## KING KAP/KFC-150 AUTOPILOT COMPUTER - REMOVAL/INSTALLATION

## 1. General

- A. This section gives procedures for the removal and installation of the King KAP/KFC-150 Autopilot Computer and the yaw damper switch.
- B. The autopilot computer and optional yaw damper switch is found in the center console or in the radio panel.

## 2. Autopilot Computer (Installed in the Center Console) Removal/Installation

- A. Remove the Autopilot Computer (Refer to Figure 401).
  - (1) Disengage the A/P CONT circuit breaker on the left circuit breaker panel.
  - (2) Loosen the hex nut that holds the autopilot computer in the center console.
    - (a) Use a long hex wrench through the autopilot front panel to get access to the autopilot hex nut.
  - (3) Lift the autopilot computer from the center console.
  - (4) Disconnect the static hose.
  - (5) Disengage the yaw damper switch from the top panel of the center console.
  - (6) Remove the yaw damper switch from the center console.
  - (7) Remove the autopilot computer and yaw damper switch from the airplane.
- B. Install the Autopilot Computer (Refer to Figure 401).
  - (1) Install the yaw damper switch in the top panel of the center console.
    - (a) Connect the electrical connector from the autopilot computer to the yaw damper switch.
  - (2) Connect the static hose to the autopilot computer.
  - (3) Put the autopilot computer in place in the mounting rack.
  - (4) Use a long hex wrench and tighten the autopilot computer hex screw.
  - CAUTION: Make sure that the hex screw is not torqued too much. This will help prevent damage to the hex screw.
  - (5) Engage the A/P CONT circuit breaker on the left breaker panel.

## 3. Autopilot Computer (Installed in the Radio Panel) Removal/Installation

- A. Remove the Autopilot Computer (Refer to Figure 402).
  - (1) Disengage the A/P CONT circuit breaker on the left circuit breaker panel.
  - (2) Put a 3/32 hex wrench through the front panel of the autopilot computer and engage the lock mechanism.
  - (3) Turn the lock mechanism counterclockwise to loosen and unlock the autopilot computer from the mounting rack.
  - (4) Remove the hex wrench from the autopilot computer.
  - (5) Pull the autopilot computer from the mounting rack.
  - (6) Loosen the clamp that holds the static hose to the autopilot computer.
  - (7) Disconnect the static hose from the autopilot computer.
  - (8) Remove the autopilot computer from the airplane.
  - (9) If necessary, remove the yaw damper switch from the radio panel.
    - (a) Disconnect the electrical connector from the yaw damper switch.
    - (b) Remove the yaw damper switch from the radio panel.
    - (c) Remove the yaw damper switch from the airplane.
- B. Install the Autopilot Computer (Refer to Figure 402).
  - (1) If necessary, install the yaw damper switch in the radio panel.
    - (a) Connect the electrical connector from the autopilot computer to the yaw damper switch.
  - (2) Connect the static hose to the autopilot computer.
  - (3) Tighten the clamp that holds the static hose to the autopilot computer.
  - (4) Put the autopilot computer in position in the mounting rack.
  - (5) Put a 3/32 hex wrench through the front panel of the autopilot computer and engage the lock mechanism.

- (6) Turn the lock mechanism counterclockwise and move the autopilot computer forward into the mounting rack until it stops.
- (7) Turn the lock mechanism clockwise until the autopilot computer bezel is flush with the radio panel.
  - **NOTE:** This will lock the autopilot computer in the mounting rack and engage the connectors.
- (8) Remove the hex wrench from the autopilot computer.
- (9) Engage the A/P CONT circuit breaker on the left breaker panel.



Figure 401 : Sheet 1 : Autopilot Computer with Yaw Damper Switch



