

KN-53 VHF NAVIGATION SYSTEM - REMOVAL/INSTALLATION

1. General

- A. This section provides removal and installation procedures for components of the KN-53 VHF Navigation system.
- B. System components include a KN-53 VHF transceiver and KI-204 indicator.
- C. For system maintenance practices not covered in this chapter, refer to manufacturer's maintenance manuals.

2. KN-53 Transceiver Removal/Installation

- A. Remove KN-53 Transceiver (Refer to Figure 401)

NOTE: The KN-53 transceiver is mounted in the instrument panel. Removal/Installation is accomplished by releasing the unit and sliding from/into the rack. A 3/32 inch hex wrench is used to lock/unlock the unit to/from its mounting tray.

- (1) Disengage NAV 2 circuit breaker on the left side circuit breaker panel.
- (2) Insert the hex wrench into the small hole located on the right side of the front panel of the transceiver.
- (3) Rotate the hex wrench counterclockwise until the locking mechanism becomes noticeably loose. Continue counterclockwise rotation until mechanism just begins to become snug again. Do not rotate locking mechanism until it binds and becomes tight.
- (4) Pull the transceiver unit outward from mounting tray by pulling on the sides of the front panel. Do not pull unit from tray using knobs. Remove transceiver from tray.

- B. Install KN-53 Transceiver. (Refer to Figure 401)

- (1) Ensure front lug on mounting tray locking mechanism is in up position. Insert transceiver into mounting tray and slide into tray completely.
 - (a) Insert hex wrench into hole in transceiver front panel to engage set screw. Rotate hex wrench clockwise until snug. Remove hex wrench, then pull gently on front panel to ensure unit is properly secured in mounting tray.

CAUTION: Hand tighten only. Avoid over torquing or damage may result.

- (2) Engage NAV 2 circuit breaker on left circuit breaker panel.

3. KI-204 Nav Indicator Removal/Installation

- A. Remove KI-204 Nav Indicator. (Refer to Figure 401)

- (1) Remove electrical power from the airplane. Disengage NAV 2 circuit breaker from the left hand circuit breaker panel.
- (2) Remove screws and adapter plate from Nav Indicator.
- (3) Withdraw indicator from instrument panel and disconnect electrical connector.
- (4) Remove indicator from airplane.

- B. Install KI-204 Nav Indicator. (Refer to Figure 401)

- (1) Connect electrical connector to indicator.
- (2) Place indicator in instrument panel and secure with adapter plate and screws.
- (3) Engage NAV 2 circuit breaker on the left circuit breaker panel.

Figure 401 : Sheet 1 : KN-53 Navigation System

