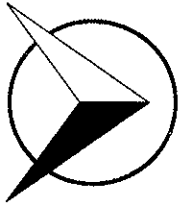


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## Supplemental Type Certificate

Number: SVA501

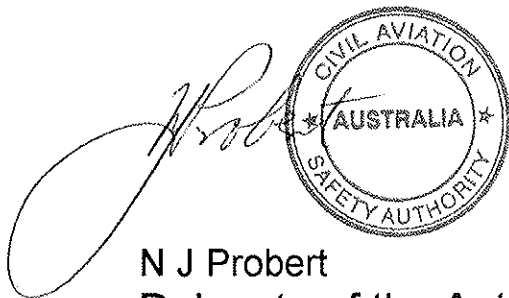
This certificate issued to Aeronautical Engineers Australia certifies that, pursuant to Regulation 21.113A of the Civil Aviation Regulations 1998, approval is granted for the design of the following modification:

Installation of Lycoming O-320-D3G engine on  
Piper PA28-151 aircraft, serial number 28-7415532.

This certificate is valid until suspended or cancelled by the Civil Aviation Safety Authority. The basis of certification is prescribed in Supplemental Type Certificate Data Sheet Number SVA501 issued by this Authority.

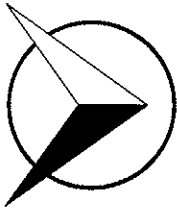
Date of application: 05 January 1999

Date of issuance: 05 February 1999



N J Probert  
Delegate of the Authority

# COMMONWEALTH OF AUSTRALIA



CIVIL AVIATION  
SAFETY AUTHORITY  
AUSTRALIA

No. SVA501

Revision: 0

Date: 5 February 1999

## SUPPLEMENTAL TYPE CERTIFICATE DATA SHEET

This data sheet, which is part of the Supplemental Type Certificate No. SVA501, lists the conditions and limitations under which the aircraft for which the Supplemental Type Certificate was issued meets the airworthiness requirements of the Civil Aviation Safety Authority.

### 1. Applicability:

1.1 This data sheet is applicable to Piper PA28-151 aircraft, S/N 28-7415532, which has been modified in accordance with Aeronautical Engineers Australia Engineering Order EO5260/1. This modification is the installation of a 160 HP powerplant.

1.2 This data sheet is part of Supplemental Type Certificate Number SVA501 and should be read in conjunction with the FAA Type Certificate Data Sheet Number 2A13.

2. **Certificate Holder:** Aeronautical Engineers Australia  
P O Box 238  
Willetton WA 6955  
Australia

### 3. Aircraft Designation:

Aircraft modified in accordance with Supplemental Type Certificate Number SVA501 shall remain known by model designation PA-28-151, but aircraft documentation shall be amended to indicate that Supplemental Type Certificate Number SVA501 has been incorporated.

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### **4. Specification and Limitations:**

4.1 Engine: Lycoming O-320-D3G with carburetor setting 10-5315, 10-5009 or 10-5217.

4.2 Fuel: 100 Octane minimum grade aviation gasoline.

4.3 Engine Limits: For all operations, 2700 RPM (160 HP)

4.4 Propeller and propeller limits: Sensenich 74DM6-O-58

Static RPM at maximum permissible throttle setting not over 2465 RPM, not under 2365 RPM, at sea level, ISA conditions.

(Refer to aircraft Maintenance Manual for test procedure to determine approved static RPM under non standard conditions.)

No additional tolerance permitted.

Diameter: Not over 74 inches, not under 72 inches.

### **5. Serial Number Eligible For Modification:**

The serial number of the aircraft eligible for modification in accordance with this Supplemental Type Certificate Number SVA501 is 28-7415532.

### **6. Certification Basis:**

Civil Aviation Orders, Section 101.22 effective March 1974 and certification basis shown in FAA type certificate data sheet 2A13.

### **7. Documents:**

The following documents are required to specify the modification and operation of the Piper PA 28-151 aircraft:

(a) Aeronautical Engineers Australia Engineering Order EO5260/1.

(b) Aeronautical Engineers Australia Flight Manual Supplement that has been approved and issued by the Civil Aviation Safety Authority.

-END-