

SERVICE KIT: #39

DATE: November 13, 2002

SUBJECT: Installation – Retainer - Pin Shock Strut

MODEL: 3000, 3450 Amphibian Floats.

<u>Item</u>	<u>Quantity</u>	<u>Part No.</u>	<u>Description</u>
1.	2	30A04000-120	Ass'y – end shock strut lower
2.	2	30A04476-004	Retaining pin
3.	2	30A04459-002	Sleeve
4.	2	MS24665-151	Cotter pin

INSTALLATION INSTRUCTIONS:

REMOVAL:

1. Remove access covers over main gear tunnel.
2. Remove gear indicator arm.
3. Remove aft track spreader plate, ref figure 6-7. (Ref. Service Manual)
4. Aircraft fuel tanks to be full, and then apply enough weight to floats to release pressure on retaining pins in top of shock struts. Protect and evenly distribute weight on float so it will not be damaged. Examples: lead shot, sandbags, containers filled with water. This can also be accomplished with water. This can also be accomplished with several people sitting on the float. Weight varies with each installation.
5. Remove cotter pins and remove retaining pins from shock strut.
6. Remove weight from aft end of floats.
7. Jack and block aircraft per Section 4. and figure 6-3 of your Service Manual. Note: Jack close to rear step bulkhead and spread load over 1.5 – 2' on keel or you will damage the keel. Raise float to 12" from keel to ground.
8. Remove tires and brakes.
9. Use hand pump and raise gear until shock struts come apart.
10. Remove bolt that attaches shock strut to gear drag link.
11. With shock strut out remove rubber donuts, spacers, bushing and grease zerk.

ASSEMBLY:

12. Assemble 21A04000-075 lower end shock strut, existing rubber donuts, spacers, bushing and grease zerk.
13. Install lower end shock strut assembly in gear drag tube and bolt together.
14. Use hand pump to lower gear to the down position, line up holes in pin and bushing.
15. Reinstall tire and brake.
16. Lower Aircraft to ground, apply enough weight to install retaining pin and bushing.
17. Line up cotter pin holes and install cotter pin.
18. Install track spreader plate.
19. Install gear indicator arm in shock strut.
20. Install access cover on float.
21. With installation complete, Do Complete Gear Cycle. Raise Aircraft off ground Ref.: Note 7.

NOTE: periodic checking for corrosion is necessary in this area of the float, and it depends on corrosion conditions in your area.

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