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# **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS**

## **Firewall Battery Box**

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**Document Number: ICA-1005**

### **REVISION HISTORY**

Revision	Description	Date
0	Original Issue	24. Nov.08
A	Add Cessna 175 to AML	27.Dec.10
B	Update AML to include additional series Cessna aircraft. Add requirement for load analysis for new applications.	03.Sep.15
C	Update AML based on FAA-accepted Model Qualification Report	04.Jan.16

**For updated revisions of this document it is the owner/operators responsibility to contact F. Atlee Dodge Aircraft Servies, LLC. through our website or directly at the numbers given above.**

**This document meets the requirements of 14 CFR 23.1529 (Appendix G). Additionally it is found acceptable to the FAA AEG in accordance with the guidelines outlined in FAA Order 8110.54.**

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## 1 Model Applicability

The data presented in this Instruction for Continued Airworthiness (ICA) is intended to augment the information contained in the original aircraft maintenance manual or structural repair manual. Additional information on recommended best practices and acceptable methods, techniques can be obtained from FAA AC 43.13-1B/2A.

This document is applicable to the following Make and Model aircraft once the STC is installed.

Cessna Model Numbers	TCDS	Rev	Certification Basis
150K ,A150L	3A19	49	CAR 3 dtd May 15, 1956, as amended
F150K FA150K	A13EU	15	CAR 3 dtd May 15, 1956, as amended
170,170A,B	A-799	55	170, 170 A: CAR 03 dtd Dec 15, 1946, as amended 170B: CAR 3 dtd Nov 01, 1949, as amended
172B,C,D,E,F,G,H,I,K,L,M,N,P	3A12	84	CAR 3 dtd Nov 01, 1949, as amended
F172D,E,F,G,H,K,L,M,N,P	A4EU	14	CAR 3 dtd May 15, 1956, as amended
R172E,F,G,H,J,K	3A17	47	CAR 3 dtd May 15, 1956
175, 175A,B,C	3A17	47	CAR 3 dtd May 15, 1956
180,180A,B,C,D,E,F,G,H,J,K	5A6	68	CAR 3 dtd Nov 01, 1949, as amended
182,182A,B,C,D,E,F,G,H	3A13	72	CAR 3 dtd Nov 01, 1949, as amended
185,185A,B,C,D,E A185E,F	3A24	40	CAR 3 dtd May 15, 1956, as amended

## 2 Modification Description

**NOTE:**

*This ICA is concerned with structural issues only and does not address the electrical features of each aircraft for which installation is sought.*

*Only "PMA'd" batteries and "Sealed" batteries should be used with this STC.*

The modification consists of mounting a stainless steel battery box on the left hand side firewall of the applicable aircraft. The battery box is supplied PMA'd for installation.

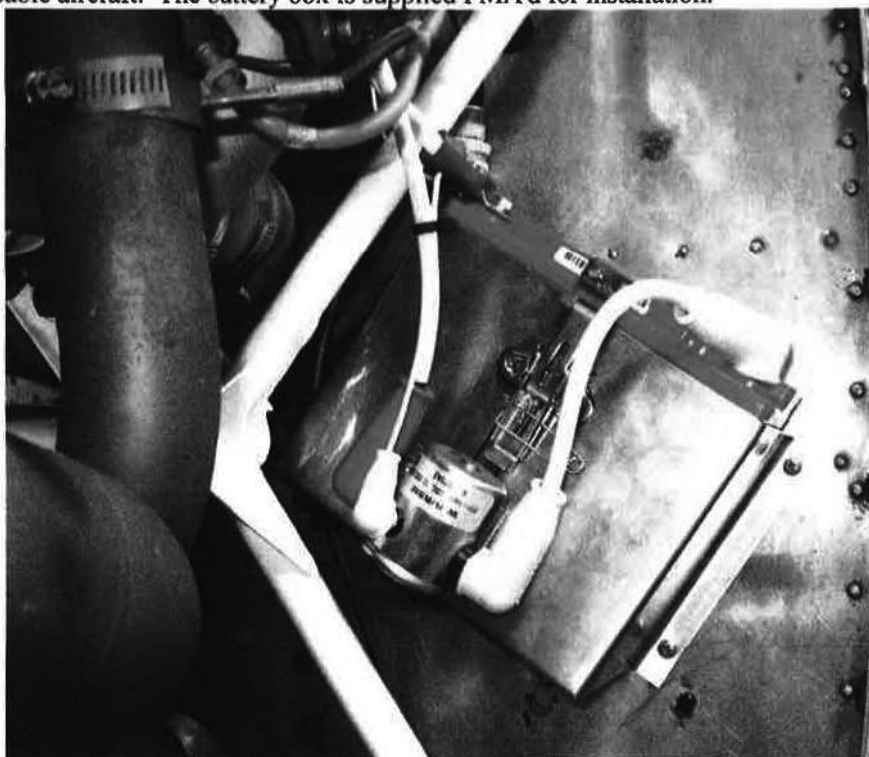


Figure 1: Typical Battery Box Installation on Firewall.

