

## (2) De Havilland DH114 Heron Series Aircraft

UK National Airworthiness Directives previously published in CAP 476 – Mandatory Aircraft Modifications and Inspections Summary

**CAA AD No:** 2614 PRE 80

**Associated Material:** 57

**Description:** *Communications* – Introduction of a weak link in the fixed aerial wire.

**Applicability – Compliance – Requirement**

Applicable to Series 1 aircraft. Should have been embodied by 31 December 1954.

**CAA AD No:** 2615 PRE 80

**Associated Material:** 86

**Description:** *Communications* – Introduction of flexibly mounted VHF and ADF whip aerals when mounted on canopy.

**Applicability – Compliance – Requirement**

Applicable to Series 1B and 2 aircraft. Should have been embodied by 31 December 1957.

**CAA AD No:** 2616 PRE 80

**Associated Material:** 103

**Description:** *Communications* – Introduction of flexibly mounted VHF whip aerial when mounted on cabin roof.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1954.

**CAA AD No:** 2617 PRE 80

**Associated Material:** 213

**Description:** *Landing Gear* – Introduction of strengthened nosewheel shock absorber.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 January 1955.

**CAA AD No:** 2618 PRE 80

**Associated Material:** 250

**Description:** *Pneumatic* – Introduction of modified flap selector valve.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1955.

**CAA AD No:** 2619 PRE 80

**Associated Material:** 286

**Description:** *Flight Controls* – Reinforcement of spar of inner flaps.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 1 June 1954.

**CAA AD No:** 2620 PRE 80

**Associated Material:** 311

**Description:** *Fuel* – Introduction of shortened retaining cable on fuel tank filler caps.

**Applicability – Compliance – Requirement**

Applicable to all aircraft unless Modification 219 is embodied. Should have been embodied by 30 June 1954.

**CAA AD No:** 2621 PRE 80

**Associated Material:** 350

**Description:** *Fuel* – Introduction of modified wing tank filler neck packing plate to improve sealing efficiency.

**Applicability – Compliance – Requirement**

Applicable to all aircraft unless Modification 219 is embodied. Should have been embodied by 30 June 1954.

NOTE: Modification 352 is alternative to Modification 350 and is not applicable if Modification 219 is embodied.

**CAA AD No:** 2622 PRE 80

**Associated Material:** 342

**Description:** *Vacuum* – Introduction of guard for A.S.I. drain taps in forward luggage compartment.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1954.

**CAA AD No:** 2623 PRE 80

**Associated Material:** 365

**Description:** *Fuselage* – Reinforcing of rear false spar to fuselage side.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 October 1954.

**CAA AD No:** 2624 PRE 80

**Associated Material:** 373

**Description:** *Communications* – Introduction of smaller washer on flexibly mounted whip aerials.

**Applicability – Compliance – Requirement**

Applicable to all aircraft with whip aerials fitted. Should have been embodied by 31 October 1955.

**CAA AD No:** 2625 PRE 80

**Associated Material:** 475

**Description:** *Flight Controls* – Introduction of H.T.S. pin for locking stud on aileron differential pulley spindle.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1954.

**CAA AD No:** 2626 PRE 80

**Associated Material:** 485

**Description:** *Wings* – Introduction of safety device on wing leading edge toggle fasteners.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1956.

**CAA AD No:** 2627 PRE 80

**Associated Material:** 492

**Description:** *Fuselage* – Introduction of H.T. steel bottom boom for centre section spar.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. F2.

**CAA AD No:** 2628 PRE 80

**Associated Material:** 514

**Description:** *Communications* – Introduction of improvements to flexibly mounted whip aerials.

**Applicability – Compliance – Requirement**

Applicable to aircraft fitted with whip aerials. Should have been embodied by 31 October 1955.

**CAA AD No:** 2629 PRE 80

**Associated Material:** 520

**Description:** *Wings* – Introduction of H.T. steel bottom boom section.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. W4.

NOTE: Modification 524 covers this work for aircraft Serial No. 10903.

**CAA AD No:** 2630 PRE 80

**Associated Material:** 527

**Description:** *Wings* – Reinforcing of bottom skin aft of wheel well.

**Applicability – Compliance – Requirement**

Applicable to all Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. W4.

**CAA AD No:** 2631 PRE 80

**Associated Material:** 662

**Description:** *Wings* – Replacement of existing cast aileron operating lever with a forged lever.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. W3.

**CAA AD No:** 2632 PRE 80

**Associated Material:** 753

**Description:** *Flight Controls* – Improvement to rudder leading edge.

**Applicability – Compliance – Requirement**

Applicable to all Series 1 aircraft without Modification 203 embodied. Should have been embodied by 31 December 1955.

**CAA AD No:** 2633 PRE 80

**Associated Material:** 758

**Description:** *Flight Controls* – Introduction of reinforcing plate to elevator main spar at root rib.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 March 1956.

