

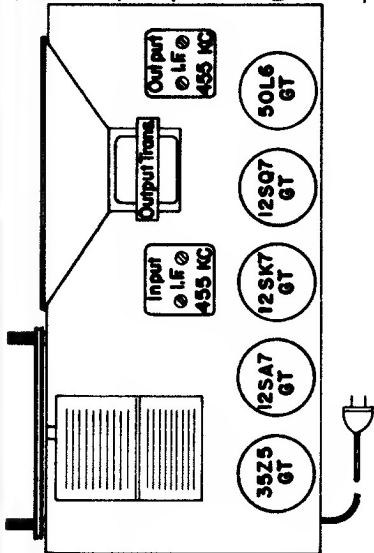
JOHN MECK INDUSTRIES, Inc., Plymouth, Indiana

I.F. ALIGNMENT: The step-by-step routine given below should be carefully followed after reading the preceding instructions:

1. The modulated oscillator must be tuned to 455 K.C.
2. Connect the high side of the oscillator output to the lug on the R.F. section of the gang condenser. The low side of the oscillator is connected to the chassis through a .01 condenser.
3. Set the gang condenser of the radio to 1720 on the dial and turn the volume control on full.
4. Adjust the four I.F. trimmers tuning each carefully to get the maximum deflection of the output meter. Reduce the oscillator output if the output meter goes off scale.
5. Repeat all four adjustments since the adjustment of each I.F. trimmer may effect the others to a certain extent.

VOLTAGE TABLE - Use high resistance voltmeter of 1000 ohms per volt

| Type tube | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------|---|------------|----|------------|------------|-----|--------|-------------|
| 12SA7 | 0 | 24AC | 78 | 78 | -7 to-12 | 0 | 12AC | -.65 to-1.2 |
| 12SK7 | 0 | 36AC | 0 | -.8 to-1.2 | 0 | 78 | 24AC | 78 |
| 12SQ7 | 0 | -.9 to-1.2 | 0 | 0 | -.8 to-1.2 | 55 | 12AC | 0 |
| 50L6 | 0 | -- | 95 | 78 | 0 | -- | 36AC | 4 to 5 |
| 35Z5 | - | 82 | -- | 78 | 115 AC | 100 | 115 AC | 110 |



| Circuit Symbol | Part Number | Description |
|------------------|-------------|--|
| C1, C2 | CV-10002 | Condenser-Variable, with pulley |
| C1, C2 | CV-10002-A | Condenser-Variable, with pulley |
| C1, C2 | CV-10002-B | Condenser-Variable, with pulley |
| C1, C2 | CV-10002-C | Condenser-Variable, with pulley |
| C3, C4, C10 | CP-14503 | Condenser-Paper, 0.05mfd. 400V |
| C5 | CM-15500 | Condenser-Mica, 0.00005mfd. |
| C6, C7 | CM-15251 | Condenser-Mica, 0.0025mfd. |
| C8, C9 | CP-14103 | Condenser-Paper, 0.01mfd. 400V |
| C11A, C11B, C11C | CL-10001 | Condenser-Electrolytic 20/20/20 mfd 150V |
| R1 | RC-32002 | Resistor-Carbon, 20,000 ohms 1/2 watt |
| R2 | RC-31005 | Resistor-Carbon, 10 megohms 1/2 watt |
| R3 | RC-32004 | Resistor-Carbon, 2 megohms 1/2 watt |
| R4 | VC-10103 | Control-Volume, with switch, 1 megohm |
| R5 | RC-32503 | Resistor-Carbon, 250,000 ohms 1/2 watt |
| R6 | RC-35003 | Resistor-Carbon, 500,000 ohms 1/2 watt |
| R7 | RC-31500 | Resistor-Carbon, 150 ohms 1/2 watt |
| R8 | RC-32000 | Resistor-Carbon, 200 ohms 1/2 watt |
| R9 | RC-31001 | Resistor-Carbon, 1000 ohms 1/2 watt |

CIRCUIT DIAGRAM

MODELS RC-5C5; RC-5C5-A; RC-5C5-B and RC-5C5-C

