



AUSTFLIGHT SB DRIFTER OWNERS ONLY

REFERENCE - STI AF - SBC -98-009

May 8th 1998.

SPECIAL TECHNICAL INSTRUCTION

It has been reported to the factory that a 1500 hour training strut braced aircraft was found with surface cracking to the lower strut attachment fittings.

PROBLEM

This fracture appears to occur adjacent to the lower radius area of the fork section which attaches over the fuselage anchor plate.

This condition could be the result of excessive clearance between anchor plate material outside diameter and strut attachment fork inside diameter, combined with attaching bolt over tightening causing excessive side loading on the fork.

PROCEDURE

Clean lower strut attachment fittings clear of paint or clear protective finish. Inspect with magnifying glass and or aerosol crack detecting spray e.g. Turco Dy-Chek.

Removal of the lower strut attachment fitting is not required for inspection unless desirable to do so.

ACTION

Check these attachment fittings before next flight and inspect as per procedure every 50 hours of operation.

RECTIFICATION

Due to improved machining practises these tolerances have been diminished thereby extending the durability and serviceability of these components. However, periodic inspection should still be carried out.

Should replacement be required the improved strut ends are available from the manufacturer in semi-finished condition which requires the three attachment bolts AN3-20A holes to be drilled using the original fittings as templates. If or when this is required installation procedure will be supplied with the strut end.


MATERIAL

No material required to carry out inspection however worn or damaged bolts or strut ends found unserviceable to be replaced as required.

ATTACHMENT

Illustration of relevant area included with this STI i.e. Section 3-10 illustration and material listing. Drawing SBC-003-121.

AUSTFLIGHT ULA PTY LTD

Authorised by: 
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R. Eacott
Workshop Manager

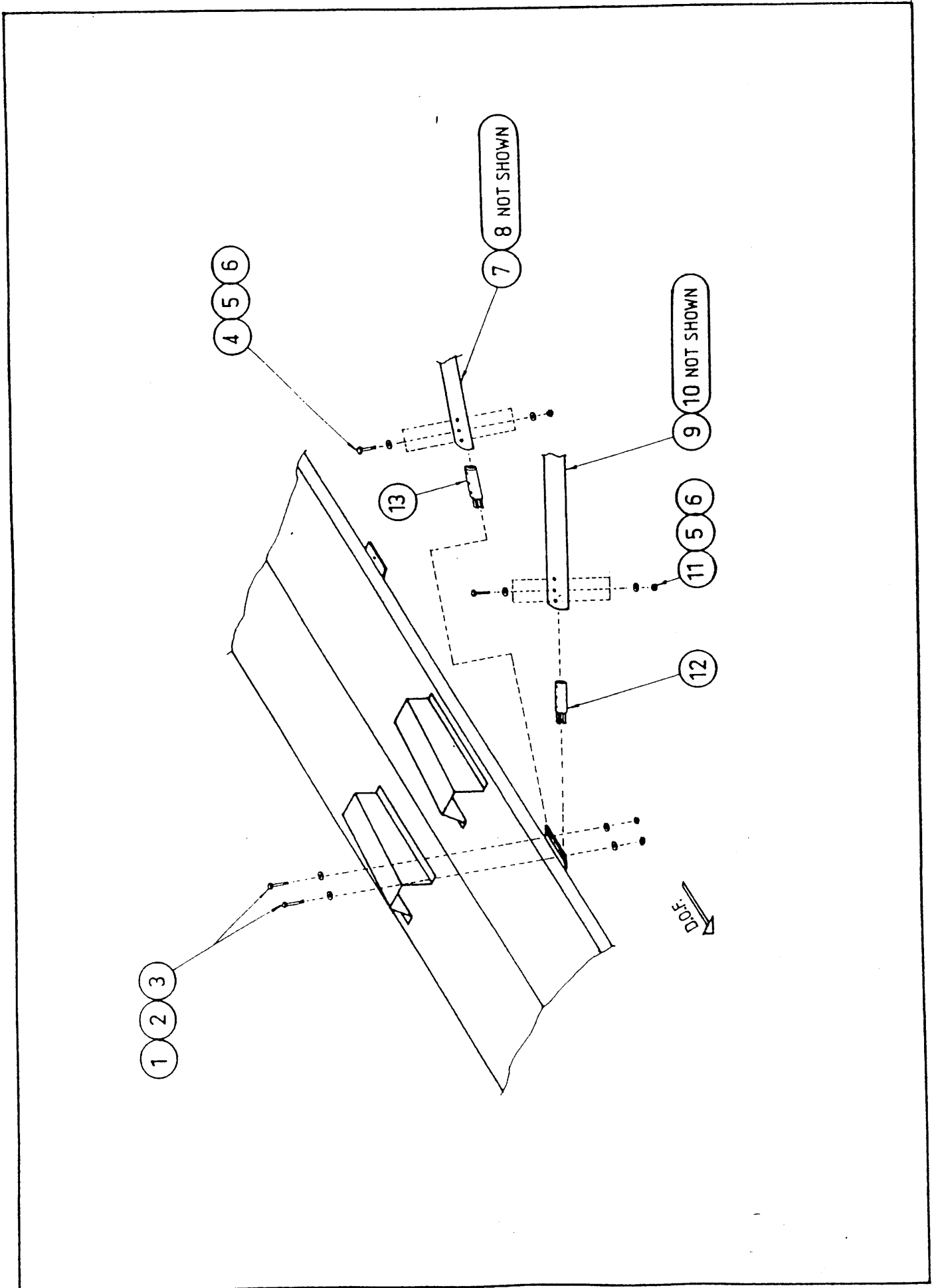
Distribution:

Direct to all Drifter SB aircraft owners.

cc: C.A.S.A. Airworthiness Office - Archerfield Brisbane
A.U.F. Canberra

Drifter

SECTION 13-10.



AUSTFLIGHT ULA PTY LTD**SB-582
ILLUSTRATED PARTS CATALOGUE****SECTION 3 - 10****LIFT STRUT TO FUSELAGE**

ITEM	DESCRIPTION	PART NO.	QUANTITY
1	BOLT	AN-4-12A	4
2	FLAT WASHER 1/4	AN960-416	8
3	NYLOC NUT 1/4	MS21044-N4	4
4	BOLT	AN3-14A	6
5	FLAT WASHER	AN960-10	24
6	NYLOC NUT	MS21044-N3	12
7	REAR LIFT STRUT L.H.	SBC-3-320	1
8	REAR LIFT STRUT R.H. (NOT SHOWN)	SBC-3-420	1
9	FRONT LIFT STRUT L.H.	SBC-3-125	1
10	FRONT LIFT STRUT R.H. (NOT SHOWN)	SBC-3-225	1
11	BOLT	AN3-20A	6
12	FORWARD STRUT LOWER ATTACHMENT	SBC-3-121	2
13	REAR LOWER LIFT STRUT FITTING	SBC-3-322	2

