

SEALED LEAD ACID BATTERY - INSPECTION/CHECK**1. General**

A. This section has the inspections and checks necessary to keep the battery in a serviceable condition.

TASK 24-33-00-720**2. Concord Sealed Lead Acid Battery Functional Check (Capacity Check)****A. General**

(1) This section gives the information needed to do the functional check of the sealed lead acid battery.

B. Special Tools

(1) None

C. Access

(1) Open the right cowling door to get access to the battery. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

D. Do the Concord Sealed Lead Acid Battery Functional Check (Capacity Check)

(1) For airplanes that operate less than 1000 hours per year:

- (a) Do the battery capacity check at 12 calendar months after the initial battery installation (plus or minus one month).
- (b) As long as the battery capacity check is above 90 percent, then you should do subsequent battery capacity checks every six months (plus or minus one month).
 - 1 If the battery capacity check is between 85 and 90 percent, then you should do subsequent battery capacity checks every 3 months (plus or minus one month).
 - 2 If the battery capacity check is less than 85 percent, install a new battery.

(2) For airplanes that operate 1000 or more hours per year:

- (a) Do the battery capacity check at 1000 hours after the initial battery installation (plus or minus 100 hours).
- (b) As long as the battery capacity check is above 90 percent, then you should do subsequent battery capacity checks every 500 hours (plus or minus 100 hours).
 - 1 If the battery capacity check is between 85 and 90 percent, then you should do subsequent battery capacity checks every 250 hours (plus or minus 100 hours).
 - 2 If the battery capacity check is less than 85 percent, install a new battery.

(3) Remove the battery from the airplane. Refer to Sealed Lead Acid Battery - Maintenance Practices.

(4) Visually examine the lead acid battery for general condition.

(5) Examine the terminals for an overheat indication, burns, or signs of arcing.

(6) Examine the vent tubes for deterioration or wear.

(7) Make sure that the battery tray is clean.

(8) Do a capacity check of the lead acid battery. Refer to the Concorde Valve Regulated Lead Acid Main Battery Maintenance Manual Supplement.

(9) Install the battery in the airplane. Refer to Sealed Lead Acid Battery - Maintenance Practices.

E. Restore Access

(1) Close the right cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

END OF TASK