

Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

*Number* ST01529SE*This certificate, issued to*

**Precision Conversions, LLC**  
**4900 SW Griffith Drive, Suite 133**  
**Beaverton, OR 97005**

*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 Part \* of the Federal Aviation Regulations. \*See pages 3 through 6 of this STC for the Certification Basis and Compatibility*

*Original Product—Type Certificate Number:* A2NM  
*Make:* Boeing  
*Model:* 757-200 Series

*Description of the Type Design Change:* Conversion of a Boeing 757-200 series passenger configuration to a freighter configuration (including main deck cargo door, crew entry door, interior, and associated systems), in accordance with Precision Conversions, LLC Master Drawing List (MDL) PC-0118-09, Revision AX, dated September 14, 2009, or later Federal Aviation Administration (FAA) approved revision.

*Limitations and Conditions:* Approval of this change in type design applies only to the airplane models listed above. This approval should not be extended to other airplanes 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 other previously approved modifications will introduce no adverse effect upon the airworthiness of the airplane. A copy of this certificate and Precision Conversions, LLC MDL PC-0118-09, Revision AX, dated September 14, 2009, or later FAA-approved revision, must be maintained as part of the permanent records for the modified aircraft.

This modification is to be installed concurrently with Supplemental Type Certificate (STC) ST01490SE.

(See Continuation Sheets Pages 3 through 6 for additional 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 23, 1999

*Date reissued:*

*Date of issuance:* June 3, 2005

*Date amended:* 6/27/05; 12/29/05; 10/13/06; 11/9/07;  
9/30/09; 8/16/12



*By direction of the Administrator*

(Signature)

Acting Manager, Seattle 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.

This certificate may be transferred in accordance with FAR 21.47.

## Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* **ST01529SE**

### Precision Conversion, LLC

*Issued:* June 3, 2005

*Reissued:*

*Amended:* 6/27/05; 12/29/05; 10/13/06; 11/9/07; 9/30/09; 8/16/12

*Limitations and Conditions continued:*

#### Certification Basis:

- For components and areas not affected by the change, the original certification basis for the Boeing Model 757-200 airplane shown on FAA Type Certification Data Sheet A2NM, Revision 22.
- For components and areas affected by the change, Title 14 Code of Federal Regulations (CFR) part 25, effective February 1, 1965, including Amendments 25-1 through 25-99. Based on 14 CFR section (§) 21.115 and §21.101 the certification basis for this design change was determined to be as follows:

FAR	Amendment	FAR	Amendment	FAR	Amendment
25.1	25-00	25.373	25-00	25.603	25-46
25.2	25-99	25.395	25-72	25.605	25-46
25.23	25-00	25.397	25-72	25.607	25-23
25.25	25-63	25.399	25-00	25.609	25-00
25.27	25-00	25.471	25-23	25.611	25-23
25.29	25-72	25.473	25-23	25.613	25-72
25.251	25-23	25.477	25-00	25.619	25-23
25.301	25-23	25.479	25-23	25.621	25-00
25.303	25-23	25.481	25-00	25.623	25-00
25.305	25-23	25.483	25-00	25.625	25-72
25.307	25-72	25.485	25-00	25.629	25-46
25.321	25-23	25.489	25-23	25.671(a)	25-23
25.331	25-23	25.491	25-00	25.681	25-00
25.333	25-00	25.493	25-23	25.683	25-23
25.335	25-23	25.495	25-00	25.685(a), (c)	25-38
25.337	25-23	25.499	25-23	25.689	25-00
25.341	25-00	25.503	25-00	25.693	25-00
25.343	25-18	25.507	25-00	25.703	25-42
25.345	25-46	25.509	25-23	25.783	25-88
25.349	25-23	25.511	25-00	25.785	25-32
25.351(a)	25-46	25.561	25-23	25.787	25-51
25.351(b)	25-23	25.563	25-00	25.789	25-46
25.365 except (e)	25-00	25.571	25-54	25.791	25-72
25.365(e) fwd/aft cargo compartment	25-54	25.581	25-23	25.793	25-51
25.367	25-00	25.601	25-00	25.801	25-72
25.803	25-72	25.1309	25-41	25.1453	25-00
25.807	25-94	25.1316	25-80	25.1455	25-23
25.809	25-72	25.1322	25-38	25.1457	25-65
25.810	25-88	25.1351	25-72	25.1459	25-65
25.811	25-88	25.1353	25-42	25.1501	25-42

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*Limitations and Conditions continued:*

FAR	Amendment	FAR	Amendment	FAR	Amendment
25.812	25-88	25.1355	25-38	25.1503	25-00
25.831	25-41	25.1357	25-00	25.1505	25-23
25.841	25-38	25.1363	25-00	25.1519	25-00
25.843	25-00	25.1381	25-72	25.1529	25-54
25.851	25-74	25.1411	25-79	25.1541	25-00
25.853	25-83	25.1413	25-44	25.1543	25-72
25.855	25-93	25.1415	25-82	25.1545	25-00
25.857	25-93	25.1431	25-00	25.1555	25-00
25.858	25-93	25.1435	25-104	25.1557	25-72
25.863	25-46	25.1438	25-41	25.1561	25-46
25.869	25-72	25.1439	25-38	25.1563	25-00
25.981(a)(b)	25-102	25.1441	25-00	25.1581	25-42
25.993	25-15	25.1443	25-00	25.1583	25-42
25.1165(b)	25-23	25.1445	25-00	25.1585	25-42
25.1301	25-00	25.1447	25-87	Appendix F	25-72
25.1307	25-72	25.1449	25-00	Appendix H	25-54

#### Equivalent Level of Safety Finding:

An equivalent level of safety (ELOS) finding was proposed in accordance with § 21.21. An ELOS finding to §25.857(c)(1), "Cargo compartment classification," has been identified for this modification (documented in the Transport Airplane Directorate ELOS Memo ST4018SE-T-ES-2).

