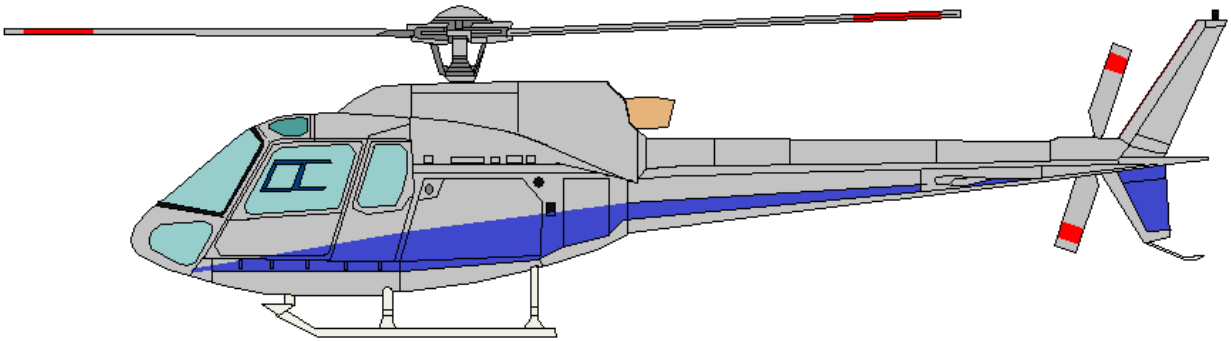


**AIR COMM CORPORATION
3300 AIRPORT ROAD
BOULDER, CO. 80301**

**DOCUMENTS FOR THE INSTALLATION OF THE
EUROCOPTER MODEL AS350 CABIN AIR CONDITIONING SYSTEM**



LIST OF EFFECTIVE PAGES

LIST OF REVISIONS: Revision 0 (Original Issue)...,20 July 2007

Revision 1 (addition of Poly-V belt compressor drive) 7 January 2009

LIST OF EFFECTIVE PAGES

Title	Page(s)	Revision No.
Record of Revisions	i	4
List of Effective Pages	ii	1
Table of Contents	iii	0
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Chapter 1 General installation procedure & Reference Document	1-1	0
Chapter 2 Weight & Balance Information	2-1	2
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	1. Scope	0-1
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Chapter 1	General installation procedure & Reference Document.	1-1
	1. General installation procedure	1-1
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CHAPTER 0 INTRODUCTION

This document contains information, which is required for the installation and operation of the Air Comm Corporation's air conditioning system installed in the Eurocopter EC130B series helicopter. After completion of the installation of the air conditioner system the Weight & Balance Information, Flight Manual Supplement, and the Supplemental Type Certificate must be removed from this document and placed with the appropriate existing aircraft documents.

1. SCOPE

The scope of this document encompasses the general procedures and reference documentation necessary to install the Air Comm Corporation air conditioning system in the Eurocopter AS350 series helicopter.

2. PURPOSE

The purpose of this document is to provide the aircraft mechanic in the field the necessary information and documentation to install the air conditioning system.

3. ARRANGEMENT


This document is arranged by chapters, which are broken down into paragraphs and sub-paragraphs. All of the chapters and paragraphs are listed in the front of this document in the Table of Contents, and are further identified by their individual page number.

4. APPLICABILITY

This document is applicable to Eurocopter Helicopter models AS350 that are equipped with the Air Comm Corporation kit number AS350-200, AS350-202 & AS350-204 air conditioner system.

5. Changes

Changes made to a line or paragraph of this document will be indicated by a vertical bar in the right hand margin, while a complete page change will be indicated by a vertical bar next to the page number.

(Example: Any changes will appear with a vertical bar next to that change). 

**CHAPTER 1
GENERAL INSTALLATION PROCEEDURE & REFERANCE DOCUMENT**

1. GENERAL INSTALLATION PROCEEDURE

This section is intended to supplement the information contained on the installation drawings. All details and notes contained on the drawings should be reviewed carefully. As instructions for installation are provided on the installation drawing where appropriate, and are not repeated in this document.

It will be necessary to remove the transmission cowlings, the main cabin headliner, Chin bubbles, to facilitate the installation of this kit.

The system components and associated hardware are packaged separately. Prior to beginning the installation it is recommended that the hardware be inventoried and placed in separate (labeled) boxes to prevent mixing.

Care should be taken to prevent contamination of the air conditioner system! All plugs on the plumbing assemblies and system components should *not* be removed until just prior to installation of the part. The exception to this procedure is the installation of the receiver / drier bottle. The receiver / drier should be left capped and not installed until just prior to servicing the system with refrigerant. This prevents the desiccant inside the bottle from becoming saturated with water.

2. REFERANCE DOCUMENT

The approval basis of the system covered by this document is Supplemental Type Certificate

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**CHAPTER 2
WEIGHT & BALANCE INFORMATION**

This page must be removed and placed with the appropriate existing aircraft documents.

