

SERVICE BULLETIN



Service Bulletin No.: DA20-92-05 Rev 0

Date Issued: 27 May 2013

Title: Operational Limitations

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- 1. ATA Code:** 9200
- 2. Effectively:** DA 20-A1, Serial numbers 10002 and subsequent.
- 3. General:** This Service bulletin (SB) provides instructions for requirements to meet 'Spinning Only' operation as well as 'Night VFR' operation.
- 4. Compliance:** Optional. Required for operation in 'Night VFR' conditions in EASA member countries.
- 5. Approval:** Engineering data referenced or contained in this Service 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 or tool acquisition.

7. Material:	Part Number	Description	Qty
	20-3910-04-31	Label, Day and Night VFR	1
	DA202, Rev 18 (For 912-F3 engines)	Aircraft Flight Manual	n/a
	DA202-100, Rev 6 (For 912-S3 engines)	Aircraft Flight Manual	n/a

- 8. Special Tools:** none
- 9. References:** DA20-A1 Aircraft Maintenance Manual, Document # DA 201

10. Accomplishment Instructions:

10.1 'Spinning Only' operation:

10.1.1 Replace the existing Limitation Placard with the 'day and night' limitation placard (20-3910-04-31) shown in Figures 1.

This airplane is classified as a very light airplane approved for day and night VFR only, in non-icing conditions. All aerobatic manoeuvres, except for intentional spinning which is permitted with flaps UP only, are prohibited. See Flight Manual for other limitations.

Figure 1:

NOTE: This placard does not give authorization for "Night" VFR operation. Steps 10.2.1 to 10.2.4 must also be performed before performing "Night" VFR operation.

10.2 'Night VFR' operation:

10.2.1 Replace the existing Limitation Placard with the 'day and night' limitation placard (20-3910-04-31) shown in Figures 1.

This airplane is classified as a very light airplane approved for day and night VFR only, in non-icing conditions. All aerobatic manoeuvres, except for intentional spinning which is permitted with flaps UP only, are prohibited. See Flight Manual for other limitations.

Figure 1:

10.2.2 Install photo-luminescent placards in accordance with service bulletin DA20-92-04, if not already performed.

10.2.3 Install cockpit night lighting in accordance with service bulletin DA20-33-03, if not already performed.

10.2.4 Ensure minimum equipment stated in the Aircraft Flight Manual (See Step 10.2.5 for appropriate manual) is installed for night VFR operation.

10.2.5 Incorporate into AFM:

10.2.5.1 Revision 18 or later TCCA approved revision into the AFM Document # DA202 with 912-F3 engines.

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10.2.5.2 Revision 6 or later TCCA approved revision into the AFM Document # DA202-100 with 912-S3 engines.

10.3 Clean the work area and inspect for foreign objects.

10.4 Make a log book entry that this Service Bulletin has been incorporated.

11. Weight and Balance: The incorporation of these placards has a negligible effect on the weight and balance of the aircraft. If additional equipment is installed from steps 10.2.2 to 10.2.4, then amend the aircraft weight and balance accordingly.

12. Availability: Contact Diamond Aircraft Industries Inc., Canada

13. Electrical Load Data: No impact to the electrical load.

14. 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. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this Service Bulletin if it is not incorporated. 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.

Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad, London, Ontario, Canada N5V 1S2

*Customer Support: Phone: (519) 457-4041 Fax: (519) 457-4045 Email: custsupp@diamondair.com
Technical Publications: Phone: (519) 457-4030 Ext. 3173 Email: Techpubs@diamondair.com*

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