

**RESTRICTED**

*A.P.4347D, F, J, K & L, Vol.6, Part 2*

*A.L.60, July 67*

**GROUP D TAIL UNIT**

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Leaflet No.*

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## FIN

**Repair to fin main skin**

1. Where the fin main skin has cracked in the area of the bottom interspar rib, it may be repaired as shown in this leaflet. Reference should be made to the following repair drawing:-

**RD.399 REPAIR TO FIN MAIN SKIN**

2. The recommended sequence of operations is as follows:-

- (1) Remove the fin as laid down in the appropriate Vol.1, Sect.1, Chap.3.
- (2) Remove cover plate Part No. A.183897 by removing the pop rivets attaching it to the bottom interspar rib.
- (3) Remove the appropriate fixings, cut and remove the affected portion of skin as shown on RD.399.
- (4) Cut and remove the necessary portion of interspar rib B as shown on R.D.399.
- (5) Cut and remove the necessary portion of flange of rib aft of rear spar as shown on RD.399.

3. The following repair material will be required:-

Ref.No.	Part No.	Description	Size	Specification	Remarks
26FX/NIV	D.222456/4	Reinforcing angle (port)	-	-	To replace retrospective
26FX/NIV	D.222456/5	Reinforcing angle (stbd.)	-	-	Mod.621 angles
30A/2515	-	Sheet, stainless steel	18 s.w.g.	S.520	For item 1 and 6
30A/2510	-	Sheet, stainless steel	22 s.w.g.	S.520	For item 2, 3, 7 and 8



bed and stages, paleozoic and post-II (P.)  
diverse inozoic benthos from 1500 ft.  
greatest ad. 5150.8.04. about 2 ft  
from surface. 1500 ft.  
post-II

Ref.No.	Part No.	Description	Size	Specification	Remarks
30B/1732	-	Sheet, aluminium alloy	20 s.w.g.	L.72	For item 4 and 9
30B/1730	-	Sheet, aluminium alloy	18 s.w.g.	L.72	For item 5 and 10
28Q/7943	A.S.164/304	Rivets, csk/hd.	3/32 in. dia.	L.37	
28Q/7655	A.S.164/404	Rivets, csk/hd.	1/8 in. dia.	L.37	
28Q/7656	A.S.164/405	Rivets, csk/hd.	1/8 in. dia.	L.37	
28Q/8147	A.S.164/406	Rivets, csk/hd.	1/8 in. dia.	L.37	
28Q/8149	A.S.164/506	Rivets, csk/hd.	5/32 in. dia.	L.37	
28Q/9040	A.S.164/507	Rivets, csk/hd.	5/32 in. dia.	L.37	
28Q/9534	A.S.164/508	Rivets, csk/hd.	5/32 in. dia.	L.37	
28Q/1650	A.S.156/404	Rivets, sn/hd.	1/8 in. dia.	L.37	
28Q/1660	A.S.156/405	Rivets, sn/hd.	1/8 in. dia.	L.37	
28Q/9417230	AGS.2050/524	Rivets, pop, dm/hd.	5/32 in. dia.	D.T.D.10	
28D/12528	A.25/1/B	Bolts, H.T.S.	4B.A		
28M/13086	A.27/B/P	Nuts, M.T.S.	4B.A		
28W/9419474	SP.15/B	Washers, aluminium alloy	4B.A.		
	100/FH/190/3	Jo-bolt, csk/hd.	3/16 in. dia.		
	100/FH/190/4	Jo-bolt, csk/hd.	3/16 in. dia.		

## TAILPLANE

## Replacement of worn hinge blocks in tail-plane

1. Where tailplane movement exceeds the dimensions shown on RD.441 due to wear the tailplane attachments in the fuselage are to be rectified in accordance with leaflet B.3/17 and the tailplane hinge blocks and caps renewed as shown in this leaflet. The following repair drawing is included with this leaflet:-

## RD.441 - REPLACEMENT OF WORN HINGE BLOCKS IN TAIL PLANE

2. The recommended sequence of operations is as follows:-

- (1) Remove the tailplane from the fuselage as shown in A.P.4347, Vol.1.
- (2) Remove the access panels from the top surface of the tailplane in the

