

ALERT SERVICE BULLETIN

AA-SB-71-001

Inspection of Powerplant Air Intake Filter Mesh

1. Planning Information

1.1 EFFECTIVITY

Alpha 160A with S/N 160A-06001 to 160A-07014 & 160A-0015 & Alpha 160Ai with S/N 160Ai-06007.

1.2 CONCURRENT REQUIREMENTS

Nil.

1.3 REASON

A case has been reported where the wire mesh supporting the foam air intake filter element has broken loose from its supports at the weld. If not rectified, this has the potential for parts of the foam filter element to break free and cause a blockage of the engine air intake.

1.4 DESCRIPTION

Carry out an inspection on the condition of the air intake filter supporting mesh before further flight, and instruct all pilots to carry out a pre-flight inspection on the intake filter mesh before the first flight of each day.

1.5 COMPLIANCE

1.5.1. On receipt of this SB, before further flight: Carry out accomplishment instructions in §3.

1.5.2. Daily: Carry out pre-flight inspection I.A.W. Appendix A before first flight of day.

1.5.3. Make a logbook entry stating compliance with this Service Bulletin.

1.6 APPROVAL

Alpha Aviation Design Organisation DO65180.

1.7 WEIGHT AND BALANCE

N/A

1.8 REFERENCES

Nil.

1.9 OTHER PUBLICATIONS AFFECTED

Nil.

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2. Material Information

2.1 MATERIALS IDENTIFICATION

Nil.

2.2 CONSUMABLES

Nil.

2.3 OTHER PUBLICATIONS AFFECTED

Tech Log: Make entry as per section 3 – Accomplishment Instructions.

2.4 SPECIAL TOOLING

Nil.

3. Accomplishment Instructions

3.1 Powerplant Air Intake:

Remove the foam air intake filter element and inspect the wire mesh for security and condition.

3.2 Make the following inscription on the Tech Log:

“Daily inspection of air intake filter to be carried out by pilot before first flight of the day. Refer to temporary instruction AA-SB-71-001 Appendix A.”

3.3 AA-SB-71-001 Appendix A:

Attach to the Tech Log, and insert in the Flight Manual just after the Tech Log.

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AA-SB-71-001 Appendix A

Inspection of Powerplant Air Intake Filter Mesh

Carry out the following Pre-Flight Inspection before the first flight of each day:

Reach down the powerplant air intake on the lower cowl.

Push lightly on the foam air intake filter with a finger (Figure 1) and determine if the underlying supporting mesh is firmly attached on all edges. If any movement is detected in the underlying mesh, do not start the engine. First remove the foam air filter element and carry out further investigation. If the mesh has broken loose at any point along its edge, take the aircraft to a maintenance facility for repair or replacement.

Warning

Do not re-install the foam filter element if the aircraft engine is to be started for taxiing or relocation while any part of the mesh is detached. (Figure 2. shows an example of unacceptable broken mesh).

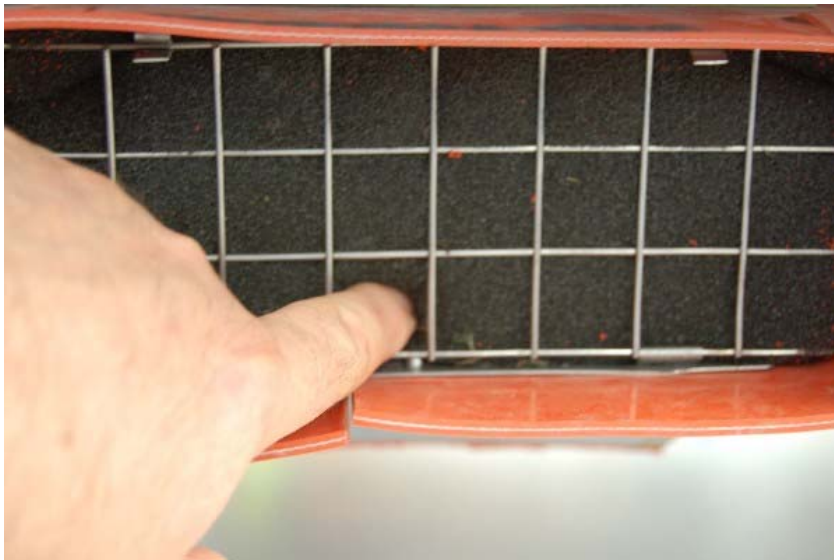


Figure 1.



Figure 2.