

Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

*Number* SA02216SE*This certificate, issued to***Tamarack Aerospace Group, Inc.  
1302C Ontario St.  
Sandpoint, ID 83864**

*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 23\* of the Federal Aviation Regulations.* \*Certification basis is set forth on Type Certificate Data Sheet A00009CH and the Continuation Sheet.

<i>Original Product—Type Certificate Number:</i>	A00009CH
<i>Make:</i>	Cirrus Design Corporation
<i>Model:</i>	SR20, SR22

*Description of the Type Design Change:* Removal of mechanical link between engine throttle control and propeller RPM control. Installation of a separate RPM control lever, linkage between Cirrus RPM cable/cam followers, center console to accommodate three-lever configuration, new knobs for all levers, and new installation hardware (nuts, bolts, etc). Parts and assemblies controlled by Master Drawing List TAG-CSQ-301, Revision B, dated March 7, 2012, or later Federal Aviation Administration (FAA) approved revision. Installation controlled by Installation Manual/Instructions for Continued Airworthiness Supplement TAG-CSQ-203, Revision IR, dated January 30, 2012, or later FAA-accepted revision. Supplemental type certificate (STC) kits must be shipped with Airplane Flight Manual Supplement TAG-CSQ-201, Revision IR, dated February 9, 2012, or later FAA-approved revision.

*Limitations and Conditions:* The approval of this modification applies to the above model aircraft only. The 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. A copy of this certificate must be maintained as part of the permanent records of the modified 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 STC is applicable to the following serial blocks of Cirrus Design aircraft:
  - Cirrus SR20: Serial Numbers 1005 through 1885.
  - Cirrus SR22: Serial Numbers 0002 and subsequent without Garmin Perspective Avionics installation.

(See Continuation Sheet Page 3 of 3 Pages)

*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 10, 2011*Date reissued:* February 24, 2016*Date of issuance:* March 5, 2012*Date amended:* March 23, 2012; June 15, 2012*By direction of the Administrator*

(Signature)

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* SA02216SE

### Tamarack Aerospace Group, Inc.

*Issued:* March 5, 2012

*Reissued:* February 24, 2016

*Amended:* March 23, 2012; June 15, 2012;

*Limitations and Conditions Continued:*

- SR20 airplanes equipped with Hartzell BHC-J2YF-1BF/F7694 propeller assemblies must have a placard installed reading "Avoid operation between 1900 and 2200 RPM above 24" manifold pressure."

*Certification Basis:* The original certification basis for the Cirrus Design SR20 airplanes identified on Type Certificate Data Sheet (TCDS) A00009CH, Revision 17, dated February 10, 2010, excluding serial numbers 1886 and subsequent (equipped with the SR20 Wing Redesign) is as follows:

Title 14 Code of Federal Regulations (CFR) part 23, effective February 1, 1965, as amended by 23-1 through 23-47, except as follows: 14 CFR 23.573, 23.575, 23.611, 23.657, 23.673 through Amendment 23-48; 14 CFR 23.783, 23.785, 23.867, 23.1303, 23.1307, 23.1309, 23.1311, 23.1321, 23.1323, 23.1329, 23.1361, 23.1383, 23.1401, 23.1431, 23.1435 through Amendment 23-49; 14 CFR 23.3, 23.25, 23.143, 23.145, 23.155, 23.1325, 23.1521, 23.1543, 23.1555, 23.1559, 23.1567, 23.1583, 23.1585, 23.1589 through Amendment 23-50; 14 CFR 23.777, 23.779, 23.901, 23.907, 23.955, 23.959, 23.963, 23.965, 23.973, 23.975, 23.1041, 23.1091, 23.1093, 23.1107, 23.1121, 23.1141, 23.1143, 23.1181, 23.1191, 23.1337 through Amendment 23-51; 14 CFR 23.1305 through Amendment 23-52.

Noise: 14 CFR part 36, dated December 1, 1969, as amended by 36-1 through 36-21.

In addition to the certification basis stated above, for SR20 Serial Number (S/N) 1423 through 1877, and SR20 S/N 1879 and subsequent, the certification basis is amended to include the following regulations at the amendment levels stated for the SR20 Fuselage Redesign (G2 marketing designation): 14 CFR 23.561, 23.607, 23.629 through Amendment 23-48; 14 CFR 23.853 through Amendment 23-49; 14 CFR 23.161, 23.177, 23.181, 23.201, 23.203, 23.233, 23.1581 through Amendment 23-50; 14 CFR 23.925, 23.1043, 23.1047, 23.1183 through Amendment 23-51; 14 CFR 23.901 through Amendment 23-53.

The original certification basis for the Cirrus Design SR20 airplanes identified on TCDS A00009CH, Revision 17, dated February 10, 2010, is as follows:

14 CFR part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-53, except as follows: 14 CFR 23.301 through Amendment 42; 14 CFR 23.855, 23.1326, 23.1359, not applicable.

Noise: 14 CFR part 36, dated December 1, 1969, as amended by 36-1 through 36-22.

For aircraft equipped with optional Garmin G1000 avionics or Garmin G1000 avionics with Garmin GFC-700 autopilot system, the certification basis for installation specific items only is amended to include the following regulation at the amendment level stated: (Effective S/N 2979, 2992, 3002 and subsequent), 14 CFR 23.1308 through Amendment 23-57.

For aircraft equipped for optional Flight Into Known Icing operation, the certification basis for installation specific items only is amended to include the following regulation at the amendment level stated: (Effective S/N 3003, 3310, 3326, 3403 and subsequent); 14 CFR 23.1326, 23.1359 through Amendment 23-49; 14 CFR 23.1308 through Amendment 23-57.

- END -

*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.*