

ALERT SERVICE BULLETIN



Service Bulletin No.: DA20-73-04A, Rev. 2

Date Issued: March 23, 1998

Title: Fuel System, Fuel Supply Hose

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DIAMOND AIRCRAFT HIGHLY RECOMMENDS COMPLIANCE

1. ATA Code: 7310

PLANNING INFORMATION

2. **Effectivity:** DA20-A1 Aircraft serial number 10002 to 10331 equipped with ROTAX 912 F3 engines and DA20-A1 aircraft equipped with ROTAX 912 A3 engines which have service bulletin DA20-73-03 Rev. 0 or Rev. 1 incorporated.

3. **General:** Alert Service Bulletin DA20-73-04A Revision 1 required the replacement of the fuel supply hose assembly (to mechanical pump), P/N FP160B01BXXC0360. Due to the release of Rotax Technical Bulletin 912-20 R1 the actions required by DA20-73-04 Rev 1 are no longer applicable.

This bulletin addresses the incorporation of Rotax Technical Bulletin 912-20 R1 as it applies to affected DA20 Katanas.

4. **Compliance:** **Action 10.1** Daily, before the first flight of the day until 10.2 is complied with.

Action 10.2 Refer to ROTAX Technical Bulletin 912-20 R1.

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

6. **Labor:** Approximately 1 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, tool acquisition or lost time.

7. **Material:** **Action 10.1** None.

Action 10.2 Refer to Rotax Technical Bulletin 912-20 R1.
Parts required but not supplied, procure locally: Ty Wraps.

8. **Special Tools:** None

9. **References:** Rotax Technical Bulletin 912-20 R1
Rotax Service Information 1UL 98-D/E.
Applicable DA20-A1 Flight Manual. DA202, DA202-D, DA202-VLA

10.1 Accomplishment Instructions:

10.1.1 Remove the upper cowling.

10.1.2 Refer to Rotax Service Information 1UL 98-D/E. Comply with the instructions of 1UL 98-D/E.

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10.2 Accomplishment Instructions:

10.2.1 Remove the upper cowling.

10.2.2 Do the following prior to completing the instructions of Rotax Technical Bulletin 912-20 R1.

10.2.3 Disconnect the battery, negative lead first.

10.2.4 Close the fuel shutoff valve.

WARNING: Extinguish any source of heat or open flame before working on the fuel system.

10.2.5 Disconnect the fuel supply line at the fire wall. Use a wrench to hold the firewall bulkhead fitting whenever loosening or tightening the fuel line fittings.

10.2.6 Install the fuel line adapter to the fuel supply fitting on the firewall.

10.2.7 Complete the instructions of Rotax Technical Bulletin 912-20 R1.

10.2.8 Tie the fuel supply lines so that they are secure and are unable to rub on the upper cowling or engine components.

10.2.9 Reinstall the battery and connect the leads (positive lead first).

10.2.10 Open the fuel valve.

10.2.11 Run the electric fuel pump to check for fuel leaks. Check that the light extinguishes after the fuel pump is turned on and illuminates shortly after the pump is turned off. With the pump running, open the fuel cap and listen for fuel returning to the tank.

10.2.12 Run the engine to check for leaks. Carry out an engine run, reference Flight Manual, Normal Operating Procedures, Before Takeoff (Engine Run-up).

10.2.13 Install the engine cowlings.

10.2.14 Make the appropriate log book entry.

11. Weight and Balance: The effect on the weight and balance of the aircraft is negligible.

12. Electrical Load Data: Not Applicable.

13. Availability: Contact Diamond Aircraft or your Diamond Aircraft Parts Distributor.

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.

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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