



सत्यमेव जयते

Directorate General of Civil Aviation

AIRWORTHINESS DIRECTIVE

AD No. 014

Issued/Date: 21.08.2009

No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with DGCA or the state of registry, as applicable.

Type Approval Holder's Name

Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bangalore.

Type/Model designation(s)

All Civil variant DHRUV helicopters

TCDS No.: 5-8/96-RD

Foreign AD Number: Not Applicable

Supersedure: None

ATA 62 – 10

ROTOR(S) – Rotor blades – Ultrasonic (A-scan) inspection of main rotor blades.

Manufacturer(s):

Helicopter Division, Hindustan Aeronautics Limited, Bangalore

Applicability:

Model number	Serial number
Dhruv (C)	PTC2
Dhruv (CFW)	DW-28, DW-77 and DW-78
Dhruv (CS)	DS-35 and DS-51

Reason:	<ol style="list-style-type: none"> 1. Change in CT density was observed after CT scans were carried out in the spoon and collar region of some of main rotor blade during 500 hours servicing of Dhruv helicopter. 2. This indicates onset of local delamination. <p>Since an unsafe condition has been identified that is likely to exist on other aircraft of the same type design, this Airworthiness Directive is being issued for carrying out the ultrasonic inspection of main rotor blade and submit the compliance certificate to Airworthiness Group of RWR&DC, HAL, Bangalore.</p>
Effective Date:	Within 21 days after final AD issue date.
Compliance:	Carry out the ultrasonic inspection as per alert Service Bulletin No. 201 621 A310; Rev A, dated 05.11.2008 immediately after receipt of this Airworthiness Directive.
Ref. Publications:	RWR&DC-HAL Alert Service Bulletin No. 201 621 A310, Rev A, dated 05.11.2008.
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, Director (R&D), New Delhi may accept Alternative Methods of Compliance for this AD. 2. Enquiries regarding this AD should be addressed to Director (R&D), Office of the Director General of Civil Aviation, Civil aviation Department, Opposite Safdarjung Airport, New Delhi – 110003. E-mail: design@dgca.nic.in. 3. For any questions concerning the technical content of the requirements in this AD/above referred SB, please contact: Customer Services Department, ALH civil, Helicopter Division, Hindustan Aeronautics Limited, Vimanapura post, Bangalore – 560017. INDIA. Telephone No. +91-080-2522 4088, FAX: + 91-080-25223713, Email: csdalh@yahoo.com.

This AD, which prescribes/mandates action to be performed on to helicopters as stated above to restore an acceptable level of safety is hereby issued pursuant to CAR 21.3B. TC holder/ Operators are required to comply with the above stated AD within the stipulated time.

-Sd-

(R Chinnadurai)
Dy. Director General of Civil Aviation
for Director General of Civil Aviation