

MD – RA

Minister's Delegates - Recreational Aviation
Représentants du Ministre - Aviation de loisir

Inspection Service

Service d'inspection

MDRA C20 MANUAL of PROCEDURES for INSPECTION of FLOATS as INSTALLED on an AMATEUR-BUILT AIRCRAFT, INSPECTION AND TECHNICAL INFORMATION RECORD

BUILDER <input type="checkbox"/> IMPORTER <input type="checkbox"/>		MD-RA REGISTRY NUMBER:	
SURNAME:		GIVEN NAME(S)	
ADDRESS:			
CITY:		PROVINCE:	POSTAL CODE:
HOME TELEPHONE:		FACSIMILE:	
BUSINESS TELEPHONE:		EMAIL:	
REGISTRATION MARKS C-			
MANUFACTURER:		MODEL:	SERIAL NO.:
STRAIGHT FLOATS <input type="checkbox"/>		AMPHIBIOUS FLOATS / <input type="checkbox"/>	
MAXIMUM TAKEOFF WEIGHT, AIRCRAFT			_____ LB <input type="checkbox"/> KG <input type="checkbox"/>
FLOATS BOUANCY			_____ LB <input type="checkbox"/> KG <input type="checkbox"/>
WOOD <input type="checkbox"/>	METAL <input type="checkbox"/>	COMPOSITE <input type="checkbox"/>	
OWN DESIGN <input type="checkbox"/>		FROM PLAN <input type="checkbox"/>	
FROM MANUFACTURER <input type="checkbox"/>			
DATE CONSTRUCTION STARTED:		DATE CONSTRUCTION COMPLETED:	
NAME of DESIGNER or SOURCE of PLANS, KIT and/or MATERIALS (ATTACH LIST IF REQUIRED):			
ADDRESS:			
CHANGE OF OWNERSHIP <input type="checkbox"/> OR ADDRESS <input type="checkbox"/>		DATE:	
SURNAME:		GIVEN NAME(S)	
ADDRESS:		CITY:	
PROVINCE:	POSTAL CODE:	TELEPHONE:	

RECORD OF INSPECTIONS					
Job number	Type	Inspector Name (Print)	Obs. Sheet No.	Date	Signature

The builder must be present for the inspection

Section 1.0 GENERALITIES

1. Is the builder incorporating any modifications to the structure which will affect flight, structural integrity of the aircraft/floats? (Y N)
If yes, give details below.

2. Is the builder using professional assistance? (Y N)
If yes, provide:
Contractor Name: _____ Telephone _____

3. What work is subject to assistance? (List below)

Section 1.4 FINAL INSPECTION

GENERAL

1. Have all covers, inspection openings, fairings, etc. been removed to allow access for proper inspection? (Y N)
2. Has the floats, (composite/wood) been painted/sealed in accordance with designer's recommendations? (Y N)
3. Does the glass cloth structure meet applicable quality standards, (no over sanding, no damaged glass cloth etc)? (Y N)

FLOAT INSTALLATION

1. Is the float installation per the drawings? (Y N)
2. Are all the float compartments properly sealed? (Y N)
3. Have all the float compartments been tested for leaks? (Y N)
4. Are all water rudder blades and posts attachments secured? (Y N)
5. Are all strut fittings to accepted practice and are end fittings in safety? (Y N)
6. Are all external braces, struts, spreader bars, etc. protected against environmental deterioration both internally and externally? (Y N)
7. Are struts free from bends and apparent defects? (Y N)
8. Are pulleys of proper diameter for bends involved, suited to cable size, and provided with cable guards? (Y N)
9. Is cable fabrication to accepted practice? (Y N)
10. Has builder access to "go-no-go" gauge to check Nico press sleeves after squeezing? (Y N)
11. Are all rigging cables properly and equally tensioned? (Y N)
12. Is all hardware throughout systems installed and safely tied? (Y N)
13. Is there a process to drain water from the floats? (Y N)
14. Set rudder retraction control to retract, do rudder blades move to full UP position? (Y N)
15. Set rudder retraction control to down, do rudder blades move to full DOWN position and there no tension on cable?(Y N)
16. Are baggage compartment walls and floor to specifications and covers seal correctly? (Y N)
17. Are all the controls required for floats operation, easily accessible to the pilot with harness secured? (Y N)
18. Are all the placards required for floats operation, installed and visible to the pilot? (Y N)

Controls	Test conditions	Test results	
Water rudder	Rudder pedals neutral	Both float rudders perfectly in trail	(Y N)
	Right rudder pedal full forward	Both float rudders full deflection right	(Y N)
	Left rudder pedal full forward	Both float rudders full deflection left	(Y N)

AMPHIBIOUS FLOATS

Place floats on jacks at support points.

1. Are brake system components and lines or cables installed and safely tied? (Y N)
2. Are wheels and brakes in good condition? (Y N)
3. Are tires sound with good tread? (Y N)
4. Did inspector witness the operating function of the retraction test? (Y N)
5. Emergency release (back up). Is pilot able to operate this control with harness fastened? (Y N)

IDENTIFICATION PLATES

1. Does each float has a fireproof identification plate* installed, (Y N)

* The identification plate must show the following information:

BUILDER NAME

FLOAT MODEL DESIGNATION

FLOAT SERIAL NUMBER, (separate serial number for each float)

