



ADP No. HUU13700

SI/HUNTER/137

5 July 1982

From: CENTRAL DEFECT AUTHORITY

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A SI/HUNTER/137

MAINPLANE: UNDERCARRIAGE PIVOT FITTINGS: CRACKING:

B. 1 Hunter all marks.

2 Not applicable.

C. Further cases of undercarriage pivot fittings cracking have been reported since complying with STI/HUNTER/375, additionally a case of a bearing cap failure has been reported. STI/HUNTER/419 was raised to deal with the pivot fitting but not proceeded with. R.E.I 852 was raised to check the bearing caps but was never issued. This instruction introduces regular checks on both items.

D. 1 a At the next and subsequent Minor Servicing ^{= 240 hrs} (RAF). Within 45 weeks and subsequently at 45 weeks periodicity, (RN)

b (1) Jack and trestle the aircraft i.a.w the relevant Air Publication.

(2) Mark the Port and Stbd, front and rear Bearing Caps Pt No F192513 (Ref 26FX 1424306) and F192514 (Ref 26FX 1424307) to ensure correct reassembly.

(3) Remove the Port and Stbd Undercarriage Legs i.a.w relevant Air Publication.

(4) Thoroughly clean all the areas, indicated in Figs 1 and 2 attached of accumulated dirt. i.e Front & Rear Bearing Caps ends and Rear Pivot Fittings inboard and outboard radii.

(5) Check the Bearing Caps for cracks using CSDE/TECHNIQUE PFD6 (AP119A-20003-1)(RAF), NATEC/HUNTER/DYE PENETRANT/No 1 (RN) in the areas indicated in fig 1 attached.

(6) Check the Pivot fittings for cracks using CSDE/TECHNIQUE PFD6 (AP119A-20003-1)(RAF), NATEC/HUNTER/DYE PENETRANT/No 1 (RN) in the areas indicated in fig 2 attached.

(7) Renew any Caps or Fittings found cracked.

(8) Refit Undercarriage Legs i.a.w relevant Air Publication.

c Inspection only, 2 manhours.

2 Not applicable.

E 1 RAF Certify on F720M, record on mainplane F735A, call up subsequent applications on supplementary record sheet and Certify subsequent applications on F720M. RN. Record IAW AP100N-0140 ART 2213.

2 Not applicable

F Nil

G 1 SI/HUNTER/124 has been included in the topic 5 and does not satisfy any part of this instruction.

2 Servicing schedules will be amended.

H 1 Nil

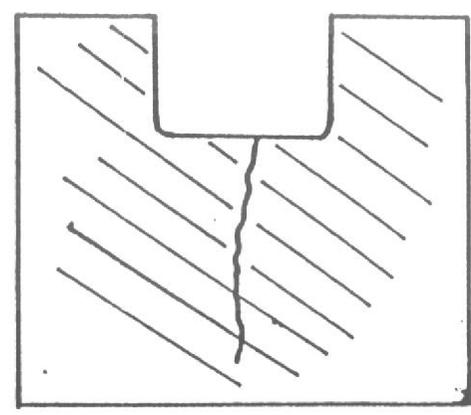
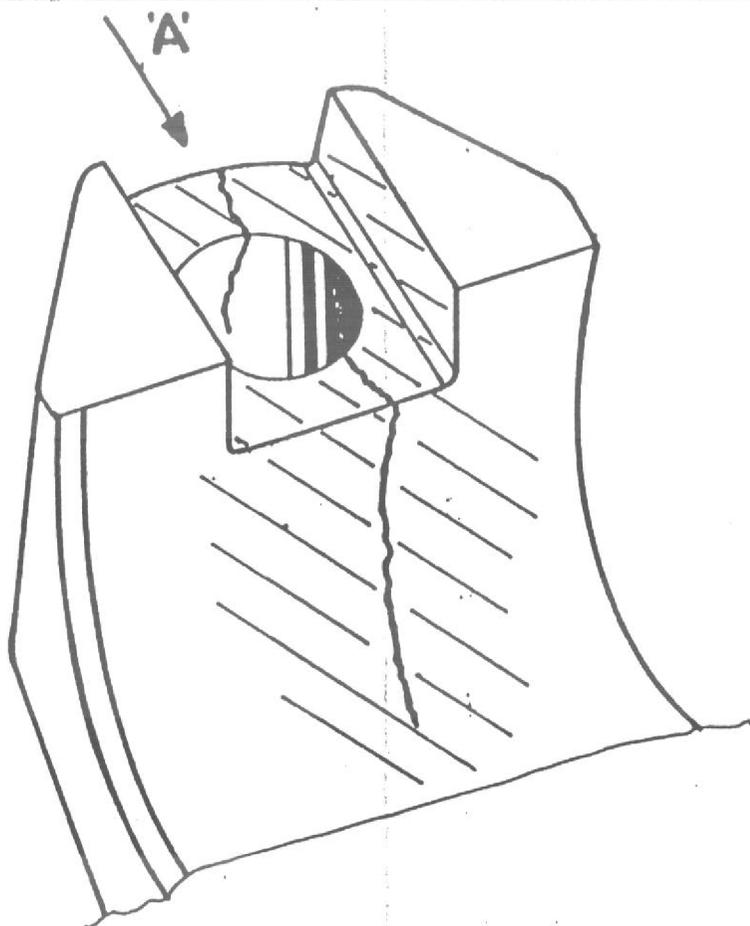
2 Not applicable.