Weight breakdown – Eurocopter AS350 series air conditioning system:
Dwg. AS350-200 (Flat Belt Configuration) AS350-202 (Poly-V Belt Configuration)

Weight & Balance

Item	Wt. (lbs)	X-Arm (in)	X-M (in-lb)	Y-Arm (in)	Y-M (in-lb)
	94.71	112.3	10,640	13.1	1245

Weight breakdown – Eurocopter AS350 series air conditioning system:
Dwg. AS350-204 (Flat Belt Configuration) AS350-204 (Poly-V Belt Configuration)

Weight & Balance

Item	Wt. (lbs)	X-Arm (in)	X-M (in-lb)	Y-Arm (in)	Y-M (in-lb)
	97.5	141.9*	13839	6.7*	654

*RH is positive, X=airframe station (0.0 is forward of the airframe), Y=aircraft butt line (0.0 is airframe centerline)

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**CHAPTER 3
FLIGHT MANUAL SUPPLEMENT**

1. FLIGHT MANUAL SUPPLEMENT

The following document must be removed and placed with the appropriate existing aircraft documents.

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Air Comm Corporation
 3330 Airport Rd
 Boulder, CO. 80301
 Document Number AS350-1
 Revision 5

Supplement to the Eurocopter RFM for
 Models AS350C, D, D1, B, B1, B2, BA & B3
 when modified with the
 Cabin Air Conditioning System
 STC Number SR00643DE


FAA APPROVED ROTORCRAFT FLIGHT MANUAL SUPPLEMENT

FOR THE EUROCOPTER MODELS AS350C, D, D1, B, B1, B2, BA & B3 WHEN EQUIPPED WITH THE CABIN AIR CONDITIONING SYSTEM

Aircraft Reg. No.: _____ Aircraft Serial No.: _____

This supplement must be attached to the DGAC or EASA approved Eurocopter France Rotorcraft Flight Manual when the rotorcraft has been modified by installation of Air Comm Corporation's Cabin Air Conditioning System in accordance with STC No. SR00643DE.


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

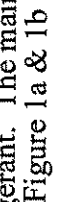
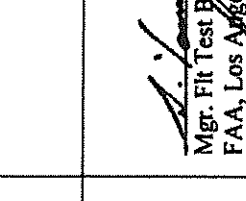
FAA Approved: 
 Manager, Flight Test Branch, ANM-160L
 Federal Aviation Administration
 Los Angeles Aircraft Certification Office
 Transport Airplane Directorate

Date: May 17, 2013
 Original approval date: August 10, 2007

Air Comm Corporation
 3330 Airport Rd
 Boulder, CO. 80301
 Document Number AS350-1
 Revision 5

Supplement to the Eurocopter RFM for
 Models AS350C, D, D1, B, B1, B2, BA & B3
 when modified with the
 Cabin Air Conditioning System
 STC Number SR00643DE

Log of Revisions			
Rev.	Pages	Description. of Change	FAA Approval/Date
Original	1-11		Approved: <u>Melissa Sandow</u> , for Date <u>August 10, 2007</u> Ronald F. May, Manager Denver Aircraft Cert. Office Northwest Mountain Region Denver, Colorado
1	1, 6, & 8	Pg 1; Corrected STC No. Pg 6, Fig. 3; Added circuit breaker as alternate. Pg 8, Fig. 5; Corrected view.	Approved:  Date: <u>For Field Use</u> <u>Denver, AZO</u> <u>Northwest Mountain Region</u> <u>Denver, CO</u> <u>DEC 5, 2007.</u>
2		Rev 2 rescinded and not issued.	
3		Rev 3 rescinded and not issued.	

Log of Revisions			FAA Approval/Date
Rev.	Pages	Description of Change	
4	3, 4, 5, 6, 7, 8, 9, 11	Updated description to remove rev. 2 & 3 changes. Changed Fig. 1a to Fig. 1. Removed placards fig 6 & 7 for rear baggage storage and storage bin page 11. Changed title of Sect. 1 from 'Introduction' to 'System Description'; moved Figures 2 to 5 From Sect. 2, Operating Limitations to Sect. 1; updated location for fig. 2, 3 & 4 from 'RH side' to 'instrument panel'. Updated fig. 4.	 Mgr. Fit Test Pt, ANM-160L FAA, Los Angeles ACO Transport Airplane Directorate Date: <u>May 17, 2013</u>
5	3, 4, 7, 11, 13	Revision 5 Description changes, Updated System Description, added Figure 1b Config., added Baggage and Storage Bin Placards to Section 3 Operating Limitations and clarified Note on page 13 electrical load monitoring.	 Mgr. Fit Test Pt, ANM-160L FAA, Los Angeles ACO Transport Airplane Directorate Date: <u>February 7, 2014</u>

Note: When this supplement is revised, the complete supplement is reissued.

