



SERVICE KIT NUMBER 82			
TITLE: STERN BULKHEADS, LOWER FLANGE REINFORCEMENT			
BY: K. TAYLOR	AIRCRAFT MAKE/MODEL(S): FIREBOSS AIR TRACTOR 802 & 802A	FLOAT MODEL(S): 10000	NOTE(S): OPTIONAL COMPLIANCE S/L P/N 1005512 ECO 22619
APP: R. ADLER			
DATE: 7-Dec-11			
REV: B			

FAA APPROVAL HAS BEEN OBTAINED FOR TECHNICAL DATA IN THIS PUBLICATION THAT AFFECTS STC OR TSO DESIGN COMPLIANCE

EFFECTIVITY:

This service letter applies to all S/N 10118 and prior Wipline model 10000 amphibian floats, as installed on "Fireboss" Air Tractor 802 and 802A aircraft. This service letter applies to Air Tractor 802/802A aircraft equipped with STC SA01795CH.

COMPLIANCE:

Service letter compliance is optional and recommended.

BACKGROUND:

Certain aircraft operated in rough water or operated in a high-cycle water scooping environment may experience cracking of the lower stern bulkhead flanges below the lower water rudder post attachment. This service letter and associated kit reinforce the lower bulkhead flanges of the stern bulkheads to assist in load transfer and reduce probability of cracking.

TECHNICAL DATA:

See Service Letter (SL) number 126 for technical accomplishment instructions.



KIT CONTENTS:

The following parts are included in this service kit:

1. Two (2) each, angle doublers P/N 1005621 and 1005622.

The following materials and hardware will be required to accomplish the service letter instructions, and are not included with this kit:

- a) Universal head, P/N MS20470AD4 rivets where angle overlaps the water rudder attachment machining. These may also be replaced with AD5 rivets.
- b) Universal head, P/N MS20470AD6 rivets where keel overlaps angles.
- c) Universal head, P/N MS20470AD5 rivets for attaching angle to bottom skin and bulkhead.
- d) Sealant, approximately 2 oz, Pro-Seal P/N 890-B2 or -B4 or Sikaflex P/N 201 or 252, or equivalent.

NOTES:

1. All rivet lengths approximately 1.5 X diameter, or as required for necessary bucking.

END