



(This Service Letter Is FAA Approved)

This Service Letter reidentified as  
 Service Bulletin M 20-90  
 per Service Instruction M20-15.

**SUBJECT:** Battery Access Door Installation

**MODELS AFFECTED:** M20, M20A & M20B, Serial Numbers 1002 thru 1939

**TIME OF COMPLIANCE:** At Owner's Discretion

**INTRODUCTION:**

The purpose of this service letter is to introduce to you the new battery access door offered to you by Mooney Aircraft. This door is standard equipment on the 1962 Model M21 (M20C) and has proven quite successful in the many tests to which we have subjected it. Some of the advantages offered by this access door are easier and faster access to the battery. Although the use of this access door is not mandatory, we recommend the use of it on the M20, M20A, and M21 (M20B) aircraft.

**INSTRUCTIONS:**

To install the new access door, the following sequence should be followed in the order listed:

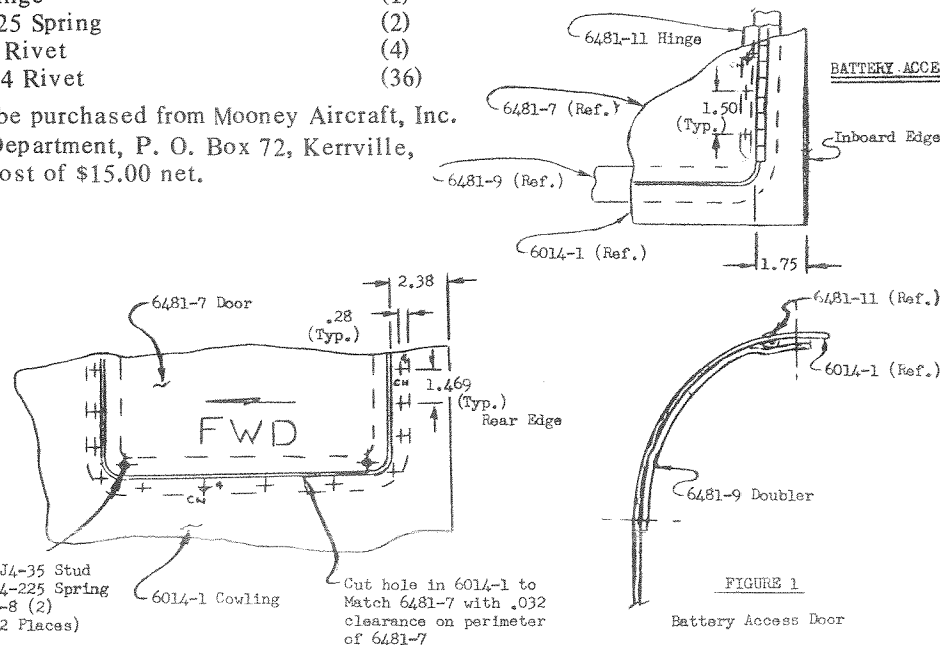
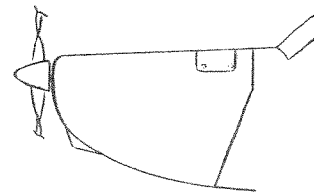
1. Remove 6014-1 L.H. cowling from the aircraft.
2. Lay the 6481-7 door on the cowling to the dimensions shown in Figure 1.
3. Scribe around 6481-7 door leaving .032 clearance around the outside of 6481-7 door.
4. Cut hole in 6014-1 along scribed line.
5. Drill door and hinge to match rivets as shown in Figure 1.
6. Drill 6014-1 cowling to match 6481-9 doubler and 6481-11 hinge as shown in Figure 1. Cleco doubler and hinge to 6014-1 cowling.
7. Drill 6014-1 cowling and 6481-9 doubler to dimensions shown in Figure 1 and rivet.
8. Drill .250 dia. hole in 6481-9 doubler to match Dzus FJ4-35 stud in 6481-7 door.
9. Countersink hole in 6481-9 doubler to match countersink in 6481-7 door.
10. Install Dzus S4-225 spring with two AN426A-8 rivets on back of doubler, two places.
11. Install cowling on aircraft.

After completion of this service letter, fill out the enclosed compliance card and return it to us for our aircraft records.

**PARTS LIST:**

- S.L. Kit 20-90
1. 6481-7 Door (with (2) Dzus FJ4-35 Studs) (1)
  2. 6481-9 Doubler (1)
  3. 6481-11 Hinge (1)
  4. Dzus S4-225 Spring (2)
  5. AN426A-8 Rivet (4)
  6. AN426-AD4 Rivet (36)

This kit may be purchased from Mooney Aircraft, Inc. Spare Parts Department, P. O. Box 72, Kerrville, Texas, at a cost of \$15.00 net.



Dzus FJ4-35 Stud  
 Dzus S4-225 Spring  
 AN426A-8 (2)  
 (Typ. 2 Places)

Cut hole in 6014-1 to  
 Match 6481-7 with .032  
 clearance on perimeter  
 of 6481-7

Note: AN426AD4 rivets (36) used throughout, countersunk on outside surfaces.