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## No. CF-68-03

### AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

### CF-68-3 CONSOLIDATED (Originally CF-PBY-5A-68-3)

Applies to all Model PBY-5A and 28-5ACF aircraft which have been modified to the Aerial Tanker Configuration in accordance with Field Aviation Company Report No. 4562 (Aircraft Type Approval No. A-24, Issue 8, Item 602), which contain turnbuckles, Field Aviation P/N B82135.

Compliance: not later than the next 1,000 cycle inspection of the door operating mechanism, install new tripod assembly turnbuckles in accordance with paragraph (a) below unless already accomplished and perform repetitive inspections as specified in paragraph (b) below.

As a result of cracking of turnbuckle, Field Aviation P/N B82135, accomplish the following:

(a) Replace old turnbuckles, P/N B82135 (six per aircraft) with new turnbuckles, P/N B82187 in the following manner:

(1) Rework three threaded holes in tripod heads, P/N F82137 (two per aircraft) to accommodate new turnbuckles by increasing size of threaded holes from 1/2-20 UNF-3A to 5/8-18 UNF-3A right hand thread for a depth of 1.50 inches in accordance with Field Aviation Drawing D82190. Rubber stamp reworked parts with P/N F82137-3.

(2) Rework tripod end tube assembly, P/N F82119-9 (four per aircraft) and tripod centre tube assembly, P/N F82119-8 (two per aircraft) by increasing the hole size in the upper end of the assembly to accommodate the new turnbuckle. Increase size of threaded holes from 1/2-20 UNF-3A to 5/8-18 UNF-3A left hand thread to a depth of 1.5 inches in accordance with Field Aviation Drawing D82190. Rubber stamp reworked tripod end tube assembly with P/N D82190-5 and tripod centre tube assembly with P/N D82190-3.

(3) Re-assemble tripod heads, P/N F82137-3, turnbuckles, P/N B82187, tripod tube assemblies P/Ns D82190-3 and D82190-5.

(4) Rig and test door operation in accordance with paragraph 2.4 of Field Aviation Maintenance Manual for the "Aerial Tanker Installation, Models A, B and C on PBY-5A Aircraft".

(b) After modification, inspect turnbuckles, P/N B82187, after the first 2,500 cycles of tank door operation for cracks using magnaflux or similar non-destructive inspection methods. Repeat this inspection every 2,500 tank door cycles thereafter.

Any cracks found during the inspections of paragraph (b) above shall be reported to the Regional Superintendent, Aeronautical Engineering.

An equivalent modification and inspection approved by the Department of Transport may be used to comply with this Directive.

Field Aviation Service Bulletins AT-68-2 and AT-68-3 dated February 19, 1968, refer to the same subject.

This Directive becomes effective April 25, 1968.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-395-2999.

2059, or <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.  
24-0022 (01-2001)

