

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

Number SA02869CH

This certificate issued to

Mr. Brian Van Wagnen
4253 Saunt Road
Jackson, MI 49201

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 Civil Air 4a Regulations.

(See Aircraft Specification Number A-734 for the complete certification basis.)

Original Product--Type Certificate Number: A-734

Make: Gulfstream American

Model: G-44 (Serial number 1373)

Description of Type Design Change

Installed two Lycoming GO-480B1D model engines (with dual impulse coupling magnetos both engines and 24 volt alternator charging system) and two Hartzell HC-A3V20-2C/V9333C-3 model propellers. Modified airplane electrical system to a 24 volt system. Removed the left engine driven hydraulic pump and installed a new Oildyne (P/N 645659, 108B1, C25-1V-13-Y) 24 volt electric hydraulic pump and system. Added two Weldon (P/N 8100H) 24 volt electrical fuel boost pumps with fuel bypass system. Added an auxiliary float fuel tank and fuel transfer system. Installed a Whelen PR and PG navigation/strobe light system, a Pulselite model 1210/2405-2A system, two Rosen (P/N 1751200-111) sunvisors, Industrial Labs (P/N AFB-193-10) defrost blower, Guardian AERO-553 Carbon Monoxide (CO) monitor/clock, Electronics International VA-1A-50 volt/ammeter, Kory (P/N 318630-1001-035) landing gear light system, Dusters and Sprayers Supply (P/N 10.00) solid rubber tail wheel and tire assembly, and ACK E-01 Emergency Locator Transmitter (ELT). Installed Cleveland 199-167 wheel and brake conversion kit with associated brake system upgrades. Installed a new .063 thick aluminum cockpit instrument panel. Installed new Oregon Aero (P/N 6A-0058-1) pilot, and co-pilot seats with Pacific Scientific rotary buckle restraint system. Installed Atlee Dodge (P/N 3147) passenger seats with associated seat belts, and new floor seat rails. Removed propeller unfeathering valve, incorporated an auxiliary wing float fuel tank system, and added an enlarged rudder trim tab. All modifications/alterations accomplished in accordance with FAA Approved data, Supplemental Type Certificate data, or previous Flight Standards Field Approval data.

Limitations and Conditions:

1. The modifications are for Gulfstream American G-44, Serial Number 1373, N701J only.
2. The installer must determine whether this design change is compatible with previously approved modifications.
3. FAA Approved Airplane Flight Manual Supplement (AFMS) signed and dated July 26, 2010, is required.
4. Any substitutions of parts or materials must be FAA approved.

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: May 13, 2009

Date reissued:

Date of issuance: July 28, 2010

Date amended:



By direction of the Administrator

(Signature)

Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)