



Supplemental Type Certificate

Number: SVA 538

This certificate issued to: General Aviation Maintenance Pty Ltd
Hangar 1 Wirraway Road
ESSENDON AIRPORT VIC 3041

certifies that the change in the type design for the following product, with the limitations and conditions specified herein, meets the airworthiness requirements of regulation 21.101 of CASR 1998.

Original Product:

| | |
|---------------------------------------------|-----------------|
| Type or Type Acceptance Certificate Number: | A125 |
| Referenced TC Number (if applicable): | FAA 6A1 |
| Make: | Twin Commander |
| Model: | 500-U and 500-S |

Description of Type Design Change: Installation of Lycoming IO-540-M1A5 engines in accordance with Aeronautical Engineers Australia Installation Manual IM15634.001-01 dated 19 July 2011, or later CASA approved revision.

Conditions:

Prior to incorporating this design change, the installer shall establish that the interrelationship between this change and any other modifications incorporated into the aircraft will not adversely affect the airworthiness of the modified aircraft.

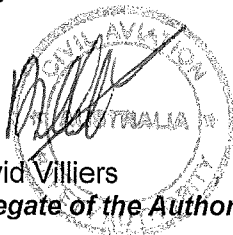
If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This 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.

Limitations Refer to STC Continuation Sheet for limitations and type design data.

Date of application: 11 February 2010
Date of issuance: 04 August 2011

This certificate is issued pursuant to Regulation 21.113A of the Civil Aviation Safety Regulations.



David Villiers
Delegate of the Authority

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

Supplemental Type Certificate (Continuation Sheet)

STC SVA 538

Limitations

The following limitations are supplementary to the conditions and limitations given in the original product reference certificate. The original conditions and limitations continue to apply unless superseded by the limitations below.

| | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engines | 2 Lycoming IO-540-M1A5. |
| Engine Limits | Maximum continuous, 2600 r.p.m. (290 hp) Takeoff, 2700 r.p.m. (300 hp) |
| Propeller and Propeller limits | 2 Hartzell three-bladed propellers HC-C3YR-2UF Hubs with FC8468-6R blades Pitch setting at 30 in. Station: Low $13.5^{\circ} \pm 0.25$, feathered $82.3^{\circ} \pm 0.5^{\circ}$ Diameter 78 inch. |
| Certification Basis | CAR 3 effective May 15, 1956 including Amendments 3-3 and 3-4 effective October 6, 1958 (Normal category) |

Type Design data

1. MDL15634.001/1 Master Drawing List, Issue 3, dated 3 August 2011, or later CASA approved issue.
2. IM15634.001-01 Installation Manual, Issue 3, dated 19 July 2011, or later CASA approved issue.
3. FMS15634.001-01 Flight Manual Supplement, Issue 2, dated 19 July 2011, or later CASA approved issue.
4. MMS15634.001-01 Maintenance Manual Supplement, Issue 2, dated 19 July 2011, or later CASA approved issue.

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