

## (2) Scottish Aviation Twin Pioneer

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

CAA AD No: 2427 PRE 80

Associated Material: C162

Description: Re-design of wing bracing strut internal 'Vee' brace in outer wing.

Applicability – Compliance – Requirement

This modification has been embodied in all aircraft during construction.

CAA AD No: 2428 PRE 80

Associated Material: C285

Description: *Hydraulic Power* – Introduction of strengthened gland Part No. 717924 in lieu of gland Part No. 717918 in piston-operated shuttle valve Part No. 7179.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required before completion of 750 landings.

CAA AD No: 2429 PRE 80

Associated Material: C311

Description: *Wings* – Introduction of lift strut incorporating multi-bolt attachments for stabilising strut.

Applicability – Compliance – Requirement

*Wings* – Introduction of lift strut incorporating Applicable to all Series aircraft. Should have been embodied by 30 September 1959.

CAA AD No: 2430 PRE 80

Associated Material: C319

Description: *Wings* – Introduction of stabilising strut Part No. SA.B3.20.334 in lieu of Part No. SA.B3.20.243.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Should have been embodied by 30 September 1959.

CAA AD No: 2431 PRE 80

Associated Material: C324

Description: Introduction of tube insert type throttle and CSU wrapped boxes in console and replacement of Teleflex transmission cable DS380 with brittle tested transmission cable DS380. (TeleflexMod. 14298 refers.)

Applicability – Compliance – Requirement

Applicable to aircraft Serial No. 507, 508, 513, 517 and 519. Compliance required as detailed in modification leaflet.

CAA AD No: 2432 PRE 80

Associated Material: C334

Description: Introduction of Cadmium plating on lift strut steel fittings and incorporation of Ferrobestos bushes at bolted joints.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Should have been embodied by 31 August 1959.

CAA AD No: 2433 PRE 80

Associated Material: C344

Description: Replacement of 380 Wrapped Box Assembly and Teleflex transmission cable for the throttle and CSU control, on control console assembly Part No. E41560. (Teleflex Mod. 14341 refers.)

Applicability – Compliance – Requirement

Applicable to aircraft Serial Nos. 501, 502, 504 and 505. Compliance required as detailed in modification leaflet.

CAA AD No: 2434 PRE 80

Associated Material: C347

Description: Introduction of Cadmium plating on special bolts on undercarriage 'Vee' brace and trunnion at top of Oleo leg.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Should have been embodied by 31 August 1959.

CAA AD No: 2435 PRE 80

Associated Material: C403

Description: Introduction of slat jack, Electro-Hydraulics Part No. 4477 in lieu of Part No. 4694. (Electro-Hydraulics Mod. No. EH/95/Mod 7 refers.)

Applicability – Compliance – Requirement

Applicable to aircraft Serial No. 507 and subsequent. Compliance required as detailed in modification leaflet.

CAA AD No: 2436 PRE 80

Associated Material: C441

Description: Replacement of throttle and CSU control box and wheel assembly and the replacement of Teleflex transmission cable with Teleflex brittle-tested transmission cable. (Teleflex Mod. 14338 refers.)

Applicability – Compliance – Requirement

Applicable to aircraft Serial Nos. as detailed in modification leaflet. Compliance required as detailed in modification leaflet.

CAA AD No: 2437 PRE 80

Associated Material: C580

Description: Introduction of strengthened flap jack Part No.4464 in lieu of Part No. 4476. (Electro-Hydraulics Mod. No. EH/95/Mod 9 refers.)

Applicability – Compliance – Requirement

Applicable to aircraft Serial No. 507 and subsequent. Compliance required as detailed in modification leaflet.

CAA AD No: 2438 PRE 80

Associated Material: C598

Description: Introduction of Shackles (between undercarriage and fuselage) Part Nos. SA.B7.40.40 and SA.B7.40.42 in lieu of Part Nos. SA.B3.40.26 and SA.B3.40.27.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required not later than 1200 flight hours.

CAA AD No: 2439 PRE 80

Associated Material: C680

Description: Introduction of Ice Guard on CSU Swivel Assembly.

Applicability – Compliance – Requirement

Applicable to Series 1 and 3 aircraft. Should have been embodied by 31 December 1959.

CAA AD No: 2440 PRE 80

Associated Material: C719

Description: Introduction of Washer Part No. SP 18G to elevator connection on port control column.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Should have been embodied by 31 July 1959.

CAA AD No: 2441 PRE 80

Associated Material: C729

Description: Introduction of Brake Unit AH51417 in lieu of AH50743.