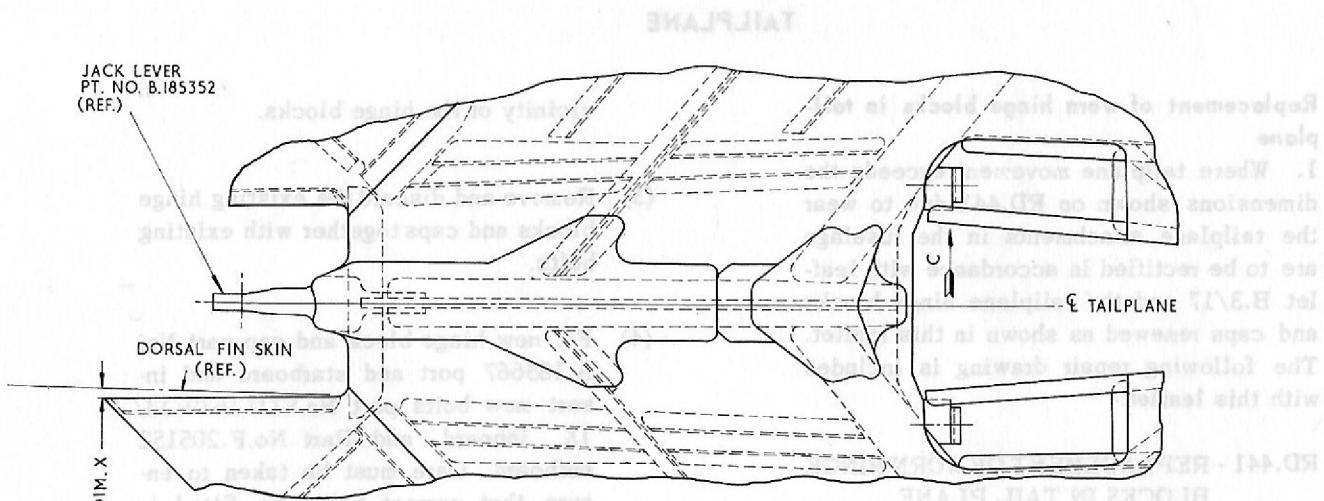
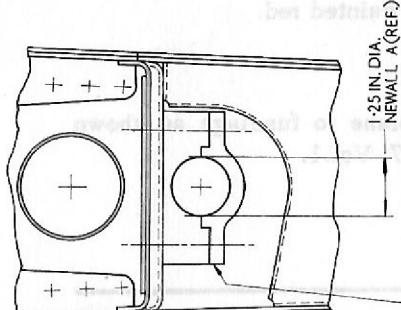
3 The following repair material will be required:-

Ref.No.	Part No.	Description	Size	Specification	Remarks
26FX/591	A.185667	Hinge Block & cap			For renewal of worn parts
26FX/4899	F.205152	Bolt			
26FX/592	STD.1639/13/JX	Bolt hex/hd.			

vicinity of the hinge blocks.

- (3) Remove and discard the existing hinge blocks and caps together with existing bolts.
- (4) Fit new hinge block and cap part No. A.185667 port and starboard and insert new bolts part No. STD.1639/13/JX inboard and Part No. F.205152 outboard. Care must be taken to ensure that correct bolts are fitted in correct positions. Incorrect positioning of bolts will damage the threaded block attached to the tailplane rear spar. Heads of bolts Part No. F.205152 and hinge block cap in area of bolt head to be painted red.
- (5) Refit tailplane to fuselage as shown in A.P.4347, Vol.1.

## RESTRICTED

TYPE: HUNTER MK. 4, 6, 7, 8, 9, 10 & 11		UNIT: TAILPLANE	
ISSUE NO.	1	DATE: 7.6.67	DRAWN: J. TRETHOWAN
APPD.	H.S.A. LTD.		
 <p>1.25 IN. DIA. NEWALL A (REF.)</p> <p>HINGE BLOCK &amp; CAP PT. NO. A.185667 1 OFF PORT 1 OFF STBD. BOLT STD. 1639-13-JX 4 OFF INBD. (4 OFF INBD.) BOLT PT. NO. F.205152 4 OFF OUTBD.</p> <p>VIEW ON ARROW C</p>			
<p>REPLACEMENT OF WORN HINGE BLOCKS IN TAILPLANE</p> <p>RD.441</p>			

