

AMENDMENT RECORD SHEET

Incorporation of an Amendment List in this publication is to be recorded by signing in the appropriate column and inserting the date of making the amendments.

A.L.No.	AMENDED BY	DATE	A.L.No.	AMENDED BY	DATE
1-16	Incorporated in this reprint	June 1951	41	H. J. Bal	2/4/57
17	H. J. Bal	17-3-54	42	H. J. Bal	11/3/57
18	H. J. Bal	17-3-54	43	H. J. Bal	11/3/57
19	H. J. Bal	17-3-54	44	H. J. Bal	9/11/57
20	H. J. Bal	17-3-54	45	H. J. Bal	13/1/58
21	H. J. Bal	17-3-54	46	H. J. Bal	3/2/58
22	H. J. Bal	17-3-54	47	H. J. Bal	3/2/58
23	H. J. Bal	17-3-54	48	H. J. Bal	3/2/58
24	H. J. Bal	17-3-54	49	H. J. Bal	5/5/58
25	H. J. Bal	17-3-54	50	H. J. Bal	14/6/58
26	H. J. Bal	17-3-54	51	H. J. Bal	14/6/58
27	H. J. Bal	17-3-54	52	H. J. Bal	6/8/58
28	H. J. Bal	17-3-54	53	H. J. Bal	8/10/58
29			54		
30			55	H. J. Bal	8/10/58
31	H. J. Bal	22/7/56	56	H. J. Bal	9/10/58
32	H. J. Bal	7/1/56	57	H. J. Bal	3/11/58
33	H. J. Bal	14/10/56	58	H. J. Bal	3/11/58
34	H. J. Bal	14/6/56	59		
35	H. J. Bal	25/9/56	60	H. J. Bal	25/2/59
36	H. J. Bal	25/9/56	61	L. G. Watts	6/5/59
37	H. J. Bal	24/1/57	62	L. G. Watts	6/5/59
38	H. J. Bal	14/12/56	63	L. G. Watts	6/5/59
39	H. J. Bal	14/12/56	64	H. J. Bal	6/6/59
40	H. J. Bal	24/1/57	65	L. G. Watts	25/11/59
			66	L. G. Watts	25/11/59

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67	L.G. Watts	25/11/59
68		
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70	J.P. L.	2/9/60
71	J.P. L.	2/9/60
72	J.P. L.	2/9/60
73		
74	J.P. L.	15/12/60
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76	J.P. L.	23/1/61
77	J.P. L.	11/2/61
78	J.P. L.	2/4/61
79	J.P. L.	23/1/61
80	J.P. L.	1/8/61
81	J.P. L.	2/8/61
82	L.G. Watts	5/12/61
83	L.G. Watts	5/12/61
84	L.G. Watts	29/12/61
85	J.P. L.	21/1/62
86	J.P. L.	3/1/62
87	Pensate	28/6/62
88	Pensate	28/6/62
89	J.P. L.	14/8/62
90	J.P. L.	10/8/62
91	J.P. L.	3/12/62
92		
93	J.P. L.	9/1/63
94		
95	J.P. L.	22/4/63
96	J.P. L.	26/7/63

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97	J.P. L.	24/7/63
98	J.P. L.	18/4/63
99	J.P. L.	16/3/64
100	J.P. L.	11/10/64
101	J.P. L.	14/10/64
102	J.P. L.	28/11/64
103	J.P. L.	7/4/65
104	J.P. L.	27/7/65
105	J.P. L.	11/10/65
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★An Amendment Record Continuation Sheet (R.A.F. Form 2096B) will be required when this page is full. Order it now.

# **WARNING**

## **EJECTION SEAT**

1. An ejection seat is a potential danger to personnel and aircraft. If the firing mechanism is inadvertently operated while the aircraft is on the ground the seat will be ejected, serious injury (possibly fatal) may be caused to any person in or leaning into the cabin and damage will be done to the aircraft.

2. The following instruction must therefore be obeyed implicitly :—

**BEFORE ATTEMPTING TO ENTER THE CABIN OF AN AIRCRAFT FITTED WITH AN EJECTION SEAT REPORT TO THE N.C.O. IMMEDIATELY IN CHARGE OF AIRCRAFT SERVICING (R.A.F.), OR TO THE ORDNANCE SUPERVISORY RATING (R.N.), WHO WILL ENSURE THAT THE SEAT IS SAFE FOR THE PURPOSE REQUIRED.**

3. Full instructions for rendering the seat safe are contained in the A.P.4288 series, in A.D.5037, and in the A.D.6038 series.

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### NOTE TO READERS

The subject matter of this publication may be affected by Admiralty Fleet Order, Air Ministry Orders, or by "General Orders and Modifications" leaflets in this A.P., in the associated publications listed below, or even in some others. If possible, Amendment Lists are issued to correct this publication accordingly, but it is not always practicable to do so. When an Order or leaflet contradicts any portion of this publication, the Order or leaflet is to be taken as the overriding authority.

