

14th May, 1969

From: CENTRAL DEFECT AUTHORITY,
Ministry of Technology, St. Giles Court, St. Giles High Street, W.C.2.
Tel. No. 01-636-3044, Ext. 474

CLASS 1

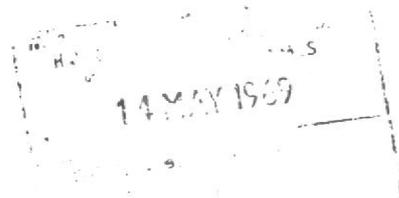
- (A) Servicing Instruction/Hunter/104
ECU : Fuel System Air Transfer Pipe at Engine Connection:
Distortion and Cracking.
- (B) Hunter T Mk.7, 8 and Mk.11 Aircraft.
- (C) A case has occurred where the Air Transfer Pipe for the fuel system, Pt. No. B.213220 (Reference 26FX/8367), attached to the engine casing, has been found cracked around the shoulder of the brazed-in nipple. Subsequent investigation revealed that the failure was due to fatigue, aggravated by severe distortion of the pipe and damage to the union nut. Previous symptoms of fuel transfer malfunction are attributed to this failure.
- (D) 1. At the Next and each Subsequent Engine Removals, proceed as follows:-
- (a) Remove Pipe Pt. No. B.213220 (Reference 26FX/8367) from the Engine Change Unit.
 - (b) Examine the pipe for any evidence of distortion or kinking of the tungum connecting tube between the right angled block and the opposite end pipe union nuts and evidence of surface damage to the union nuts at both ends of the pipe assembly.
 - (c) Where distortion or damage is apparent, the pipe is to be replaced by a new item.
 - (d) With the aid of a strong light source, visually inspect the inside bore of the brazed-in nipple on the right angled block for cracking, especially in the area which is coincidental with the shoulder on the outside of the nipple. Where any doubt exists, pressure test the pipe to approximately 50 lb/in. 2, using suitable blanking media at one end.
 - (e) Where cracking is evident, the pipe is to be replaced by a new item.

NOTE:- Where unexplained fuel transfer warnings are experienced, this pipe should be removed and examined as a possible source of such trouble.

Estimated Man hours: $\frac{1}{2}$ on engine removal.

- (E) Record on the appropriate Forms and enter in the Supplementary Servicing Record Sheet of the Servicing Schedule.
- (F) Report defective pipes on F.1022.

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