

Aircraft Maintenance Engineer's Basic Practical Logbook

About this document

This logbook is supported by the Swiss Federal Office of Civil Aviation FOCA/BAZL and Swiss Aircraft Maintenance Association SAMA/SVFB. It provides the recommended means of recording basic practical maintenance training in order to support an application to the authority for the issue or variation of an Aircraft Maintenance License in accordance with EASA Part-66 and related guidance. Its structure guides the applicant's recordings in view of a quick and accurate assessment of his/her training and technical knowledge. In order to make it a widely used reference, this logbook is downloadable at FOCA and SAMA websites: www.bazl.admin.ch or www.svfb.ch

Personal Data please print

Family & first name: _____

Nationality: _____ Date of Birth: _____

Full address: _____

Licence Category applied for (EASA Form 19): circle your category

Aeroplane Turbine	Aeroplane Piston	Helicopter Turbine	Helicopter Piston	Avionics	Aeroplane Piston < 2 t
A1	A2	A3	A4	B2	B3
B1.1	B1.2	B1.3	B1.4		

The required tasks for the encircled category have been performed and assessed where appropriate.

Name and Signature of approved Assessor:

Log Book Owner's Signature: _____ **Date of EASA Form 19 Application:** _____

General Information

1. All entries in this logbook shall be made in ink.
2. When used in support of an application for a licence, any false entry in the logbook will constitute a legal offence.
3. Entries in the logbook shall be made personally by the logbook holder and confirmed/certified by an authorised person (e.g. instructor or assessor, Part-147, -145, M/F or FOCA authorised person).
4. Leave unused fields open. They might later be used for a licence extension.

Completion of the Log pages

The log pages of this book have the following general format:

Index	ATA	Task / Competence	Licence Category				A/C Registration or Workshop or Workorder	Instructor / Assessor and Company	Date (ddmmyy)
			A	B1	B2	B3			

The following information and instruction for each column shall be observed:

<i>Index</i>	Numbering of the items for easy reference
<i>ATA chapter</i>	Reference to ATA 100 classification
<i>Task / Competence:</i>	Describes the task to be performed or competence to be obtained. The tasks identified in this section are agreed between FOCA and SAMA, to satisfy EASA Part 66 basic practical knowledge and experience requirements. The training and assessment may be carried out on in-service aircraft, in workshops, on training equipment or on simulators.
<i>Licence Category</i>	The references in this column indicate for which licence category the task / competence described is required. Circle the licence category for which your basic training is intended in the header of each page.
<i>A/C Registration or Workshop or Workorder:</i>	The entries made in this column state where the task has been performed, to allow traceability. In case of extensive work, it may be useful to add a detailed work report to the logbook folder.
<i>Instructor/Assessor and Company:</i>	Each entry must be signed by an instructor/assessor, with full name and organisation, to certify that the logbook owner has achieved the required competence on the subject or that the task has been carried out correctly under his supervision.
<i>Date:</i>	Indicates the date of closure/certifying by the authorised person.

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<i>Encircle the relevant category:</i>				A B1 B2 B3			
1	20	7.1 - 7.3	Safety Precautions, Workshop Practices and Tools (M7.1 - 7.3)	A B1 B2 B3			
2		7.1	Explain hazards when working with aircraft related to noise, heat, moving surfaces, propellers, rotors, intakes, exhausts	A B1 B2 B3			
3		7.1	Demonstrate safety precautions when using fluids, gasses and chemicals	A B1 B2 B3			
4		7.2	Apply and explain workshop environment related safety practices	A B1 B2 B3			
5		7.2	Define proper care and control of tools and equipment	A B1 B2 B3			
6		7.2	Check validity of calibration of tools and equipment	A B1 B2 B3			
7		7.2	Demonstrate inspection technic using a mirror and a light source	A B1 B2 B3			
8		7.3	Use tools and equipment for cutting, forming and joining commonly used materials (Ferrous and non-ferrous)	A B1 B2 B3			
9		7.3	Demonstrate correct use of measuring equipment e.g. micrometers, verniers and height gauges	A B1 B2 B3			
10		7.3	Demonstrate the use of lubrication equipment according AMM	A B1 B2 B3			
11		7.3	Use a torque meter with and without extension	A B1 B2 B3			

