



**DIRECTORATE GENERAL OF CIVIL AVIATION**

**AIRWORTHINESS DIRECTIVE**

**AD No.: 027**

**Issued / Date: 23-07-2012**

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 the DGCA or the State of Registry as applicable.

**Type Approval Holder's Name**

Rotary Wing Research and Design Centre,  
Hindustan Aeronautics Limited, Bangalore

**Type /Model designation (s)**

All civil variant Advanced Light Helicopters  
(Dhruv)

**Type certificate Data Sheet Number : 5-8/96 – RD**

**Foreign AD Number : Not applicable**

**Supersedure :None**

**ATA Chapter: 65**

**Name of the  
Affected part :**

Intermediate Gear Box  
assembly

**Required action :**

Introduction of soft support at input side of ALH  
Intermediate Gear Box (IGB) assembly.

**Manufacturer :**

Helicopter Division, Hindustan Aeronautics Limited, Bangalore

**Applicability :**

**Model Number**

**Serial Number**

Dhruv (C) : PTC2, DCWR 01 onwards;

Dhruv (CFW) : DW 28, DW 77, DW 78, DCWF 01 to 04, DCWF 06  
and DCWF 07 onwards;

Dhruv (CS): DS 35, DS 51, DS 65, DCS 01 onwards.

**Reason :**

In one of the civil Dhruv Helicopter, step marks at spline area of input  
flange of Intermediate Gear Box (IGB) was reported.

Since the unsafe condition has been identified which is likely to develop on  
other Advanced Light Helicopters of similar type design, this Airworthiness  
Directive is being issued to overcome the frequent replacement of input  
seal and to reduce the wear out at input flange spline by introducing a  
soft support at input side of the IGB assembly.

	The compliance certificate of the subject modification shall be submitted to the Airworthiness Group of RWR&DC, HAL, Bangalore through the Customer Service Department of Helicopter Division, HAL Bangalore.
<b>Effective Date :</b>	Within 21 days from the date of issue of this AD.
<b>Compliance :</b>	<p><b>1. For all civil ALH under production :</b></p> <p>As specified in Modification Leaflet No. ALHC/653/0149, Rev. A, dated 12-09-2011.</p> <p><b>2. For all civil ALH in operation :</b></p> <p>As specified in Service Bulletin No. 201 653 334, Rev. A, dated 12-09-2011.</p>
<b>Ref. Publications :</b>	HAL – Modification Leaflet No. ALHC/653/0149, Rev. A, dated 12-09-2011 and HAL – Service Bulletin No. 201 653 334, Rev. A, dated 12-09-2011
<b>Remarks :</b>	<p>1. If requested and appropriately substantiated, Deputy Director General, Aircraft Engineering Directorate, Office of the DGCA, New Delhi may accept alternative methods of Compliance (AMOCs) for this AD.</p> <p>2. Enquiries regarding this AD should be addressed to Deputy Director General, Aircraft Engineering Directorate, Office of the DGCA, Opposite to Safdarjung Airport, New Delhi-110003. E-mail : lalit.dgca@nic.in.</p> <p>3. For any questions concerning the technical content of the requirements in this AD/above referred SB, please contact to the Customer Care Department , ALH-Civil, Helicopter Division, HAL, Post : Vimanapura, Bangalore – 560017, India.</p> <p>Telephone Number : +91-080-2522 4088, Fax : +91-080-2522 3713 e-mail : csdalh@yahoo.com</p>

This AD, which prescribes/mandates action to be performed on the 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-  
(Lalit Gupta)  
Deputy Director General  
For Director General of Civil Aviation