



Built-in Essentials and Accessories

FEATURES

- **Automatic Transmit Switching** puts transmitter "on-the-air" by closing the key.
- **Antenna Change Over Relay** automatically switches antenna between transmit and receive.
- **Receiver Mute** automatically mutes receiver while transmitting.
- **Built-In CW Sidetone** with adjustable level.
- **Spotting Function** enables receiver to tune to transmitter frequency without being "on-the-air."
- **Low Pass Filter** prevents TVI by reducing harmonics on TV channels.
- **Simplified Tuning** provided by broadband low level stages and fixed loading.
- **PA Plate Tuning only.**
- **Standby Position** can be used as a code practice oscillator when cabled to a receiver.
- **Delay control** varies delay between "key-up" and "receiver-on" from full "break-in" to about 4 seconds.
- **Built In Power Supply.**
- **VFO key** turns most VFO's off when key is up.
- **Plate Meter** red-lined for Novice power.

ACCESSORIES

- **Antenna Matching Network.**
- **Crystals.**

DRAKE **2-NT** **CW TRANSMITTER**

\$149⁰⁰ AMATEUR NET

SPECIFICATIONS

FREQUENCY COVERAGE: 3.50 to 3.80 MHz, 7.00 to 7.20 mHz, 14.00 to 14.25 mHz, 21.00 to 21.25 mHz, and 28.00 to 28.50 mHz crystal or VFO controlled.

MODES OF OPERATION: Break-in CW, Semi Break-in CW, or Manual CW with DRAKE 2-C Receiver or other receivers.

INPUT POWER: Variable to 100 watts.

OUTPUT IMPEDANCE: Nominal 52 ohms (SWR should be 2:1 or less).

CONTROLS AND JACKS:

Front: Key jack, band switch, 2 crystal sockets, power set, function switch, plate current meter, RF tune control, RF indicator lamp, side tone gain control, and delay control.

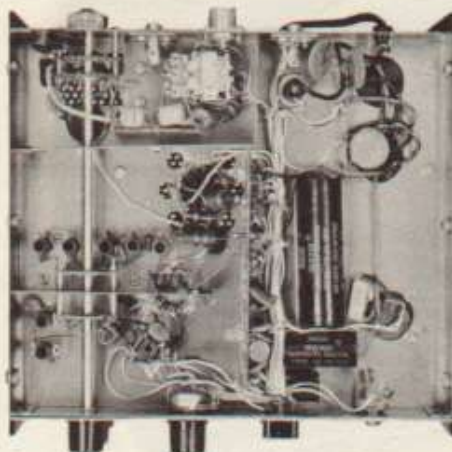
Rear: Antenna connector, mute jack, receiver antenna jack, sidetone jack, external switch jack and VFO key jack.

POWER REQUIREMENTS: 120 volts, 50 to 60 Hz at approximately 2.8 amperes.

DIMENSIONS: 9 $\frac{1}{8}$ " wide, 6 $\frac{1}{2}$ " high and 9 $\frac{1}{2}$ " deep, weight 12 $\frac{1}{2}$ lbs.

