

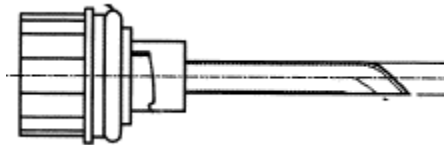


Aerobatic Battery Electrolyte Leveling

When aircraft are required perform aerobatic maneuvers it may be desirable to use cell vent plugs that will prohibit the expulsion of electrolyte from the cell when the aircraft is in an inverted or high G load condition. Some batteries are equipped with aerobatic vent plugs that may be identified by part numbers such as:

16934-010, 16934-011, 26940-001, 26940-005, M81757/2-1 or M81757/2-8

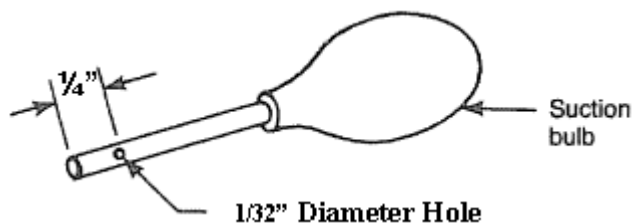
Special electrolyte leveling procedures are required for batteries containing aerobatic vent plugs. A typical aerobatic vent plug is shown below.



Perform all other battery servicing procedures in accordance with the appropriate CMM or OMM.

Electrolyte leveling:

- 1) During the last 15 minutes of the topping charge, and while the current is still flowing adjust the electrolyte level to approximately one quarter (1/4) inch above the top of the cell plates
- 2) This can best be accomplished by adding distilled or deionized water to a point where it is visible in the cell and then removing the excess water with an electrolyte removal tool.
- 3) An electrolyte removal tool can be locally fabricated from polystyrene tube and a suction bulb as illustrated below.
- 4) Insert the tube fully into the cell until it touches the bottom of the V shaped plate protector and squeeze the suction bulb. Releasing the suction bulb will withdraw the excess electrolyte from the cell to the level of the hole that is One quarter (1/4) inch above the tip of the polystyrene tube.



****Caution** Batteries that contain less than the standard consumable electrolyte volume will require a more frequent service interval to prevent the electrolyte level from falling below the top of the cell plates. ** Caution****