

Seal Dynamics

13780 McCormick Drive
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Instructions for Continued Airworthiness

Temperature Sensor Filter for Filtration of Recirculation Air in Passenger Cabin of Airbus A319, A320 and A321 Series Aircraft

SD Report Number SD3072009IFCA

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Log of Revisions

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1.0 Purpose

The purpose of this report is to address FAR Part 25, Appendix H, Instructions for Continued Airworthiness, as each requirement pertains to the installation of Seal Dynamics Temperature Sensor Filter for the filtration of recirculation air in passenger cabins of Airbus A319, A320 and A321 Series Aircraft and showing compliance with FAR 25.1529.

2.0 General Description

Seal Dynamics part numbers SD91001-1 and SD91001-2 are air filter kits which replace an existing air recirculation inlet panel located in the passenger cabin of Airbus A319, A320 and A321 Series Aircraft. These kits provide a means to filter incoming air with a replaceable filter element.

3.0 Distribution

This document is an integral part of the STC and PMA data package for the installation of the Temperature Sensor Filter for the filtration of recirculation air in passenger cabins of Airbus A319, A320 and A321 Series Aircraft. Seal Dynamics will furnish at least one complete set of this document to the aircraft operator at the time of the PMA issuance. Seal Dynamics will authorize the aircraft operator to make this document available to any person required to comply with any of the term contained in this document.

Seal Dynamics will be responsible to inform the aircraft operator of any revisions incorporated in this document and advise the operator how to obtain the latest revisions as they become available.

4.0 Introduction

This modification is for Airbus A319, A320 and A321 Series Aircraft. Seal Dynamics kits, part numbers SD91001-1 and SD91001-2 and their installation instructions are form, fit and function interchangeable with Airbus's passenger cabin air recirculation panels, reference part number D2527362100400.

5.0 Kit Description

Seal Dynamics part number SD91001-1 and SD91001-2 are air filter kits which replace an existing air inlet panel located at the front and rear of the passenger cabin area in Airbus A319, A320 and A321 Series Aircraft.

These kits provide a way to improve an initial installation of a temperature sensor air inlet panel in the passenger cabin area. The existing panel installation currently provides no filtration of recirculation air passing through the cabin. As a result, the temperature sensor that monitors cabin temperature is fouling due to dust and debris making its way through the panel and ducting onto the sensor element. The new filter panel kits use the same panel mounting interface and incorporate a disposable air filter. Seal Dynamics kits part number SD91001-1 and SD91001-2 are identical except that SD91001-2 contains a bonded carrier / filter element.

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6.0 Servicing

No specific time interval for servicing is required, however air filter elements contained in the filter kits may be replaced at the discretion of maintenance personnel based on visual examination.

7.0 Maintenance Instructions

Replacement of the air filter is accomplished by vertically sliding the clogged filter carrier/element until free and then inserting a new filter carrier/element in the reverse direction until fully engaged into the air inlet panel, see Figure 1.

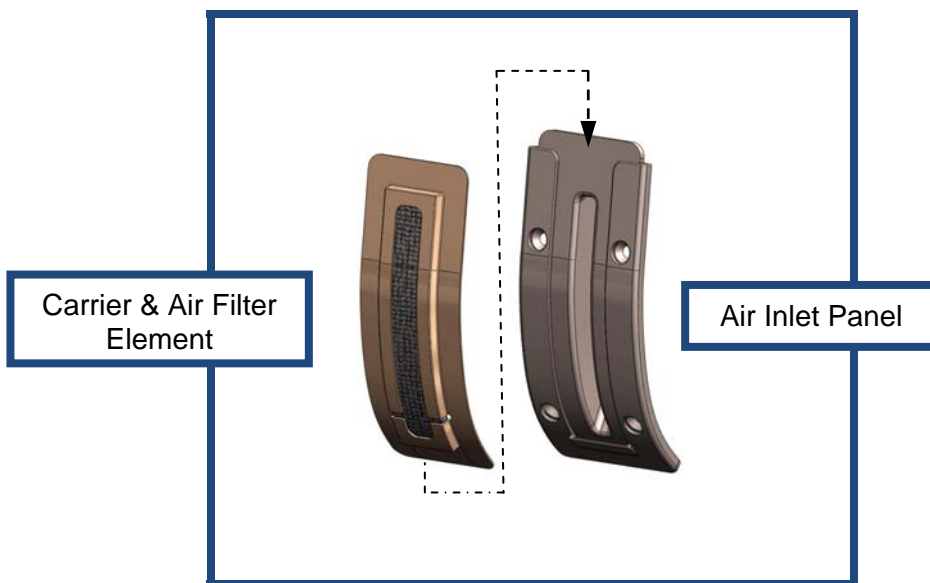


Figure 1
Air Inlet Panel

8.0 Installation Information

Refer to Seal Dynamics Report Number SD3072009INSTL for installation instructions for the temperature sensor filter kits.

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9.0 Special Tools

No special tools are required.

10.0 Airworthiness Limitations Section

This modification does not impose any airworthiness limitations on the aircraft. No Change is required to existing manuals.

11.0 Periodic Scheduled Servicing Tasks

None required.

12.0 Special Inspection Requirements

None Required.

13.0 Periodic Scheduled Preventative Maintenance

None required.