SECTION 1 SYSTEM DESCRIPTION

The AS350 cabin air conditioner is a vapor cycle system which utilizes R134a refrigerant. The main components of this system, which are shown in Figure 1a & 1b are listed below.

- Compressor
- Condenser
- Forward mounted evaporator
- Aft mounted evaporator
- Refrigerant Plumbing
- Electrical system

The compressor is a rotary five cylinder design. The compressor is belt driven by an existing sheave, which is a part of the main rotor driveshaft. The compressor is supported by dedicated lugs which are integral to the driveshaft housing.

The condenser is mounted in one of two possible locations: in the right side baggage compartment (Figure 1a) or in the forward tail boom area (Figure 1b).

The forward evaporator is mounted forward of the pilots tail rotor control pedals. Conditioned air is delivered to the crew by means of air ducts, which are mounted to the sides of the instrument panel console.

The aft evaporator assembly is mounted on the right side of the transmission deck and is enclosed by the transmission cowling. Conditioned air is ducted to existing headliner ducting and air outlets.

The system controls contain A/C-OFF-Fan functions incorporated on a single "three position" switch. Two additional "two position" switches are provided for HI and LO blower selection for the forward and rear evaporators. The forward and aft evaporators can be operated independently of each other in the high or low blower positions.

The electrical system is designed for automatic load shedding in case of engine, or generator failure.

A "compressor ON" light is located on the instrument panel and this light is illuminated whenever the compressor is operating.

The plumbing system features an evaporator freeze switch for coil condensate freeze protection. In addition, this system includes a binary pressure switch which protects the system in case of loss of refrigerant, or system over-pressure event.

Both evaporator coil freeze up protection, and system cooling performances are achieved by a hot gas bypass valve. This valve meters refrigerant vapor to the evaporator heat exchanger to control the system operation.

A "GND MAINT" switch, located on the AC Relay Panel in the aft equipment bay, is provided to allow maintenance personnel the means of powering the air conditioning electrical system when the engine/generator is off-line. Pressing the "GND MAINT" switch latches a relay that overrides the air conditioner auto-load-shed circuit. The relay will unlatch when the generator is turned on following an engine start.

Figures 2 through 5 illustrate various components of the air conditioning system installation. Figure 2 shows the AC Control Panel. Figures 3 shows the approximate location of the air conditioning unit's circuit breaker or fuse, depending upon which type of circuit protection devices are installed. Figure 4 shows the Compressor ON light that is installed in view of the pilot. Figure 5 shows the AC Relay Panel that is located inside RH baggage compartment.

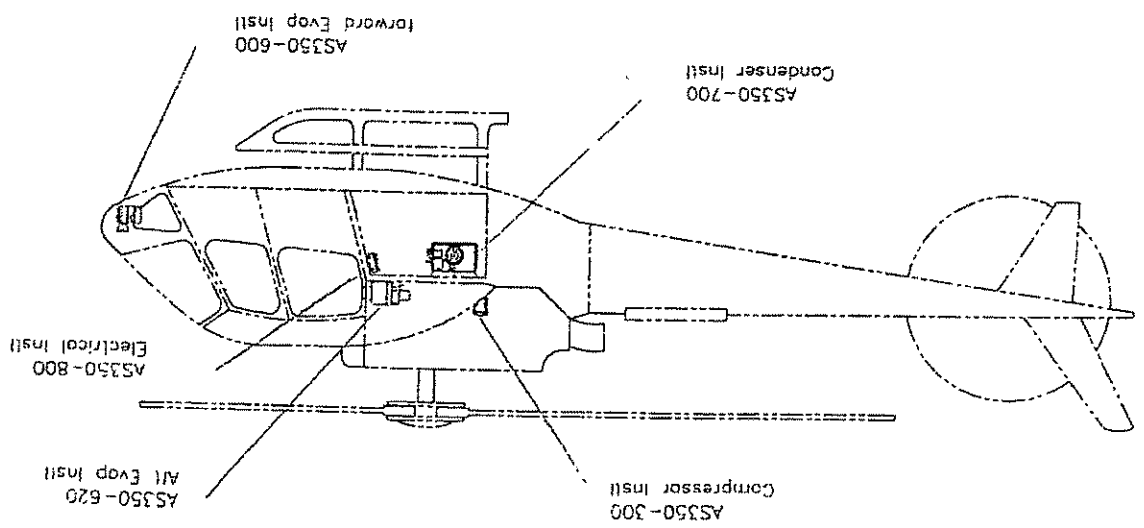


Figure 1a. General Arrangement - Cabin Air Conditioner with the Side Mount condenser

