

SERVICE BULLETIN



Service Bulletin No.: DAC1-25-03 Rev 0

Date Issued: August 19 2011

Title: Installation of Safety Hammer, Type II

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- 1. ATA Code:** 2560
- 2. Effectivity:** C0001 to C0581
- 3. General:** This Service Bulletin addresses the installation of an improved Safety Hammer.
- 4. Compliance:** Compliance with this Service Bulletin is optional.
- 5. Approval:** Engineering data referenced or contained in this Service Bulletin is approved as part of the type design.
- 6. Labor:** Approximately 1.0 hour will be required to accomplish this service bulletin.

This estimate is for direct labor performed by a technician and it does not include setup, planning, familiarization, cure time, part fabrication or tool acquisition.

7. Material:	Part Number	Description	Qty
	VH20BR	Safety Hammer	1
	22-2550-63-01	Safety Hammer Bracket	1
	22-2550-63-02	Safety Hammer Retaining Clip	1
	BSCQ-04-04	Blind Rivet	2
	AN960C4	Plain Washer	2
	ATUM-12-4-0	Heat Shrink	10mm

The above material may be ordered as kit: **DAC1-25-03AMK0**

- 8. Special Tools:** N/A
- 9. References:** DA20-C1 Aircraft Maintenance Manual, Document # DA201-C1

10. Accomplishment Instructions:

- 10.1** Remove the baggage compartment floor panel as per ATA chapter 25-10-00.
- 10.2** Place the baggage compartment floor panel on a suitable worktable/bench.
- 10.3** Remove the existing safety hammer mounting means from the baggage compartment floor panel:
 - 10.3.1** Remove the safety hammer from the mounting bracket.
 - 10.3.2** Use a 1/8 inch drill bit to remove the two rivets attaching the safety hammer bracket to the baggage compartment floor panel.
- 10.4** Position new safety hammer bracket (p/n 22-2550-63-01) onto the baggage compartment floor panel (reference figures 1 and 2):

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- 10.4.1 Apply masking tape between the 1st and 2nd attaching screw locations on the RH side of the baggage compartment panel.
- 10.4.2 Measuring inboard from the center of the 1st attaching screw location on the RH side, mark measurement of 43mm on the masking tape.
- 10.4.3 At the previously marked position, measure 19mm from the top surface of the baggage compartment floor panel, mark location on tape.
- 10.4.4 Center the outboard bracket attaching hole at the marked location, verify measurements. Position bottom edge of bracket parallel to surface of baggage compartment panel.
- 10.4.5 Hold the safety hammer bracket securely in place. Using a 1/8 inch drill bit, transfer the two attaching holes to the baggage compartment panel.
- 10.4.6 Remove masking tape and open transferred holes in baggage compartment floor panel using a #30 drill bit.

