

These pages were extracted from the installation guide, and may offer some guidance in its use with this aircraft.



**KX 170B/KX 175B
NAVIGATION RECEIVER/
COMMUNICATIONS TRANSCEIVER**

**INSTALLATION MANUAL
006-0085-01**

REV. 1

JANUARY, 1976


KX 170B/KX 175B
NAVIGATION RECEIVER/
COMMUNICATIONS TRANSCEIVER

SECTION III
OPERATION

3.1 GENERAL

All controls required to operate the KX 170B/KX 175B are located on the unit front panel.

3.2 KX170B/KX 175B NAV/COMM CONTROLS

3.2.1 COMM ON-OFF TEST CONTROL

The ON-OFF-TEST control is located directly above the COMM channel selector. Power is supplied to the COMM when this control is either in the ON or TEST position. The TEST position is used to defeat the COMM automatic squelch for both test purposes and listening to extremely weak signals.

3.2.2 COMM VOLUME CONTROL

The Volume (VOL) control, located on the lower left side of the KX 170B/KX 175B is used to adjust the transceiver audio volume. The KX 170B/KX 175B system power ON/OFF switch is independent of this control, allowing the COMM volume to remain at a desired preset level.

3.2.3 COMM FREQUENCY SELECTOR

The two concentric knobs under the COMM frequency window are used to dial COMM frequencies. The larger knob selects MHz and the smaller knob selects kHz. The transceiver is inoperable in the two unused MHz positions between 118MHz and 135MHz. Clockwise rotation selects higher frequencies. The dial mechanism has no stops, permitting continuous rotation.

3.2.4 NAV OFF-VOICE-IDENT CONTROL

The OFF-VOICE-IDENT control is located directly above the NAV channel selector. Power is supplied to the NAV when this control is either in VOICE or IDENT position. NAV operation is independent of COMM. With the switch on IDENT, the ground station voice and identification tone are coupled to the aircraft speaker and/or headphone circuitry. With the switch on VOICE the identification tone is eliminated, permitting the pilot to monitor the VOR ground station for voice transmissions without receiving the VOR ident tone.

3.2.5 NAV VOLUME CONTROL

The navigation receiver volume (VOL) control, on the right side of the KX 170B/KX 175B is used to control the level of the audio and/or identification tone output from the navigation receiver. This control is also independent of the system power switch allowing the NAV volume to remain at a desired preset level.

3.2.6 NAV FREQUENCY SELECTOR CONTROLS

The two concentric knobs under the NAV frequency window are used to dial NAV frequencies. The larger knob selects MHz and the smaller knob kHz. Clockwise rotation selects higher frequencies. Remote DME, Glideslope, and ILS channeling are also performed by this control.

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