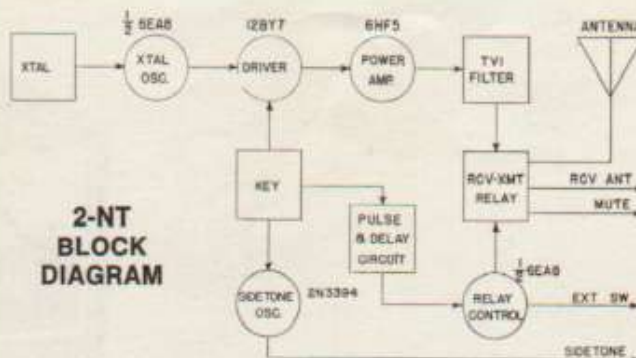
DRAKE
MODEL 2-NT

CW TRANSMITTER



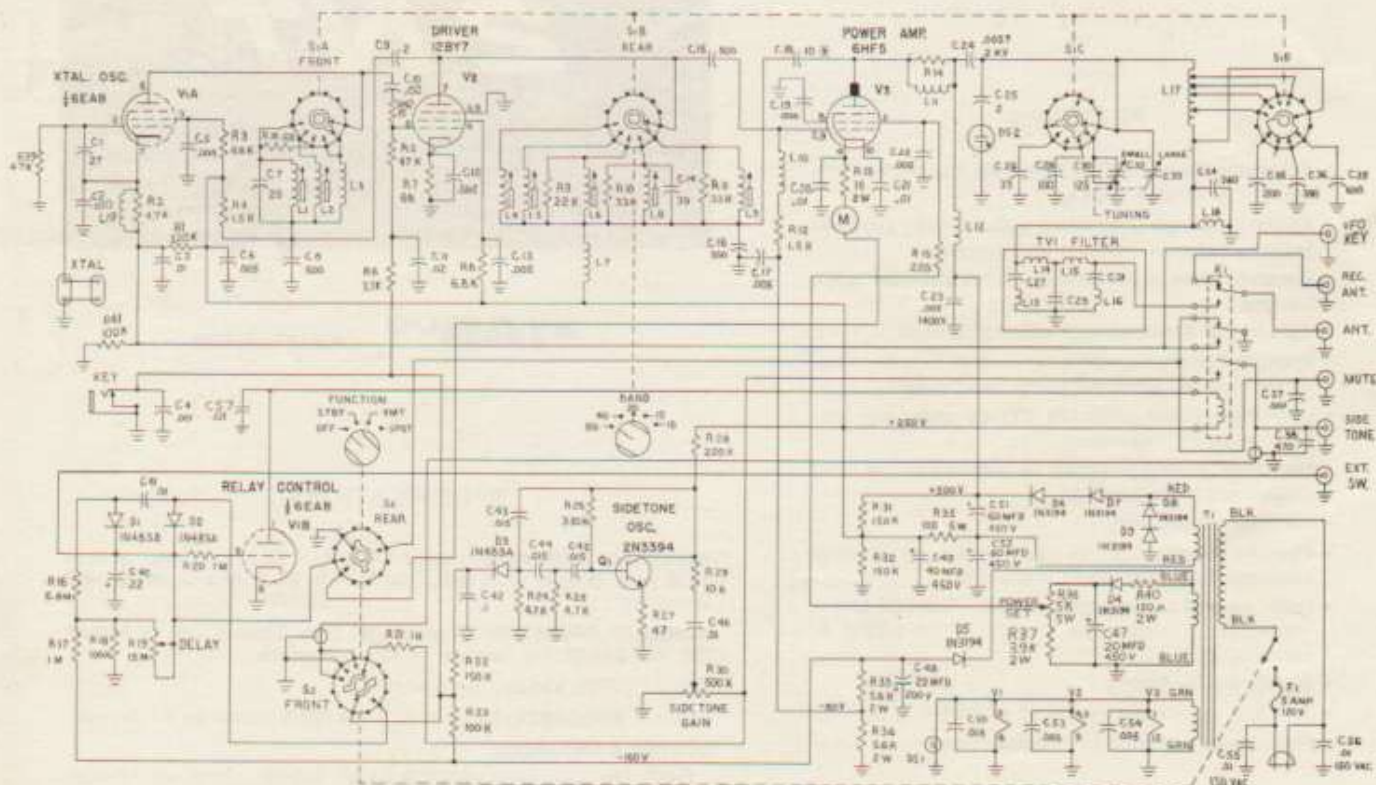
Bottom View of 2-NT Chassis

2-NT BLOCK DIAGRAM



TUBES AND SEMI-CONDUCTORS

1/2 6EA8	Crystal Oscillator	1N483A	Pulse Forming
1/2 6EA8	Relay Control	1N483A	Oscillator Switch
12BY7	Driver Amplifier	1N3194	Screen Rectifier
6HF5	Power Amplifier	1N3194	Bias Rectifier
2N3394	Sidetone Oscillator	(4) 1N3194	High Voltage Rectifier



NOTES: Capacitors marked 1.0 to 3000 are in pf and capacitors from .001 to .47 are in uf unless otherwise noted.

*10 pf for GE 6HF5, 6 pf for Sylvania 6HF5.

2-NT SCHEMATIC DIAGRAM

All resistors are 1/2 watt 10% unless otherwise noted. All switches viewed from front in counter-clockwise position. Highest resistor R42. Highest capacitor C57.

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