Issued on behalf of
HQ Strike Command
DEA for MOD(AFD)
Tel: High Wycombe 26200 Ext 2070
HQ File: STC/51305/1 Strike Eng 14

Issued on behalf of
Ministry of Defence
DGA(N)
Tel: 01-632 Ext 5463
File:D/AD(N)/135/21/5



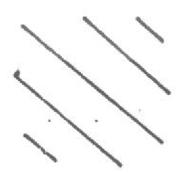
(R M MARTIN)
pp Head of Central Defect Authority



VIEW ON ARROW 'A'

BEARING CAP F192513-4 (Ref 26FX/4243067) (SPARES)

(Pt.No. B179062-3 IS ORIGINAL FIT)



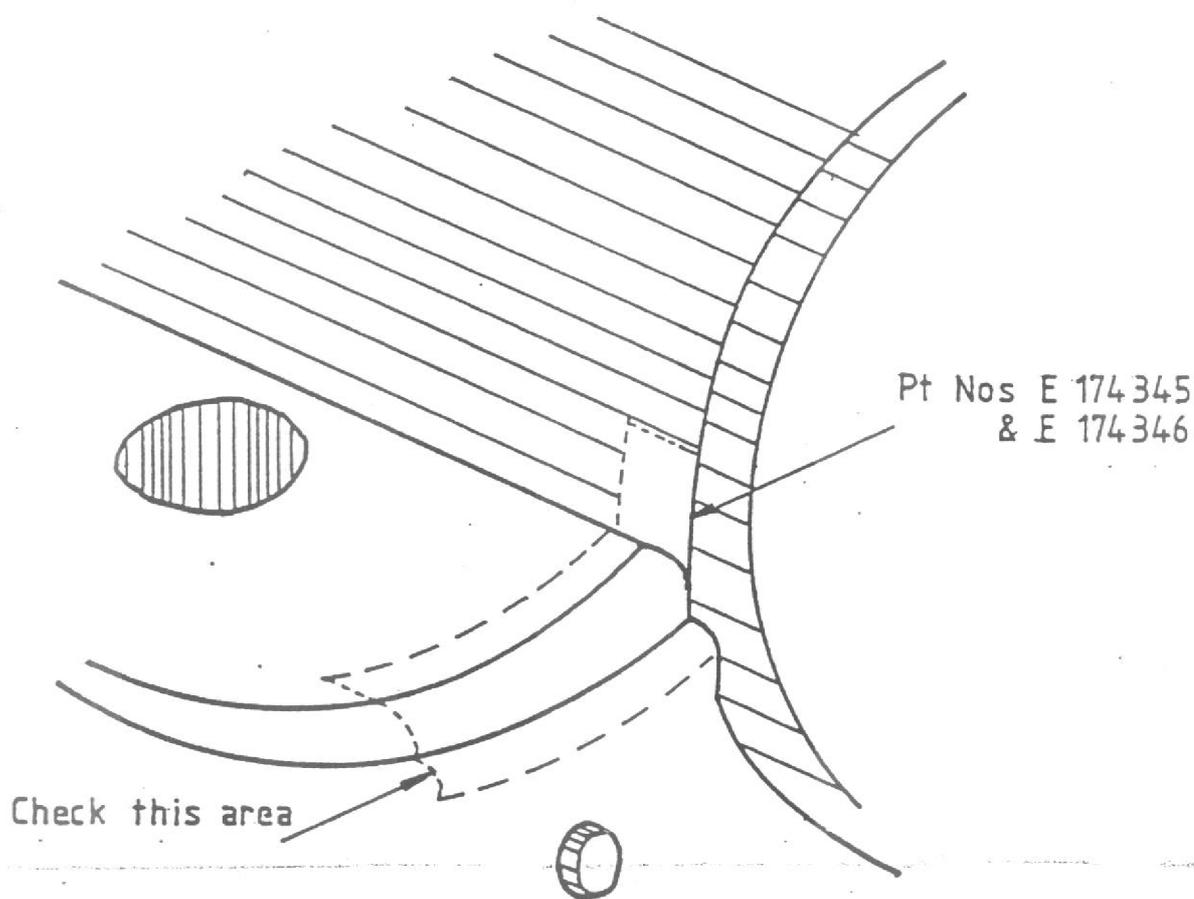
AREA SUBJECT TO
STRESS CORROSION CRACKS
TO BE INSPECTED USING
DYE PENETRANT

FIG 1

SI/HUNTER/ 137

SCRAP VIEW BEARING CAP FACE

CAP & BOLT REMOVED



Port inboard drawn,
outboard opp hand,
Stbd opposite.

S.I. /HUNTER/ 137

Fig 2

2

3

4

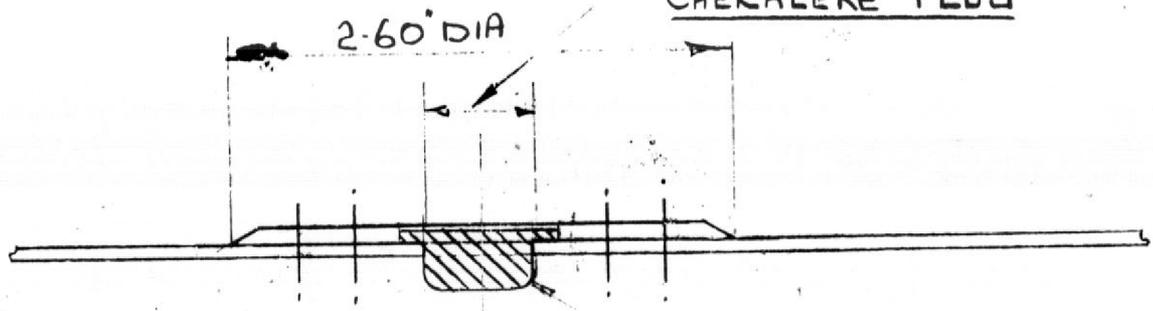
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B44312.

SKETCH NO.

