



**United Kingdom
Civil Aviation Authority**

**EMERGENCY
AIRWORTHINESS
DIRECTIVE**

AD No: G-2005-0027

Issue Date: 8 September 2005

This AD is issued by the UK CAA acting for and on behalf of the European Aviation Safety Agency as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

Approved by the European Aviation Safety Agency under approval number 2005-6230 on 6 September 2005

In accordance with Article 9(7)(b) of the Air Navigation Order 2000 as amended the following action required by this Airworthiness Directive (AD) is mandatory for applicable aircraft registered in the United Kingdom.

No person may operate an aircraft to which an AD applies except in accordance with the requirements of that AD unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holders Name:

Type/Model Designation(s):

DOWTY PROPELLERS

R334/4-82-F/13

Type Certificate Data Sheet No: 115

Superseded AD: 003-11-2001

ATA 61 – PROPELLER HUB WALL CRACKING – INSPECTION

Manufacturer(s): Dowty Propellers.

Applicability: Model R334/4-82-F/13 propellers fitted to CASA 212 aeroplanes only.

Reason: This directive instructs reduced repetitive inspection intervals for NDT inspection of these propellers, following a further report of hub separation on a CASA 212 aeroplane.

Effective Date: 15 September 2005

Compliance/Action: Hub assemblies part no. 660709201, included within propellers and installed on CASA 212 aircraft should be inspected in accordance with para 3 (accomplishment instructions) of Dowty SB 61-1119 rev 4, or any later EASA approved revision, within 10 flight hours or 20 calendar days from the effective date of this AD, whichever limit is reached first. However, for hub assemblies which have already been inspected within the last 300 flight hours and also within 300 flight cycles, the inspection must be carried out within 300 flight hours or 300 flight cycles since the last inspection, which ever is the soonest.

Thereafter, for hub assemblies part no. 660709201, included within propellers and installed on affected aircraft, a repetitive inspection in accordance with para 3 (accomplishment instructions) of Dowty SB 61-1119 rev 4, or any later EASA approved revision, must be carried out every 300 flight hours or 300 flight cycles, which ever is the soonest.

continued on next page

For hub assemblies part no. 660709201, other than zero time assemblies, assembled in propellers held in storage, inspect in accordance with para 3 (accomplishment instructions) of Dowty SB 61-1119 rev 4 or any later EASA approved revision, prior to installation of the propeller on to an aircraft.

For hub assemblies part no. 660709201, other than zero time assemblies, held in storage, inspect in accordance with para 3 (accomplishment instructions) of Dowty SB 61-1119 rev 4 or any later EASA approved revision, prior to installation of the hub assembly on to an affected aircraft.

Remove from service any propeller or hub that does not satisfy the acceptance criteria for further operation.

Report all findings of cracking to Dowty Propellers.

Reference Publications: Dowty Propeller Service Bulletins may be obtained from Dowty Propellers, Anson Business Park, Cheltenham Road East, Gloucester, GL2 9QN England, Telephone (+44) (0)1452 716000.

Remarks: Enquiries regarding this Airworthiness Directive should be addressed to Mr Anthony Field, Civil Aviation Authority, Engineering Department, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, England. Telephone (+44) (0)1293 57 3873, Fax (+44) (0)1293 57 3979.

SUPERSEDED