

LETTER OF CONDITIONAL APPROVAL FOR USE

Supplemental Type Certificate SR00862LA
Aero Pacific AP600UM02 Aft Belly Utility Mount

MDHC(HUGHES) Models 369, A, H, HM, HS, HE, D, E, F, FF, 500N, 600N

Mount Serial Number _____

Permission to install and utilize this supplemental type certificate is granted to:

Name _____

Address _____

For Specific Installation On:

Aircraft Make _____

Aircraft Model _____

Serial Number _____

Registration _____

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Stephen Murray
Aero Pacific
2016 Palomar Airport Road A.
Carlsbad, CA 92008 USA
(760) 931-0022

Date _____

Signature _____

Supplemental Type Certificate

Number SR00862LA

This Certificate issued to Stephen C. Murray
2016 Palomar Airport Road
Hangar A
Carlsbad, California 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 TCDS

Original Product Type Certificate Number: H3WE

Make: MDHC (HUGHES)

Model: 369, 369A, 369H, 369HM, 369HS, 369HE, 369D,
369E, 369F, 369FF, 500N, 600N

Description of Type Design Change: Installation of aft belly utility mount, in accordance with FAA Approved Aero Pacific Master Drawing List for Aft Belly Utility Mount, MDL 6000, Revision "NEW" dated March 20, 1999, or Aero Pacific Master Data List 600UM02-30, Revision "New," dated March 5, 2002 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. 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: January 6, 1999

Date reissued:

Date of issuance: October 7, 1999

Date amended: MAR 1 2002



By direction of the Administrator

[Handwritten Signature]
(Signature)

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

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

AERO PACIFIC
2016 Palomar Airport Road
Carlsbad, CA 92008
Document Number 600UM02-RFM

**FAA APPROVED FLIGHT MANUAL SUPPLEMENT FOR
MD HELICOPTERS 369, 369A,H, HE, HM, HS, D, E, F, FF, 500N, 600N WITH THE
AERO PACIFIC AP600UM02 AFT BELLY UTILITY MOUNT**

This supplement must be attached to the MDHI FAA Approved Flight Manual when the Aero Pacific Aft Utility Belly Mount, AP600UM02 has been installed in accordance with:

STC SR00862LA

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the basic Rotorcraft Flight Manual.

1. INTRODUCTION

The Aero Pacific Aft Belly Utility Mount is designed to provide an under belly attachment for a variety of microwave antenna pods and other electronic equipment on MD 500 and 600 series helicopters. The cargo hook may be used with or without the mount and/or equipment installed.

2. OPERATING LIMITATIONS

- 2.1 Power on Vne is limited to 130 kts up to 4,000 ft, decrease Vne 4.5 kts /1,000 ft above 4,000 ft. Power off Vne is 30 kts less than power on Vne.
- 2.2 When the Aft Belly Utility Mount and the Cargo Hook are both installed, the cargo hook load limit is decreased by 70 lbs.

3. EMERGENCY PROCEDURES

No Change

4. NORMAL PROCEDURES

Check mount installation for general condition and security.

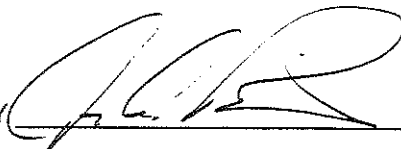
5. PERFORMANCE

No Change

6. WEIGHT AND BALANCE DATA

No Change

FAA APPROVED BY _____



Acty Manager, Flight Test Branch, ANM-160L
Federal Aviation Administration
Los Angeles Aircraft Certification Office
Transport Airplane Directorate

DATE OF APPROVAL _____

10/7/99

STC SR00862LA
Master Data List
Aero Pacific Document Number 600UM02-30 3/5/02 Revision New

Item	Document Number	Description	Date/Revision
1.	600UM02-20	Master Drawing List 6000	3/5/02 Rev B
2.	600UM02-08	Installation Manual p/n AP600UM02-MM	6/10/00 Rev. A
3.	600UM02-02	Instructions for Continued Airworthiness p/n AP600UM02-ICA	7/25/99 Rev. New
4.	600UM02-12	List of Qualified Payload Equipment	3/5/02 Rev. B

FAA APPROVED

MAR 11 2002

LOS ANGELES
AIRCRAFT CERTIFICATION OFFICE
INITIALS: *CB*

PROJECT NUMBER ST7015LA-R
 MASTER DRAWING LIST 6000

Aero Pacific Document Number 600UM02-20 Dated 3/5/02 Rev. B
 MDH 500/600 Series Helicopter

DRAWING #	DRAWING TITLE	(PART #)	DATE	REVISION
6000-01	Mount Assembly	AP600UM02	3/10/99	New
6000-02	Left Hardpoint Assembly	AP600UM02-02	3/11/99	New
6000-03	Right Hardpoint Assembly	AP600UM02-01	3/11/99	New
6000-04	Left Mount Bracket	AP600UM02-02	3/7/99	New
6000-05	Right Mount Bracket	AP600UM02-01	3/9/99	New
6000-06	Doubler	AP600UM02-03	3/8/99	New
6000-07	Adaptor	AP600UM02-04	2/5/99	New
6000-08	Lateral Brace	AP600UM02-05	1/14/99	New
6000-09	Channel	AP600UM02-08	1/26/99	New
6000-10	Aft Bracket	AP600UM02-09	2/2/99	New
6000-11	Spacer	AP600UM02-10	2/3/99	New
6000-12	Aft Plate	AP600UM02-11	2/12/99	New
6000-13	Spider Plate, Skypod 5	AP600UM02-06	1/14/99	New
6000-14	Spider Plate, BMS Pod	AP600UM02-07	3/18/99	New
6000-15	Dovetail Plate, Upper	AP001UM01B	3/11/99	New
6000-16	Dovetail Plate, Lower	AP001UM02-01	1/16/99	New
6000-17	Side Clamp	AP001UM02-02	1/16/99	New
6000-18	Bracket	AP600UM02-13	3/20/99	New
6000-19	Adaptor, MRC/RF Tech Antennas	AP600UM02-14	2/21/00	New

FAA APPROVED

MAR 11 2002

LOS ANGELES
 AIRCRAFT CERTIFICATION OFFICE
 INITIALS: 

STC SR00862LA

AP600UM02 UTILITY MOUNT
Aero Pacific Document Number 600UM02-12
3/5/02 Rev. B

LIST OF QUALIFIED PAYLOAD EQUIPMENT

The following Antenna assemblies and other equipment are qualified for attachment to the AP600UM02 Utility Mounts. They must be attached using specific attachment hardware and the correct manufactured parts supplied by the mount manufacturer at the time of purchase or installation. 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 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 55.0 pounds U.S., or 260 square inches of frontal area, or a moment of 456.5 inch-pounds. Certificated High Skid Gear Required on all installations.

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.

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Aero Pacific
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