

# Supplemental Type Certificate

*Number* SE01791LA

*This Certificate issued to* COLORADO AIR PARTS  
659 CRAWFORD AVENUE  
DELTA, COLORADO 81416

*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 33\* of the Federal Aviation Regulations. \*Certification basis is set forth in Type Certificate Data Sheet E5CE*

*Original Product Type Certificate Number:* E5CE

*Make:* Teledyne Continental Motors

*Model:* IO-520-B, -BA, -BB, IO-520-C, -CB

*Description of Type Design Change:* Conversion of the subject engines to incorporate modification of crankcase, replacing crankshaft assembly, main bearings, rod assembly, piston, fuel system, and fuel system adjustment in accordance with Master Document List EE1004-5, IO-550-B-EE, -C-EE, Revision A, dated April 27, 2005, or later FAA approved revisions. The resulting external configuration, interfaces and operating limitations will be identical to Type Certificate Data Sheet E3SO, IO550-B and IO-550-C at 300BHP +5%, -0% at 2700 RPM. Modified engines will be identified with an additional engine data plate.

*Limitations and Conditions:* Approval of this change in type design applies to the above engine model(s) only. This approval should not be extended to an engine model on which other previously approved modifications are incorporated 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 engine. A copy of this STC SE01791LA or a later FAA approved version must be included in the permanent records of the modified engine. 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. See page 3 for limitations and conditions.

*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 14, 2004

*Date reissued* August 21, 2015

*Date of issuance:* May 23, 2005

*Date amended:*

*By direction of the Administrator*



(Signature)

Supervisor, Technical & Administrative Support  
Staff, 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.

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

NOTE:

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SE01791LA

*Limitations and Conditions Continued:*

- 1) Certification Basis for STC SE01791LA is Title 14 Code of Federal Regulations (CFR) part 33, Amendment 33-8.
- 2) Instructions for Continued Airworthiness for IO-520-B, -BA, -BB conversion to IO-550-B-EE, is stated in Report EE1004-9, Revision IR, dated 7/19/04, and subject to all Airworthiness Directives issued against IO-550-B engine.
- 3) Instructions for Continued Airworthiness for IO-520-C, -CB conversion to IO-550-C-EE, is stated in Report EE1004-10, Revision IR, dated 7/19/04, and subject to all Airworthiness Directives issued against IO-550-C engine.
- 4) Instructions for Crankcase Disassembly-Rework, Engine Final Assembly, Post Conversion Overhaul Test, Installation of additional Engine Data Plate for IO-550- (-)-EE, and Engine Log Book entries will be conducted per Master Document List EE1004-5, Revision A, dated 4/27/05, as per Flow Chart on Process for Conversion of Teledyne Continental Motors Engine Models, dated 4/13/05, or later FAA approved revisions.

**-END-**

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