

Survey Report

Customer PO: 110901

Item No 6.

Description: Filter Element, Air Conditioning No.7 Mk1 (Gas AEP-54)

Nato Stock No: 4240-99-959-2440

Part No: 002645219 (Latest Issue)

Serial No: 5022/00/7/G/R1

(Please note that serial numbers may state suffix PP or P after repair)

Fault

Condition unknown, item returned to Portsmouth Aviation Ltd for survey and repair quotation.

Survey

PA Ltd Report No SRN 6798 refers.

Item returned in customers owned approved transit case crate direct to Portsmouth Aviation Ltd.

Please refer to Portsmouth Aviation Ltd CBRN Filter Survey Report Form No SRN 6798 for survey details.

Replacement parts required:

As listed in Portsmouth Aviation Ltd CBRN Filter Survey Report Form No SRN 6798 for details.

Additional action required:

Quote customer for the repair action, quarantine the unit pending authority to proceed with repair or customers disposal instructions. Carry out customers instructions.

Signed:



Name: Jason Burns

Position: Technical Naval Sales Manager

Date: 10th May 2020

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Portsmouth Aviation Ltd Survey Report Form

Description:		No.7 Mk1 - Gas		Survey Report No.		6798
Raised by:		[REDACTED]		Checked by:		
Customer:		D.S.I.		Shop Order No.		466949
NSN:		4240-99-959-2440		Date of last repair:		05/00
Serial No.		5022/00/77/G/R1		Remarks		
Condition of Outer & Inner Packaging IAW Drawing No.002580561						
Item	Description	Qty	Dereham's Part No.	Serviceable	Repairable	Unserviceable
3	Case (incorporating the removable Lid & Front Panel)	1	DD-D-23053			U
4	Cap	2	DD-C-23015			U
5	Battens Retaining	2	DD-C-23019			U
6	Battens	2	DD-C-23020			U
7	Aluminium Foil Laminare Barrier	1	DS 81-147 Annex A Type 1A			U
8	Desiccant	1	SILICA-GEL-S-500-DS81-68			U
9	Wood Screw, Stainless Steel Grade A4, 5 x 70 mm (for side battens & retaining battens)	10	Screw-CB-Csk-Pozi-5-70-A4			U
10	Banding Polypropylene	A/R	N/A			M
11	Banding Seal	A/R	N/A			M
12	Bubble Wrap (3500 x 1500)	A/R	Bubblewrap-CSIN-15R			M
13	Water Resistant Fabric Tape	A/R	Tape-3M-Crossweave-50			M
14	Water Resistant Transparent Tape	A/R	Tape-3M-Scotch-313-Clear			M
ND	Wood Screw, Stainless Steel Grade A4, 5 x 60 mm (for Lid & Front Panel)	31	Screw-CB-Csk-Pozi-5-60-A4			U

Serviceable Key: S - Serviceable, component can be re-used	Repairable Column Key: A - Worn / Frayed / Scored B - Cracked / Broken C - Distorted / Bent	Unserviceable Key: U - Unserviceable / Scrap M - Missing O - Obsolete	Action Column Key: 1 - Keep - No requirement to order 2 - Order new component 3 - Supplied by PA
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Description		No.7 Mk1 - Gas		Survey Report No. 6798		Portsmouth Aviation Limited Survey Report Form	
Drawing No.		002645219 - ASF		Gas - Serial No. 5022/00/7/G/R1		Action(s) (if applicable)	
Line	Drawing No.	PA Part No.	Description	Qty	Serviceable?	Repairable?	Unserviceable?
1	002516964	100708	Cork Jointing (457.2 x 457.2)	2			U
2	002516965	101046	Rubber Jointing (454 x 454)	2			U
3	002517057	107551	Flat Washer	5	~~S~~		U
4	002517062	102113	Helical Spring	16	S		
5	002517064	107562	Pad	32			U
6	002517079	107559	No.7 Mk1 - Identification Plate (Gas) (record serial number)	1			U
7	002645229	108050	No.7 - Identification Plate (LAM)	1	~~S~~		U
8	AA130-G66	103385	Stiffnut	5			U
9	B02A016RCP370	100071	Screw - Hex - 10-32 UNF X 1/2" (for Diff Pressure readings)	3			U
10	B72-----LE440	102032	Red Fibre Washer - 5mm Dia (RS 526-372) (for above)	3			U
11	B02H040RCM370	104046	Screw - Pan Head - 4-40 UNC	8			U
12	B05A---RCM370	104166	Full Nut Hex 4-40 UNC	8			U
13	B69H008RCL42E	101599	Screw - Self Tapper - No. 2 X 1/4"	10			U
14 or	B69H012RCM42E or	101601 or	Screw - Self Tapper - No. 4 X 3/8" (New Build or R2) or	324 372			U
14	B69H012RCM42E	104520	Screw - Self Tapper - No. 6 X 3/8" (R1 or R3)	324 372			U
15	002626628	100741	Large Cover	1	~~S~~		U
16	ND	100357	Large Perforated Band - 755 long (for above Cover)	1	~~S~~		U
17	002626627	100743	Small Cover	1	~~S~~		U
18	ND	100357	Small Perforated Band - 675 long (for above Cover)	1	~~S~~		U

