

# C46031-4/-5/-6 Cabin recirculation air filter



**Increased airflow and extended lifespan** – This solution provides a means to filter cabin recirculation air before it reaches the condenser mixer. Currently, air is drawn from the cabin where it is mixed with fresh air and passed through the heat exchanger before being distributed back to the cabin. Because the cabin air is laden with dust, this causes blockage of the condenser mixer, leading to reduced or no recirculation airflow and reduced life of ECS parts.

To remedy this situation, a filter is inserted into the recirculation duct, upstream of the recirculation blower fan. The filter is mounted inside an aluminum sheet metal box that is attached to the floor beneath the aft right hand seat. The filter element, which is designed to trap dust before it reaches the heat exchanger, can be removed periodically from the box for cleaning or replacement.

## SPECIFICATIONS

Applicability	Manpower	Kit contents	Weight	Certification	Delivery
DHC-8 Series 100 & 300 Post-1990, Hunting and C&D interiors and 200 series all interiors*	Approximately 6 man-hours, including access and close-out if RH aft cabin floor panel is pre-modified	<ul style="list-style-type: none"> <li>&gt; Filter Box assembly with filter</li> <li>&gt; Installation brackets and hardware</li> <li>&gt; Maintenance Manual supplement</li> <li>&gt; Illustrated Parts Catalogue supplement</li> <li>&gt; Ducting</li> </ul>	<ul style="list-style-type: none"> <li>&gt; 6.5 lbs. – 4 kit</li> <li>&gt; 7.5 lbs. – 5 kit</li> <li>&gt; 8.0 lbs. – 6 kit</li> </ul> (20 lbs. of ducting removed prior to installation)	<ul style="list-style-type: none"> <li>&gt; Transport Canada: SA01-65</li> <li>&gt; EASA: EASA.IM.A.S.02429</li> <li>&gt; FAA: ST01375NY</li> <li>&gt; Japan: STC-47-HQT</li> <li>&gt; Angola: Letter of Acceptance</li> </ul>	F.O.B. Winnipeg, Canada

## FEATURES & BENEFITS

- > Reduces potential blockage of the condenser mixer
- > Promotes peak performance of the ECS system
- > Reduces maintenance costs associated with ECS system cleaning

## KIT OPTIONS

- > C46031-4: Installation Kit Dash-8 (-100/-200) Post 1990
- > C46031-5: Installation Kit Dash-8 (-300; 50 PAX) Post 1990
- > C46031-6: Installation Kit Dash-8 (-300; 52/56 PAX) Post 1990

*\*Applicable to 300 series with 50 seat cabin and LH aft seats at between station 550.5 & 572.0 or between station 572.0 and 600.0.*

*Applicable to 300 series with 52 or 56 seat cabin and LH aft seats at between station 572.0 and 600.0.*

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