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<i>Encircle the relevant category:</i>							
12	20	7.4	Avionic General Test Equipment (M7.4)	- B1 B2 -			
13		7.4	Perform a typical avionic test using a test equipment	- B1 B2 -			
14		7.4	Use test meters to measure volts, amps and resistance in practical task circumstances	- B1 B2 -			
15		7.4	Check an aircraft electrical circuit for continuity in conjunction with an electrical wiring diagram	- B1 B2 -			
16		7.4	Carry out basic fault finding techniques using a range of test meters	- B1 B2 -			
17		7.4	Carry out bonding and insulation tests	- B1 B2 -			
18	20	7.5 - 7.6	Engineering Drawings, Fits and Clearances (M7.5 - 7.6)	A B1 B2 B3			
19		7.5	Interpret and work to engineering drawings	A B1 B2 B3			
20		7.5	Demonstrate correct reading and interpretation of electrical wiring diagrams	A B1 B2 B3			
21		7.6	Demonstrate / explain use of feeler, slip, limit, go / no go gauges	A B1 B2 B3			
22		7.6	Fit and remove thread inserts	A B1 - B3			
23		7.6	Drill and tap a threaded hole	- B1 B2 B3			

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				<i>Encircle the relevant category:</i>			
				A B1 B2 B3			
24		7.6	Drill and ream perpendicular holes in ferrous and non-ferrous material	- B1 - B3			
25	20	7.7	Electrical Wiring Interconnection System (EWIS) (M7.7)	A B1 B2 B3			
26		7.7	Demonstrate wire splicing methods	- B1 B2 B3			
27		7.7	Identify a range of electrical component symbols	- B1 B2 B3			
28		7.7	Identify cables and cables values by reference to the maintenance manuals	- B1 B2 -			
29		7.7	Insert / extract electrical inserts (pins) in a variety of electrical connectors	- B1 B2 B3			
30		7.7	Inspect coaxial cable installations, correct them if necessary	- B1 B2 B3			
31		7.7	Inspect electrical cable looms and bundles and correct them if necessary	- B1 B2 B3			
32		7.7	Inspection of cable feed-throughs	A B1 B2 B3			
33		7.7	Install wiring clamps	A B1 B2 B3			
34		7.7	Interpret typical electrical wiring diagrams and schematics circuits	- B1 B2 B3			
35		7.7	Prepare and install a simple loom, using at least two binding methods	- B1 B2 B3			

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36		7.7	Repair or replace an electrical connector	- B1 B2 -			
37		7.7	Select and use appropriate cable stripping tools	- B1 B2 B3			
38		7.7	Use two crimping systems to prepare cable ends or plug / socket terminals	- B1 B2 B3			
39	20	7.8	Riveting (M7.8)	- B1 - B3			
40		7.8	Use hand & power tools to drill rivet holes in an exact distance ($\pm 0.75\text{mm}$)	- B1 - B3			
41		7.8	Identify a range of solid and blind rivets and fasteners	- B1 - B3			
42		7.8	Identify, select and use a range of rivet setting equipment	- B1 - B3			
43		7.8	Set a range of raised and countersunk rivets in aluminium sheet using various methods	- B1 - B3			
44		7.8	Identify faulty rivet settings	- B1 - B3			
45		7.8	Remove defective rivets without causing further damage to skin	- B1 - B3			
46		7.8	Select and install oversize rivets as instructed by Structure Repair Manual	- B1 - B3			
47		7.8	Set a range of different fasteners in aluminium sheet	- B1 - B3			

