

SERVICE BULLETIN



Service Bulletin No.: DA20-28-03, Rev. 1

Date Issued: September 9, 1999

Title: Fuel Filler Cap, Locking

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1. ATA Code: 2810

Planning Information:

2. Effectivity: All DA 20 Katana's up to Serial Number 10226.

3. General: The existing Fuel Filler Cap (P/N UD-3) requires frequent lubrication of the O-ring seal, under high usage conditions. This bulletin introduces an optional low maintenance fuel cap with a lockable feature.

4. Compliance: Incorporation of this Service Bulletin may be accomplished at the operator's discretion and convenience.

5. Approval: Engineering data referenced or contained in this bulletin is Transport Canada approved.

6. Labor: Approximately 2.5 Man hours will be required to accomplish this modification. This estimate is for direct labor performed by an experienced crew and it does not include set up, planning, familiarization, cure time, part fabrication, tool acquisition or lost time.

7. Material:	Item	Description	Quantity	Part Number
	1	Fuel Filler Cap, Lockable	1	C3L
	2	Face Plate	1	20-2800-06-02

The above material may be ordered as individual parts.

*3 PRC Sealant 1 1422B

*Procure items locally. Not included with materials kit.

8. Special Tools: N/A

9. References: DA 20 Katana Maintenance Manual Doc. No. DA201



10. Accomplishment Instructions:

10.1 Lockable Fuel Filler Cap Installation

- 10.1.1 Remove mounting hardware from the existing Fuel Filler Cap faceplate on the aircraft. Disconnect the fuel filler hose and seal the fuel tank to prevent contamination.
- 10.1.2 **NOTE:** For aircraft with S.B. DA20-28-01 (Fuel Cap, Safety Chain) incorporated. The lockable fuel cap does not require this chain and it may be removed.
- 10.1.3 Mask around the existing faceplate edge with masking tape. This will help prevent damage to the fuselage and paint when removing the existing.
- 10.1.4 Pry the existing faceplate off the fuselage, being careful not to damage the fuselage. Cutting the PRC sealant as the faceplate pulls off, will ease the amount of force needed.
- 10.1.5 Carefully, scrape the remaining PRC sealant off the fuselage and the inside lip of the filler neck. Be careful not to gouge the fuselage surface.
- 10.1.6 Lightly rough up the area where the new faceplate will adhere to, with medium grit sandpaper.
- 10.1.7 Taking the new faceplate, clean the mounting flange area with acetone. Apply PR-1422B Sealant to the flange area, as shown in Figure 1.
- 10.1.8 Line up the mounting holes on the new faceplate with the old mounting holes in the fuselage. Press the new faceplate into position.
- 10.1.9 Reinstall the original mounting hardware and grounding strap (refer to Figure 1). Remove any excess sealant. Allow the sealant to cure completely (refer to the manufacturer's recommendations).
- 10.1.10 When the sealant is cured, install the replacement fuel filler cap, unseal the fuel tank and reattach the fuel filler hose. Verify that the Fuel Filler neck overflow line is not blocked.

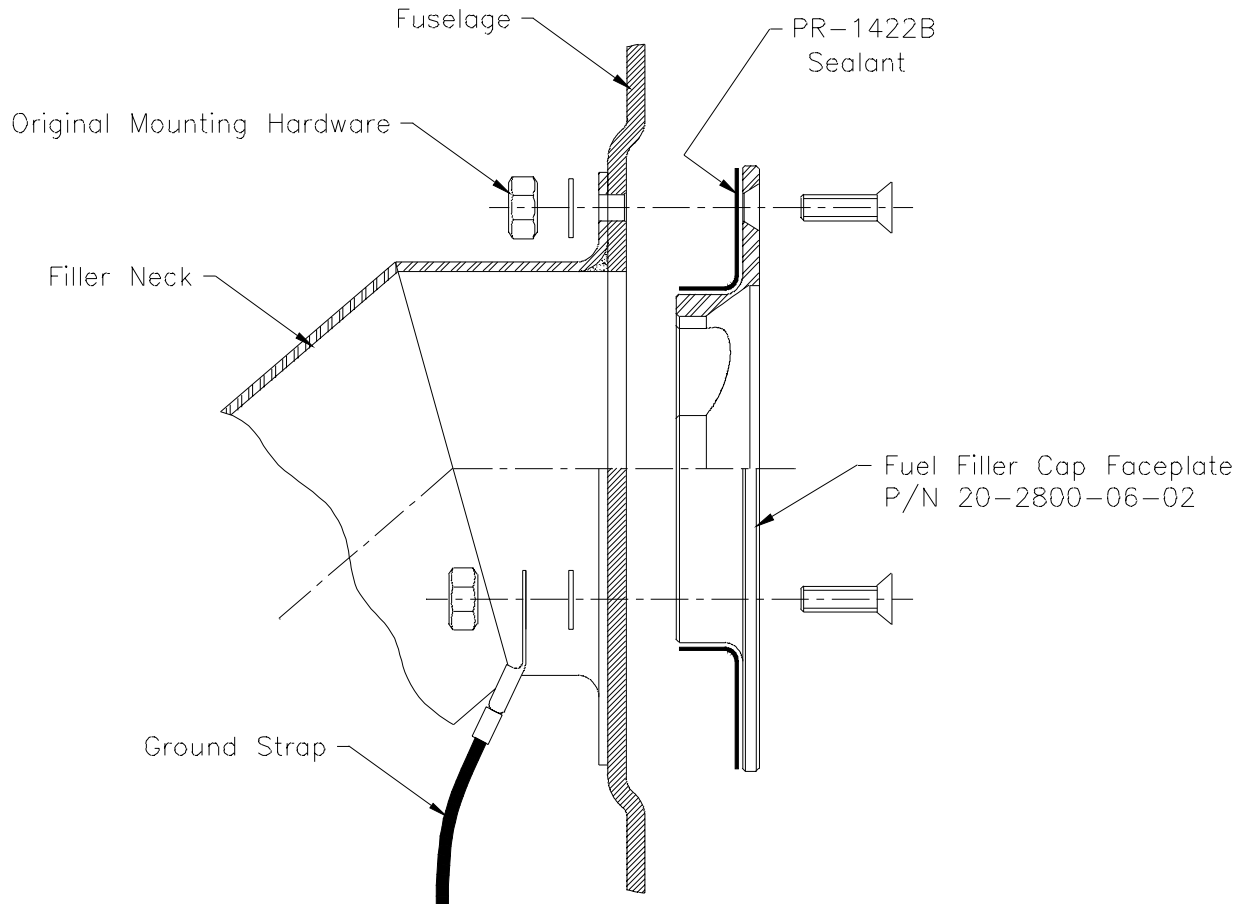


Figure 1.

11. Weight and Balance: Negligible

12. Electrical Load Data: Not applicable

13. Credit: Contact the Customer Support Department for price and availability of parts.
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.

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