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THIS IS AN ALKALINE  
BATTERY PACK, NOT  
AFFECTED BY A. D.  
79-05-02!  
NO LITHIUM CONTENT!

INSTALLATION INSTRUCTIONS FOR MERL, INC. BATTERY PACK P/N  
BP-1005 FOR USE WITH EMERGENCY LOCATOR TRANSMITTER  
APPROVED UNDER FAA TSO C-91

FAR 91.52 requires the replacement of an ELT Battery Pack when the transmitter has been in operation for a total of one (1) cumulative hour, or at a period not to exceed one half the shelf life of the battery, whichever comes first. The MERL, INC. BP-1005 has a shelf life of four (4) years. The replacement date of twenty-four (24) months from the date of manufacture is indicated at the top of the placard located on the top of the battery pack. Only MERL INC battery packs should be used for replacement! Other battery packs, due to different power ratings or mechanical features, may meet the requirements of the ELT and their use would therefore be in violation of FAA TSO C-91. Battery Pack changes made by pilots or owners are allowed under the Preventative Maintenance Provisions as outlined under FAR 43, Appendix A, Paragraph (c), (24).

To prolong the Battery Pack life, minimize its exposure to high temperatures for a prolonged period, such as storage in direct sunlight in the hot months. Conversely, batteries that are subjected to extremely low temperatures such as are encountered by aircraft located in northern areas during the cold months can cause the capacity and voltage to decrease, resulting in possible reduced power output from the ELT. 70-degree temperature will result in optimum performance for the ELT. If using the ELT away from the aircraft in cold weather, place it inside your jacket to achieve a temperature as close to 70 degrees as possible.

TO INSTALL A REPLACEMENT BATTERY PACK FOLLOW THE STEPS BELOW:

1. Remove the ELT from its mounting bracket.
2. Remove the four (4) screws and four (4) spacers that hold the Battery Pack to the Transmitter. Save the screws and spacers.
3. Separate the Battery Pack from the Transmitter and save the rubber "O" ring.
4. Install the "O" ring in the same corresponding location on the new Battery Pack.
5. Push the new Battery Pack onto the Transmitter connectors, making sure that the "O" ring remains seated.
6. Insert the four (4) screws and four (4) spacers removed in Step 2 and tighten them.
- \*7. Reinstall the ELT assembly in its mounting bracket and safely the bracket latch using SOFT safety wire or a SOFT cotter pin.
8. Turn the ELT switch to "ON" and monitor the operation of the ELT on a COM receiver tuned to 121.5 MHz. If the test is satisfactory, move switch to "ARM".
9. Enter the date of installation of the new Battery Pack into the Airframe Logbook, AND the NEXT replacement date.
10. DO NOT DISPOSE OF OLD BATTERY PACK IN FIRE OR FLAME

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\*AFTER THE ASSEMBLY OF THE BATTERY PACK TO THE TRANSMITTER IF DIFFICULTY IS ENCOUNTERED IN HAVING THE ASSEMBLY FIT INTO THE MOUNTING BRACKET, REMOVE THE CORK PADS INSIDE THE BRACKET AND DISCARD THEM.