



European Aviation Safety Agency

SUPPLEMENTAL TYPE CERTIFICATE

EASA.IM.R.S.01486 Revision 1

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EC) No. 1702/2003 to

Stephen C. Murray
1407 South Coast Highway
Oceanside
CA 92054
United States

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Product Type Certificate Number: EASA.R.008
Type Certificate Holder: Eurocopter
Models: AS 350 B, AS 350 B1, AS 350 B2,
AS 350 BA, AS 350 B3, AS 350 D
Original STC Number: FAA STC SR01521LA

Description of Design Change:

Installation of a Belly Utility Mount.

Note: This STC supersedes EASA.IM.R.S.01486.

Associated Technical Documentation:

- Aero Pacific Master Data List Doc. No. 350UM02 30, Rev. 1 dated 24 January 2006 or later EASA approved revisions.
- Aero Pacific Rotorcraft Flight Manual Supplement Doc. No. 350UM02 10, initial issue, dated 16 July 2003 or later EASA approved revisions.

Limitations and Conditions:

1. This STC provides approval for structural provisions for installation of other equipment. This other equipment for which these provisions are intended has not been certified. A separate EASA approval is required for the installation of this equipment.
2. Prior to installation of this modification the installer must determine that the interrelationship between this modification and any other previously installed modification will introduce no adverse effect upon the airworthiness of the product.
3. The installation of this modification by third persons is subject to written permission of the approval holder and holding and disposal of the approved appropriate documentation.

This Certificate shall remain valid unless otherwise surrendered or revoked.

For the European Aviation Safety Agency,

Date of issue: 04 March 2009

For 
Massimo MAZZOLETTI
Certification Manager

STC - EASA.IM.R.S.01486 Revision 1 - Stephen C. Murray

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SR01521LA

This Certificate issued to Stephen C. Murray
2016 Palomar Airport Rd. A
Carlsbad, CA 92008

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 27 of the Federal Aviation Regulations.* *Certification basis is set forth in Type Certificate Data Sheet H9EU

Original Product Type Certificate Number : H9EU

Make : Eurocopter France

Model : AS350B, AS350BA, AS350B1, AS350B2, AS350B3,
AS350C, AS350D, AS350D1

Description of Type Design Change: Installation of a belly utility mount in accordance with FAA approved Aero Pacific Master Data List, 350UM02-30, Revision "New" dated July 11, 2003, and FAA approved Aero Pacific Rotorcraft Flight Manual Supplement 350UM02-10 revision "New" dated July 16, 2003 or later FAA Approved Revisions.

Limitations and Conditions: The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. The equipment for which these provisions are intended has not been certified. Additional FAA approval is required for the installation of this equipment and must be evaluated to assure satisfactory compliance with the applicable airworthiness standards. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application : October 23, 2002

Date reissued :

Date of issuance : July 18, 2003

Date amended :



By direction of the Administrator

Maurice P. Cook
(Signature)

for Manager, Airframe Branch
Los Angeles Aircraft Certification Office
(Title)

STC SR01521LA

Master Data List

Aero Pacific Document Number 350UM02-30 1/24/06 Revision A

Item	Document Number	Description	Date/Revision
1.	350UM02-20	Master Drawing List 35002	1/24/06 Rev A
2.	350UM02-08	Installation Manual p/n AP350UM02-MM	2/5/03 Rev. New
3.	350UM02-02	Instructions for Continued Airworthiness p/n AP350UM02-ICA	4/25/03 Rev. New
4.	350UM02-13	List of Qualified Payload Equipment	10/10/05 Rev. B
5.	350UM02-01	Description of Use	5/1/03 Rev. New

FAA APPROVED

MAR 30 2006

LOS ANGELES
AIRCRAFT CERTIFICATION OFFICE
INITIALS: RTD

Aero Pacific 2016 Palomar Airport Road Hangar A Carlsbad, CA. 92008

STC SR01521LA
PROJECT NUMBER ST10026LA-R
MASTER DRAWING LIST 35002
Aero Pacific AP350UM02 Belly Utility Mount
Aero Pacific Document Number 350UM02-20
1/24/06 Rev. A

DRAWING NUMBER	DESCRIPTION	PART NUMBER	DATE	REVISION
35002-01	LATERAL ARM	AP350UM02-01	1/15/03	New
35002-02	CHANNEL PLATE	AP350UM02-02	1/12/03	New
35002-03	SUPPORT	AP350UM02-03	1/11/03	New
35002-04	BLOCK	AP350UM02-04	1/18/03	New
35002-05	THREADED BUSHING	AP350UM02-05	1/18/03	New
35002-06	SPACER WASHER	AP350UM02-06	1/18/03	New
35002-07	SPACER WASHER	AP350UM02-07	1/17/03	New
35002-08	BUSHING .90	AP350UM02-08	1/15/03	New
35002-09	BUSHING .56	AP350UM02-09	1/16/03	New
35002-10	BUSHING 1.00	AP350UM02-10	1/24/06	Rev. A
6000-11	SPACER	AP600UM02-10	1/24/06	Rev. A
6000-13	SPIDER PLATE	AP600UM02-06	1/14/99	New
6000-19	ADAPTOR, MRC/RF TECH	AP600UM02-14	2/21/00	New
5003-20	DOVETAIL PLATE, UPPER	AP001UM01B	9/17/99	New
5003-21	DOVETAIL PLATE, LOWER	AP001UM02-01	6/18/02	Rev. A
5003-22	SIDE CLAMP	AP001UM02-02	6/18/02	Rev. A
5003-24	ADAPTOR, POLYTECH	AP500UM03-12	8/20/02	New
6003-29	ADAPTOR, FLIR INC.	AP600UM01-18	6/30/02	Rev. A