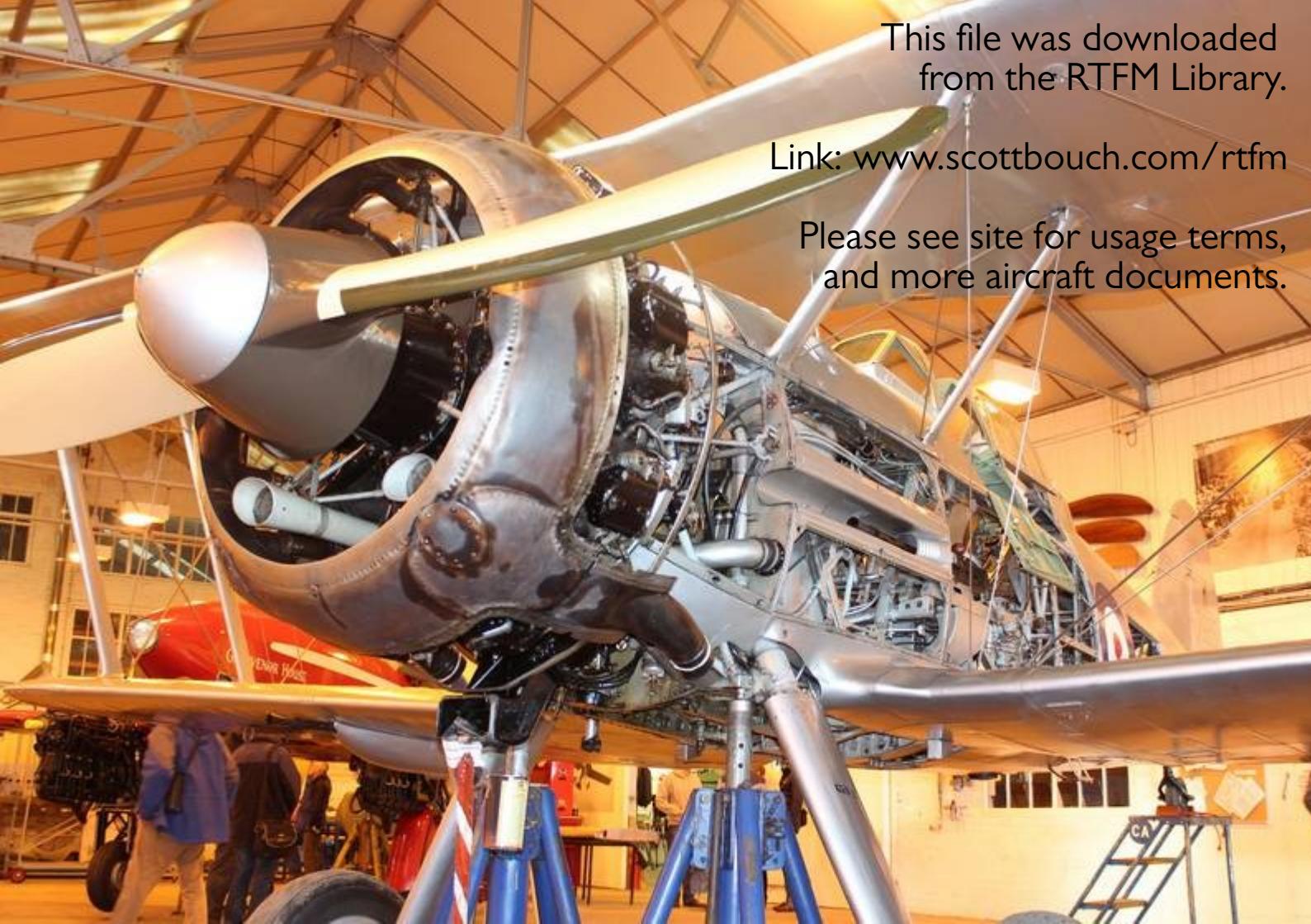
NOTES

1. WITH THE TAILPLANE INCIDENCE IN THE NORMAL POSITION DIMENSION X MUST NOT EXCEED .060 IN. WHEN MEASURED WITH A DIAL GAUGE. IF THIS DIMENSION IS EXCEEDED THE REAR FUSELAGE AT FRAME 52 MUST BE RECTIFIED IN ACCORDANCE WITH LEAFLET B.3/17 AND THE FOLLOWING ITEMS IN THE TAILPLANE ARE TO BE RENEWED.

HINGE BLOCK & CAP PT. NO. A.185667 PORT & STBD.  
BOLT STD. 1639-13-JX 4 OFF INBD.  
BOLT PT. NO. F.205152 4 OFF OUTBD.

2. HEADS OF BOLTS PT. NO. F.205152 AND AREA OF CAP LOCAL TO THESE BOLTS TO BE PAINTED RED.

R

A large propeller aircraft, likely a Douglas C-47 Skytrain, is displayed in a museum hangar. The aircraft is positioned on a blue hydraulic lift, with its front landing gear extended. The engine and propeller are visible on the left side. The interior of the aircraft is partially open, showing the cockpit and the engine compartment. The aircraft is surrounded by museum exhibits, including a red and white airplane in the background and various informational displays. The hangar has a high ceiling with exposed structural beams and lighting fixtures.

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