

N398CM

RC-3 Serial Number 387 Zero Timed Restoration Details

WING GROUP: Complete disassembly of wings, flaps, ailerons, lift struts, floats, and float struts. Strip paint to bare metal, hot dip etch for corrosion removal, alodine dip, and epoxy prime, w/BMS 10-11. Reassemble by riveting.

New Components:

- (2) Upper lift strut end fittings
- (2) Lower lift strut end fittings
- (1) WEA wing end rib
- (2) Float struts
- (2) Float jury struts
- All hinge bushings
- All assembly hardware

Modifications:

- Simuflight Wing Extensions
- Simuflight Drooped Wing Tips
- Simuflight Landing Light System

EMPENNAGE GROUP: Complete disassembly of horizontal stabilizers, elevators, elevator torque tube assembly, vertical stabilizer and rudder.
Strip paint to bare metal, hot dip etch for corrosion removal, alodine dip, and epoxy prime w/ BMS 10-11. Reassemble by riveting.

New Components:

- (2) Rudder & Vert. Stabilizer light socket castings
- (2) Rudder nose ribs
- (2) Rudder travel stop plates
- (2) Lower rudder formed hinge pair
- (4) Forward elevator hinges
- (2) Forward (mid and upper) rudder hinges
- (2) Elevator trim tab hinges
- (2) Elevator trim tab horns
- (2) Elevator trim tab actuator rods
- (4) Elevator trim tab flex shafts
- All hinge bushings
- All assembly hardware

Overhauled Components:

- (2) Elevator trim gear boxes

Modifications:

- Adjustable hinged rudder trim tab

HULL BOTTOM GROUP: Complete disassembly of forward bow skins and forward keel.

Strip paint to bare metal, hot dip etch for corrosion removal, alodine dip, and epoxy prime w/ BMS 10-11. Reassemble all bottom components with polysulfide sealant.

New Components:

Forward bow skins
(7) Forward bottom hat sections
(2) Formed step stiffeners
Aft bottom skin
Aft keel
(4) Aft bottom hat sections

Modifications:

Simuflight wide spray rails
Edo hydraboosters

FUSELAGE GROUP:

Remove, strip, epoxy finish horizontal and vertical firewalls. Remove, strip, etch, alodine and epoxy prime rear carry through spar. Strip paint, etch, alodine and epoxy prime entire fuselage and tail boom. Install firewalls with polysulfide sealant.

New Components:

Fuel bladder
Stainless steel fuel drain tube assembly
Station 56 bulkhead
(2) Fuselage lift strut fitting
Forward carry through spar
Grey tint cabin windows
Window seal retainer strip
Water rudder post, stop bracket, and horn
Water rudder post housing and hat channel
Water rudder blade

Modifications:

Simuflight aft bulkhead removal
WEA folding rear seat
Piper pilot and co-pilot seats
WEA flush fuel filler
WEA cabin floor storage bins
Simuflight cabin heater system
WEA bilge pump system

Overhauled Components:

Southwind Cabin Heater

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CABIN DOOR GROUP: Remove lower outer main and bow door skins.
Strip paint to bare metal, hot dip etch for corrosion removal, alodine dip, and epoxy prime w/ BMS 10-11.
Fit doors to airframe.

New Components:

Lower outer main door skins
Lower outer bow door skin
Door latches
Door handles
Door weather strip
Bow door hinges

Modifications:

Simuflight 180 degree main door hinges
WEA bow door prop

POWERPLANT GROUP: New Components:

Skytronics 100 amp alternator
Skytronics magneto harness
Boost pump
Vacuum pump
Lord shock mounts
Engine mount legs
Engine exhaust system
All fuel and oil hoses
Engine control cables
Lycoming fuel servo adapter

Overhauled Components:

Lycoming IGSO-480 340 HP 0.0 SMOH Engine
Bendix RSA 10 fuel injector assembly
Starter
Magnetos
Fuel pump
Oil cooler
Tach generator

Modifications:

Simuflight IGSO-480 engine conversion

FLIGHT CONTROL SYSTEM: Installation and rigging

New Components:

All control cables
All cable fair leads
All control pulleys
All assembly hardware
Trim cable, chain, and housing

Overhauled Components:

Rudder pedal assembly
Control yoke assembly and linkage

Modifications:

Rams Horn control wheels
Black hard anodized control yoke tube
Teflon yoke tube bearing

ELECTRICAL SYSTEM: **New Components:**

Complete wiring harness
Starter and battery master relays
Whelen wing tip strobes
All circuit breakers and switches
Aft cabin and firewall terminal boards
Dual 12 volt batteries

PROPELLER GROUP: **New Components:**

Hartzell HC-A3V20-3L Propeller
Reverse control valve assembly
Prop control cables

Overhauled Components:

Woodward Governor (including core)

**LANDING GEAR AND
HYDRAULICS GROUP:**

All landing gear and hydraulic components (including flap actuator system) completely disassembled and inspected. All bushings replaced to new tolerances.
All parts etched, alodined or cadmium plated and epoxy primed.

New Components:

All assembly hardware
All seals and O-rings
Tires and tubes
Wheel bearings

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New Components (cont.):

Tail shock absorber donuts

Tail shock absorber spacers

Tail wheel fork

Tail wheel spindle friction washer

All hydraulic lines and fittings

Overhauled Components:

Power Pak 430 Hydraulic unit

Landing gear actuators

Flap actuators

Ground and chrome plated strut tubes

Modifications:

Simuflight Cleveland Disc Breaks

Simuflight Electric Hydraulic System

Modified stroke main gear cylinder