows:
a. Turn center trimmer of second I.F. to maximum.
b. Turn center trimmer of first I.F. to maximum.
c. After tuning top and bottom trimmers to maximum, then tune the center trimmer.

ALIGNMENT PROCEDURE
3rd Align I.F. at 455 Kc. as follows:
a. Turn center trimmer of second I.F. to maximum.
b. Turn center trimmer of first I.F. to maximum.
c. After tuning top and bottom trimmers to maximum, then tune the center trimmer.

P1 - 4700 MMF. PADDER
P2 - 500 MMF. MAX. PADDER
P3 - 300 - 3-35 MMF. TRIMMER

VC - 410 MMF. MAX. VARIABLE COND.

L1 - WAVE TRAP COIL
L2 - COMBINATION 3-BAND ANT. COIL
L3, L4 - COMBINATION 3-BAND OSC. COIL
L5 - M.W. OSCILLATOR COIL
L6 - IRON CORE INPUT I.F.
L7 - TRIPLE TUNED OUTPUT I.F.

| | | | |
|--------------------|----------|--------------|--------|
| R1 - 3,000,000 OHM | 1/4 WATT | C1 - .0005 | MICA |
| R2 - 250 | - | C2 - .00025 | - |
| R3 - 50,000 | - | C3 - .05 | 400 V. |
| R4 - 50,000 | 1/2 | C4 - .05 | - |
| R5 - 50,000 | - | C5 - .0001 | MICA |
| R6 - 400 | 1/4 | C6 - .02 | 400 V. |
| R7 - 1,000,000 | - | C7 - .05 | - |
| R8 - 3,000,000 | - | C8 - .05 | - |
| R9 - 500,000 | - | C9 - .00025 | MICA |
| R10 - 500,000 | - | C10 - .02 | 400 V. |
| R11 - 500,000 | - | C11 - .05 | - |
| R12 - 750,000 | 1/4 WATT | C12 - .05 | - |
| R13 - 500,000 | - | C13 - .02 | - |
| R14 - 500,000 | - | C14 - .00025 | MICA |
| R15 - 300 | - | C15 - .02 | 400 V. |
| | - | C16 - .01 | - |
| | - | C17 - .02 | - |
| | - | C18 - .02 | - |

SWITCHES A,B,C,D,E,F - 2 DECK: EACH DECK 3 SECTION, 1 TO 3 POSITION EACH SECTION.

WAVE BAND SWITCH.