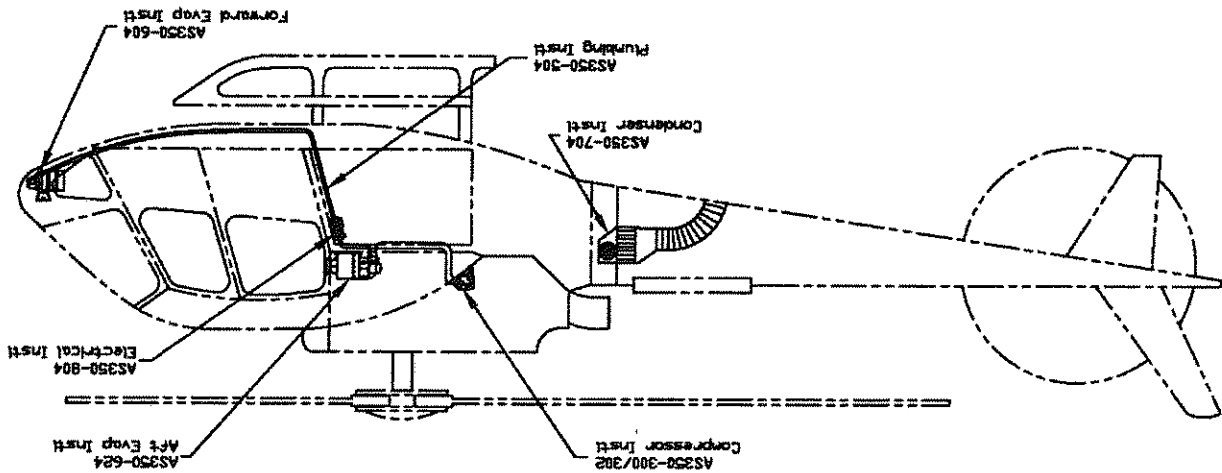


Figure 1b. General Arrangement - Cabin Air Conditioner with the tail boom condenser

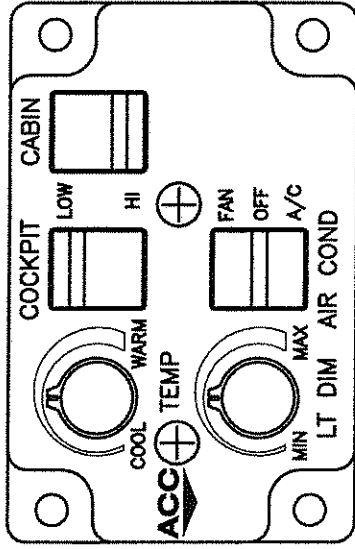


Figure 2. AC Control Panel - located in cockpit headliner. Alternate location - Instrument panel.

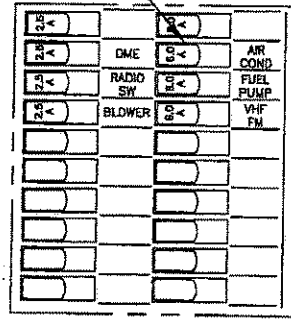


Figure 3. AC circuit breaker or fuse is located in the cockpit circuit breaker or fuse panel on the side of the instrument panel console.

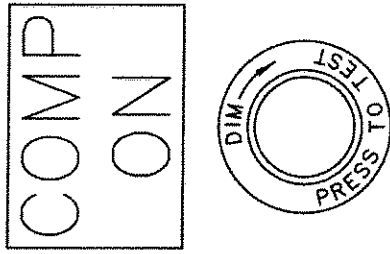


Figure 4. Compressor ON Annunciator
 Located on instrument panel
 within view and reach of pilot

