

SERVICE BULLETIN

AA-SB-28-001

Installation of Compartment Barrier

1. Planning Information

1.1 EFFECTIVITY

All HR200 and R2000 series s/n 001 to 378.

1.2 CONCURRENT REQUIREMENTS

Nil.

1.3 REASON

Recent NZCAA certification inspection of Alpha 160A aircraft highlighted a deficiency in compliance with FAR 23.967(d). There have been instances indicating that pre-Alpha production aircraft may also not have a metal barrier between the cabin and fuel tank bay.

1.4 DESCRIPTION

Inspect aircraft to determine if a metal barrier is installed in the seat back aperture. The barrier should enclose the entire seat back aperture.

If the barrier is installed then no further action required.

If the barrier has not been installed then manufacture barrier in accordance with the attached drawing. Install in accordance with accomplishment instructions.

1.5 COMPLIANCE

On receipt of this SB inspect aircraft for compliance within 1 month.

For aircraft with no barrier, install barrier at next 100 hour inspection or within 12 months of receipt of this bulletin.

1.6 APPROVAL

Alpha Aviation Design Organisation DO65180

1.7 WEIGHT AND BALANCE

Weight of barrier and attaching parts:- 1kg
Arm of barrier:- 0.6m aft of datum.

1.8 REFERENCES

Alpha Aviation Drawing 60-53-119, Alpha Aviation HR200 / R200 service manual as applicable.

1.9 OTHER PUBLICATIONS AFFECTED

Nil

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2. Material Information

2.1 MATERIALS IDENTIFICATION

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
M4 x 10	Screw	18
0.020" 2024-T3 Clad	Seat Sealing Panel	As required
M4 floating anchor	Anchor Nut-single leg	2
M4 floating anchor	Anchor Nut-double leg	16
Neoprene 19 x 3 mm	Seal	3 m

2.2 CONSUMABLES

Neoprene adhesive- as required.

2.3 OTHER PUBLICATIONS AFFECTED

Nil

2.4 SPECIAL TOOLING

Nil

3. Accomplishment Instructions

Remove seats and upholstery from seat area.

Manufacture seat sealing panel to the attached drawing (60-53-119), before drilling attachment holes ensure the locations will not conflict with existing hardware/fasteners. Offer up panel to seat bulkhead and trim to fit as necessary. Mark anchor nut locations. Drill and install anchor nuts in seat bulkhead and seat pan aft edge.

Deburr panel and prime with suitable primer. Apply seal to aft face of panel outboard of fastener holes. Install panel with the 18 M4 screws. Reinstall upholstery and seats.

Record installation of the compartment barrier in the aircraft log book.

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