

INSTALLATION INSTRUCTIONS

12 or 24 Hour Clock: If standard 12 hour time of day is desired, no changes are necessary as all units are shipped in the 12 hour configuration. For 24 hour configuration, remove the rear case and locate the 12/24 hour slide switch at the bottom left side of the circuit board. Slide the switch toward the center of the chronometer. Attach rear case. The 12 hour configuration may be selected at any future time by sliding the 12/24 hour switch away from the center of the chronometer.

NOTE: Clock or Timer function is indicated by the Clock or Timer annunciator on the display.

Installation in Panel: The LC-2 chronometer is designed to fit a standard 2 1/4" round instrument cutout. Mounting screws must be no longer than 1/2". The clock weight is 4 ounces.

Electrical Connections: Connections to the aircraft electrical system are required for the operation of the backlighting of the display. A ground must be connected to the case or the lighting will not work as the mounting screws do not make electrical contact. For 14 volt backlighting the lamp should be a #53, for 28 volt backlighting it should be a #1819, and for 5 volt backlighting it should be a #1850 (not supplied).

Battery Replacement: Chronometer and timer operations are provided by two 1.5 volt AAA batteries. Depending on the battery quality and age, the life should be two years or more with a 30 microampere maximum current drain. Remove the rear case by removing the single retaining screw. Replace the two batteries in the snap-in battery holder with one battery positive terminal(+) facing the end of the holder with the RED wire attached and the second battery negative terminal(-) facing the end of the holder with the BLACK wire attached. Replace the rear case and tighten the screw. Be sure the wires running to the battery holder and also those through the case are routed as originally found and clear the case mounting spacer.

CAUTION: Do not damage the circuit board or attached components.

Installation Approval: The installation must be accomplished in accordance with AC43.13-2 "Acceptable Methods, Techniques and Practices, Aircraft Alterations". If the chronometer is not listed in the Aircraft Equipment List, FAA form #337, "Major Repair and Alteration", must be filed. The LC-2 chronometer meets the Radio Frequency Standards or MIL-STD-461 and RTCA DO160A.

PROBLEMS OR COMMENTS: Contact the factory if you have any problems. We will be happy to help. Your comments would be appreciated.

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every ten seconds. The timer count may be stopped and held at a particular time by pressing the **START/STOP** button. To add to the existing count, press the **START/STOP** button again, the timer will then continue counting up from the previous total. To start a new count, press the **RESET** button to zero the display and then press the **START/STOP** button.

After 59 minutes and 59 seconds, the **HOLD** mode can be recognized by the lack of colon activity for a ten second duration. The colon may be continuously on or off in the **HOLD** mode.

DISPLAY TEST

Pressing and holding the **RESET** button for more than 2 seconds will initiate the display test function. All digit segments, the Timer and Clock annunciators, and colon will be displayed. When the **RESET** button is released, the chronometer will return to the previous mode. If the Display Test function was accessed from the Set Mode, the chronograph returns to the Clock Mode and all settings performed are retained.

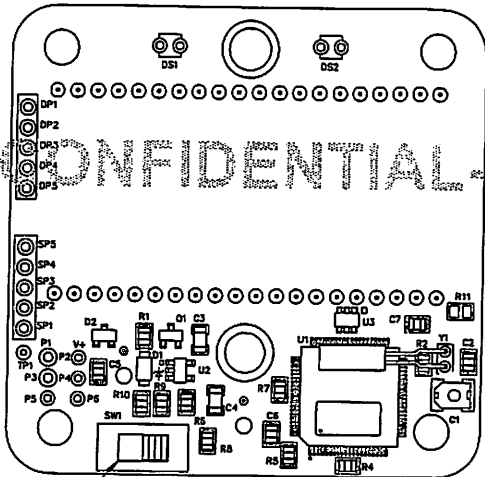
BATTERY REPLACEMENT (AT420100 ONLY)

The chronometer is operated by 2 internal AAA size batteries. To replace the batteries, remove the chronometer from the aircraft. On the back side of the chronometer, remove the screw and then carefully separate the can from the faceplate without damaging the battery connection wires. Carefully remove the 2 batteries from the battery holder inside the can and replace with new batteries. Ensure that the new batteries are installed in the correct polarity orientation as identified by 2 "+" (positive) symbol labels attached to the battery holder. The batteries should be replaced every 24 months.

BATTERY TYPE: ALKALINE, SIZE AAA, 1.5V

12/24 HOUR SETTING

To change the 12/24 hour operation setting, remove the can as described above to access the switch. Move the switch actuator to the left position for the 12 hour setting and to the right position for the 24 hour setting.



12/24 Hour Switch

12/20/2017 CONFIDENTIAL-PROPRIETARY INFORMATION

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