9/16" DIA HOLE IN SKIN FOR CHEKALEKE PLUG

2.60" DIA

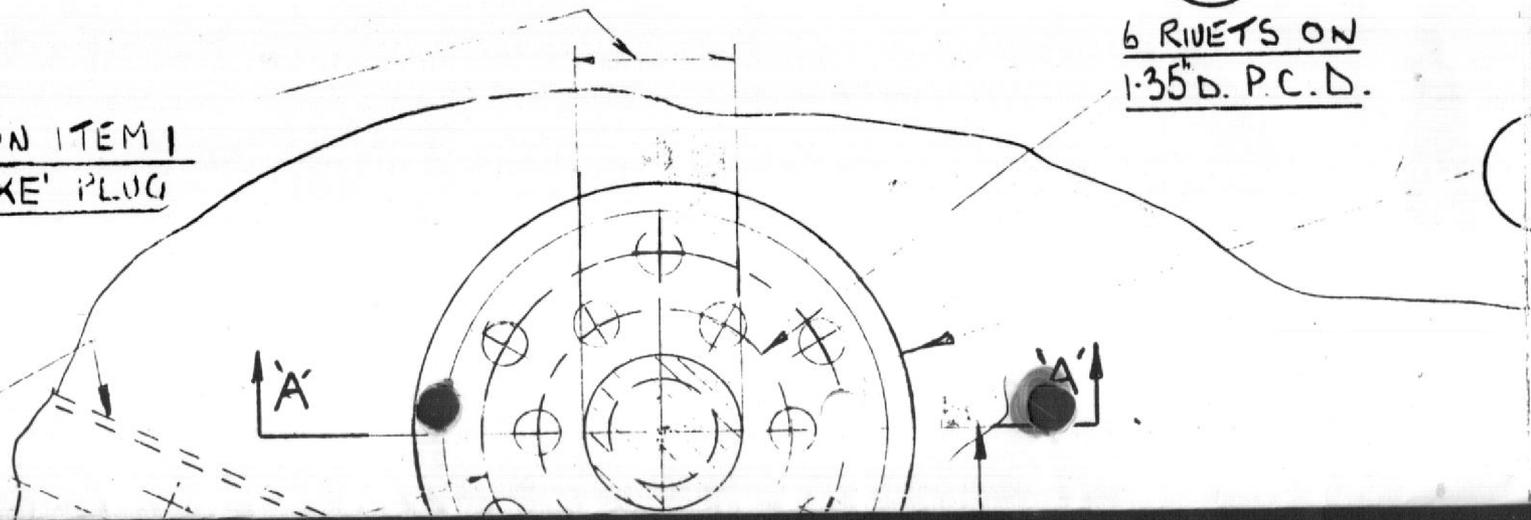


SECTION A-A'

(2) LSHOWN CK.

6 RIVETS ON 1.35\" P.C.D.

27/32\" DIA HOLE IN ITEM 1 FOR 'CHEKALEKE' PLUG



INTERSPARK RIB 'B'

(REF)

6 RIVETS ON
1.95" P.C.D.

C

3

DRILL HOLE IN SKIN & ITEM 1
.128"-.131" DIA. CSK. .042" DEEP
IN ITEM 1

B

5.10° APPROX

VIEW ON PORT SIDE
STBD. SIDE SIMILAR.

