

Airworthiness Directive Schedule

Aeroplanes

Diamond DA20-C1

28 February 2008

- Notes**
1. This AD schedule is applicable to Diamond DA20 Series aircraft listed on Transport Canada Type Certificates No. A-191 and FAA Type Certificate No. TA4CH.
 2. The date above indicates the amendment date of this schedule.
 3. New or amended ADs are shown with an asterisk *

Contents

DCA/DA20/1	Aileron Controls – Inspection and Modification	2
DCA/DA20/2	Rudder Pedal – AFM Amendment and Modification	2
* DCA/DA20/3	Fuel System – Inspection and AFM Amendment	3

DCA/DA20/1 Aileron Controls – Inspection and Modification

Applicability: Model DA 20 A1 aircraft, S/Ns 10002 through 10110.

Requirement: To prevent the aileron control jamming, visually inspect the inside of the left and right wings for the presence of foreign objects by using a suitable light and mirror, and modify the aileron pushrod fairings of the left and right wings, per the instructions in Diamond Aircraft Alert Service Bulletin No. DA20-57-02.

(Transport Canada AD CF-96-07 refers)

Compliance: Within the next 10 hours TIS, unless already accomplished.

Effective Date: 27 April 2006

DCA/DA20/2 Rudder Pedal – AFM Amendment and Modification

Applicability: Model DA-20-A1 aircraft, S/Ns 10002 through 10287.

Requirement: To prevent the rudder pedals jamming, accomplish the following:

1. Amend the flight manual limitations section to indicate that spinning is not permitted.

Brief all pilots to make them aware that spinning is not permitted.

Install a placard on the cockpit instrument panel, in letters at least 5mm high, in the vicinity of the existing limitations placard located above the airspeed indicator to read:

SPINS PROHIBITED

Note 1: The AFM may be amended by inserting a copy of this AD at the beginning of the flight manual limitations section.

2. Modify the aircraft per the instructions in Diamond Aircraft Service Bulletin No. DA20-53-01A.

(Transport Canada AD CF-97-09 refers)

Note 2: Installation of the modification per SB DA20-53-01A terminates the mandated spinning restriction and the flight manual amendment, and the cockpit placard may be removed.

Compliance: 1. Before further flight, unless already accomplished.

2. By 27 May 2006, unless already accomplished.

Effective Date: 27 April 2006

* **DCA/DA20/3 Fuel System – Inspection and AFM Amendment**

Applicability: Model DA20-C1 aircraft, S/N C0001 through to C0473 fitted with a Teledyne Continental Motors (TCM) engine IO-240-B13B or IO-240-B17B.

Requirement: To prevent in-flight engine shutdown, accomplish the following:

1. Fuel System Maintenance Requirements:

1.1. For aircraft currently fitted with fuel system components that have been in service for less than 100 hours TIS, accomplish the maintenance instructions in paragraph 10.2 of Diamond Aircraft Mandatory Service Bulletin (MSB) No. DAC1-73-05 revision 1.

1.2. For aircraft that have experienced engine operation abnormalities in the last 100 hours TIS (including an unstable fuel system set up or an inconsistent idle), accomplish the maintenance instructions in paragraph 10.2 of MSB No. DAC1-73-05.

1.3. For aircraft that have had the mechanical fuel pump P/N 649368-49A1, 649368-52A1 or 649368-54A1 replaced since delivery, accomplish the maintenance instructions in paragraphs 10.3 and 10.3.1 of MSB No. DAC1-73-05.

1.4. For all aircraft listed in the applicability section of this AD change the orientation of the in-line filter housing per the instructions in paragraph 10.4 of MSB No. DAC1-73-05.

2. Aircraft Flight Manual Amendment and Placard Replacement:

2.1. Amend the Aircraft Flight Manual (AFM) and include revision 23 dated 11 December 2007.

Note: This AFM revision mandates the following limitations:
Mandatory Preflight Idle Mixture Rise Limitation: 50 RPM Minimum,
Minimum Ground Idle Speed Limitation: 975 RPM Minimum, and
The removal of limitations for stalls and intentional side slips for aircraft fitted with the altitude compensating fuel system.

2.2. Insert a copy of this AD in the AFM and advise flight crew of the changes introduced by revision 23.

2.3. Remove placards P/N 22-1130-00-37, 22-3911-00-36 and 22-1130-00-33 and install placards P/N 22-1130-00-38, 22-1130-00-39 and 22-1130-00-40 per the instructions in paragraphs 10.5 and 10.5.1 of MSB No. DAC1-73-05.

(Transport Canada AD CF-2007-27R1 refers)

Compliance: 1.1, 1.2, 1.3 & 1.4 Within the next 100 hours TIS or by 29 May 2008, whichever occurs sooner.

2.1, 2.2 & 2.3 Before further flight after requirements 1.1, 1.2, 1.3 & 1.4 have been accomplished.

Effective Date: 28 February 2008.