

# SERVICE BULLETIN



**Service Bulletin No.:** DAC1-71-03 Rev 0

**Date Issued:** 19 May 2004

**Title:** Winterization Kit

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**1. ATA Code:** 7100

**2. Effectivity:** Diamond Aircraft Industries Model DA20-C1 Aircraft

**3. General:** A new winterization kit has been developed, consisting of the existing winterization kit cowlings outlet blocks plus new cowlings inlet blocks. This kit improves engine operating temperatures at low outside air temperatures. Below 32°F (0°C) the inlet and outlet blocks may be used together. Between 32°F (0°C) and 54°F (12.5°C) either the inlet or outlet blocks may be used. Above 54°F (12.5°C) both blocks must be removed. Operation of the aircraft with this winter kit is described in AFM Supplement 2, Rev. 17 or higher.

The accomplishment instructions cover installation of the mechanical provisions for the cowlings inlet blocks.

**4. Compliance:** Optional

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

**6. Labor:** 1 hour

*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.*

<b>7. Material:</b>	<b>Part</b>	<b>Description</b>	<b>Qty</b>
	22-7160-21-00	Baffle, LH, Cowling Inlet	1
	22-7160-22-00	Baffle, RH, Cowling Inlet	1
	2600-4W	Stud, Wing, Camloc	4
	2600-SW	Retaining Ring, Camloc Stud	4
	212-12N	Receptacle, Camloc	4
	CCR244SS-3-03	Rivet, Nut Plate	8
	22-1120-00-32	Placard, Two Stage Winter Kit	3

The above material may be ordered as kit DAC1-71-03-AMK0.

**8. Special Tools:** Recommended: Camloc 2600 series receptacle drill guide

**9. References:** DA20-C1 Maintenance Manual (AMM), Document number DA201-C1.

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## 10. Accomplishment Instructions:

- 10.1 Remove upper cowling from aircraft.
- 10.2 Locate the baffles in the inlets of the upper cowling.
- 10.3 Using the 0.25" (6.4mm) pilot holes in each baffle, locate and install the Camloc receptacles on the inside of the upper cowling with the supplied rivets. Open Camloc holes in cowling to 0.375" (9.5mm).
- 10.4 Install the Camloc studs in the baffles using the supplied retaining rings.
- 10.5 Install upper cowling.
- 10.6 Remove existing winter kit placards from upper cowling and outlet blocks.
- 10.7 Install new Two Stage Winter Kit Placards at same locations as original placards.

**11. Weight and Balance:** No change

**12. Availability:** Contact Diamond Aircraft Parts Department

## 13. Credit Terms and Conditions

**Labour 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.*

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