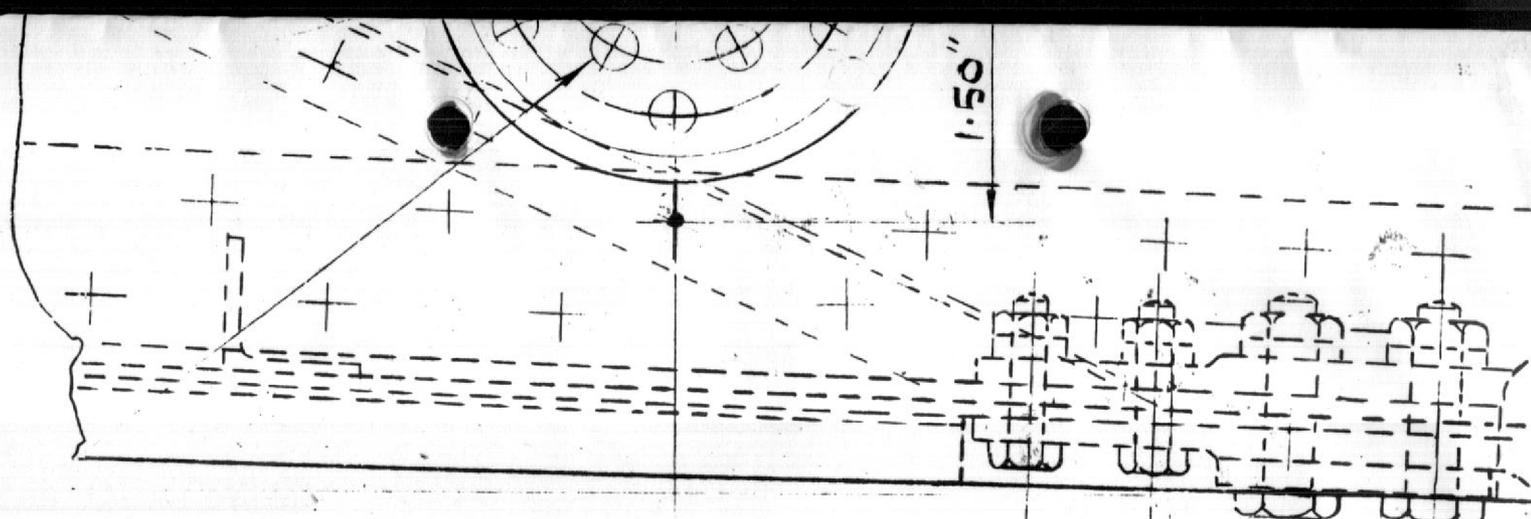
A

NIG BANDA

2

3

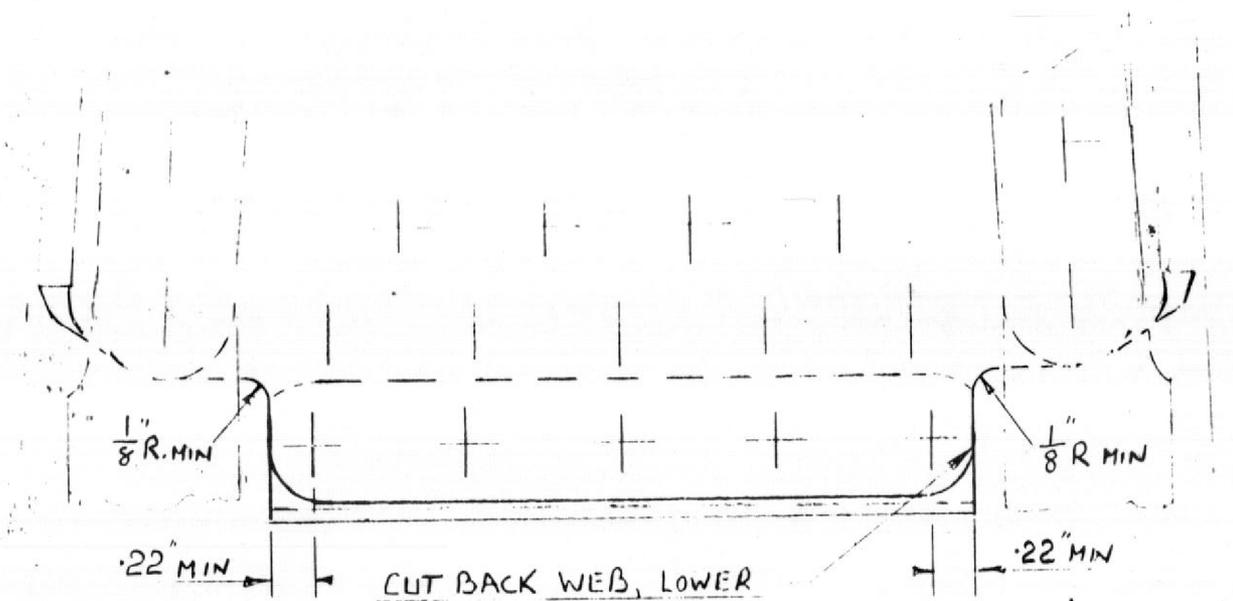
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| 5 | | 6 | | | 7 | | 8 | |
|-------|---------|---------|---------|---|----------|------------------|---|--------|
| ISSUE | | DISCONT | | | REF. No. | DRG. OR PART No. | DESCRIPTION AND REMARKS | No OFF |
| | 28-1-77 | C | 24/8/76 | B | 16-8-76 | A | INSPECTION HOLE IN FIN SKIN ADJACENT TO REAR ATTACHMENT | |
| | | | | | | | 1 B.44312-1 REINF. PLATE 16 SW.G. L.A. L-72 | 1 |
| | | | | | | | 2 B.44312-2 "CHEKALEKE" PLUG No. 15. | |
| | | | | | | | 3 AGS.2066-0407 AVDEL RIVETS | 12 |

