

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

Number SR02531LA

This Certificate issued to **Diamond J Inc.
2020 West Harry
Wichita, KS 67213**

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.

Original Product Type Certificate Number: H2SW

Make: Bell Helicopter Textron Canada Limited

Model: 407

Description of Type Design Change: Installation of any one, or a combination of the eight Diamond J Inc. propulsion system indicators. A copy of the Rotorcraft Flight Manual Supplement (RFMS) corresponding to each installed indicator must be supplied with this Supplemental Type Certificate (STC). These instruments must be installed in accordance with Diamond J Inc. top drawing 24070, dated November 10, 2014 or later FAA approved revisions. A copy of the Instructions for Continued Airworthiness (ICA) must also be supplied with this STC.

NOTE: This STC is not an approval for a Night Vision Instrument System or Night Vision Goggle compatibility.

*See continuation page 3 for indicator part numbers, Rotorcraft Flight Manual Supplements and Instructions for Continued Airworthiness.

Limitations and Conditions: This 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 that aircraft. The approval of this modification applies to the above-noted airplane models only. If the holder agrees to permit another person to use this certificate to alter a 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: December 3, 2013

Date reissued:

Date of issuance: March 23, 2015

Date amended:



By direction of the Administrator

(Signature)
Manager, Propulsion 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.

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(Continuation Sheet)

Description of Type Design Change (continued)

Indicator	Part Number	RFMS	ICA
Gas Producer Tachometer Percent RPM	64001-142 64002-142 64003-142	089-64000-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-64000-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Percent Torque	65101-142 65102-142 65103-142	089-65100-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-65100-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Measured Gas Temperature	61001-142 61002-142 61003-142	089-61000-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-61000-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Engine Oil Pressure and Temperature	65021-142 65022-142 65023-142	089-65020-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-65020-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Dual Percent Rotor and Engine Power Turbine Tachometer	64201-142 64202-142 64203-142	089-64200-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-64200-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Fuel Quantity	62501-142 62502-142 62503-142	089-62500-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-62500-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Fuel Pressure and Ammeter	63131-142 63132-142 63133-142	089-63130-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-63130-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.
Transmission Oil Pressure and Temperature	65031-142 65032-142 65033-142	089-65030-142, Rev IR, dated February 25, 2015 or later FAA approved revisions.	087-65030-142, Rev IR, dated November 17, 2014 or later FAA accepted revisions.

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