

CLOCK - MAINTENANCE PRACTICES

1. General

- A. The 12 hour clock is located on the upper left corner of the instrument panel. It is electrically operated and consists of an hour hand, minute hand, and second hand. The Astro Tech LC-2 Quartz Chronometer is offered as optional equipment. It is a precision, solid-state time keeping device which will display to the pilot the time-of-day, the calendar date, and the elapsed time interval between a series of selected events, such as in flight check points or legs of a cross country flight, etc. These three modes of operation function independently and can be alternately selected for viewing on the four digit liquid crystal display (LCD) on the front face of the instrument, three pushbutton type switches directly below the display control all time keeping functions. The digital display features an internal light (back light) to ensure good visibility under low cabin lighting conditions or at night. The intensity of the backlight is controlled by the light rheostat. In addition, the display incorporates a test function which allows checking that all elements of the display are operating. To activate the test function, press the LH and RN buttons at the same time. Refer to Pilot's Operating Handbook for operation.

2. Standard Clock Removal/Installation

- A. Remove Standard Clock (Refer to Figure 201).
- (1) Ensure all electrical power is off.
 - (2) Tag and disconnect electrical wires from back of clock.
 - (3) Remove screws (1) and remove clock.
- B. Install Standard Clock (Refer to Figure 201).
- (1) Position clock and install screws (1).

CAUTION: Power wire must be connected to "+" terminal of clock or internal damage to unit will result.

- (2) Connect electrical wires to clock. Remove tags.

3. Optional (Astro Tech) Clock Removal/Installation

- A. Remove Optional Clock (Refer to Figure 201).
- (1) Ensure all electrical power is off.
 - (2) Disconnect clock wires by disconnecting three pin housing.
 - (3) Remove screws (1) and remove clock.
- B. Install Optional Clock (Refer to Figure 201).
- (1) Position clock and install screws (1).
 - (2) Connect electrical three pin housing.
 - (3) Set clock in accordance with Pilot's Operating Handbook.