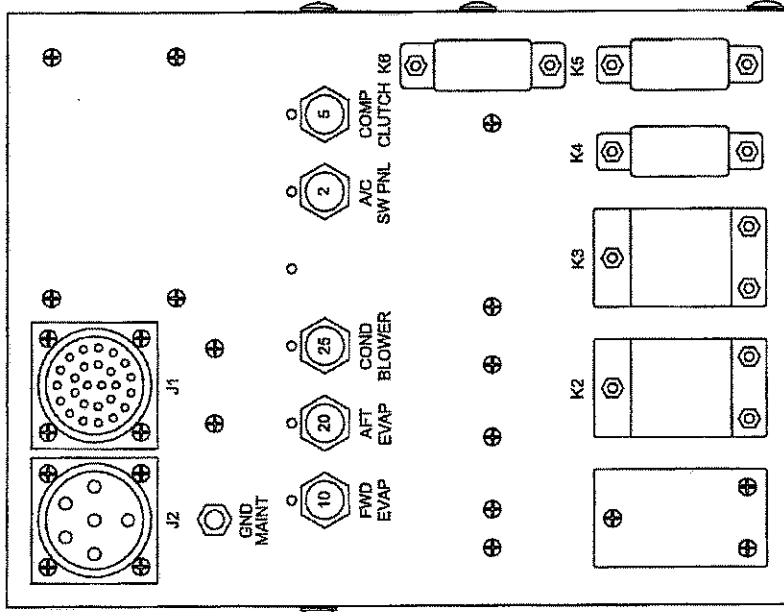


Figure 5. AC Relay Panel. Located inside RH baggage compartment

SECTION 2

OPERATING LIMITATIONS

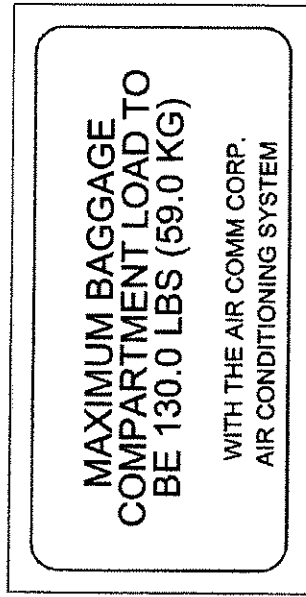


Figure 6. Rear Baggage Compartment Placard – located inside of aft cargo door.



Figure 7. Storage Bin Placard – located inside right side of storage bin.*

*Storage bin is optional equipment. If installed, the storage bin is located below the condenser in the AFT baggage compartment.

SECTION 3

EMERGENCY PROCEDURES

Place the A/C-OFF-FAN (3 position switch) to the OFF position for any of the following emergencies:

- Smoke in the cabin
- Engine failure
- Engine over-temperature
- Generator failure
- Water landing

NOTE

Loss of generator output will activate the air conditioner auto load shed circuitry, which will de-energize the entire air conditioning system, including compressor clutch.

NOTE

If outlet air is not cool, place the A/C-OFF-FAN (3-position switch) to the OFF or FAN position to preclude damage to the compressor.

SECTION 4 NORMAL PROCEDURES

PREFLIGHT CHECK (EXTERIOR)

- Compressor – Check security
- Compressor Drive Belt – Check tension and general condition
- Compressor Belt Shield – Check security

ENGINE PRESTART

- Check A/C-OFF-FAN (3-position switch) – OFF

BEFORE TAKEOFF

- A/C-OFF-FAN (3-position switch) – As desired
- EVAP FANS – FAN SPEED SWITCH – As desired

IN FLIGHT OPERATIONS

- A/C-OFF-FAN (3-position switch) – As desired
- EVAP FANS – FAN SPEED SWITCH – As desired

NOTE

Total air conditioning system electrical load is less than 42 amps. Monitor load for signs of abnormal operation.

NOTE

Simultaneous operation of the cabin heater and air conditioner can be used to achieve cabin defogging.

SECTION 5 PERFORMANCE DATA

When the air conditioner is operating, the performance data in the basic flight manual should be reduced as shown below:

Rate of Climb Degradation

Reduce the rate of climb in the basic Flight Manual by the amount shown below:

R/C Reduction 52 ft/min (16 m/min)

Hover Ceiling in Ground Effect and Out of Ground Effect

Add 40 lb (18 kg) to the actual IGE/OGE hover gross weight for takeoff power or maximum continuous power when entering the chart to determine hover ceiling.

CHAPTER 4
SUPPLEMENTAL TYPE CERTIFICATE

1. SUPPLEMENTAL TYPE CERTIFICATE

The following document must be removed and placed with the appropriate existing aircraft documents.

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United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SR00643DE

This certificate, issued to

**Air Comm Corporation
1575 West 124th Ave
Westminster, CO 80234**

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 Title 14, Part 27 of the Code of Federal Regulations.*

*Certification basis is set forth in Type Certification Data Sheet H9EU

Original Product—Type Certificate Number: H9EU
Make: Airbus Helicopters
Model: AS350C, AS350D, AD350D1, AS350B, AS350B1, AS350B2,
AS350BA, AS350B3

Description of the Type Design Change:

Installation of a vapor cycle cabin air conditioning system in accordance with Air Comm Corporation Master Drawing List DL-AS350, Revision C, dated September 27, 2007, or later Federal Aviation Administration approved revisions.

Limitations and Conditions:

1. Air Comm Rotorcraft Flight Manual Supplement Document Number AS350-1, dated August 10, 2007 or later FAA approved revisions must be maintained as part of the permanent records for the altered aircraft.
2. Instructions for Continued Airworthiness Eurocopter AS350 Air Conditioning System Document Number AS350-200M-1, Revision 0, dated July 20, 2007, FAA accepted September 20, 2007, or later FAA accepted is required for this installation.
3. Approval of this change in type design applies to the model of aircraft listed above only.
4. Compatibility of this design change with previously approved alterations must be determined by the installer.
5. 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.
6. A copy of this certificate and the appropriate flight manual supplement as listed above must be maintained as part of the permanent record for the altered aircraft.

