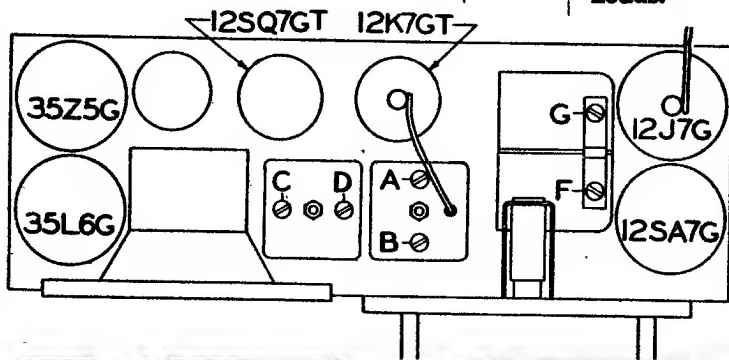


I.F. FREQUENCY 455 KC.

Circuit Diagram  
Models 6D520, 6D520W, 6D538

Chassis No. 6A26

| Operation | Connect Test Oscillator to             | Dummy Antenna | Input Signal Frequency | Band | Set Dial At | Trimmers   | Purpose                    |
|-----------|--|---------------|------------------------|------|-------------|------------|----------------------------|
| 1         | Converter Grid                         | .5 mfd.       | 455 Kc.                | BC   | 600 Kc.     | A, B, C, D | Align I. F.                |
| 2         | R. F. Grid                             | .5 mfd.       | 455 Kc.                | BC   | 600 Kc.     | E          | Adj. Wave Trap for Minimum |
| 3         | 1 Turn Loop Made from Generator Leads. | —             | 1600 Kc.               | BC   | 1600 Kc.    | F          | Set Oscillator to Scale    |
| 4         | Leads.                                 | —             | 1400 Kc.               | BC   | 1400 Kc.    | G          | Align Antenna              |



| DIAG. NO. | PART NO. | DESCRIPTION          | DIAG. NO. | PART NO. | DESCRIPTION             | DIAG. NO. | DESCRIPTION              |
|-----------|----------|----------------------|-----------|----------|-------------------------|-----------|--------------------------|
| C1        | 22-1006  | TWO-GANG VARIABLE    | R2        | 63-591   | 22M OHM                 | 4         | 1ST I.F. TRANS.          |
| C2        | 22-029   | .05 MFD.             | R3        | 63-1093  | 15 MEGOHM               | 5         | 2ND I.F. TRANS.          |
| C3        | 22-152   | .001 MFD.            | R4        | 63-500   | 2.2 MEGOHM              | 6         | PILOT LIGHT 6.3V. .15A   |
| C4        | 22-1017  | .05 MFD.             | R5        | 63-1419  | VOLUME CONTROL          | 7         | TONE CONTROL SWITCH      |
| C5        | 22-248   | .01 MFD.             | R6        | 63-713   | 47 M OHM                |           |                          |
| C6        | 22-285   | .01 MFD.             | R7        | 63-597   | 470 M OHM               |           |                          |
| C7        | 22-254   | .0005 MFD.           | R8        | 63-686   | 150 OHM WIREWOUND       |           |                          |
| C8        | 22-1102  | .01 MFD.             |           |          |                         | A         | 1ST I.F. TRANS. PRI      |
| C9        | 22-1014  | 20 MFD. ELECTROLYTIC |           |          |                         | B         | 1ST I.F. TRANS. SEC.     |
| C10       | 22-1014  | 20 MFD. ELECTROLYTIC |           |          |                         | C         | 2ND I.F. TRANS. PRI      |
|           |          |                      |           |          |                         | D         | 2ND I.F. TRANS. SEC.     |
|           |          |                      |           |          |                         | E         | WAVE TRAP                |
|           |          |                      |           |          |                         | F         | BROADCAST OSC. (ON GANG) |
|           |          |                      |           |          |                         | G         | BROADCAST ANT. (ON GANG) |
| R1        | 63-589   | 10M OHM              | 1         | S8356    | WAVE MAGNET ASSEMBLY    |           |                          |
|           |          |                      | 2         | S8326    | WAVE TRAP COIL ASSEMBLY |           |                          |
|           |          |                      | 3         | S8336    | OSC. COIL ASSEMBLY      |           |                          |