(AS HATCHED)

EDGE CHAMFERED
30° AS SHOWN

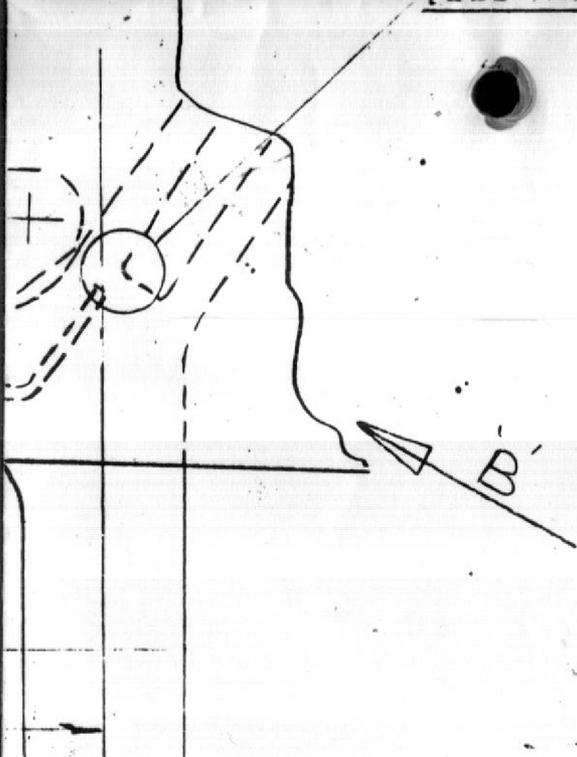


CUT BACK WEB, LOWER RIB FLANGE AND REINFS PLATE TO DIMS SHOWN

SCRAP VIEW ON ARROW B
MAY BE INCORPORATED FOR N.D.T. PURPOSES

CORNER OF RIB ATTACHMENT FITTING
TO BE INSPECTED. PORT & STBD.

G
F
E
D



NOTES

1. ACCESS HOLES ARE REQUIRED PORT & STARBOARD SIDES FOR ENDOPROBE INSPECTION OF CORNERS OF REAR ATTACHMENT FITTINGS
2. NO ADHESIVE TO BE USED TO RETAIN CHECKLEAK PLUG.
3. FOR ALL FURTHER DETAILS SEE DRG. NO. D.281863
4. FOR USE WITH ~~SH~~ HUNTER 126

REAR ATTACHMENT FITTINGS

135

| | | | | | | | | | |
|--|--------------------------|-----------|--------|--------------------------------|----------------------|-----------|--------------------------|--|--|
| TITLE: INSPECTION HOLE IN FIN SKIN ADJACENT TO REAR ATT. FITT. | | | | | UNIT FIN. | | | | |
| TYPE | HUNTER | ALL MRFs. | | | | | | | |
| ASSEMBLY | | | | | | | | | |
| QUANTITY | | | | | | | | | |
| ALTERNATIVE MATERIAL | HEAT TREATMENT STD. 1360 | | | PROTECTIVE TREATMENT STD. 1000 | | | GENERAL LIMITS STD. 1600 | | |
| DRAWN 16.8.76 S. IRESHOWAN. | CHECKED C. Withman | 16/8/76 | TRACED | CHECKED | APPROVED A. S. H. | SCALE 1:1 | | | |
| HAWKER SIDDELEY AVIATION LTD., KINGSTON. | | | | | SKETCH NO. B.44312 | | | | |

5

6

7

8

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