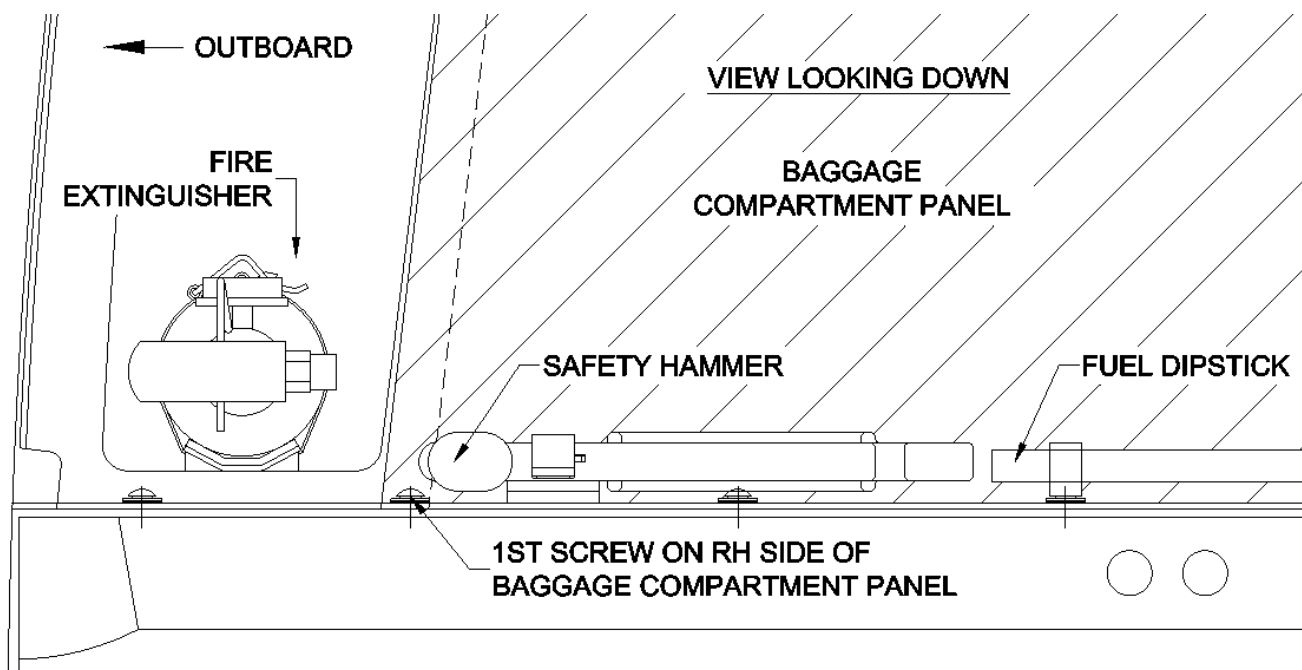


Figure 1

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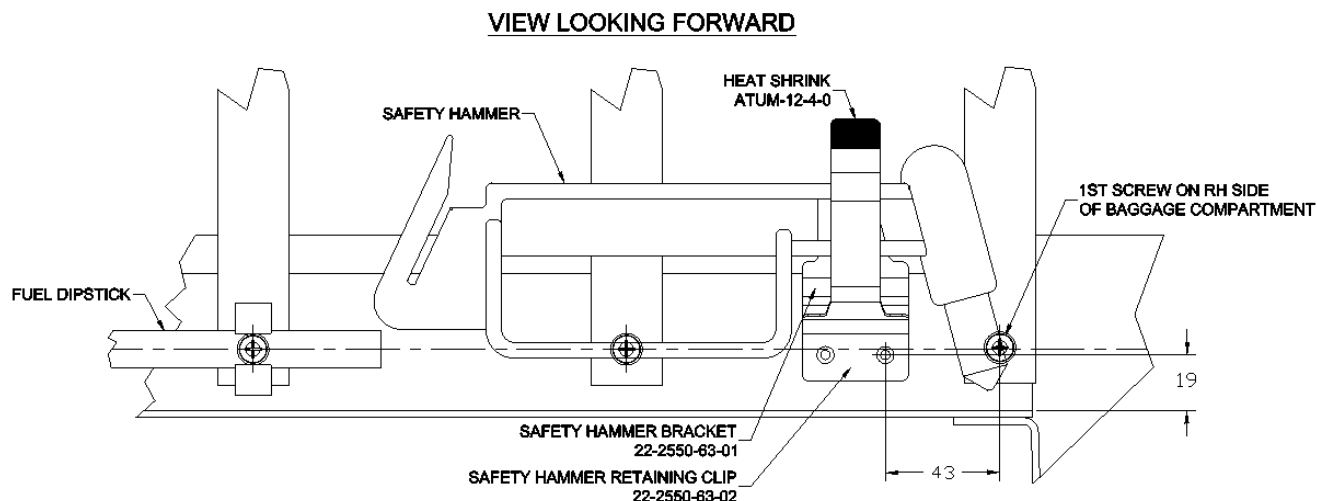


Figure 2

- 10.5** Position the safety hammer bracket on the baggage compartment floor panel. Position the safety hammer retaining clip (p/n 22-2550-63-02) over the bracket as shown in Figure 2. Use Clecos as required.
- 10.6** Attach the safety hammer bracket and retaining clip to the baggage compartment floor panel using blind rivets (p/n BSCQ-04-04, rivet head aft) and plain washers (p/n AN960C4). It may be necessary to locally remove foam seal on the forward edge of the baggage compartment floor panel to install the plain washers. Replace foam if baggage compartment sealing is compromised.
- 10.7** Install heat shrink (p/n ATUM-12-4-0) on upper edge of safety hammer retaining clip as shown in Figure 2.
- 10.8** Install the baggage compartment floor panel as per ATA chapter 25-10-00
- 10.9** Install safety hammer (p/n VH20BR) into safety hammer bracket assembly.
- 10.10** Perform a function check of the safety hammer removal and installation.
- 10.11** Clean the work area and inspect for foreign objects.
- 10.12** Make a log book entry that this service bulletin has been incorporated.

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11. Weight and Balance: Make the following adjustments to weight and balance:

<i>Item</i>	<i>Weight (kg)</i>	<i>Arm (m)</i>
Safety Hammer	-0.115	+0.901
Safety Hammer, Type II	+0.221	+0.901

12. Availability: Contact Diamond Aircraft Industries Inc.

13. Credit: None

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft Industries Inc. cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this Service Bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft Industries, Inc., at the address below.

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