

# Service Bulletin

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**Subject:**

Conversion of Aircraft to Instrument Flight Rules (IFR).

**Applicability:**

GA8 All serial numbers.

**Amendments:**

Issue 2 – Service Bulletin modified to include aircraft covered by FAA Type Certificate A00011A

Issue 3 – Service Bulletin modified to include GA8 TC-320 turbo charged variants.

**Background:**

During the original certification of the GA8, Kinds of Operation was limited to Day and Night VFR. The certification has now been extended to include IFR operation.

To establish compliance with the GA8's IFR design standard, certain equipment, which may be in excess of the local operating rules, is required. It is also possible that local operating rules will require additional equipment beyond that required by this Service Bulletin and the approved Flight Manual.

**Compliance:**

The following minimum standard of equipment must be installed before an aircraft may be certified as being capable of performing IFR operations. It should be noted these requirements are those to maintain compliance with the design standard.

**Minimum Equipment Standard:**

1. An electrically powered attitude indicator installed immediately adjacent to and on the right hand side of the vertical speed indicator and powered from electrical bus 1. This attitude indicator must be installed in accordance with Gippsland Aeronautics drawing GA8-311005, or a scheme approved by the National Airworthiness Authority of the country of registration.
2. An alternate static source and second altimeter installed in accordance with Gippsland Aeronautics drawing GA8-311006, or a scheme approved by the National Airworthiness Authority of the country of registration. Note that an approved IFR altitude readout, which is mechanically independent of the primary altimeter, may be used.
3. A heated pitot installed in accordance with Gippsland Aeronautics drawing GA8-341001.

Aircraft with serial numbers GA8-03-026 and up, and aircraft with serial numbers GA8-00-04 to GA8-03-025 which have had service bulletin SB-GA8-2003-04 incorporated, must be wired and have a pitot heat warning system installed in accordance with Gippsland Aeronautics drawing GA8-303001.

Aircraft with serial numbers GA8-00-004 to GA8-03-025 which have not had service bulletin SB-GA8-2003-04 incorporated must be wired in accordance with Gippsland Aeronautics drawing GA8-240001, current at the time of manufacture.

4. IFR approved navigational devices are to be installed in accordance with local operational requirements.
5. An alternator excitation system must be installed in accordance with Gippsland Aeronautics drawing GA8-243004 for aircraft up to serial number GA8-03-025, which have not had service bulletin SB-GA8-2003-04 incorporated.
6. Ensure the correct Flight Manual is installed in the aircraft.

For normally aspirated aircraft with serial number GA8-00-004 to GA8-03-025, which have not had service bulletin SB-GA8-2003-04 incorporated, the document is C01-01-01, dated 15 September 2003 or later CASA approved revision.

For normally aspirated aircraft with serial numbers GA8-03-026 and up, and aircraft with serial numbers GA8-00-04 to GA8-03-025, which have had service bulletin SB-GA8-2003-04 incorporated, the document is C01-01-03, dated 15 September 2003 or later CASA approved revision.

For normally aspirated aircraft regardless of serial number, which are certified to FAA type certificate A00011LA with the incorporation of SB-GA8-2003-05, the document is C01-01-04, dated 22 Dec 2003 or later CASA approved revision.

For turbocharged GA8-TC 320 aircraft regardless of serial number, the document is C01-01-08, dated 9 February 2009 or later CASA approved revision.

**NOTE:**

*It may be possible to operate the aircraft with some of this equipment unserviceable for limited periods of time, as per the Minimum Equipment List approved by the local Airworthiness Authority, for the specific aircraft.*

**Weight and Balance:**

The effect on weight and balance of the additional equipment must be considered.

**Approval:**

This Service Bulletin has been approved pursuant to Regulation 21.095 of CASR 1998.

## DOCUMENT COMPLIANCE NOTICE



Document: Service Bulletin SB-GA8-2003-08  
Issue 3

Aircraft Serial Number: GA8-\_\_\_\_\_

Service Bulletin SB-GA8-2003-08 Issue 3 has been incorporated in the above aircraft.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signed

Print Name: \_\_\_\_\_

Please post or fax this compliance notice to:

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