Serviceable Key:
S - Serviceable, component can be re-used

Repairable Column Key:
A - Worn / Frayed / Scored
B - Cracked / Broken
C - Distorted / Bent
D - Damaged
E - Corroded / Perished
F - Seized

Unserviceable Key:
U - Unserviceable / Scrap
M - Missing
O - Obsolete

Action Column Key:
4 - Pressure Test (Passed / Failed)
5 - Paint - Touch Up (Refurb)
6 - Paint - Full Repaint (Refurb)
7 - Re-Drill Holes (Refurb)
8 - On comp 7 Pressure Test
9 - Order new component

Description		No.7 Mk1 - Gas		Survey Report No. 6798		Portsmouth Aviation Limited Survey Report Form	
Drawing No.		002845219 - ASF		Gas - Serial No. 5022/007/G/R1		Action(s) (if applicable)	
Line	Drawing No.	PA Part No.	Description	Qty	Serviceable?	Repairable?	Unserviceable?
19	ND	101635	540/18+ Screw Lock	2	S		
20	002517063	102114	Tie Rods	12	S		
21	002517065	108966	Handle Assy	2	S		
22	ND	101219	Nut - M6 x 0.75 x 6H ALAI (for use with Tie Rod & handle assy)	28			U
23	ND	102001	Washer - M6 ALAlloy (for use with Tie Rod & handle assy)	28			U
24	ND	122906	G47 - GHS 05 - Corrosive Label (Attached to label)	1			U
25	ND	122905	G43 - GHS 07 - Harmful Label (Attached to label)	1			U
26	ND	122909	G41 - GHS 09 - Env Hazardous Label (Attached to label)	1			U
27	002516977	100717	'A' Cover	1	S		Pressure Test - / Failed
28	002516950	100402	'B' Casting	1	S		Pressure Test - / Failed
29	002516958	100401	'C' Casting	1	S		Pressure Test - / Failed
30	002516960	100403	'D' Casting	1	S		Pressure Test - / Failed
31	002516962	100723	'E' Casting	1	S		Pressure Test - / Failed
32	002517032	108027	Top Baffle Plate	1	S		Re-use if possible
33	002517052	107540 (New & R1) 127248 (R2 / R3)	Metal Grille (322 x 387, with 3 stiffeners & central bolt assy)	1			U
34	002517053	107541 (New & R1) 127249 (R2 & R3)	Metal Grille (352 x 417, with 1 central hole)	3			U
35	002517059	107542 (New & R1) 127251 (R2 & R3)	Metal Grille (322 x 387, with 1 central bolt assy, 2 stiffeners & 2 collars)	4			U
36	002517060	107543 (New & R1) 127250 (R2 & R3)	Metal Grille (352 x 417, with 12 pins)	2			U
37	002517035	108033	Bottom Baffle Plate	1	S		Re-use if possible

Serviceable Key:

S - Serviceable

* Delete as appropriate

Repairable Column Key:

A - Worn / Frayed / Scored
B - Cracked / Broken
C - Distorted / Bent

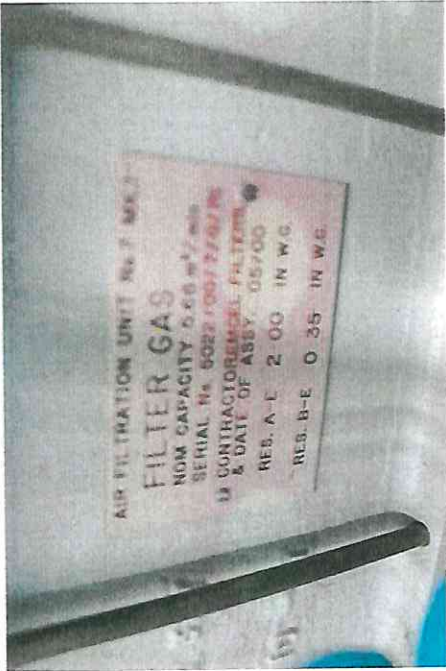
Unserviceable Key:

