

19 February

From: CENTRAL DEFECT AUTHORITY
 Ministry of Aviation Supply, St Giles Court, St Giles High Street, WCO
 Tel No 01-636-3644 Ext 474

- A SI/HUNTER/116
 NOSE UNDERCARRIAGE: MAIN FITTING: CRACKING
- B 1 Hunter FMk6, TMk7, TMk8, GAMk9, FRMk10, GAMk11 and Mk12.
- 2 Nose Undercarriage, Type Nos 7878.Y.MkB (27Q/1676) and 2.00108.001 (27Q/1446000), and Sub-assembly of Main Fitting, Part No C.4530 Y 52 (27Q/13680) held as spare or in Store.
- C Cases have occurred of nose undercarriage main fittings cracking in the bore due to stress corrosion in the flash plane.
- D 1 a At the next Primary Star Servicing (RAF) within 14 weeks of both this Instruction (RN) and of the necessary probe equipment for CSDE Technique Hunter/Ult/6 (RN Hunter/Ult/2), and at every subsequent Primary Star Servicing, (RAF) 28 weeks (RN).
- b (1) Loosen the strap and remove the nameplate from the main fitting.
- (2) Using Paint Stripper Jelly (33B/9429260), or other approved means, remove the paint from an area 2 inches wide either side of the flash plane at the front and rear over the bottom 9.75 inches of the forging and from an area 2 inches wide each side of the grease nipple near the bottom end of the forging.
- (3) Examine the undercarriage main fitting in accordance with CSDE Ultrasonic Technique No Hunter/Ult/6 (RAF) or NATEC Ultrasonic Technique No Hunter/Ult/2 (RN).
- (4) Where the main fitting is found to be serviceable, restore the paint finish as necessary.
- (5) Where crack indications are found:
- (a) Remove the nose undercarriage.
- (b) Dismantle it in accordance with AP 1803E, Vol 1, Sect 6
- (c) Thoroughly clean the main fitting, ensuring that all internal grease is removed.
- (d) Re-examine the main fitting in accordance with CSDE Ultrasonic Technique No Hunter/Ult/6 (RAF), NATEC Ultrasonic Technique No Hunter/Ult/2 (RN).
- (e) Where crack indications persist, return the unit to Dowty Rotol Limited, Cheltenham Road, Gloucester, quoting this Instruction as authority.

(f) Where no cracking indications are found, the main fitting is considered satisfactory. Reassembly the unit in accordance with AP 1083E, Vol 1, Sect 6, Chapt 6. Restore the paint finish as necessary, and refit the nameplate and strap.

(g) Refit the nose undercarriage and fulfil undercarriage functional checks in accordance with current test procedure.

c 1 Man hour (Examination only).

8 hours (Paint drying time).

2 a Prior to installation or issue.

b Satisfy Para D1b of this Instruction as applicable.

E 1 F700, F3592 and Supplementary Servicing Record Sheet (RAF) or IAW AP(N)14OART2213 (RN).

2 Mark the unit "SI/HUNTER/116" adjacent to the data plate using Lacquer, opaque yellow (33B/9429181) (for RAF), Golden Yellow Touch Up Finish 33B/1403 Anti Corrosion Kit (for RN).

F Report all defects by signal to MOD Mech Eng 4B (RAF), MOD Harrogate SM33C (RAF), MAS CDA, copy to RTO/H, HSA Ltd, Kingston and RTO/A, Dowty Rotol Ltd, Gloucester. Follow up with F1022 or A21.

G Nil.

H 1 Nil.

2 No.

Issued on behalf of
Ministry of Defence
Mech Eng 4B (RAF)
Tel: 01-930-7022 Ext 7758
MOD File Ref: AF/CX709/70/6
and
DGA/N
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T S LAW
Central Defect Authority

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