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<i>Encircle the relevant category:</i>				A B1 B2 B3			
48	20	7.9 - 7.13	Pipes, Hoses, Springs, Bearings, Transmissions and Control Cables (M7.9 - 7.13)	A B1 - B3			
49		7.9	Replace & test a flexible hose including clamps and brackets	A B1 - B3			
50		7.9	Bend, replace and test a rigid pipe, including clips and brackets	A B1 - B3			
51		7.9	Locate components using referencing system, e g station numbers	A B1 - B3			
52		7.10	Explain methods for inspection and testing of springs	A B1 - B3			
53		7.11	Perform testing, cleaning and inspection of bearings	A B1 - B3			
54		7.11	Lubricate aircraft according Maintenance Manual	A B1 - B3			
55		7.12	Inspect screw jacks, levers, push-pull rod, belts, pulleys, chain and sprocket	A B1 - B3			
56		7.12	Check backlash of gears	A B1 - B3			
57		7.13	Inspect and assess condition of bowden cables / flexible control cables (flex ball cables)	A B1 - B3			
58		7.13	Demonstrate swaging of end fitting	- B1 - B3			

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59	20	7.14 - 7.15	Material Handling, Welding, Brazing, Soldering and Bonding (M7.14 - 7.15)	- B1 B2 B3			
60		7.14	Use hand tools, folding and bending machines to shape aluminium alloy to an accuracy of ± 0.5 mm	- B1 - B3			
61		7.14	Bend metal to a bend radius and angle as given in the engineering drawing	- B1 - B3			
62		7.14	Demonstrate removal of corrosion / reprotection on an aluminium sheet	- B1 - B3			
63		7.14	Cut and shape material to required profile, using approved procedures	- B1 - B3			
64		7.14	Identify the characteristics and properties of common composite materials	- B1 - B3			
65		7.14	Identify a range of sealing and bonding agents	- B1 - B3			
66		7.14	Explain methods to detect defects/deterioration in composite material	- B1 - B3			
67		7.14	Perform a small repair of a composite structure	- B1 - B3			
68		7.14	Identify the characteristics and properties of common types of wood and glue	- B1 - B3			
69		7.14	Explain construction methods used in wooden structures	- B1 - B3			
70		7.14	Discuss methods of preservation and maintenance of wooden structures	- B1 - B3			

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71		7.14	Explain the detection of defects in wood material and wooden structures	- B1 - B3			
72		7.14	Demonstrate repair of wooden structure	- B1 - B3			
73		7.14	Explain / identify defects in fabrics	- B1 - B3			
74		7.14	Demonstrate / explain methods to repair fabric covering	- B1 - B3			
75		7.15	Perform simple soldering tasks	- B1 B2 B3			
76		7.15	Solder cables to single and multipin connectors	- B1 B2 B3			
77		7.15	Inspect soldered, welded and brazed joints	- B1 - B3			
78		7.15	Explain bonding methods, inspection of bonded joints	- B1 - B3			
79		7.16 - 7.17	Aircraft Weight and Balance, Handling and Storage (M7.16 - 7.17)	A B1 B2 B3			
80	8	7.16	Calculate Centre of Gravity/Balance limits, use relevant documents	- B1 B2 B3			
81	8	7.16	Prepare aircraft for weighing	- B1 - B3			
82	7	7.17	Assist jacking an aircraft	A B1 B2 B3			

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83	7	7.17	Park, chock and ground aircraft	A B1 B2 B3			
84	7	7.17	Perform long time parking	A B1 B2 B3			
85	9	7.17	Assist in the towing of an aircraft	A B1 B2 B3			
86	12	7.17	Assist in servicing of toilet and potable water system (if installed)	A B1 - -			
87	12	7.17	Perform refueling/defueling of aircraft	A B1 B2 B3			
88	12	7.17	Assist de-icing/anti-icing procedures	A B1 B2 B3			
89	12	7.17	Check & replenish oil and hydraulic systems, tyre pressures	A B1 - B3			
90	12	7.17	Perform lubrication of bearings (flight controls / landing gear)	A B1 - B3			
91	20	7.17	Remove and refit aircraft access panels	A B1 B2 B3			
92	21	7.17	Connect and use external air supply (if adapter installed)	A B1 B2 -			
93	24	7.17	Connect and use external electrical power	A B1 B2 B3			

