



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

IMPORT

Number: SE03495NY

This certificate issued to: Helicopteres Guimbal S.A.
Aerodrome d' Aix-en-Provence
13290 Les Milles, France

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Car 13 of the Civil Air Regulations.

Original Product – Type Certificate Number: E-286
Mcnrg: Lycoming Engines
Mqf gn O-360-J2A

Description of Type Design Change:

Installation of an electronic ignition system, an air conditioning compressor, and an oil filter adapter in accordance with Helicopteres Guimbal document “Installation, Operator’s and Maintenance Manual,” Doc. No. P/N J45-001, Issue 04, dated October 2, 2014 or later EASA approved revisions, and Type Design Definition “O360-J2A Plasma STC Parts List” Doc. No. J45-002, Revision F, dated December 31, 2012 or later EASA approved revisions.

(See Description of Type Design Change continued on Page 3 of 3)

Limitations and Conditions:

- 1. The ignition system control unit must not be installed in a dedicated engine fire zone. The installation conditions and assumptions are defined in the Installation Manual that is specified above.
- 2. This STC is exclusive of any rotorcraft or aircraft installation. A separate FAA certification is required for installation of the engine with this modification into any rotorcraft or aircraft.

(See Limitations and Conditions continued on Page 3 of 3)

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

Date of application: January 21, 2013

Date reissued:

Date of issuance: January 14, 2015

Date amended:

By direction of the Administrator

Signature _____

Title Gaetano Sciortino
Manager
New York Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC’s supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number: SE03495NY

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Supplemental Type Certificate

(Continuation Sheet)

Number: SE03495NY

Date Issued: January 14, 2014

Description of Type Design Change (continued):

The following Helicopteres Guimbal instructions for operation, maintenance, and inspection document is required with this installation: Helicopteres Guimbal document "Installation, Operator's and Maintenance Manual," Doc. No. P/N J45-001, Issue 04, dated October 2, 2014 or later EASA approved revisions.

Limitations and Conditions (continued):

3. The data in the TCDS E-286 remains valid except for the following:

Dimensions:

Overall height: 602 mm (23.7 in.)

Fuels:

- Aviation gasoline, 100 or 100LL per ASTM D910, B95/130 CIS or RH95/130.
- Unleaded fuel with a minimum octane rating of 98 as outlined in Doc. No. P/N J45-001, Issue 04, dated October 2, 2014, Section 2, or later EASA approved revisions.

Environmental Conditions:

Refer to Helicopteres Guimbal document "Installation, Operator's and Maintenance Manual," Doc. No. P/N J45-001, Issue 04, dated October 2, 2014, Section 7, or later EASA approved revisions.

- 4. Mandatory replacement time and/or inspection intervals are defined in the FAA Approved "Airworthiness Limitation" section of the Helicopteres Guimbal document "Installation, Operator's and Maintenance Manual," Doc. No. P/N J45-001, Issue 04, dated October 2, 2014.
- 5. The Installer must determine whether this design change is compatible with previously approved modifications.
- 6. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for this modification are as follows:

- The type certification basis for the Lycoming Engines O-360-J2A engine is shown on TCDS No. E-286 for parts not changed or not affected by the change.
- The type certification basis for the Lycoming Engines O-360-J2A engine is shown on TCDS No. E-286 for parts changed or affected by the change with the following CFR 14 exceptions:

Regulations at the amendment 33-0 through 33-22:

33.1 33.3 33.4 33.5 33.7 33.8
 33.11 33.15 33.17 33.19 33.21 33.23
 33.25 33.27 33.28 33.29 33.31 33.33
 33.34 33.35 33.37 33.39 33.42 33.43
 33.45 33.47 33.49 33.51 33.53 33.55
 33.57

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