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| U 1 | NEW RETURN VALVE, D62137 intro. 467 | | 74 | | | | | | | |
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NOTE TO USER :—
Insert relevant A.P. No. at top of page.

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(Non-return valve, D.5213Y—introduced)

A.P.4347F, Vol. 2
Leaflet No. U.1**Hunter F. Mk. 6 Aircraft—Front Fuselage, Anti 'g' and Flap and Undercarriage Emergency Services, Dowty Modification A.C./3475 (Improved Non-return Valve D.5213Y introduced in place of D.5210Y)—Introduced**

(MOD. NO. HUNTER/447.)

(Class C/3 on replacement of valve.)

(AB/A/3917.—26.5.56.)

1. INTRODUCTION

To overcome corrosion of the non-return valves in the anti 'g' and flap and undercarriage emergency systems, improved type non-return valves, Part No. D.5213Y have been introduced in place of Part No. D.5210Y (Dowty Mod. No. A.C./3475 refers).

(1) This modification does not cancel, supersede or render unnecessary, any work called for by approved modifications, Command modifications, S.T.I.s or S.I.s.

(2) This modification is not essentially connected with any other approved modification.

2. EMBODIMENT

This modification is to be embodied on replacement of valve.

3. APPROXIMATE TIME REQUIRED FOR EMBODIMENT

The work will take approximately 5 man-hours.

4. DRAWINGS REQUIRED

There are no drawings required for the embodiment of this modification.

5. PARTS AND SPECIAL TOOLS REQUIRED**(1) Parts and Materials**

(a) The following items are required, and are to be provided under Unit arrangements:

| <i>Stores Ref.</i> | <i>Part No.</i> | <i>Nomenclature</i> | <i>Qty.</i> | <i>Class of Store</i> |
|--------------------|-----------------|----------------------------------|-------------|-----------------------|
| 27Q/1539 | D.5213Y | Valve, non-return | 3 | A |
| 30A/3055 | — | Wire, 22 s.w.g. stainless steel, | As reqd. | C |
| or | | D.T.D.189 or D.T.D.161 | | |
| 30A/2343 | | | | |

(2) Special Tools and Test Equipment

There are no special tools or test equipment required for the embodiment of this modification.

6. SPARES AFFECTED

There are no spares affected by this modification.

7. CHANGE OF STORES REFERENCE, PART AND ASSEMBLY NUMBERS

There are no changes of Stores Ref., Part or Assembly Nos., as a result of this modification.

8. SEQUENCE OF OPERATIONS

The following is the sequence of operations:—

(1) Remove the pilot's ejection seat (A.P.4288, Vol. 1, Section 6 refers).

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(2) Dissipate the pressure in the air bottles (situated on the front face of frame 14) of the anti 'g' system, the flap emergency system and the undercarriage emergency system by opening the bleed valves located on the neck of each bottle.

(3) Disconnect and remove the non-return valve, Part No. D.5210Y from each system, and replace with new valve, Part No. D.5213Y.

Note.—All pipe connections must be locked with 22 s.w.g. stainless steel wire, D.T.D.189 or D.T.D.161.

(4) Recharge the flap emergency, undercarriage emergency and anti 'g' air bottles (A.P.4347F, Vol. 1, Section 2, Chapter 2 refers).

(5) Replace the pilot's ejection seat (A.P.4288, Vol. 1, Section 6 refers).

9. TESTING AFTER EMBODIMENT

When this modification has been embodied and inspected in accordance with current procedure, the following tests are to be carried out:—

Test for leakage at the points broken down during embodiment of the modification.

10. RECORDING ACTION

Record on Form 700.

11. DISPOSAL OF REDUNDANT PARTS

The undermentioned part rendered redundant by the embodiment of this modification is to be returned to No. 25 Maintenance Unit, Hartlebury:

| <i>Stores Ref.</i> | <i>Part No.</i> | <i>Nomenclature</i> | <i>Qty.</i> |
|--------------------|-----------------|---------------------|-------------|
| 27Q/925 | D.5210Y | Valve, non-return | 3 |

12. EFFECT ON WEIGHT AND C. OF G.

This modification has no effect on weight or C. of G.

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