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: June 25, 2007

Date reissued: November 24, 2014

Date of issuance: October 16, 2007

Date amended:



By direction of the Administrator

A handwritten signature in black ink, appearing to read "Todd Dixon".

Todd Dixon (Signature)
Acting Manager Denver Aircraft Certification Office
Northwest Mountain Region.

(Title)

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



Civil Aviation Authority of Singapore

Supplemental Type Certificate

No. AWI/STC/0069

Pursuant to the Air Navigation Order and subject to the conditions specified below, this certificate is issued to:

AIR COMM CORPORATION

1575 W. 124TH AVE,
SUITE 210 WESTMINSTER,
CO 80234

Original Product Type Certificate Number : EASA.R.008
Make : Airbus Helicopters
Model : AS350B, AS350B1, AS350B2, AS350BA & AS350B3
Aircraft Serial No : Refer to MDL

Description of the Type Design Change:

Installation of a Cabin Air Conditioning System on Airbus Helicopters Southeast Asia AS350 helicopters in accordance with Air Comm Corporation Master Drawing List No. DL-AS350, Revision T, dated 22 April 2014, or later CAAS approved revisions.

Limitations and Conditions : Refer to Page 2

Date of Issue : 24 September 2014
Initial Issue : 24 September 2014
Revision No : 0


Tan Kah Han
Director
(Airworthiness / Flight Operations)

for Director-General
Civil Aviation Authority of Singapore

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 Director-General of Civil Aviation.



Civil Aviation Authority of Singapore

Supplemental Type Certificate

No. AWI/STC/0069

AIR COMM CORPORATION

1575 W. 124TH AVE,
SUITE 210 WESTMINISTER,
CO 80234

Limitations and Conditions:

- 1) Approval of this change in type design applies to the above aircraft model and aircraft serial numbers indicated in the Master Drawing List only.
- 2) A copy of this certificate and Air Comm Corporation Master Drawing List No. DL-AS350, Revision T, dated 22 April 2014, or later CAAS approved revision must be maintained in the aircraft permanent records.
- 3) This approval should not be extended to other aircraft of this model on which previously approved modifications are incorporated unless it is determined to have no adverse effect on the airworthiness of the aircraft.
- 4) If the holder of this certificate agrees to permit another organisation to use this certificate to alter the product, the holder shall give the other organisation written evidence of that permission.
- 5) The holder of this certificate shall comply with SAR 21 Subpart C on the maintenance of all relevant documents and the need to inform all users of this change in type design of any updates to instructions for continued airworthiness.
- 6) The Limitation and Conditions listed in FAA STC No: SR00643DE, shall also apply to this STC.





SUPPLEMENTAL TYPE CERTIFICATE

EASA.IM.R.S.01537

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

Air Comm Corporation

3300 Airport Road
CO-80301
Boulder
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 TC EASA.R.008

Type Certificate Holder: Eurocopter

Model: AS 350 D, B, B1, B2, BA, B3

Original STC Number: FAA STC SR00643DE

Description of Design Change:

Installation of Air Conditioning System.

Associated Technical Documentation:

- Master Drawing List Doc. No. DL-AS350, Rev. E dated June 06, 2009, or later approved revision
- Flight Manual Supplement Doc. No. AS350-1, Rev. 1 dated December 5, 2007, or later approved revision
- Instructions for Continued Airworthiness Eurocopter AS350 Air Conditioning System Doc. No. AS350-200M-1, Rev. 1 dated July 01, 2009, or later accepted revision

Limitations and Conditions:

1. 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.
2. 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: 24 July 2009


Massimo MAZZOLETTI
Certification Manager



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 2009S04-14
(Number)

Este certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986,
(This certificate, issued in the basis of the Law No. 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,

é conferido ao (à): Air Comm Corporation
(is granted to:) 3300 Airport Road
Boulder, CO 80301
USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições
(for having the change to the type design of the product mentioned below, with the limitations and conditions thereof as)
especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.
(specified hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: 84 (FN157) (DGAC).
(Original Product - Type Certificate No:)

Fabricante: Eurocopter France.
(Manufacturer:)

Modelo(s): AS350B.
(Model(s):)

DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO:
(Description of Type Design Change:)

Installation of a vapor cycle cabin air conditioning system in accordance with Air Comm Corporation Master Drawing List, Document No. DL-AS350, Rev. E, dated 6 Jan. 2009, or later approved revisions.

This CHST validates in Brazil the STC # SR00643DE, issued by FAA.

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

See continuation sheet for applicable data.

