



Supplemental Type Certificate

Number: STC SVA554

This certificate issued to: Blackhawk Modifications Inc
7601 Karl May Drive
Waco, Texas 76708

certifies that the type design for the following changed product with the limitations and conditions as specified herein meets the applicable airworthiness requirements for eligibility as a prescribed single-engine aeroplane (PSEA).

Original Product:	Type Acceptance Certificate Number:	A320 (previously A123)
	Referenced TC Number:	FAA A37CE
	Make/Model:	Cessna 208

Description of Type Design Change:
Option One:

Replacement of the original Pratt and Whitney PT6A-114(A) engine and propeller with a Pratt and Whitney PT6A-42A and 4-blade Hartzell Propeller HC-E4N-3P/D9900(K) propeller or 3-blade Hartzell Propeller HC-B3TN-3AE(Y)/T10290N(K)+2, and associated equipment in accordance with FAA STC SA02467LA, inclusive of Flight Systems Checkpoint Engine Trend Monitor System.

Installations done in accordance with FAA Approved Master Drawing List 201201-000, Rev A, dated Feb. 15, 2013, or later FAA approved revisions. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplements, AFMS 201201-1, Rev IR, dated June 21, 2013 and AFMS 201201-2, Rev IR, dated June 21, 2013 or later FAA approved revisions. Blackhawk Modifications Inc. Instructions for Continued Airworthiness document ICA 201201-30, Rev IR, dated June 14, 2013, or later revisions.

Option Two:

Replacement of the original Pratt and Whitney PT6A-114(A) engine and propeller with a Pratt and Whitney PT6A-42A and 4-blade Hartzell Propeller HC-E4N-3P/D9900(K) propeller or 3-blade Hartzell Propeller HC-B3TN-3AE(Y)/T10290N(K)+2, and associated equipment in accordance with FAA STC SA02467LA, inclusive of ADAS+ Engine Trend Monitor system.
(see continuation sheet)

Date of application: 01/03/2013

Date of issuance: 24/11/2014
Date Amended: 07/09/2022

This certificate is issued pursuant to Part 21.113A of the Civil Aviation Regulations 1998.


Klaus Schwerdtfeger
Delegate of the Authority

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(Continuation Sheet)

Option Two: (continued)

Installations done in accordance with FAA Approved Master Drawing List 201201-000, Rev A, dated Feb. 15, 2013, or later FAA approved revisions. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplements, AFMS 201201-1, Rev IR, dated June 21, 2013 and AFMS 201201-2, Rev IR, dated June 21, 2013 or later FAA approved revisions. ADAS+ installed IAW installation manual ADAS-G-010-1/A revision K, ADAS+ Addendum A, or later approved revisions, including additional drawings (x2) 201318-100+ Modifications for XP-42A. Blackhawk Modifications Inc. Instructions for Continued Airworthiness document ICA 201201-30, Rev IR, dated June 14, 2013, or later revisions.

Limitations and Conditions:

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those previously approved modifications will produce no adverse effect upon the airworthiness of that aircraft. 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.

This certificate and the supporting data which is the basis for approval shall remain in effect until suspended, cancelled or a termination date is otherwise established by the Civil Aviation Safety Authority.

Conditions:

The aircraft must meet the requirements of CAO 100.5 for PSEA.

These modifications are not compatible with Cessna Model 208 Serial Number 2080500 and greater, aircraft equipped with Garmin 1000 installations, and aircraft equipped with TKS installation.

Certification Basis:

14 CFR Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by Amendments 23-1 through 23-62 for 23.1, 23.21, 23.23, 23.25, 23.33, 23.45, 23.49, 23.51, 23.53, 23.63, 23.65, 23.69, 23.73, 23.75, 23.77, 23.141, 23.143, 23.145, 23.147, 23.153, 23.155, 23.157, 23.161, 23.171, 23.173, 23.175, 23.177, 23.179, 23.181, 23.201, 23.203, 23.221, 23.231, 23.233, 23.251, 23.253, 23.301, 23.303, 23.305, 23.307, 23.321, 23.331, 23.333, 23.335, 23.337, 23.341, 23.361, 23.363, 23.371, 23.421, 23.471, 23.473, 23.479, 23.481, 23.483, 23.485, 23.493, 23.499, 23.507, 23.509, 23.561, 23.572, 23.601, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.619, 23.623, 23.625, 23.627, 23.629, 23.735, 23.771, 23.831, 23.863, 23.865, 23.867, 23.901, 23.903, 23.905, 23.907, 23.925, 23.929, 23.933, 23.939, 23.955, 23.959, 23.961, 23.991, 23.993, 23.994, 23.999, 23.1011, 23.1017, 23.1019, 23.1021, 23.1023, 23.1027, 23.1041, 23.1043, 23.1045, 23.1091, 23.1093, 23.1103, 23.1111, 23.1121, 23.1123, 23.1141, 23.1163, 23.1165, 23.1181, 23.1183, 23.1193, 23.1203, 23.1301, 23.1305, 23.1308, 23.1309, 23.1321, 23.1322, 23.1327, 23.1329, 23.1331, 23.1337, 23.1351, 23.1357, 23.1359, 23.1365, 23.1381, 23.1416, 23.1431, 23.1501, 23.1507, 23.1519, 23.1521, 23.1525, 23.1527, 23.1529, 23.1541, 23.1543, 23.1547, 23.1549, 23.1551, 23.1555, 23.1557, 23.1581, 23.1583, 23.1585, 23.1587, 23.1589, except 23.1419 as amended by 23-1 through 23-14.

1. Special Condition 23-ACE-3, Dynamic Evaluation, Engine Installation. Factors from this special condition were incorporated into the whirl mode flutter analysis per 14 CFR 23.629(e)(1) and (2) Amendment 23-54, Flutter.
2. 14 CFR 34, effective January 1, 1994, as amended by Amendments 34-1 thru 34-4.
3. 14 CFR 36, effective December 1, 1969, as amended by Amendments 36-1 thru 36-28.

This certificate may be transferred in accordance with CASR (1998) 21.47

U/S
7/08/2022