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DESCRIPTION OF USE AND APPLICABILITY

AP350UM02 BELLY UTILITY MOUNT

Aero Pacific Document Number 350UM02-01

5/1/03 Rev. New

This mount is designed to provide sturdy attachment of Microwave Antennas (or other qualifying payload equipment) to Eurocopter France AS350 Series Helicopters at a location on the forward cabin belly centerline. Attachment is accomplished utilizing two existing forward left and right channel hardpoints located at Station 106.6 and one aft point of attachment at the existing cargo hook lift lug located at Station 124.2. No permanent modification or change to the aircraft is required. Equipment approved for attachment to this mount structure are restricted for use by size and weight as follows: Rated useful load is 80 pounds U.S. maximum; Rated maximum combined cylindrical and spherical projected flat plate frontal area of 1.84 square feet may not be exceeded. Minimum installed Payload ground clearance of 5.75 inches may not be exceeded.

This installation is applicable to the following Rotor Wing Aircraft Models only: S.N.I.A. Eurocopter France Model AS350 B, B-1, B-2, B-3, BA, C, D, D1.

All above listed helicopter models must be equipped with standard High Skid Gear when this mount structure is installed.

This STC does not approve the installation of any electronic or electrical equipment.

CAUTION TO INSTALLING AGENCY "It is the responsibility of the Installing Agency to verify that existing parts of the aircraft or other equipment and devices installed on the aircraft do not contact or conflict with operation of equipment installed with this Supplemental Type Certificate in all possible configurations."

CAUTION TO INSTALLING AGENCY "It is the responsibility of the Installing Agency to verify sufficient clearance between the bottom of the installed Payload Equipment and the ground, as Payload Manufacturer may vary dimensions of their equipment without notice." Consult List of Qualified Payloads document number 350UM02-13 for this minimum dimension.

AP350UM02 BELLY UTILITY MOUNT
Aero Pacific Document Number 350UM02-13
10/10/05 Rev. B

LIST OF QUALIFIED PAYLOAD EQUIPMENT

The following Antenna assemblies and/or other Payload Equipment are qualified for attachment to the AP350UM02 Belly Utility Mounts by having a size (frontal area) equal to or less than 1.84 square feet, a weight equal to or less than 80.0 pounds U.S., an installed ground clearance equal to or greater than 5.75 inches, and attached to the mount using specific FAA-PMA approved adapters and attachment hardware supplied by the mount manufacturer. Changes in Make or Model of installed equipment at a later date is permissible provided that the correct approved adapters and hardware are used and the equipment is included in the list below. This approved modification to these mounts requires written permission from the STC holder. This STC covers only the installation of the Mount Structure and related adapters and hardware, and does not approve installation of any electronic/electrical equipment. **Under no circumstance may the total weight of any equipment and attachments suspended below the mount structure exceed 80.0 pounds U.S., or 1.84 square feet of frontal area. Certificated High Skid Gear Required on all installations. Minimum ground clearance of installed equipment 5.75 inches.**

"It is the responsibility of the installing agency to verify adequate clearance between the bottom of the Payload Equipment and the ground on all installed equipment."

1. Wescam/Troll Skypod Series Microwave Antenna, All Versions.
2. Broadcast Microwave Services GCA-4 Antenna, All Versions.
3. Microwave Radio Communications/ R.F. Technology 2 Ghz. GPS Autopod, All Versions.
4. Microwave Radio Communications/ R.F. Technology 7 Ghz. GPS Autopod, All Versions.
5. Microwave Radio Communications/ R.F. Technology 5 dBi Omni Antenna, All Versions.
6. Nucom Skymaster Antenna Pod, All Versions.
7. Broadcast Microwave Services GCA-11 Antenna, All Versions.
8. Mosaic Almis External Pod, All Versions.
9. N Systems Inc. SP4 Superpod, All Versions.
10. Troll Skylink SLHD Antenna, all versions.
11. Troll Skylink SLLC Antenna, all versions.
12. Flir 7000 and 8000 Series Gimbals, with or without vibration collar.
13. RDF Products Model DMA-() Series antennas, all versions,
with or without 36 inch diameter .250 thick circular ground-plane plate.

END