

Post-Paint>Wings>Fit stall warning

Objectives of this task:

To fit the stall warning device to the left wing.

Materials required:

Card #6: 'Stall warning'

5-minute Araldite and flock

Mark and drill the wing root

Mark a position in the left-hand wing root 75mm back from the leading edge and drill a 10mm hole at that location. The clear plastic tube will enter the wing here.

Assemble the stall warning

Use 5-Minute Araldite and flock to fix the aluminium stall warning funnel to the plate, about 4mm back from the front edge, and then cut the stainless steel gauze to size and flock it by the edges to the front of the funnel as shown at right.

Leave to cure, then round the front edges of the plate carefully. Roughen the sides and bottom of the assembly.

Mark and cut the leading edge

Measure out 1195mm from the wing root of the left-hand wing and mark the location. Use cloth tape to protect the paint on the leading edge of the wing during this step.

Using the drawing on the next page, locate the vertical centre of the stall warning aperture and mark the location. Recheck your measurements carefully and drill a pilot hole, then widen the hole to 10mm and file carefully out to a rectangle 12mm high and 19mm wide. The top of the opening should be *precisely* on the leading edge of the wing. Final size the hole to fit the stall warning assembly.

Hold the lip at the bottom of the assembly with pliers while fitting – be careful not to drop it inside the wing.

Fit the stall warning assembly

Use a steel rod to feed the plastic tube in from the wing root and through the wing ribs until it can be seen through the hole in the leading edge, then pull the tube through using a wire hook and superglue and lock wire the tube to the rear of the stall warning funnel.

Apply 5-Minute Araldite and flock to the bottom and sides of the stall warning assembly and carefully slide it back into the wing until the gauze is flush with the leading edge of the wing and leave to cure. Remove the protective cloth tape.



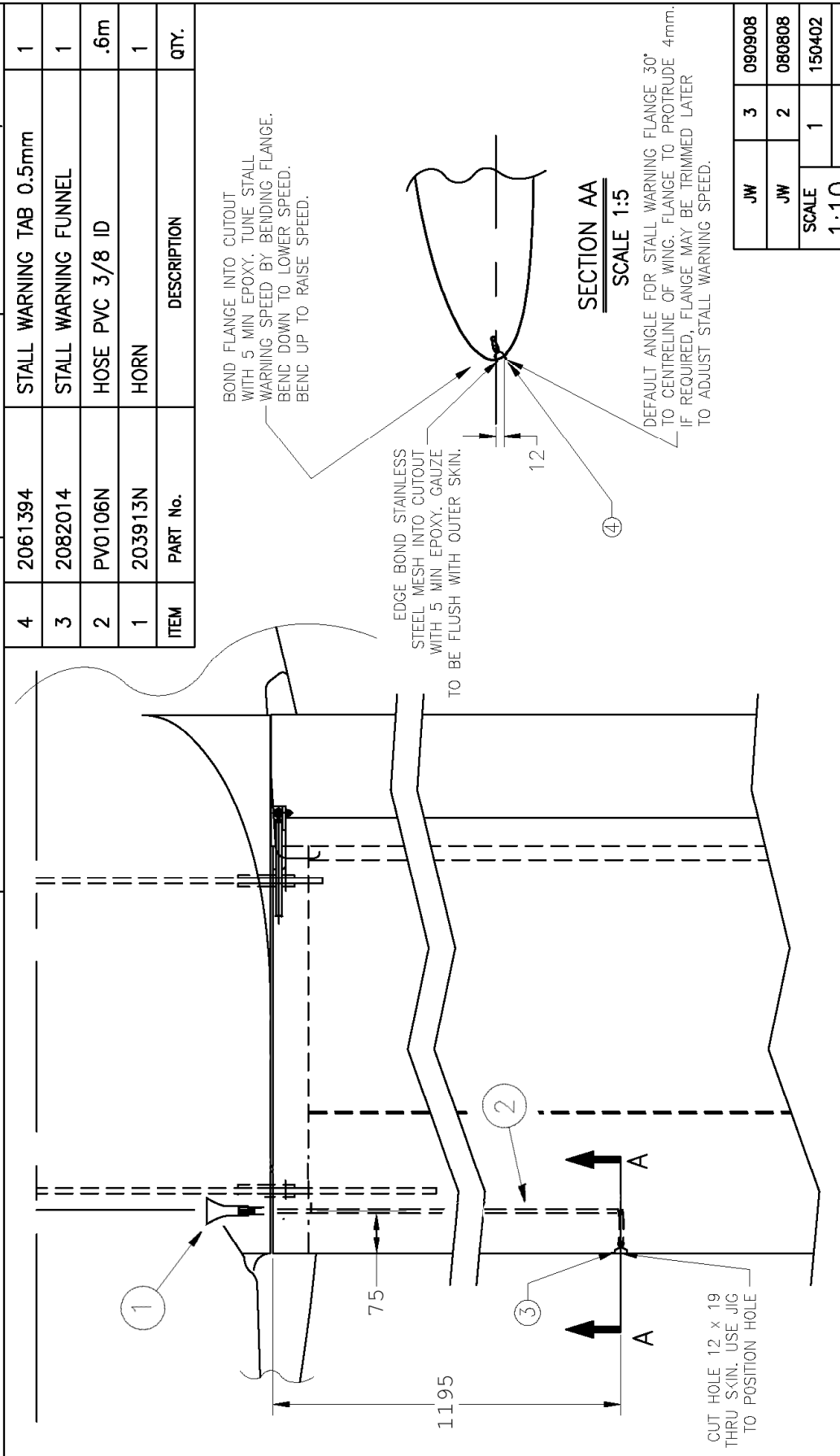
THIS DRAWING IS COPYRIGHT AND MUST NOT BE COPIED
WITHOUT CONSENT OF AVTECH PTY LTD

DIMENSIONS IN MILLIMETRES

DO NOT SCALE

PROJECTION

4	2061394	STALL WARNING TAB 0.5mm	1
3	2082014	STALL WARNING FUNNEL	1
2	PV0106N	HOSE PVC 3/8 ID	.6m
1	203913N	HORN	1
ITEM	PART No.	DESCRIPTION	QTY.



SECTION AA
SCALE 1:5

JW	3	090908
JW	2	080808
SCALE	1	150402
1:10	ISS.	DATE

DWG. NO.
2091024-3

SHEET 1 OF 1 A4

LIMITS	DRAWN	DS
MATERIAL AS DETAILED	APPR.	

TITLE

AVTECH P/L
A.C.N. 010 786 973
HINKLER AIRPORT
BUNDBERG

STALL WARNING ASSY -- SERIES IV WING

This completes the *Post-Paint>Wings>Fit stall warning* task.