L1 - WAVE TRAP COIL

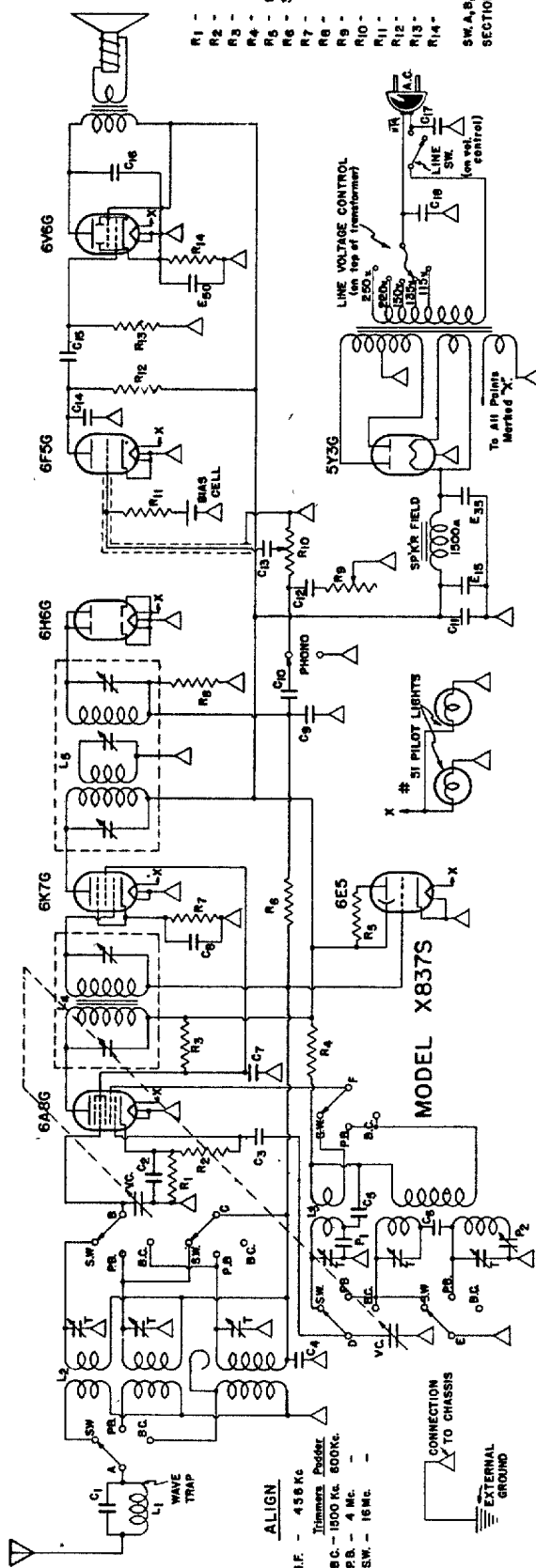
L2 - COMBINATION 3-BAND ANT. COIL

L3, L4 - COMBINATION 3-BAND OSC. COIL

L5 - M.W. OSCILLATOR COIL

L6 - IRON CORE INPUT I.F.

L7 - TRIPLE TUNED OUTPUT I.F.



ALIGN
I.F. - 455 Kc.
L.W. - 300 Kc.
M.W. - 1500 Kc.
S.W. - 16 Mc.

ALIGNMENT PROCEDURE
1st Align I.F. at 455 Kc. as follows:
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b. Turn center trimmer of first I.F. to maximum.
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ALIGNMENT PROCEDURE
2nd Align I.F. at 455 Kc. as follows:
a. Turn center trimmer of second I.F. to maximum.
b. Turn center trimmer of first I.F. to maximum.
c. After tuning top and bottom trimmers to maximum, then tune the center trimmer.

ALIGNMENT PROCEDURE
3rd Align I.F. at 455 Kc. as follows:
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L4 - IRON CORE INPUT I.F.
L5 - TRIPLE TUNED OUTPUT I.F.

| | | | | |
|----------------|-----|----------|--------------|--------|
| R1 - 250 | OHM | 1/4 WATT | C1 - .0005 | MICA |
| R2 - 50,000 | - | - | C2 - .05 | 400 V. |
| R3 - 50,000 | - | 1/2 | C3 - .0001 | MICA |
| R4 - 20,000 | - | - | C4 - .05 | 400 V. |
| R5 - 1,000,000 | - | 1/4 | C5 - .02 | - |
| R6 - 3,000,000 | - | - | C6 - .00025 | MICA |
| R7 - 400 | - | - | C7 - .05 | 400 V. |
| R8 - 500,000 | - | - | C8 - .05 | - |
| R9 - 500,000 | - | - | C9 - .00025 | MICA |
| R10 - 500,000 | - | - | C10 - .02 | 400 V. |
| R11 - 750,000 | - | 1/4 WATT | C11 - .05 | - |
| R12 - 500,000 | - | - | C12 - .02 | - |
| R13 - 500,000 | - | - | C13 - .02 | - |
| R14 - 300 | - | - | C14 - .00025 | MICA |
| | - | - | C15 - .02 | 400 V. |
| | - | - | C16 - .01 | - |
| | - | - | C17 - .02 | - |
| | - | - | C18 - .02 | - |

SWITCHES A,B,C,D,E,F - 2 DECK: EACH DECK 3 SECTION, 1 TO 3 POSITION EACH SECTION.

WAVE BAND SWITCH.

L1 - WAVE TRAP COIL

L2 - COMBINATION 3-BAND ANT. COIL

L3 - COMBINATION 3-BAND OSC. COIL

L4 - IRON CORE INPUT I.F.

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