

CARGO POD



INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA)

STC 11/21E/31

**OCEANIA AVIATION STC
OAL313-STC**

EUROCOPTER AS350B, BA, B1, B2, B3 & D

***Certified Master Copy
TECHAIR LTD, DO 63214***

REFERENCE 979-01-04

SIGN *J.D. Oplun*

DATE 29-Mar-16

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RECORD OF REVISIONS

REVISION	DATE	DESCRIPTION	PARAGRAPH	PAGES AFFECTED
0	29-SEP-2011	INITIAL RELEASE	ALL	ALL
1	9-Oct-12	Amended reference to rubber inserts.	3.1 (a) , (b)	3
1	9-Oct-12	Added daily check of bonding strap	3.1 (a)	3
1	9-Oct-12	Feedback and Occurrence Form added	-	5
2	29-Mar-16	Incompatibility with DART Flight Step removed	1.0, 2.0	3

1.0 GENERAL

This modification installs a removable composite carbon fibre cargo pod and fixed provisions to the left hand side of the rotorcraft landing gear to provide additional cargo capacity.

Information in this document supplements or supersedes information in the basic rotorcraft maintenance manual. For information not contained in this supplement refer to the basic rotorcraft maintenance manuals.

Issue 2 provides alternate installation hardware in order to accommodate the simultaneous installation of an extended skid step. It also removes the restriction for carrying flammable material.

2.0 EFFECTIVITY

Eurocopter AS350 B, BA, B1, B2, B3 & D rotorcraft* equipped with high skid gear (Eurocopter P/N 350A82-4010-03).

3.0 INSPECTION REQUIREMENTS

Refer to Section 4 of these instructions for damage classification and to Section 5 for allowable damage and rectification procedures.

3.1 Daily / Pre-Flight Inspection:

The following checks should be carried out each time the cargo pod is installed, at the start of each day of operation, and before every flight with the cargo pod installed.

- a. Check the landing gear mounting clamps, rubber inserts (if installed, early models only), bonding strap and hardware for security, condition and no slippage.
- b. Check that the cargo pod is securely attached to the landing gear mounts.
- c. Check that the quick release pins are securely installed in the forward and upper rear mounts.
- d. Check the cargo pod structure for evidence of cracking, delamination, loose hardware, or other damage.

3.2 100Hr / Annual Inspection:

The following checks should be carried out every 100 hours or every 12 calendar months of rotorcraft operation, whichever occurs first, following embodiment of this modification.

- a. Remove the cargo pod from the helicopter in accordance with the approved Flight Manual Supplement (OAL313-STC-350-FMS-0001).
- b. Inspect the exterior of the cargo pod and adjacent rotorcraft structure for signs of contact, wear, cracks, delamination, impact damage, general condition and security.
- c. Inspect the cargo pod mounting brackets for cracking, corrosion, loose fasteners, general condition and security.
- d. Clean and inspect the interior of the cargo pod, check for signs of cracking, delamination, impact damage and loose fasteners.
- e. Inspect the rotorcraft mounting clamps and mounting pins for corrosion, cracking, deformation, loose hardware, signs of slippage on the landing gear, correct alignment, general condition and security.
- f. Check all placards listed in the FMS for presence and legibility.
- g. If not already fitted, install the cargo pod on to the helicopter in accordance with the FMS.
- h. Carry out daily pre-flight inspection as per Section 3.1 of these instructions.

4.0 DEFECT CLASSIFICATION

This defect classification guide applies to both the removable cargo pod and the landing gear fixed provisions. All defects are classified as Class II, unless specifically described as Class I.

4.1 CLASS I

No immediate action required. Flight operations and use of the cargo pod may continue and the operator may elect to rectify defects when convenient.

Class I damage includes:

- Nicks, scratches, or dents, of the cargo pod (interior or exterior) composite structure, not more than 1mm deep and that do not penetrate the carbon fibre skin
- Nicks, scratches, dents or surface corrosion, to any metallic structure less than 1mm depth
- Punctures of the cargo pod interior skin less than 10mm in diameter and not less than 50mm from any other puncture

4.2 CLASS II

Rectification action required. Use of the cargo pod is discontinued and the pod must be removed before further flight.

If the defect is located on the cargo pod and not on the rotorcraft fixed provisions, then the fixed provisions may remain installed and flight operations may continue whilst the defect is rectified.

Any Class II defects must be reported to Oceania Aviation Limited using the Feedback & Occurrence Report supplied.

Class II damage includes, but is not limited to:

- Delamination, or suspected delamination of any composite structure
- Cracking of any composite or metal structures or hardware
- Punctures of the cargo pod external skin
- Loose or missing hardware or fasteners

5.0 DEFECT RECTIFICATION

5.1 REPAIR PROCEDURES

Replace defective components with identical items in accordance with Illustrated Parts Catalogue (IPC) OAL313-STC-350-IPC-0001.

All repairs are to be in accordance with the requirements of NZCAR Part 43. The FAA advisory circulars listed under "Methods Techniques and Practices" in NZCAA advisory circular AC43-1, in addition to FAA advisory circular AC43.13-1B, are acceptable means of carrying out maintenance.

For further information on defects or damage and rectification procedures not otherwise described above, contact:

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OCEANIA AVIATION LIMITED PART 148 AIRCRAFT MANUFACTURING ORGANISATION
(OAL 6-11) FEEDBACK & OCCURRENCE REPORT (FOR)

CONTACT DETAILS			
OPERATOR		CONTACT PERSON	
PHONE		EMAIL	
MOBILE		FAX	

USE THIS FORM TO... (PLEASE TICK ONE)	
1. Report a defect or damage to a product	<input type="checkbox"/>
2. Report an occurrence, incident or event affecting, or caused by a product or	<input type="checkbox"/>
3. Request or suggest a change to a product or documentation	<input type="checkbox"/>

PRODUCT DETAILS				
DESCRIPTION				
MOD#		S/N		DATE INSTALLED

AIRCRAFT DETAILS			
REGISTRATION		MODEL	
S/N		TTIS	

OCCURRENCE DETAILS			
LOCATION			
DATE		TIME	
ACTIVITY/ PHASE OF FLIGHT			

DESCRIPTION (ATTACH ADDITIONAL PAGES AS REQUIRED)

Return this form to Oceania Aviation Limited, Airborne Systems Division, PO Box 72-053, Papakura, N.Z., Ph. 09 296 2644, Fax. 09 296 2645, Email. russell@ohl.co.nz,
www.airborne-systems.co.nz