

# ALERT SERVICE BULLETIN



Service Bulletin No.: DA20-78-03A, Rev.0

Date Issued: April 18, 1997

Title: Exhaust Header, Security

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1. ATA Code: 7810

## PLANNING INFORMATION

2. Effectivity: DA 20-A1 aircraft S/N 10002 to 10300.

3. General: This service bulletin addresses a requirement for an immediate check for exhaust system security and adequate clearance between the the #2 exhaust header and the oil filter. Loose exhaust header bolts could result in reduced clearances between the exhaust header and the oil filter resulting in chafing of the filter and subsequent loss of engine oil.

4. Compliance: **Prior to the next flight.**

5. Approval: Engineering data referenced or contained in this bulletin is approved as part of the type design.

6. Labor: Approximately 0.5 man hours.

7. Material: None

8. Special Tools: Not Applicable.

9. References: Doc #DA201 Maintenance Manual. ROTAX 912F Maintenance Manual.

## 10. Accomplishment Instructions:

10.1 Remove the upper and lower cowling.

10.2 Check that the engine oil filter shows no evidence of chafing.

10.3 Check that the exhaust headers are securely fastened to the cylinder heads. Re-tighten loose hardware. Replace the hardware if it has lost any of its locking capability. Refer to ROTAX 912F maintenance manual, Tightening Torques.

10.4 Check that there is at least 0.25" (6.3mm) clearance between the #2 exhaust header and the engine oil filter.

10.5 Check that the exhaust wrap clamp on the #2 exhaust header is positioned as low as possible close to the heat shield, with the clamp screw away from the oil filter.

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**10. Accomplishment Instructions:** Continued

10.6 Reinstall the cowlings and make the appropriate log book entry.

**11. Weight and Balance:** Not Applicable.

**12. Electrical Load Data:** Not Applicable.

**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.*

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