

NOTE TO READERS

The subject matter of this publication may be affected by Admiralty Fleet Orders, or Air Ministry Orders, or by Servicing schedules (Volume 4 and 5), or "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, Servicing schedule, or leaflet contradicts any portion of this publication, the Order, Servicing schedule, or leaflet is to be taken as the overriding authority.

The inclusion of references to items of equipment does not constitute authority for demanding the items.

Each leaf, except the original issue of preliminaries, bears the date of issue and the number of the Amendment List with which it was issued. When this Volume is amended by the insertion of new or replacement leaves in an existing chapter, the new or amended technical information will be indicated by triangles, positioned in the text thus:—◀ — — — ▶ to show the extent of amended text, and thus:—▶ ◀ to show where text has been deleted. When a Section or Chapter is issued in a completely revised form, the triangles will not appear.

THE A.P.4343 SERIES

	A.P.
<i>Electrical manual—General</i>	4343
<i>Electrical manual—Generators and batteries (Airborne)</i>	4343A
<i>Electrical manual—Control and distribution equipment (Airborne)</i>	4343B, Books 1, 2 and 3
<i>Electrical manual—Switches, cables, wiring and accessories (Airborne)</i>	4343C, Books 1, 2, 3 and 4
<i>Electrical manual—Rotary consumer equipment (Airborne)</i>	4343D, Books 1, 2, 3, 4 and 5
<i>Electrical manual—Static consumer equipment (Airborne)</i>	4343E, Books 1, 2, 3 and 4
<i>Electrical manual—Equipment in foreign aircraft used by the R.N. and R.A.F.</i>	4343F
<i>Electrical manual—Ground equipment</i>	4343G
<i>Electrical manual—Abbreviations, symbols and equipment wiring diagrams</i>	4343H
<i>Electrical manual—Airborne and ground power indicators, test meters, testers and precision indicating instruments</i>	4343J
<i>Electrical manual—Jet-pipe temperature, throttle control and associated servicing equipment</i>	4343K
<i>Electrical manual—M.T. and marine craft equipment</i>	4343M
<i>Data book of electrical servicing equipment</i>	4343Q
<i>Electrical manual—Servicing equipment</i>	4343S, Books 1, 2, 3 and 4
<i>Electrical manual—Special to aircraft type servicing equipment</i>	4343V, Books 1 and 2
<i>Electrical manual—Armament consumer equipment (Airborne)</i>	4343X, Books 1 and 2

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LAYOUT OF A.P.4343

ELECTRICAL MANUAL—GENERAL

*Heavy type indicates the books being issued under this A.P. number;
when issued they will be listed in A.P.113 and A.P.(N)1*

VOLUME 1	General and technical information
VOLUME 2	General orders and modifications
<i>VOLUME 3</i>	<i>Inapplicable</i>
<i>VOLUME 4</i>	<i>Inapplicable</i>
<i>VOLUME 5</i>	<i>Inapplicable</i>
VOLUME 6	Repair and reconditioning instructions

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LIST OF SECTIONS AND PRELIMINARY MATTER

PRELIMINARIES

Amendment record sheet
Lethal warning
Note to readers
The A.P.4343 series
Layout of A.P.4343
Revision and transfer of information
List of lubricants

SECTIONS

- 1 General information
- 2 Generators
- 3 Primary and secondary batteries
- 4 Battery charging
- 5
- 6 Voltage and current regulators and control panels
- 7 Cut-outs and circuit breakers
- 8 Rotary transformers, converters and inverters
- 9
- 10 Static transformers, rectifiers and inverters
- 11 Switches, manual, magnetic and automatic
- 12 Cables, wiring and accessories
- 13 Aircraft systems (miscellaneous)
- 14 Straight control handles
- 15 Starter motors
- 16 Pumps
- 17 Actuators, motor
- 18 Miscellaneous motors
- 19 Safety precautions
- 20 Actuators, solenoid
- 21 Heating, lighting and refrigerating equipment
- 22 Fire, safety, and rescue equipment
- 23 Indicators and warning devices
- 24 Testmeters and servicing equipment
- 25 Power control and transmission systems

Note.—A list of chapters is given at the beginning of each section

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LIST OF LUBRICANTS

The following is a list of lubricants and associated materials mentioned in the A.P.4343 series of publications. To avoid repetition, common user items are identified in the text of the various books by their Joint-Service designations only. Reference numbers are used for items peculiar to the R.A.F.

Joint-Service designation	Reference No.	N.A.T.O. Code No.
Oil, OC-600	34D/9100536	O-208
Oil, OEP-740	34B/9428567	—
Oil, OF-24	34D/9100566	H-544
Oil, OM-13	34D/9100570	O-134
Oil, OM-15	34B/9100572	H-515
Oil, OM-16	34D/9100599	S-756
Oil, OM-33	34D/9423224	H-576
Oil OM-58	34D/9106165	—
Oil, OM-71	34D/9100577	O-138
Oil, OM-170	34B/9100553	O-115
Oil, OM-270	34A/9100554	O-117
Oil, OMD-110	34D/9100581	O-180
Oil, OX-14	34B/9100590	O-147
Oil, OX-23	34B/9423150	O-158
Oil, OX-38	34B/9424819	O-149
Grease, XG-265	34B/9433481	—
Grease, XG-271	34B/9100510	G-382
Grease, XG-275	34B/9100512	G-350
Grease, XG-276	34B/9425139	—
Grease, XG-277	34B/9100514	G-359
Grease, XG-278	34B/9105058	G-354
Grease, XG-284	34B/9439321	G-366
Grease, XG-285	34B/9100517	G-355
Grease, XG-290	34B/9105057	—
Grease, XG-315	34B/9100519	G-394
Grease, MS-4	34C/9424829	S-736
Grease, Aeroshell No. 15	34B/1429	—
Protective, PX-7	34B/9100488	S-743

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