

(2) De Havilland DH104 Dove Series Aircraft

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

CAA AD No: 2367 PRE 80

Associated Material: 253

Description: *Electrical Power* – To introduce two pole wiring for lights and immersed fuel pumps.

Applicability – Compliance – Requirement

Applicable to Series 1 and 2 aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2368 PRE 80

Associated Material: 381

Description: *Fire Protection* – Re-positioning of crash operated inertia switch.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

NOTE: The installation covered by modification 862 and 1090 are acceptable alternatives.

CAA AD No: 2369 PRE 80

Associated Material: 524

Description: *Power Plant* – To introduce mild steel engine mounting pick-up fittings in lieu of alclad, and tighter limits in bearing hole.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2370 PRE 80

Associated Material: 538

Description: *Fuselage* – To introduce strengthened bottom boom for centre section spar.

Applicability – Compliance – Requirement

Applicable to Series 1 and 2 aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2371 PRE 80

Associated Material: 574

Description: *Fuselage* – To introduce ice shield for ADF and VHF whip aerials.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2372 PRE 80

Associated Material: 651

Description: *Fuselage* – To introduce flexibly mounted VHF whip aerals when mounted on the canopy.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2373 PRE 80

Associated Material: 652

Description: *Fuselage* – To introduce flexibly mounted VHF whip aerial when mounted on the cabin roof.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2374 PRE 80

Associated Material: 653

Description: *Fuselage* – To introduce flexibly mounted ADF whip aerial when mounted on the canopy.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2375 PRE 80

Associated Material: 655

Description: *Electrical Power* – To provide supply for fire extinguisher circuit from battery side of ground-flight switch.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2376 PRE 80

Associated Material: 686

Description: *Wings* – To introduce new wing root attachment bolts and shims in wing root joints.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2377 PRE 80

Associated Material: 753

Description: *Fuselage* – To introduce smaller washer on flexibly mounted whip aerals.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2378 PRE 80

Associated Material: 765

Description: *Flight Controls* – To introduce H.T. steel pins for locking stud on aileron differential pulley spindle.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2379 PRE 80

Associated Material: 779

Description: *Fuselage* – To introduce H.T. steel bottom boom for centre section spar.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2380 PRE 80

Associated Material: 780

Description: *Wings* – To introduce H.T steel bottom boom section in wing main spar.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2381 PRE 80

Associated Material: 786

Description: *Fuselage* – To introduce improvements to whip aerial installation.

Applicability – Compliance – Requirement

Applicable to all Series aircraft with Modifications 651 or 652 or 653 embodied. Compliance required as detailed in modification leaflet.

CAA AD No: 2382 PRE 80

Associated Material: 868

Description: *Landing Gear* – Introduction of revised locking lever on main undercarriage.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2383 PRE 80

Associated Material: 879

Description: *Instruments* – Oil pressure and temperature gauges – To change attitude in instrument panel.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

NOTE: Not required when Modification 990 or 1231 are embodied.

CAA AD No: 2384 PRE 80

Associated Material: 967

Description: *Flight Controls* – Aileron lever – To introduce a forging in lieu of a casting.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet. TNS 151 refers.

CAA AD No: 2385 PRE 80

Associated Material: 978

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2386 PRE 80

Associated Material: 982

Description: *Flight Controls* – Introduction of modified locking to flap datum hinge.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2387 PRE 80

Associated Material: 1067

Description: *Fuselage* – Introduction of Aluminium Copper Alloy DTD 298 Castings in lieu of Magnesium Alloy DTD 289.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2388 PRE 80

Associated Material: 1260

Description: *Auto-Pilot* – To introduce modified elevator servo Part No. 19355–0 incorporating Sperry pressure relief valve Part No. 19287–05.

Applicability – Compliance – Requirement

Applicable to all Series aircraft fitted with AL.1A or AL.3 *Auto-Pilot*. Compliance required as detailed in modification leaflet.

CAA AD No: 2389 PRE 80

Associated Material: 1261

Description: *Auto-Pilot* – To introduce modified elevator servo Part No. 19356–0 incorporating Sperry pressure relief valve Part No. 19287–05.

Applicability – Compliance – Requirement

Applicable to Series 1, 2, 5, 6, 7 and 8 aircraft fitted with AL30 *Auto-Pilot*. Compliance required as detailed in modification leaflet.