**CAA AD No:** 2634 PRE 80

**Associated Material:** 760 or 929

**Description:** *Landing Gear - Introduction of strengthened* nose leg inner casing. Introduction of strengthened nose leg inner casing incorporating an improved method of locating towing bobbins.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. U1. Should have been embodied by 30 June 1957.

**CAA AD No:** 2635 PRE 80

**Associated Material:** 810

**Description:** *Wings – Provision for stop plates for toggle fasteners at wing leading edges.*

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 31 December 1956.

**CAA AD No:** 2636 PRE 80

**Associated Material:** 811

**Description:** *Wings – Introduction of stronger toggle fastener access doors and limiting chains.*

**Applicability – Compliance – Requirement**

Applicable to aircraft with Modification 469 or Modifications 469 and 815 or 154 embodied. Should have been embodied by 31 December 1956.

**CAA AD No:** 2637 PRE 80

**Associated Material:** 887 or 919

**Description:** *Flight Controls – Introduction of modified rudder trim tab connecting rod. Introduction of non-linear rudder tab.*

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been embodied by 30 November 1956. Acceptable to Series 2 aircraft as an alternative to Modification 887 provided that fork Part No. 14TR.311 is fitted concurrently.

**CAA AD No:** 2638 PRE 80

**Associated Material:** 931

**Description:** *Wings – Introduction of packing plate between steel position of the wing spar boom and the wing skin reinforcing plate.*

**Applicability – Compliance – Requirement**

Applicable to aircraft prior to Serial No. 14083. Compliance required as detailed in Technical News Sheet No. W.4.

**CAA AD No:** 2639 PRE 80

**Associated Material:** 1093

**Description:** *Landing Gear* – Introduction of revised locking lever and jack attachment lever.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. U.13.

**CAA AD No:** 2640 PRE 80

**Associated Material:** 1303

**Description:** *Flight Controls* – Introduction of an improved method of locking bolts at flap hinge rib 7.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. W.16.

**CAA AD No:** 2641 PRE 80

**Associated Material:** 1320

**Description:** *Propellers* – Introduction of propeller feathering unit type PFD 3001 in lieu of PFD 2205.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft with Modification 220 embodied.

**CAA AD No:** 2642 PRE 80

**Associated Material:** 1498

**Description:** *Wings* – Introduction of special bolt Part No. 14W.5835 in lieu of special bolt Part No. 4W.1121 for attachment of flap jack shackles in wing.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet No. CF.7.

**CAA AD No:** 2643 PRE 80

**Associated Material:** 1536

**Description:** *Landing Gear* – Introduction of H.T.S. jack attachment bolts 14–2U.631 in lieu of mild steel bolt 14.2U.229.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. U.8.

**CAA AD No:** 2644 PRE 80

**Associated Material:** 1592

**Description:** *Landing Gear* – Introduction of a down lock operating lever and upper stabiliser casting in an improved material.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. U12. Part 'A' should have been embodied by 31 December 1970 for aircraft post Modification 608.

**CAA AD No:** 2645 PRE 80

**Associated Material:** 1609

**Description:** *Landing Gear* – Introduction of a damper ram with improved damping characteristics for main undercarriage.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. U15.

**CAA AD No:** 2646 PRE 80

**Associated Material:** 1610

**Description:** *Landing Gear* – Introduction of nose undercarriage radius rod adjusting screw in an improved material.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet No. U16.

**CAA AD No:** 2647 PRE 80

**Associated Material:** CF.6

**Description:** *Flight Controls* – Inspection of aileron cables in the control column.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been complied with by 31 August 1960. Repeat inspection on any occasion when aileron cables in the control column have been disturbed.

**CAA AD No:** 2648 PRE 80

**Associated Material:** CF.10

**Description:** *Flight Controls* – Inspection of eye end on trim tab connecting rod.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2649 PRE 80

**Associated Material:** CF.13

**Description:** *Flight Controls* – Inspection of flap datum hinge assembly.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2650 PRE 80

**Associated Material:** CF.14

**Description:** *Flight Controls* – Inspection of flap datum hinge assembly.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2651 PRE 80

**Associated Material:** CF.15

**Description:** *Flight Controls* – Inspection of rudder control pedal reversal lever.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2652 PRE 80

**Associated Material:** E.3

**Description:** *Power Plant* – Inspection of engine mounting frames.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2653 PRE 80

**Associated Material:** E.8

**Description:** *Power Plant* – Inspection of engine mounting stay struts.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2654 PRE 80

**Associated Material:** F.2

**Description:** *Fuselage* – Safe life of fuselage centre section lower spar boom.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.