The battery box is attached with four (4) #10 screws through the firewall. This box holds a lightweight 12 volt battery. The front of the battery box has two (2) holes to which a electrical starter contact relay may be mounted. A latch is provided to secure the battery in the box.

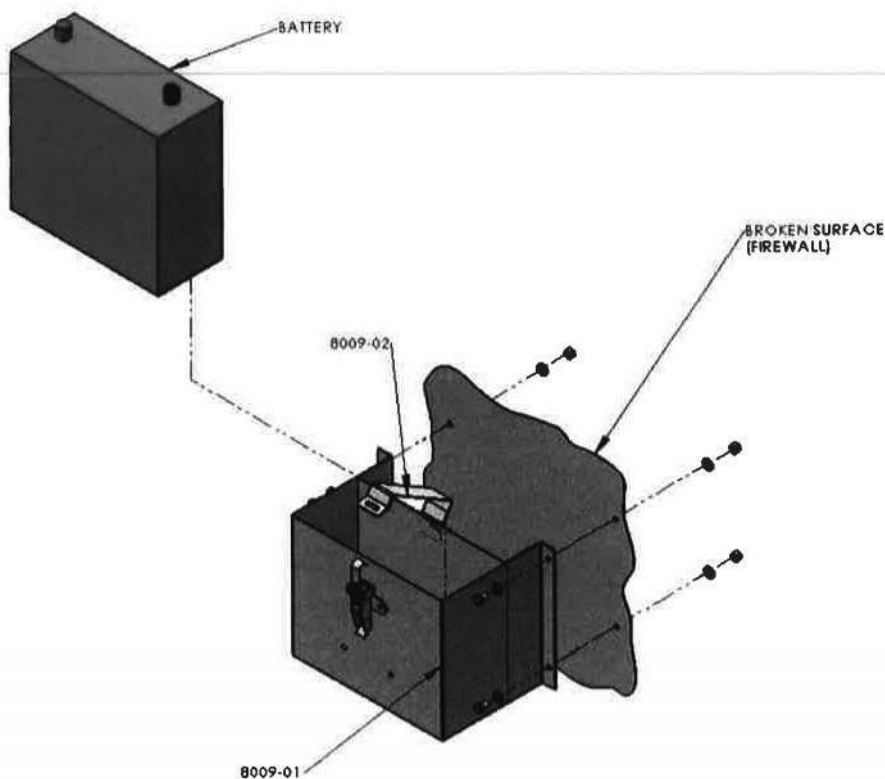


Figure 2: Typical Battery Box Parts Breakdown.

## 2.1 Parts List

Part Description	Part No.	Qty	Comment
Battery		1	Reference ONLY Hawker PMA'd not supplied
Battery Box Assembly	8008	1	PMA'd FAD supplied
Attachment Screws	AN525 10R8	4	ALT: AN3-4A Local Purchase
Washer	NAS1149 0363	4	Local Purchase
Nut plates	MS21059 3	4	Local Purchase
Rivets	MS20426AD3-4	8	For nutplates Local Purchase

### **3 Installation and Removal Procedures**

Refer to Installation Instructions II-1005.

### **4 Maintenance**

If repairs are deemed necessary, high quality welds may be used on the battery box using the appropriate welding equipment and consumables for AISI 304 stainless steel.

#### **4.1 Inspection Requirements**

The battery box should be inspected on a regular 100 hr/annual or progressive basis in accordance with the applicable maintenance manual. Replace hardware as required.

### **5 Airworthiness Limitations**

This Airworthiness Limitations Section is FAA approved and specifies maintenance required under paragraphs 43.16 and 91.403 of the Federal Aviation Regulations unless an alternate program has been FAA approved. This modification does not affect the airworthiness section of the FAA Approved Maintenance Manual.

**No additional airworthiness limitations have been imposed by this modification.**

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