

	Standard Modification Issue 1	Mod No. SM11201
		Page : 1 of 4
		Compiled : N. Batty
		Approved : A. Moore

TITLE : Engine Cowl Front Fixing

APPLICABILITY : Vans RV9 / RV9A
Mod Type : New Build & Retro-fit

1. Introduction

The purpose of this modification is twofold.

- To improve the look of the front cowl join.
- To increase the strength of the join at the front.

This is achieved by fashioning a small loop on the end of the sliding hinge pin, to allow it to be retrieved with small hook. Manufacturing a wrap-around part from 0.032" stainless steel and adding 3 of K1000-8 nutplates to the cowling. The wrap-around covers the slot, stopping the pin from moving forward and provides added top to bottom linkage for the cowlings.

2. Parts List

2.1 Manufacture and procure the following new parts:

Qty	Part No.	Description	Source
2	SM11201-1	Wrap-around	Fabricated from AS3-032
6	K1000-8	Nutplates	Standard Vans Hardware
6	AN507C632R8	6-32 C/S Screws	Standard Vans Hardware
12	AN426AD3-5	Rivets	Standard Vans Hardware

2.2 List of related drawings / photos

Drawing No.	Title / Description	Issue
SM11201-01	Outline Drawing of Wrap-around	1
SM11201-02	Photograph of Wrap-around	1
SM11201-03	Photograph of Wrap-around	1

3. Action

3.1 Firstly determine the location of three K1000-8 nutplates (2 Outside-1 Inside intake).

These positions need to maintain edge clearance and clear the cowling joint hinge parts.

3.2 Manufacture stainless steel Wrap-around.

3.3 Modify Cowl sliding hinge pins to include a small loop at the end.

	Standard Modification Issue 1	Mod No. SM11201
		Page : 2 of 4
		Compiled : N. Batty
		Approved : A. Moore

3.4 Match drill to cowlings. Cont...

3.5 Remove cowlings.

3.6 Rivet and epoxy bond (Keeping threads clean) nutplates in position, this is due to the close proximity of the material edge.

3.7 Refit cowlings – Insert modified hinge pins.

3.8 Check slot is wide enough to retrieve pins.

3.9 Screw Wrap-around in place

3.10 Inspector to inspect and verify conformity & workmanship.

4. Flight Test and Special Inspections

4.1 No flight test or report required.

5. Weight and Balance

5.1 To be included in initial weight schedule.

5.2 For retro-fits, change considered negligible.

6. Certification

6.1 Appropriate logbook entry to be made by approved LAA inspector.

	Standard Modification Issue 1	Mod No. SM11201
		Page : 4 of 4
		Compiled : N. Batty
		Approved : A. Moore

SM11201-02 Photograph of Wrap-around



SM11201-03 Photograph of Wrap-around