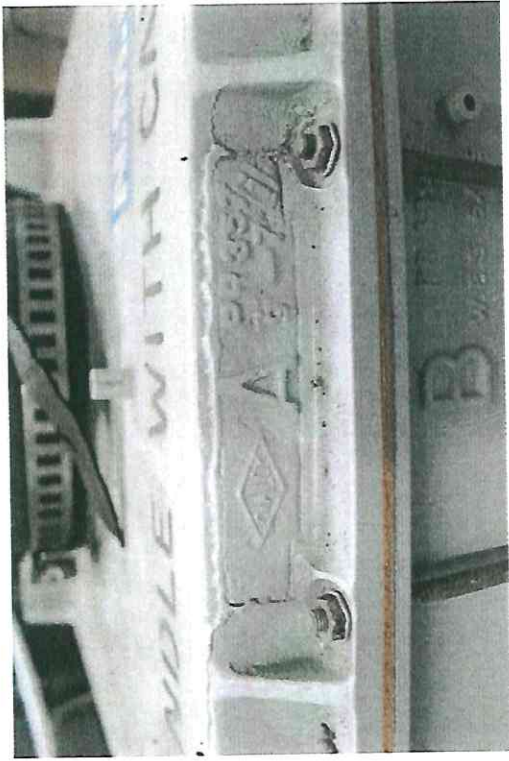
U - Unserviceable / Scrap
M - Missing
O - Obsolete

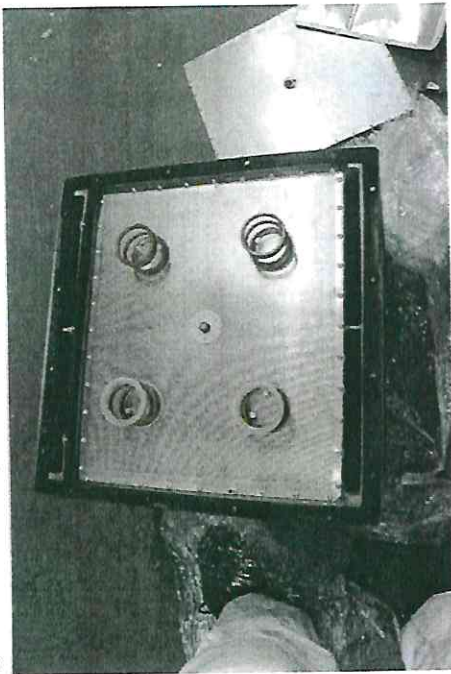
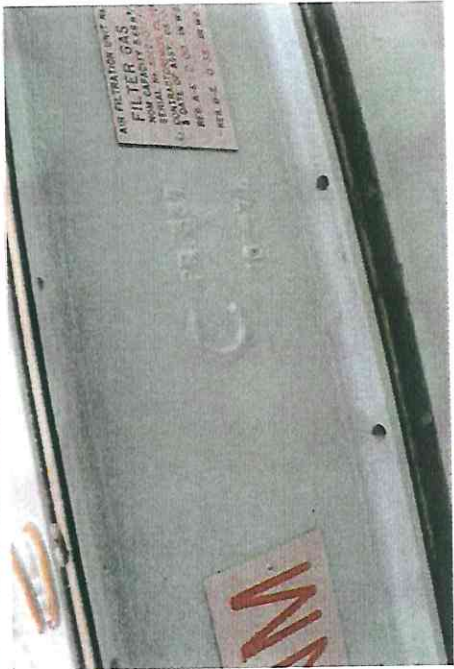
Action Column Key:

1 - Weld
2 - Dress
3 - Shot Blast
4 - Pressure Test (Passed / Failed)
5 - Paint - Touch Up (Refurb)
6 - Paint - Full Repaint (Refurb)
7 - Re-Drill Holes (Refurb)
8 - On comp 7 Pressure Test
9 - Order new component

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos:			
a. Packaging before opened.			
			
b. Close up of Labelling (inc Serial No.) on packaging.			
No photo – no labels on packing case			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos: c. Full assembled Filter after removed from packaging.  d. Close up of Identification Plates on Filter. 			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos:			
e. 'A' casting and vent tube (view from Above).		f. 'B' casting once separated (view from above).	
			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos: g. 'C' three castings once separated (view from above).  			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos: h. 'D' castings once separated (view from above).  i. 'E' casting and vent tube (view from below). 			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Supporting Information / Photos: j. Any defects or imperfections that may be on any of the serviceable parts. No photo			

Description	No.7 Mk1 - Gas	Serial No.	5022/00/7/G/R1
Cost of Strip & Survey:		Cost of Refurbishment:	
Additional Information: Defects photo: Bent handle			
			
Prepared by:		Signature:	
Date:	14 th May 2026	Position:	