DATAS:
(Dates of:)

Do Requerimento: 20 Fev. 2009
(Application:)

Da emissão: 17 Abr. 2009
(Issue:)

Da reemissão:
(Reissue:)

ADEMIR ANTÔNIO DA SILVA
Gerente Geral, Certificação de Produtos Aeronáuticos
(Manager, Aeronautical Products Certification)

Hélio Tarquinio Junior
Certificação de Produto Aeronáutico
Gerente Geral - Substituto

F-400-01D (09.06)

Fl. 01 de 02
(Sheet of)

H.02-3035-0

DINO ISHIKURA
Superintendente de Aeronavegabilidade
(Airworthiness Superintendent)



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

Folha de Continuação ao
(Continuation Sheet to)

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 2009S04-14
(Number)

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

- I. The approval of this type design change should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that rotorcraft.
- II. 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.
- III. Operation must be performed in accordance with FAA approved Air Comm Corporation Rotorcraft Flight Manual Supplement (RFMS), Document No. AS350-1, Rev. 1, dated 5 Dec. 2007, or later approved revisions.
- IV. Instructions for Continued Airworthiness (ICA), Air Comm Corporation Document No. AS350-200M-1, Rev. 1, dated 7 Jan. 2009, or later FAA accepted revisions, is required for this installation.
- V. A copy of this Certificate and the Supplement referred on item III above shall be maintained as part of the permanent records of the modified rotorcraft.

-----END-----



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 2009S04-15
(Number)

Este certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986,
(This certificate, issued in the basis of the Law No. 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,

é conferido ao (à): Air Comm Corporation
is granted to:) 3300 Airport Road
Boulder, CO 80301
USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições
(for having the change to the type design of the product mentioned below, with the limitations and conditions therefor as)
especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.
(specified hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: 8812 (ANAC).
(Original Product - Type Certificate No:)

Fabricante: Eurocopter France.
(Manufacturer:)

Modelo(s): AS350B1, AS350B2, AS350B3 and AS350BA.
(Model(s):)

DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO:
(Description of Type Design Change:)

Installation of a vapor cycle cabin air conditioning system in accordance with Air Comm Corporation Master Drawing List, Document No. DL-AS350, Rev. E, dated 6 Jan. 2009, or later approved revisions.

This CHST validates in Brazil the STC # SR00643DE, issued by FAA.

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

See continuation sheet for applicable data.

DATAS:
(Dates of:)

Do Requerimento: 20 Fev. 2009
(Application:)

Da emissão: 17 Abr. 2009
(Issue:)

Da reemissão:
(Reissue:)


ADEMIR ANTÔNIO DA SILVA

Gerente Geral, Certificação de Produtos Aeronáuticos
(Manager, Aeronautical Products Certification)



DINO ISHIKURA
Superintendente de Aeronavegabilidade
(Airworthiness Superintendent)

F-400-01D (09.06)

Hélio Tarquinio Junior
Certificação de Produto Aeronáutico
Gerente Geral - Substituto

Fl. 01 de 02
(Sheet) (of)

H.02-3036-0



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

Folha de Continuação ao
(Continuation Sheet to)

CERTIFICADO DE HOMOLOGAÇÃO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 2009S04-15
(Number)

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions:)

- I. The approval of this type design change should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that rotorcraft.
- II. 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.
- III. Operation must be performed in accordance with FAA approved Air Comm Corporation Rotorcraft Flight Manual Supplement (RFMS), Document No. AS350-1, Rev. 1, dated 5 Dec. 2007, or later approved revisions.
- IV. Instructions for Continued Airworthiness (ICA), Air Comm Corporation Document No. AS350-200M-1, Rev. 1, dated 7 Jan. 2009, or later FAA accepted revisions, is required for this installation.
- V. A copy of this Certificate and the Supplement referred on item III above shall be maintained as part of the permanent records of the modified rotorcraft.

----- END -----



SECRETARÍA DE
COMUNICACIONES
Y TRANSPORTES



CONVALIDACIÓN DEL CERTIFICADO DE TIPO SUPLEMENTARIO No. SR00643DE

La Secretaría de Comunicaciones y Transportes, con base en las Cartas de Política AV-01/02 R4 y AV-05/05 R2 de fecha 24 de Enero de 2012 y 25 de Julio de 2008, respectivamente y al Artículo 21, Fracción XIV del Reglamento Interior de la Secretaría de Comunicaciones y Transportes, a través de la Dirección General de Aeronáutica Civil, otorga este documento a favor de:

The Secretaría de Comunicaciones y Transportes, based in the Cartas de Política AV-01/02 R4 and AV-05/05 R2 dated January 24, 2012 and July 25, 2008, respectively and the Article 21, Section XIV of the Reglamento Interior de la Secretaría de Comunicaciones y Transportes, by means of the Dirección General de Aeronáutica Civil, issues this document to:

AIR COMM CORPORATION.

**3300 Airport Road
Boulder, CO 80301
USA**

Convalidando el Certificado Tipo Suplementario No. SR00643DE, de fecha 16 de Octubre de 2007, emitido por la Administración Federal de Aviación (FAA).

