

	Standard Modification Issue 1	Mod No. SM10227
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		Compiled : N. Battye
		Approved : A. Moore

TITLE : Visual Stall Warner

APPLICABILITY : Druine D31 / D31A Turbulent
Mod Type : New Build & Retro-fit

1. Introduction

The purpose of this modification is to introduce two warning banks of LED's (powered from existing 12v battery), one either side of the cockpit, controlled by an ACI Stall Vane fitted to the port wing.

2. Parts List

2.1 Manufacture and procure the following new parts:

Qty	Description	Source
AR	¼" ID Nylon tubing	Ref. Info note 21
1	ACI Stall Vane, Electrical	Mr A Cozens
1	ACI Stall Warning System	Stowe House, Hants, PO9 6DN

2.2 List of related drawings / photos

No.	Title / Description	Issue
10227-1	ACI Electrical Stall Vane	1
10227-2	Bank of LED's mounted either side of Instrument Panel/Combing	1

3. Action

- 3.1 Install ACI Vane as per manufacturer instructions on port wing at 62" from root.
- 3.2 Route ¼" ID Nylon tubing in leading edge and install cabling to Stall Vane.
- 3.3 Install terminal box as per manufacturer instructions.
- 3.4 Secure system fuse to instrument panel lower tray.
- 3.5 Inspector to inspect and verify conformity & workmanship.

4. Flight Test and Special Inspections

- 4.1 Function check of Stall Warner to be carried out.
- 4.2 Stall warner to be adjusted by air test to provide an indication at 5-10kts above the stall speed. This air test to be authorised under a PMR by LAA Inspector.

5. Weight and Balance

- 5.1 To be included in initial Weight & Balance schedule.
- 5.2 For retro-fits change considered negligible.

6. Certification

- 6.1 Appropriate logbook entry to be made by approved LAA inspector prior to air test.
- 6.2 Appropriate completion statement to be included in aircraft logbook once aircraft has satisfied the air test requirement.

7. Continued Airworthiness

- 7.1 Include a function check of the system in the pre-flight checklist.
- 7.2 Ensure battery is periodically recharged to provide adequate power throughout intended flight.

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10227-1 ACI Electrical Stall Vane on Port Wing



10227-2 Bank of LED's mounted either side of Instrument Panel/Combing

