

INSTRUMENT AND CONTROL PANELS - MAINTENANCE PRACTICES

1. General

- A. The instrument panels discussed in this section includes the left and right flight control panels and lower left switch panel. The left and right flight control panels and the light, de-ice/anti-ice switch panel are located on the main instrument panel. The left and right flight control panel(s) are attached to panel slides and are designed to slide aft and out of the instrument panel, then tilt for maintenance to be performed without completely removing the panels.

2. Flight Control Panels Removal/Installation

- A. Remove Flight Control Panels (Refer to Figure 201).

- (1) Ensure all electrical power is off.

CAUTION: Do not pull panel to the point where there is unnecessary strain on wiring and hoses connected to the instruments.

- (2) Remove screws (7) securing flight control panels and pull panel aft.
 - (3) Tag and disconnect electrical connectors, hoses and associated wiring from components as required to allow panels to be pulled aft far enough for maintenance work.
 - (4) If panels are to be completely removed from airplane, tag and disconnect all electrical connectors, hoses and associated wiring from instruments, postlights, and switches.
 - (5) On left flight control panel (1) only, remove screws attaching control column collar (4) to left flight control panel.
 - (6) Remove cotter pins (9) and pins (6) attaching panels to panel slides (10) and remove from airplane.

- B. Install Flight Control Panels (Refer to Figure 201).

- (1) If panel(s) have been completely removed from airplane, position flight control panel(s) and attach to panel slides (10) using pins (6) and cotter pins (9).
 - (2) Connect hoses, electrical connectors, and associated wiring to instruments, postlights, and switches. Remove all tags.
 - (3) Push panel(s) forward and secure with screws (7).
 - (4) On left flight control panel, position control column collar (4) and secure with screws.

3. Lower Left Switch Panel Removal/Installation

- A. Remove Lower Left Switch Panel (Refer to Figure 201).

- (1) Ensure all electrical power is off.
 - (2) Remove screws attaching knee bumper to stationary instrument panel.
 - (3) Remove alternate static source valve.
 - (4) Remove screws attaching switch panel to stationary instrument panel.
 - (5) Disconnect electrical wires from postlights and remove postlights.
 - (6) Pull switch panel aft as necessary to perform required maintenance.

- B. Install Lower Left Switch Panel (Refer to Figure 201).

- (1) Position switch panel, install postlights and connect electrical wires to postlights.
 - (2) Install screws securing switch panel to stationary instrument panel.
 - (3) Install alternate static source valve.
 - (4) Install knee bumper.