

Service Letter #: SL05-56-15145

Date: 10/08/12

Part/Assembly #: 56-15145/56-15170 Tie Rod Fitting [Inspection & Replacement of]

Float Model Affected: Aerocet Model 5850 Twin Seaplane Float installation on DeHavilland DHC-2 "Beaver" (All)

Symptom: Reported corrosion of aluminum fitting beneath tie rod clevis in parts with extensive marine service and prolonged inspection intervals. Regular inspection at normal intervals will prevent possible failures due to corrosion-weakened fittings.

Approval: This SL reflects FAA Approved design changes and current recommended inspections, and does not require FAA approval.

Corrective Action: NONE – no required action, suggested action only.

During next regular inspection per Aerocet Service Manual, A-10034, Rev 1 or later, include partial disassembly of the lower ends of the tie rods at the Aerocet fittings for all tie rods (crossing wires). Particular attention should be focused beneath the tie rod clevises for indications of corrosion. Parts exhibiting corrosion should be replaced.

Original 56-15145 (now designated with a "-1") is easily identified as painted aluminum. Replacement part, 56-15145-2, is constructed from corrosion resistant steel (stainless), not painted.

Tools Needed:

1. Aircraft hoist.
2. Standard assortment of hand tools such as sockets and end wrenches.
3. Work light or flashlight.
4. Magnifying glass for visual inspections.
5. Calibrated Torque wrench capable of not less than 100 in-lbs.

Materials Needed:

1. Corrosion inhibiting compounds, as listed in the Aerocet Service Manual.

Inspection and Replacement

1. Hoist and support the aircraft and floats suitably, floats off of the floor. Refer to installation instructions in the service manual, Sections 2.3, 2.4, 2.4.6 for specifics.

See following page for illustrated examples of the lower tie rod installations described above.

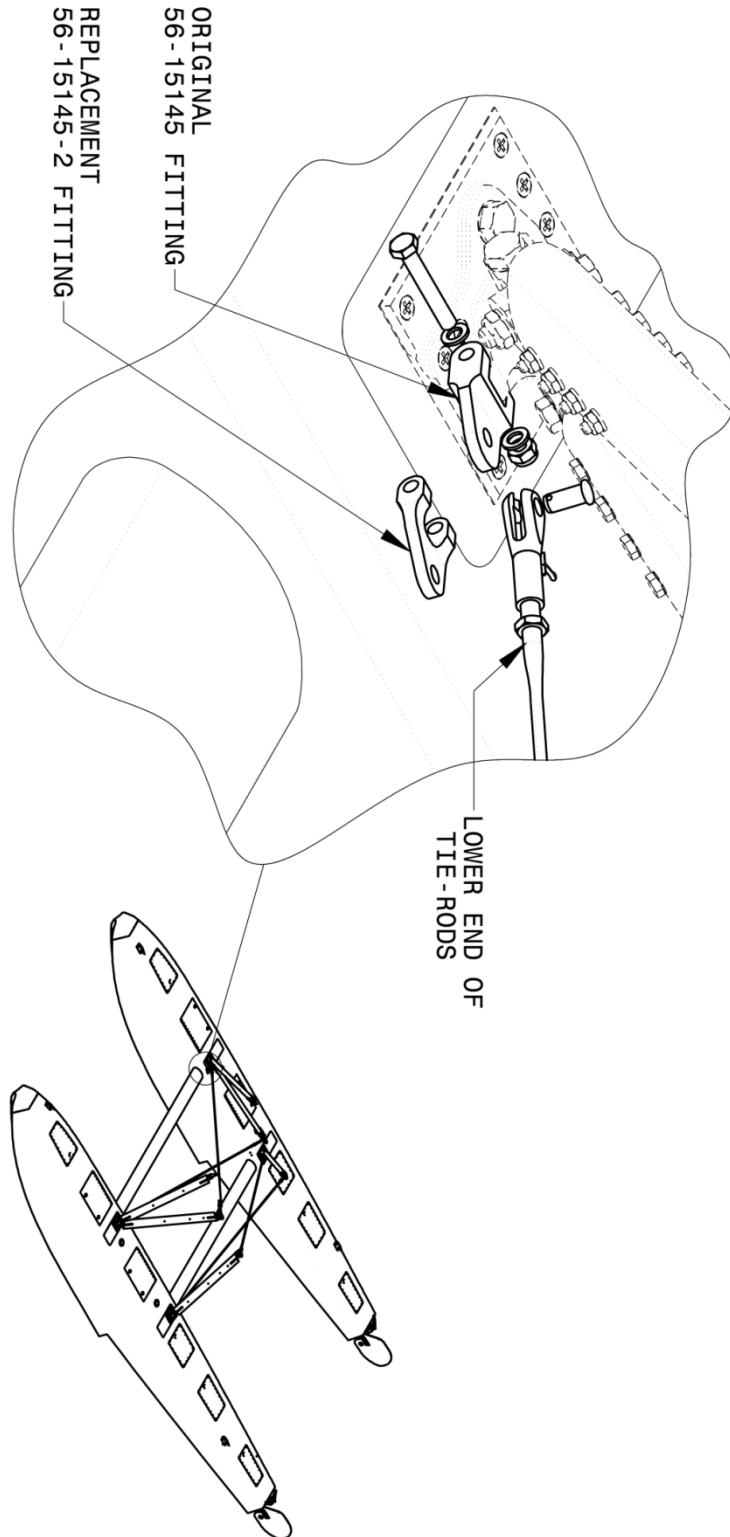


Figure 1 - Showing lower tie rod installation
(Reference Service Manual, Parts Catalog, Figure 17)

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