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94		7.18 - 7.20	Disassembly, Inspection, Repair & Assembly Techniques, Abnormal Events, Maint. Procedures (M7.18 - 7.20)	A B1 B2 B3			
95	20	7.20	Explain the procedures for material storage and handling	A B1 B2 B3			
96	20	7.18	Adjust, set and use torque spanners	A B1 B2 B3			
97	20	7.18	Identify standards and specifications of common use parts i. e. nuts, bolts, washers and split pins	A B1 B2 B3			
98	20	7.18	Replace a range of common components e. g. split pins, tabs, spring and plain washers, plain and lock nuts	A B1 B2 B3			
99	20	7.18	Identify part and serial numbers from a component overhaul manual or IPC	A B1 B2 B3			
100	20	7.18	Demonstrate competence when wire locking a variety of assemblies	A B1 B2 B3			
101	20	7.18	Measure shafts, bores, flanges, and adjacent surfaces using precision measuring instruments	A B1 - B3			
102	20	7.18	Demonstrate application of two-component sealers and compounds	A B1 - B3			
103	20	7.18	Demonstrate disconnecting and reconnecting of electrical connectors	A B1 B2 B3			
104	20	7.18	Explain & implement ESD procedures (ESD = Electro Static Discharge)	A B1 B2 B3			
105	20	7.18	Demonstrate replacement of circuit breaker	- B1 B2 B3			

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106	20	7.18	Replace internal and external lamps / bulbs	A B1 B2 B3			
107	20	7.18	Replace static discharge wick	A B1 B2 B3			
108	5	7.18	Perform non destructive inspections (e.g. penetrant and boroscope inspection)	- B1 - B3			
109	5	7.18	Demonstrate proficiency in troubleshooting techniques using TSM and on-board reporting systems	- B1 B2 B3			
110	5	7.18	Perform pre-flight check	A B1 B2 B3			
111	5	7.20	Assist and explain a scheduled check (e.g. 100h check or A-check)	A B1 B2 B3			
112	5	7.19	Suppose a hard or overweight landing: Show unscheduled inspection procedure according AMM and explain action	A B1 - B3			
113	5	7.19	Explain the required inspection following a lightning strike or static discharge	A B1 B2 B3			
114	5	7.20	Demonstrate close-up of documentation following performance of maintenance tasks	A B1 B2 B3			
115		11	Airplane Turbine & Airplane Piston (M11)	A B1 B2 B3			
116	25	11.3	Inspect cabin / cockpit equipment for serviceability	A B1 - B3			
117	25	7.18	Perform replacement of an oven or boiler	A B1 - -			

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118	27	11.9	Perform gust lock operational check	A B1 - B3			
119	27	11.9	Run a functional check on auto flap retraction	A B1 - -			
120	27	11.9	Test function of mechanically operated ailerons, elevators, rudder	A B1 - B3			
121	27	11.9 / 13.7	Suppose a faulty flight control system: Use the on-board reporting system for troubleshooting	- B1 B2 -			
122	27	11.9 / 13.7	Run a functional check on a fly-by-wire system	- B1 B2 -			
123	32	11.13	Assist or explain replacement of seals on shock strut	A B1 - B3			
124	32	11.13 / 13.16	Prepare airplane for landing gear retraction / extension operation	A B1 B2 B3			
125	32	11.13 / 13.16	Perform functional test of anti skid system	- B1 B2 B3			
126	35	11.15 / 13.17	Replenish oxygen system, or replace O2-cylinder	A B1 B2 -			
127	36	11.16	Prepare environment for APU Start	A B1 - B3			
128	38	11.17	Replenish potable water	A B1 - -			
129	38	11.17	Inspect toilet and galley units for serviceability	A B1 - -			