Applicability – Compliance – Requirement

Applicable to Series 1,2 and 3 aircraft. Should have been embodied by 30 January 1960.

CAA AD No: 2442 PRE 80

Associated Material: C735

Description: Introduction of 2" wide protection strips on lift strut replacing .85" wide strips.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Should have been embodied 31 March 1959.

CAA AD No: 2443 PRE 80

Associated Material: C759

Description: Introduction of Bearing Plate fireproof Bulkhead at Engine Mount Fittings.

Applicability – Compliance – Requirement

Applicable to Series 1,2 and 3 aircraft. Compliance required at next engine change or check 4 inspection or on embodiment of repair scheme SA.B3.03.863.

CAA AD No: 2444 PRE 80

Associated Material: C808

Description: Replacement of all axle bracket and sliding tube assemblies of undercarriage Part No. 1705, Serial Nos. 1–36 inclusive.

Applicability – Compliance – Requirement

Applicable to undercarriage units as detailed. Should have been embodied by 31 March 1960.

CAA AD No: 2445 PRE 80

Associated Material: C860

Description: Introduction of an inspection hole in the control column.

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 1 December 1960.

CAA AD No: 2446 PRE 80

Associated Material: C928

Description: Introduction of main wheel AH 51805 in lieu of AH 50742. (Dunlop Mod. 3776.)

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 1 August 1961.

CAA AD No: 2447 PRE 80

Associated Material: C960

Description: Introduction of Mills Equipment Modification ME/2 on Passenger Seat Belts Type ME/1789.

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 1 March 1962.

CAA AD No: 2448 PRE 80

Associated Material: C965

Description: Introduction of PTFE covered strips and washers on wing lift strut in way of stabilizer strut fitting.

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 1 June 1962.

CAA AD No: 2449 PRE 80

Associated Material: C979

Description: Cockpit Windows – Introduction of filler strips manufactured in PVC in lieu of neoprene.

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 1 June 1964.

CAA AD No: 2450 PRE 80

Associated Material: C988

Description: Installation of fair leads in way of aileron cables under cockpit floor.

Applicability – Compliance – Requirement

Applicable to Series 1, 2 and 3 aircraft. Should have been embodied by 15 June 1964.

CAA AD No: 2451 PRE 80

Associated Material: C989

Description: Automatic Pilot – Introduction of Emergency Cut-out Control.

Applicability – Compliance – Requirement

Applicable to Series 1 and 3 aircraft. Should have been embodied by 1 August 1965.

CAA AD No: 2452 PRE 80

Associated Material: Scottish Aviation TNS 22

Description: Inspection and life limitation of bolted attachments of wings, main landing gear and tailplane.

Applicability – Compliance – Requirement

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

CAA AD No: 2453 PRE 80  
Associated Material: Scottish Aviation TNS 26  
Description: Inspection of heat exchange unit intensifier tube.  
Applicability – Compliance – Requirement  
Applicable to Series 1 and 2 aircraft. Compliance required as detailed in TNS.

CAA AD No: 2454 PRE 80  
Associated Material: Scottish Aviation TNS 33  
Description: Mandatory Life Limitations.  
Applicability – Compliance – Requirement  
The limitations listed in the Technical News Sheet are mandatory for aircraft on the United Kingdom Register.

CAA AD No: 2455 PRE 80  
Associated Material: Scottish Aviation TNS 36  
Description: Rework of lap straps to increase safety standard.  
Applicability – Compliance – Requirement  
Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2456 PRE 80  
Associated Material: Scottish Aviation TNS 42  
Description: Inspection of wing attachment main lift strut.  
Applicability – Compliance – Requirement  
Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2457 PRE 80  
Associated Material: Scottish Aviation TNS 45  
Description: Inspection and repair of nacelle longeron at engine mount attachment.  
Applicability – Compliance – Requirement  
Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2458 PRE 80  
Associated Material: Scottish Aviation TNS 50  
Description: Improved method of adjustment for excessive clearance of flap push-pull rods to drive sprockets.  
Applicability – Compliance – Requirement  
Applicable to all Series aircraft. Compliance required as detailed in TNS.

CAA AD No: 2459 PRE 80

Associated Material: Airworthiness Notice No. 82 (Now CAP 747, Section 2, Part 3, GR No. 4)

Description: Electrical Generation System – Warning of loss of generated electrical power.

Applicability – Compliance – Requirement

Applicable to all Series aircraft. Compliance required as detailed in Airworthiness Notice.