Each leaf bears the date of issue and, when applicable, the number of the Amendment List with which it was issued. New or amended technical information on new leaves which are inserted when this publication is amended will be indicated by a vertical line in the margin. This line merely denotes a change and is not a mark of emphasis. When a Section or Chapter is issued in a completely revised form, the line will not appear.

If more than one copy of this publication is held, each set of covers should be given a copy number and kept together.



### LIST OF ASSOCIATED PUBLICATIONS

	A.P.
<i>Goblin Mk. 2 aero-engines</i> ... ..	4121B
<i>Derwent Mk. 1 aero-engines</i> ... ..	4038A
<i>Derwent Mk. 5 aero-engines</i> ... ..	4038B
<i>Fuel system components (General) for gas-turbine aero-engines</i>	4282
<i>Python Mk. 1 aero-engines</i> ... ..	4293A

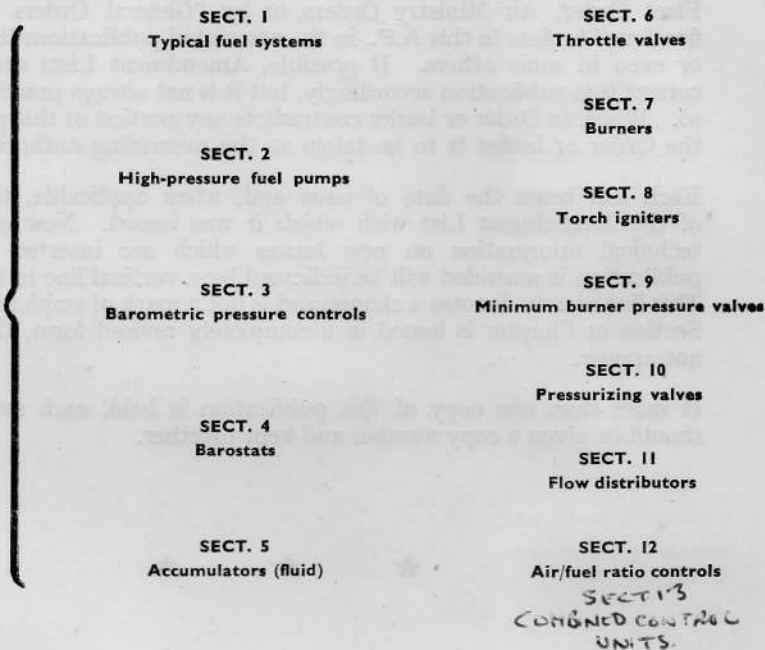
R E S T R I C T E D

LAYOUT TREE

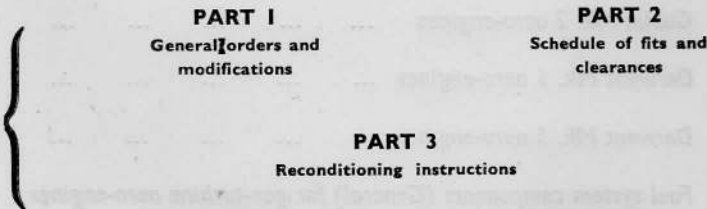
A.P.4282A FUEL SYSTEM COMPONENTS (LUCAS)  
FOR  
GAS-TURBINE AERO-ENGINES

NOTE TO READERS

VOL. 1



VOL. 2



VOL. 3

Schedule of spare parts

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## PREFACE

### The "4282" Series

1. The Fuel System Components for Gas-Turbine Aero-engines Manual is at present divided into two Air Publications, as follows:—

A.P.4282—Fuel System Components for Gas-Turbine Aero-engines.

A.P.4282A—Fuel System Components (Lucas) for Gas-Turbine Aero-engines.

2. A.P.4282 contains information on a miscellany of gas-turbine fuel systems components which are within the scope of the title but which do not yet justify the existence of a separate publication.

3. When a series of components manufactured by any one firm is sufficiently extensive, the existing information will be extracted from A.P.4282 and published in a separate specialist Air Publication, bearing the same number 4282, but with the addition of a suffix letter A, B, C, etc. The main title of the Air Publication will remain unchanged except that the name of the firm making the components will be included. A.P.4282A is the first example of a separate Air Publication, and deals with all gas-turbine fuel system components of Lucas manufacture.

4. A layout tree showing the structure and scope of the A.P. will be included at the beginning of each separate Air Publication.

## LIST OF SECTIONS

*Note.*—A list of chapters appears at the beginning of each section

- 1 Typical fuel systems
- 2 High-pressure fuel pumps
- 3 Barometric and electric pressure controls
- 4 Barostats
- 5 Accumulators (fluid)
- 6 Throttle valves
- 7 Burners
- 8 Filters, non-return valves, shut-off cocks and solenoid-operated valves
- 9 Minimum burner pressure valves
- 10 Pressurizing valves
- 11 Flow distributors
- 12 Air/fuel ratio controls and air-flow control speed-signal transmitter.
- 13 Combined control units
- 14 Governors and temperature controls

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