



# Directorate General of Civil Aviation

## AIRWORTHINESS DIRECTIVE

**AD No. 022**

**Issued/Date:** 09.06.2011

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 55-30**

STABILIZERS – Vertical Stabilizer – Reinforcement of IGB bottom rib and strengthening of IGB rib in fin torsion box assembly.

**Manufacturer(s):**

Helicopter Division, Hindustan Aeronautics Limited, Bangalore

**Applicability:**

Model number	Serial number
Dhruv (C)	PTC2, DCWR -01 onwards.
Dhruv (CFW)	DW-28, DW-63, DW-77 and DW-78, DCWF- 01 onwards(except DCWF-07)
Dhruv (CS)	DS-35, DS-51, DS-65 and DCS -01 onwards

**Reason:**

In some of Dhruv helicopters cracks were observed in IGB rib bottom and associated area of fin torsion box assembly.

Since an unsafe condition has been identified that is likely to develop on other aircraft of the same type design, this Airworthiness Directive is being issued for carrying out the reinforcement of IGB bottom rib on civil variant ALH (Dhruv helicopter) in operation and strengthening of IGB rib on civil Dhruv helicopters under production and submit the compliance certificate to Airworthiness Group of RWR & DC, HAL, HAL, Bangalore through Customer Services Department of Helicopter Division.

<b>Effective Date:</b>	Within 21 days after final AD issue date.
<b>Compliance:</b>	Carry out the strengthening of IGB rib in fin torsion box assembly on civil variant ALH (Dhruv helicopter) as per Modification leaflet leaflet No. ALHC/553/186 dated 06.10.2010; Rev A and reinforcement of IGB bottom rib in fin torsion box assembly as per Alert Service Bulletin No. 201 553 361, Rev A, dated 06.10.2010 after receipt of this Airworthiness Directive, if not already accomplished.
<b>Ref. Publications:</b>	RWR & DC-HAL Modification leaflet No. ALHC/553/186 dated 06.10.2010, Rev. A and Alert Service Bulletin No. 201 553 361, Rev. A, dated 06.10.2010
<b>Remarks:</b>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, Dy. Director General (AED), New Delhi may accept Alternative Methods of Compliance for this AD.</li> <li>2. Enquiries regarding this AD should be addressed to Dy. Director General (AED), Office of the Director General of Civil Aviation, Civil aviation Department, Opposite Safdarjung Airport, New Delhi – 110003. E-mail: <a href="mailto:lalit.dgca@nic.in">lalit.dgca@nic.in</a>.</li> <li>3. For any questions concerning the technical content of the requirements in this AD/above referred ASB, please contact: Customer Services Department, ALH civil, Helicopter Division, Hindustan Aeronautics Limited, Vimanapura post, Bangalore – 560017. INDIA. Tele-Fax no: +91 -80-2522 4088. Email: csdalh@yahoo.com.</li> </ol>

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.

(Lalit Gupta)  
Dy. Director General of Civil Aviation  
for Director General of Civil Aviation