CAA AD No: 2390 PRE 80

Associated Material: 1298

Description: *Wings* – To introduce improved protective treatment on wing lower main joint.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet.

CAA AD No: 2391 PRE 80

Associated Material: 1723

Description: *Landing Gear* – To introduce adjusting screw Part No. 4U567 in lieu of adjusting screw Part No. 4U493 on nose and main undercarriage radius rod assemblies.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in modification leaflet. TNS 231 refers.

CAA AD No: 2392 PRE 80

Associated Material: TNS 119

Description: *Fuselage* – Centre section lower spar boom and wing lower spar boom – Safe lives.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2393 PRE 80

Associated Material: TNS 125

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2394 PRE 80

Associated Material: TNS 134

Description: *Wings* – Inspection of main spar joints.

Applicability – Compliance – Requirement

Applicable to all aircraft up to and including Serial No. 04465 which have not had Modification 870 embodied. Compliance required as detailed in TNS.

CAA AD No: 2395 PRE 80

Associated Material: TNS 158

Description: *Engine Oil* – Recalibration of oil tank dipstick.

Applicability – Compliance – Requirement

Applicable to aircraft fitted with an oil tank on which Modification PP173 is embodied. Compliance required as detailed in TNS.

CAA AD No: 2396 PRE 80

Associated Material: TNS 163

Description: *Fire Protection* – Inspection of power plant fire extinguisher system spray pipes.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TSN.

CAA AD No: 2397 PRE 80

Associated Material: TNS 168

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft fitted Gipsy Queen 70 Series engines. Compliance required as detailed in TNS.

CAA AD No: 2398 PRE 80

Associated Material: TNS 171

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2399 PRE 80

Associated Material: TNS 178

Description: *Wings* – Inspection of lower root joint fittings.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2400 PRE 80

Associated Material: TNS 186

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2401 PRE 80

Associated Material: TNS 187

Description: *Flight Controls* – Inspection of elevator and rudder trim tab connecting rod assembly eye ends.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2402 PRE 80

Associated Material: TNS 190

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2403 PRE 80

Associated Material: TNS 195

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2404 PRE 80

Associated Material: TNS 196

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2405 PRE 80

Associated Material: TNS 214

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft and spare bottles held in stores. Compliance required as detailed in TNS.

CAA AD No: 2406 PRE 80

Associated Material: TNS 216

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2407 PRE 80

Associated Material: TNS 217

Description: *Wings* – Inspection of lower front main attachment fittings.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2408 PRE 80

Associated Material: TNS 218

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2409 PRE 80

Associated Material: TNS 219

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2410 PRE 80

Associated Material: TNS 222

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2411 PRE 80

Associated Material: TNS 223

Description: *Pneumatic* – Replacement of main air reservoir assemblies.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2412 PRE 80

Associated Material: TNS 226

Description: *Nacelles/Pylons* – Inspection of engine mounting pick-up positions.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2413 PRE 80

Associated Material: TNS 227

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

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: 2414 PRE 80

Associated Material: TNS 228

Description: *Power Plant* – Inspection of left-hand engine mounting frame.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2415 PRE 80

Associated Material: TNS 229

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2416 PRE 80

Associated Material: TNS 230

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2417 PRE 80

Associated Material: TNS 232

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2418 PRE 80

Associated Material: TNS 237

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2419 PRE 80

Associated Material: TNS 238

Description: *Fuselage* – Inspection of centre section main spar top boom (Pre-Modification 779).

Applicability – Compliance – Requirement

Applicable to all Series aircraft (Pre-Modification 779). Compliance required as detailed in TNS.

CAA AD No: 2420 PRE 80

Associated Material: Associated Material:TNS 240

Description: *Structure* – Aircraft life extension.

Applicability – Compliance – Requirement

Applicable to Series 1 to Series 8 aircraft and their variants. Compliance required as detailed in TNS.

CAA AD No: 2421 PRE 80

Associated Material: TNS 244

Description: *Power Plant* – Inspection of engine mounting frame front engine support spigots.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 008–05–87

Associated Material: TNS 245

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 002–11–88

Associated Material: TNS 246

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

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in TNS.