

AIR MINISTRY CHECKING LIST

A.P.4481A, D & E Vol.3

Avon 201, 204 and 205

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For Avon 20101, 20401 and 20501 Engine Change Units as installed
in Valiant B Mk's.1,2 BPR-Mk.1 and BPR(K) Mk.1 Aircraft

This checking list has been prepared to show only those items of a readily detachable nature or about which doubt may exist whether they should form part of, or should be transferred with the Engine Change Unit. The list consequently excludes those other Engine Change Unit components which are not liable to incidental removal, but personnel are not thereby relieved of the responsibility for checking and recording in accordance with the regulations, discrepancies of such components.

The Engine Change Unit is to be vouched as instructed in A.P.830 Vol.1 5th Edition, Part 2 Leaflet B9/1 quoting the Air Publication and latest issue number of the checking list.

1. The fitting of an alternative item of different type or part number but falling within the same generic heading of a checking list item does not constitute a discrepancy.
2. During storage or transit of the Engine Change Unit all exposed apertures, pipe ends, unions etc., are to be suitably blanked off to prevent the ingress of foreign matter.
3. Every effort should be made to despatch the log book with the Engine Change Unit and the log book should record the shortage of major components.
4. It must be clearly understood that all items included in the checking lists are to be accounted for notwithstanding the fact that certain items may not be required for the specific airframes into which the Engine Change Unit is installed and relevant issue or receipt vouchers and Forms 640 are to be suitably endorsed to show the shortages. Similar action is to be taken regarding surplus items (Forms 729 are also to be suitably endorsed by the resident Inspector-in-Charge A.I.D. at contractor's works).
5. The Engine Change Unit is to be transferred complete to the checking lists unless instructions are issued to the contrary, or through exceptional circumstances e.g. parts lost in crash, modifications etc.

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6. The items listed below are not to be regarded as part of, or transferred with, this Engine Change Unit.

1. - Tool Kit
2. - Starter Turbo
3. - Jet Pipe

7. The amendment list number quoted in the issue number chart is the latest affecting the checking list, and may not necessarily be in numerical order, or the latest amendment to the Volume 3.

Item No.	Description	Qty. per Engine
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<u>Part 1</u> <u>Aero-Engine Avon Marks 201, 204 and 205</u> <u>Basic Engine Items</u>		
1	Cover, blanking, for air intake	1
2	Fairing for starter motor	1
3	Dummy starter motor	1
4	Cables, electric, for starter motor	2
4A	Lug, cable starter, complete with screws and tabwashers	2 Sets
5	Extension piece, air intake	1
6	Eye, lifting engine, front	1
7	Ram, operating inlet guide swirl vanes	1
8	Unit temperature control, complete with capillary from air intake extension piece to operating ram	1
9	Pump, fuel	1
10	Valve gate, aircraft anti-icing	1
11	Unit, exhaust	1
12	Cover, blanking, for exhaust unit	1
13	Mounting, engine trunnion rear, R.H. and L.H.	2
14	Bracket, engine lifting rear	2
15	Plugs, igniter, high energy R.H. and L.H.	2
16	Unit range temperature fuel control	1
17	Actuator, for engine anti-icing system	1
18	Valve gate, for engine anti-icing system	1
19	Suspension, front engine locating, complete with two sphericals	1 Set
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Item No.	Description	Qty. per Engine
20	Box, bevel, upper, generator drive	1
21	Box, bevel, lower, generator drive	1
22	Shaft, quill, for generator drive	1
23	Cover, blanking, lower bevel box	1
24	Strap, securing generator	1
25	Oil cooler fuel cooled	1
26	Box junction, electrical, general services	1
27	Unit, switch, water methanol pressure(205 only)	1
<u>Part 2</u>		
<u>Engine Change Unit Items</u>		
28	Pipe, water methanol, complete with bracket and clips (Mk.205 engine only)	1
29	Pipe, fuel feed assembly	1 Set
30	Pipe, fuel low pressure	1
31	Seal-retaining channel, complete with rubber seal	1 Set
32	Generator, tachometer engine speed	1
33	Ducts, rear bearing cooling R.H. and L.H.	2
34	Ball-end for control lever	1
35	Cables, electric for starter	2
36	Shields, heat for starter cables	1
37	Units, high energy ignition	2
38	Switch, warning, fuel filter (Mk.20101 and 20401 Engine only)	1
39	Bracket, fuel warning switch cable assemblies (Mk.20101 and 20401 engine change units only)	1

ISSUE NUMBER OF CHECKING LIST

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AMENDT. No.		9		
DATE	Dec. 1954	July 1959		

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