



DIRECTORATE GENERAL OF CIVIL AVIATION

AIRWORTHINESS DIRECTIVE

AIRWORTHINESS DIRECTIVE No.: 032

Issued / Date: 19-12-2015

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	Type /Model designation (s)
Rotary Wing Research and Design Centre (RWR&DC), Hindustan Aeronautics Limited, Bangalore	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: 55	Name of the affected part :	Required action :
	TGB fairing-RHS attachment.	To introduce spring washer on TGB fairing- RHS attachment on civil variant Advanced Light Helicopter- Dhruv

Manufacturer : Helicopter Division, Hindustan Aeronautics Limited, Bangalore

Applicability :	Model number	Serial Number
	Dhruv (C)	PTC2
	Dhruv (CFW)	DW 28, DW 77, DW78, DCWF 01 to 04, DCWF 06, and DCWF 07
	Dhruv (CS)	DS 35, DS 51, and DS 65

Reason : In one of the advanced Light Helicopter, dent mark was observed on end plate RH side. Also, dent and erosion protection strip delamination was observed on TRB. It was found that one screw from TGB fairing-RHS attachment came out and hit TRB first then got embedded into end plate.

The type of failure is considered critical as it may affect both TRB and end plate. Since an unsafe condition has been identified and the unsafe condition is likely to develop on other ALH of similar type design, this Airworthiness Directive is issued

	to introduce spring washer on TGB fairing-RHS attachment. The compliance certificate of the subject modification shall be submitted to the Airworthiness Group of RWR&DC, HAL, Bangalore through the Customer Services Department of Helicopter Division, HAL, Bangalore.
Effective Date :	Within 14 days from the date of issue of this AD.
Compliance :	For all civil ALH under production: As specified in Modification Leaflet No. ALHC/553/242, Rev. A, dated 29.06.2015 For all civil ALH in operation: As specified in Service Bulletins No. 201 553 425, Rev. B dated 27.09.2015, within 50 flight hours or 30 days, whichever is earlier, from the effective date of this AD.
Ref. Publications :	HAL Modification Leaflet No. ALHC/553/242, Rev. A, dated 29.06.2015 & HAL Service Bulletins No. 201 553 425, Rev. B dated 27.09.2015.
Remarks :	1. If requested and appropriately substantiated, Joint Director General, in-charge of Aircraft Engineering Directorate, DGCA, New Delhi may accept Alternative Methods of Compliance (AMOCs) for this AD. 2. Enquiries regarding this AD should be addressed to Joint Director General, in-charge of Aircraft Engineering Directorate, Office of the DGCA, Opposite Safdarjung Airport, New Delhi-110003.e-mail : lalit.dgca@nic.in 3. For any questions concerning the technical content of the requirements in this AD or above referred SB, please contact the Customer Care Department, ALH-Civil, Helicopter Division, HAL, Post: Vimanapura , Bangalore-560017, India. Telephone Number : +91-080-2232 3351, Fax: +91-080-2531 4717 e-mail: csdcivilalh.hcop@hal-india.com

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.

(Lalit Gupta)

Joint Director General

For Director General of Civil Aviation