

2 July 1970

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

- A SI/HUNTER/114
 NOSE UNDERCARRIAGE JACK: PISTON STOP: FAILURE
- B 1 Hunter Mk 6, 9, 10, 11 and 12, fitted with items listed in para B2 below
- 2 Nose Carriage Jacks, Type Nos. 7583 Y (27Q/1235), 07583 Y A02 (27Q/1879), 103020019 (27Q/71318) and 103031018 (27Q/1235) which have achieved 1400 hours, held as spare or in Store.
- C Cases have occurred where the hexagon head of the Piston Stop, Part No. 365 Y 5 (27Q/12790), has broken off causing severe internal damage to the nose undercarriage jack. The failures were due to cracking in the 0.02 inch blend radius underneath the heads of the piston stops.
- It is desirable to replace the piston stops after each period of 1400 hours but, until supply conditions facilitate the replacement, periodic examination is necessary.
- D 1 a At the next and each subsequent Minor (240 hour) Servicing, pending the replacement of piston stops which have achieved 1400 hours (as soon as practicable after receipt of new items).
- b (1) Jack up the aircraft, and remove the nose undercarriage jack.
- (2) Dismantle the jack as detailed in AP 1803D, Vol 1 Book 4 Sec 10, Chap 62 Para 7, and withdraw the piston assembly.
- (3) Withdraw the split pin, and unscrew the Piston Stop, Part No 3654 Y 5 (27Q/12790).
- (4) Inspect under the head of the piston stop for cracks in the area of the 0.02 inch blend radius using an approved dye penetrant technique.
- (5) Where cracking is not evident, the piston stop may be refitted to the jack.
- (6) Where cracking is found fit a new piston stop. Assemble and test the jack in accordance with AP 1803D, Vol 1, Book 4, Sec 10 Chap 62 and Chap 62 Appendix 2. The further application of this instruction may be suspended until a further 1400 hours have been achieved.
- (7) Refit the nose undercarriage jack to the aircraft and fulfil retraction tests in accordance with current instructions. Lower the aircraft off the jacks.
- c 3 Manhours (excluding jacking and testing)

MINTON QUALITY ASSOC. DIVN. HAWKER SIDDELEY STEARNS DIVL KINGSTON-ON-THAMES	
-7 JUL 70	
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