Validating the Supplemental Type Certificate No. SR00643DE, dated October 16, 2007, issued by the Federal Aviation Administration (FAA).

Lo enunciado a continuación, reúne las especificaciones mínimas aplicables para su operación segura en acuerdo a las Normas, Procedimientos y Reglamentaciones requeridas por esta Dirección General de Aeronáutica Civil (DGAC).

The described below meets the applicable minimum specifications for safe operation in accordance with the Standards, Procedures and Regulations required by the Dirección General de Aeronáutica Civil (DGAC).

Cualquier alteración a esta Convalidación será sancionada con todo el rigor que corresponda, de acuerdo a lo establecido en la Ley de Aviación Civil.

Any alteration to this Validation will be punished to the full extent applicable, in accordance with the provisions of the Ley de Aviación Civil



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SCT

No. CONTROL D.G.A.C.

IA-167/2012

DGAC control No.

TITULAR

AIR COMM CORPORATION.

Holder

MODIFICACIÓN

Instalación del Sistema de Aire Acondicionado de Ciclo de Vapor de acuerdo con la lista Maestra de dibujos No. DL-AS350 de Air Comm Corporation, Revisión C de fecha 27 de Septiembre de 2007 o revisiones posteriores aprobadas por la Administración Federal de Aviación (FAA).

Modification

Installation of a vapor cycle air conditioning system in accordance with Air Comm Corporation Master Drawing List No. DL-AS350, Revision C, dated September 27, 2007 or later Federal Aviation Administration (FAA) approved revisions.

LIMITACIONES

Limitations

1. La aprobación de este cambio al diseño de tipo aplica a las aeronaves listadas abajo.
2. El instalador deberá determinar si este cambio al diseño es compatible con las modificaciones previamente aprobadas.
3. Una copia de este certificado, la lista Maestra de dibujos No. DL-AS350 de Air Comm Corporation, Revisión C de fecha 27 de Septiembre de 2007 y el suplemento al manual de vuelo del helicóptero, documento número AS350-1 de fecha agosto 10 de 2007 o revisiones posteriores aprobadas por la FAA, deberán mantenerse como parte de los registros permanentes de la aeronave modificada.
4. Las Instrucciones de Aeronavegabilidad Continua para el Eurocopter AS350 sistema de aire acondicionado, número de documento AS350-200M-1, revisión 0, de fecha 20 de Julio de 2007, aceptado por FAA 20 de Septiembre de 2007 o revisión posterior aceptada por la FAA es requerida para esta instalación.
5. Si el dueño está de acuerdo en permitir que otra persona use este certificado para alterar este producto el dueño debe dar a la otra persona evidencia escrita de este permiso.

Cualquier alteración a esta Convalidación será sancionada con todo el rigor que corresponda, de acuerdo a lo establecido en la Ley de Aviación Civil.

Any alteration to this Validation will be punished to the full extent applicable, in accordance with the provisions of the Ley de Aviación Civil



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1. Approval of this change in type design applies to the aircraft models listed below.
2. The installer must determine whether this design change is compatible with previously approved modifications.
3. A copy of this certificate, Air Comm Corporation Drawing List DL-AS350, Revision C, dated September 27, 2007, and Air Comm Rotorcraft Flight Manual Supplement Document Number AS350-1, dated August 10, 2007 or later FAA approved revisions must be maintained as part of the permanent records for the modified aircraft.
4. Instructions for Continued Airworthiness Eurocopter AS350 Air Conditioning System Document Number AS350-200M-1, Revision 0, dated July 20, 2007, FAA accepted September 20, 2007, or later FAA accepted is required for this installation.
5. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

**APLICABLE A LAS
AERONAVES
Applicability**

*Eurocopter France aircraft, models AS350C, AS350D, AS350D1,
AS350B, AS350B1, AS350B2, AS350BA and AS350B3.*

VIGENCIA: Esta convalidación y las limitaciones forman parte del mismo, se mantendrán vigentes hasta que sean cancelados, suspendidos o revocados o si se establece una fecha de terminación por la Dirección General de Aeronáutica Civil (DGAC).

Validity: This validation and the limitations which is part hereof, shall remain in effect until surrendered, suspended or revoked or a termination date is otherwise established by the Dirección General de Aeronáutica Civil (DGAC).

DIRECCIÓN GENERAL ADJUNTA DE AVIACIÓN

FECHA DE EMISIÓN
Date of Issue

04 de Julio de 2012
July 04, 2012

AGUSTIN CANO GALVAN
DIRECTOR GENERAL ADJUNTO DE AVIACIÓN

Cualquier alteración a esta Convalidación será sancionada con todo el rigor que corresponda, de acuerdo a lo establecido en la Ley de Aviación Civil.
Any alteration to this Validation will be punished to the full extent applicable, in accordance with the provisions of the Ley de Aviación Civil