#### Exemption from FAR Part 25:

Exemption No. 8258 was granted February 24, 2004: Exemption from §25.783(h), §25.785(j), §25.807(g)(1), §25.807(i)(1), §25.810(a)(1), §25.812(e), § 25.812(h), §25.813(b), §25.857(e), and §25.1447(c)(1) to allow the carriage in the flight deck of not more than four persons other than flight crew members.

#### Eligible Serial Numbers:

See Precision Conversions, LLC Drawing Number 007B1004 for eligible airplane serial numbers.

#### Flight Operations:

Airplanes modified in accordance with this STC must be operated in accordance with the latest FAA-approved copy of the following documents:

1. Airplane Flight Manual Supplement, Document OL0181, OEMSN ( )
2. Airplane Weight and Balance and Loading Manual Supplement, Document OL0182-( )

The parentheses following the flight manual supplement and weight and balance supplement document numbers refers to the airplane serial number. The cargo handling systems approved for this modification are identified in the weight and balance supplement.

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### **Precision Conversion, LLC**

*Issued:* June 3, 2005

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*Amended:* 6/27/05; 12/29/05; 10/13/06; 11/9/07; 9/30/09; 8/16/12

*Limitations and Conditions continued:*

#### Instructions for Continued Airworthiness

Airplanes modified in accordance with this STC must be maintained in accordance with the following Precision Conversions, LLC documents:

Supplement to 757 Maintenance Planning Data (MPD), Document PC-0118-05, Revision Level V November 2008, dated November 4, 2008, or later FAA accepted revision.

Supplement to 757 MPD Document Section 9 Airworthiness Limitations and Certification Maintenance Requirements, Document PC-0118-05-9, Revision G, dated November 21, 2007, or later FAA-approved revision. See Note.

Supplemental Operations Manual, Document PC-0118-02, Revision H, dated May 30, 2009, or later FAA accepted revision.

Supplemental Maintenance Manual, Document PC-0118-06, Revision K, dated August 27, 2009, or later FAA accepted revision.

Structural Repair Manual Supplement for B757-200 Cargo Conversion, Document PC-0118-11, Revision B, dated June 17, 2009, or later FAA-approved revision.

Note: Section PC-0118-05-9 contains the Airworthiness Limitations which is FAA-approved and specifies maintenance required under § 43.16 and § 91.403 of the Federal Aviation Regulations. This section contains Supplemental Structural Inspections and mandatory Certification Maintenance Requirements (CMR), which are FAA-approved and must be complied with at the intervals specified. The CMRs and their intervals must not be deleted or escalated without the approval from the Manager, Seattle Aircraft Certification Office.

#### Note 1: STC Compatibility

Precision Conversions, LLC, STC number ST01529SE compatibility with aircraft modified under Aviation Partners Boeing (APB) STC ST01518SE meets the airworthiness requirements of part 25 of the Federal Aviation Regulations.\*\*

\*\* See table on Page 6 of this STC for the certification basis.

#### Certification Basis for compatibility:

Please note that the installation of the winglets on a 757-200 airplane was considered a significant change that required compliance to a combination of earlier and the latest (on the date of APB STC application) amendments of the regulations for Boeing 757-200 aircraft that was changed or affected by the APB STC design in accordance with § 21.101 and Advisory Circular 21.101.

The Precision Conversions freighter modification is shown compatible with the following certification requirements for the winglet installation.

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*Limitations and Conditions continued:*

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25.25	25-63	25.473	25-23	25.1351(a)(1)	25-72
25.27	25-00	25.477	25-00	25.1353(a)	25-113
25.29	25-72	25.479	25-23	25.1353(b)	25-113
25.301	25-23	25.481	25-94	25.1353(d)	25-113
25.303	25-23	25.483	25-91	25.1357(a)	25-00
25.305	25-86	25.485	25-00	25.1357(b)	25-00
25.307(a)	25-72	25.487	25-00	25.1357(c)	25-00
25.321	25-86	25.489	25-23	25.1501	25-42
25.331	25-91	25.491	25-00	25.1519	25-00
25.333	25-86	25.493	25-23	25.1529	25-54
25.335	25-23	25.495	25-00	25.1533	25-72
25.337	25-23	25.499	25-23	25.1581	25-72
25.341	25-86	25.503	25-00	25.1583	25-105
25.343	25-86	25.507	25-00	25.1585	25-105
25.345	25-91	25.509	25-23	25.1587	25-105
25.349	25-94	25.511	25-00	Appendix G	25-54
25.351	25-91	25.571	25-54	Appendix H	25-54
25.367	25-00	25.601	25-00	26.11(c)	26-00
25.373	25-86	25.613	25-112	26.11(d)	26-00
25.427	25-86	25.619	25-23	26.47	26-1

The previous revision of this STC ST01529SE, dated September 30, 2009, and the data contained therein, continues to be applicable unless overridden by Note 1.

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.

- END -

