

ALERT SERVICE BULLETIN



Service Bulletin No.: DA20-57-02-A, Rev. 0

Date Issued: March 7, 1996

Title: Aileron Control Fairing Modification

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1. **ATA Code:** 5700
 2. **Effectivity:** All DA 20 Katanas , aircraft serial number 10002 to 10110.
 3. **General:** There have been several cases of aileron controls being partially blocked due to foreign objects becoming jammed between the short aileron pushrod and the pushrod exit fairing of both left and right wings.
This Bulletin describes a one time foreign object inspection of the aft wing cavities and a modification to the aileron pushrod fairings to allow them to flex to prevent foreign objects from jamming the pushrods.
 4. **Compliance:** Urgently Recommended, within 10 flight hours after receipt of this bulletin.
 5. **Approval:** Not Applicable
 6. **Labor:** Wing inspection and modification of fairing - total 1 man hour
 7. **Material:** None
 8. **Special Tools:** Not Applicable
 9. **References:** Maintenance Manual DA 20 Katana
 10. **Accomplishment Instructions:**
 - Inspection
 - 10.1 Remove the navigation light assemblies and all inspection covers (2 or 3 on lower skin, depending on aircraft S/N; one on upper skin).
 - 10.2 Visually inspect inside the wing for foreign objects by looking through the inspection holes and navigation light opening using a suitable light and mirror. Pay particular attention to the crevices in the wing tips. This area is best inspected by placing a flashlight inside the wing through the inspection hole, shining toward the tip and looking in through the navigation light opening. Remove all foreign objects by hand or vacuum.
 - 10.3 When satisfied that all foreign objects are removed, reinstall the navigation light assemblies. The navigation light assemblies are installed with silicone sealant, that must be reapplied when installing the navigation lights.
Note: Two cover attachment screws for navigation light assemblies are of different length. To avoid damaging ceramic bases of the light bulbs make sure those screws are reinstalled properly.

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10. Accomplishment Instructions cont.

- Modification of Fairing

- 10.4 Drill 3/16" diameter holes in the aileron pushrod fairings (both wings) as shown on detail A of Figure 1.
- 10.5 Remove short pushrods in accordance with Maintenance Manual procedures (ref. Chapter 27-10), if required by method of cutting the fairing.
- 10.6 Cut slots in the fairings as shown on detail A of Figure 1 with hacksaw blade, cutting disk, etc. taking care not to contact the pushrod if it has not been removed.
- 10.7 Reinstall aileron pushrods in accordance with Maintenance Manual procedures (ref. Chapter 27-10), if applicable.
- 10.8 Apply wing root tape (or equivalent), if desired, as shown on detail A of Figure 1.

11. Weight and Balance: N/A

12. Electrical Load Data: N/A

13. Credit: None

To obtain satisfactory results, procedures specified in this service information letter 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 information letter.

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