**CAA AD No:** 2655 PRE 80

**Associated Material:** F.15

**Description:** *Fuselage* – Inspection of fin attachment brackets.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2656 PRE 80

**Associated Material:** F16

**Description:** *Fuselage* – Inspection of emergency escape hatches.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2657 PRE 80

**Associated Material:** F17

**Description:** *Fuselage* – Inspection of fuselage keel frame at wing rear spar pick up position.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2658 PRE 80

**Associated Material:** F18

**Description:** *Fuselage* – Inspection of centre section spar lower boom drag bracing member.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2659 PRE 80

**Associated Material:** F19

**Description:** *Fuselage* – Inspection of centre section main spar top boom.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2660 PRE 80

**Associated Material:** F20

**Description:** *Fuselage* – Inspection of centre section main spar bottom boom.

**Applicability – Compliance – Requirement**

Applicable to all aircraft without Modification 492 embodied. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2661 PRE 80

**Associated Material:** F21

**Description:** *Fuselage* – Replacement of tailplane upper pick-up eyebolt in bulkhead 7.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2662 PRE 80

**Associated Material:** M6

**Description:** *Fire Protection* – Inspection of engine fire extinguisher system air intake nozzle.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2663 PRE 80

**Associated Material:** M9

**Description:** *Structure* – Aircraft life extension.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2664 PRE 80

**Associated Material:** M11

**Description:** *Structures* – Aircraft life extension.

**Applicability – Compliance – Requirement**

Applicable to Series 1B aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2665 PRE 80

**Associated Material:** N4

**Description:** *Electrical Power* – Inspection of main earth posts.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2666 PRE 80

**Associated Material:** N6

**Description:** *Electrical Power* – Loss of generated electrical power.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

Note: Compliance is accepted as providing an equivalent level of safety to the requirements of Airworthiness Notice No. 82. (Now CAP 747, Section 2, Part 3, GR No. 4.)

**CAA AD No:** 2667 PRE 80

**Associated Material:** S6

**Description:** *Pneumatic* – Replacement of emergency air bottles.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been complied with by 31 December 1970.

**CAA AD No:** 2668 PRE 80

**Associated Material:** S7

**Description:** *Pneumatic* – Replacement of main air reservoirs.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been complied with by 1 June 1972.

**CAA AD No:** 2669 PRE 80

**Associated Material:** U13

**Description:** *Landing Gear* – Replacement of nose undercarriage locking lever and jack attachment lever.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Should have been complied with by 1 March 1971.

**CAA AD No:** 2670 PRE 80

**Associated Material:** U15

**Description:** *Landing Gear* – Modification to main undercarriage damper ram.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Should have been complied with by 30 April 1974.

**CAA AD No:** 2671 PRE 80

**Associated Material:** U16

**Description:** *Landing Gear* – Replacement of nose undercarriage radius rod adjusting screw.

**Applicability – Compliance – Requirement**

Applicable to Series 2 aircraft. Should have been complied with by September 1973.

**CAA AD No:** 2672 PRE 80

**Associated Material:** U17

**Description:** *Landing Gear* – Inspection of nose undercarriage inner casing.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2673 PRE 80

**Associated Material:** W3

**Description:** *Wings* – Replacement of aileron lever Part No. 14WA-199.

**Applicability – Compliance – Requirement**

Applicable to all aircraft without Modification 662 embodied. Should have been complied with by 31 May 1970.

**CAA AD No:** 2674 PRE 80

**Associated Material:** W4

**Description:** *Wings* – Safe life of wing lower spar boom.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2675 PRE 80

**Associated Material:** W6

**Description:** *Wings* – Inspection of wing spar booms.

**Applicability – Compliance – Requirement**

Applicable to aircraft Series Nos up to and including 14093 and Serial Nos 14098 which have not had Modification 843 embodied. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2676 PRE 80

**Associated Material:** W9

**Description:** *Wings* – Inspection of wing to fuselage lower main root joints.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2677 PRE 80

**Associated Material:** W10

**Description:** *Wings* – Inspection of wing rear false spar web.

**Applicability – Compliance – Requirement**

Applicable to all aircraft which have not had Modification 1454 embodied. Should have been complied with by 31 December 1961.

**CAA AD No:** 2678 PRE 80

**Associated Material:** W15

**Description:** *Wings* – Inspection of wing strap for engine mounting pick up.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2679 PRE 80

**Associated Material:** W16

**Description:** *Wings* – Replacement of bolts at flap hinge bracket and inspection of fork joints and reinforcing brackets.

**Applicability – Compliance – Requirement**

Applicable to all Aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 2680 PRE 80

**Associated Material:** W17

**Description:** *Wings* – Inspection of wing to fuselage front lower attachment fittings.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 009–05–87

**Associated Material:** W19

**Description:** *Wings* – Aileron mass balance weight assemblies – Internal corrosion.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.

**CAA AD No:** 001–11–88

**Associated Material:** CF–20

**Description:** *Flight Controls* – Flap jack to flap attachment pin.

**Applicability – Compliance – Requirement**

Applicable to all aircraft. Compliance required as detailed in Technical News Sheet.