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PALL Aerospace Filter Element / Last Chance Filter

1. Purpose and Scope

- 1.1 This document provides guidance on disposal and recycling of the Pall Filter Element or Last Chance Filters on completion of the serviceable life.

2. Tools Required

Tools included in a standard aircraft maintenance tool kit plus those listed within the relevant AMM will be necessary to accomplish this task.

3. Disassembly Method

- 3.1 Isolate and remove the Filter Element / Last Chance Filter from the housing and aircraft in accordance with relevant AMM instructions.

This will include isolation of unit from fluid supply, electrical connections and mounting arrangements

- Observe all safety instructions and warnings.
- Comply with all safe handling and accident prevention measures.
- Ensure that no unauthorised person performs the disassembly and / or disposition operations.
- Wear appropriate personal protective equipment.

- 3.3 Dispose of components in accordance with the materials of construction and hazard classification of the contaminants present.

NOTE: The Filter Element or Last Chance Filter is an epoxy resin bonded or welded construction that cannot be disassembled.

4. Materials of Construction and Disposition Guidance: Filter Element or Last Chance Filter

The Filter Elements shown in Figure 1 and Last Chance Filters shown in Figure 2 are examples only.

The Filter Element or Last Chance Filter may look different to the examples shown, it may have a different shape.

The equipment in your system will be a variant of the generic example shown.

Table A provides a generic list of materials and disposition guidance for the Filter Element / Last Chance Filter.



Disposable Filter Element



Cleanable Filter Element

Figure 1



Sample of Last Chance Filters

Figure 2

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Filter Element / Last Chance Filter		
Components	Material Type or Information (options that may be included)	Disposition Information
Disposable Filter Element	Anodised Aluminium Alloy, Stainless Steel, Glass Fibre Filter Media (Proprietary Data), Epoxy Resin, PPS Mesh	Disposition should reflect the materials of construction and any contaminants present as the result of use. Dispose of in line with local and national legislation and guidelines.
Cleanable Filter Element	Stainless steel, Stainless Steel mesh, Epoxy resin, Anodised aluminium alloy, Nylon 66, Polyamide.	
Last Chance Filter	Stainless steel, Anodised Aluminium Alloy, Epoxy Resin	
Back-up Ring(s) (disposable item)	PTFE	Dispose of in line with local and national legislation and guidelines for sealing materials.
Seal, O-ring (s) (disposable item)	Elastomer (options of: Fluorocarbon, Ethylene Propylene, Nitrile – dependent upon application)	
Note: Obtain copies of Material Safety Data Sheets to allow decision on disposal instructions as appropriate for review in accordance with local Environmental, Health and Safety procedures.		

Materials of Construction and Disposition guidance for
typical Filter Element / Last Chance Filter

Table A