

8 April, 1971

From: CENTRAL DEFECT AUTHORITY
 Ministry of Aviation Supply St Giles Court, St Giles High Street WC2H 8LD
 Tel No. 01-636-3644 Ext 474

A SI/HUNTER/102A
 MAIN UNDERCARRIAGE JACKS, CYLINDER FAILURE
 (NO RN APPLICATION)

B.1 Hunter F MK 6, T MK 7, GA MK 9, FR MK 10, MK 12.

2 Main undercarriage jacks 07965 PA03 (27Q/1877), 07965 SA03 (27Q/1878), A7965YA (27Q/1371) and A7965YB (27Q/1372) held as spare or in Store.

C Repeated failures have occurred of jack cylinders due to stress corrosion cracking. An ultrasonic inspection of all main undercarriage jack cylinders is required.

D.1 a Within 7 Days of receipt of this Instruction, and thereafter at intervals not exceeding 2 months.

b (1) With the jack in situ on the aircraft examine the jack cylinder for stress corrosion cracks using the Ultrasonic method detailed in C.S.D.E/Hunter/Ult/2C.

NOTE: QOs i/c at Contractors works can obtain a copy of the NDT Technique from CDA, on application. Mintech formations requiring advice or assistance regarding the Technique should refer to Q/Labs2c, Harefield.

(2) Where the cylinder is found to be satisfactory, no further action other than recording, is necessary.

(3) Where the cylinder is suspected as being defective, the jack is to be removed from the aircraft and re-examined with the paint removed, in the area of the suspected crack. Should the defect be confirmed the jack is to be replaced by a new item on which this Instruction has been satisfied. The defective jack is to be returned to Dowty Rotol Ltd together with a sample of the hydraulic oil in the system at the time of the defect being located, quoting this Instruction as the authority.

NOTE: The sample should be taken from the closest part of the system in the vicinity of the jack.

(4) Where, after the re-examination, the cylinder is found to be satisfactory restore the paint finish where necessary as detailed in AP2656A, Vol 1 refit to the aircraft.

(5) Fulfil any necessary functional tests.

c $\frac{1}{2}$ Manhours

2 a Before installation or issue.

b Satisfy this Instruction.

MINTCH OUL HAREFIELD KINGSTON ROAD	
13/4/71	
REG. No.	FILE

MAD 1348
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