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130		11 & 12	Airplane Turbine, Piston and Helicopter (M11&12)	A B1 B2 B3			
131	21	11.4 / 12.6 / 13.11.2	Check operation of airconditioning system (B1.3 & B3: Check operation of heating and ventilation)	A B1 B2 B3			
132	24	11.6 / 12.8 / 13.5	Conduct a NICA battery check	- B1 B2 B3			
133	24	11.6 / 12.8 / 13.4	Remove / refit main batterie	A B1 B2 B3			
134	24	11.6 / 12.8 / 13.5	Replace an electrical component and run a functional test according to AMM	- B1 B2 B3			
135	25	11.3 / 12.5	Replace a crew or passenger seat	A B1 - B3			
136	25	11.7 / 12.9	Check seat belts for serviceability	A B1 - B3			
137	25	11.7 / 12.9 / 13.6	Check condition and function of emergency equipment and ELT	A B1 B2 B3			
138	26	11.8 / 12.10	Perform weight check on fire extinguisher container and replace, if necessary	A B1 - B3			
139	26	11.8 / 12.10 / 13.12	Inspect and test fire detecting systems	A B1 B2 -			
140	27	11.9 / 13.7	Explain precaution and safety measures required before operating flight controls	A B1 B2 B3			
141	27	11.9	Perform rigging of flight controls following component replacement	- B1 - B3			

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				A B1 B2 B3			
142	27	11.9	Explain replacement procedure for a hydraulic flight control actuator	- B1 - -			
143	27	11.9 / 12.7 / 13.7	Determine aircraft airworthiness per MEL/CDL	- B1 B2 -			
144	27	11.9 / 13.7	Run a functional check on hydraulically operated flight control systems	- B1 B2 -			
145	28	11.1 / 12.11	Replace and test a fuel booster pump	A B1 - B3			
146	29	11.11 / 12.12	Replace a hydraulic system component according AMM	- B1 - B3			
147	29	11.11 / 12.12 / 13.14	Explain replacement / installation of hydraulic pump (electrical or engine driven)	A B1 B2 B3			
148	29	11.11 / 12.12	Inspect hydraulic reservoir, replenish fluid and recharge reservoir if required	A B1 - B3			
149	30	11.12 / 12.13 / 13.15	Check function of anti-ice or de-icing system	A B1 B2 B3			
150	30	11.12 / 12.5	Remove and refit windshield wiper blades	A B1 - B3			
151	32	11.13 / 12.14	Replace landing gear wheels	A B1 - B3			
152	32	11.13 / 12.14	Remove / install wheel brake	A B1 - B3			
153	32	11.13 / 12.14	Bleed hydraulic brakes	A B1 - B3			

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154	32	11.13 / 12.14	Assess shock strut fluid level and recharge if required	A B1 - B3			
155	32	13.16	Check function of landing gear indication system	A B1 B2 B3			
156	45	11.5 / 12.7 / 13.10	Retrieve data from central maintenance system (CMS, if installed)	A B1 B2 -			
157	51	11.3 / 12.5	Demonstrate the procedure for a structural inspection (from nose to tail)	A B1 - B3			
158	52	11.3 / 12.5	Check door seals and replace them, if required	A B1 - B3			
159	56	11.3 / 12.5	Explain procedure for cleaning / polishing windows	A B1 - B3			
160	56	11.3 / 12.5	Remove / install window or windshield	- B1 - B3			
161		12	Helicopter only (M12)	A B1 - -			
162	10	7.17	Demonstrate mooring and picketing	A B1 - -			
163	10	7.17	Secure rotor blades	A B1 - -			
164	64	12.3	Assist removal of tail rotor	A B1 - -			
165	67	12.2	Perform tail rotor flight control rigging	A B1 - -			

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166	62	12.3	Assist in removal / refit main rotor head or gear box	A B1 - -			
167	62	12.3	Perform main rotor flight control rigging	A B1 - -			
168	62	12.3	Check main rotor track and balance	A B1 - -			
169	63	12.4	Assist in removal / refit transmission drive shaft	A B1 - -			
170		13 & 11	Electric Aircraft Systems and Avionics (M13&11&12)	A B1 B2 B3			
171	22	13.4	Carry out an autothrottle system test	- - B2 -			
172	22	13.4	Demonstrate BITE test practices on flight management system	- - B2 -			
173	22	13.4	Perform an autopilot system test	- - B2 -			
174	22	13.4 / 11.5 / 12.7	Replace an LRU related to air data system, apply associated BITE	A B1 B2 -			
175	23	13.4 / 11.5 / 12.7	Carry out a VHF Radio check	A B1 B2 B3			
176	23	13.4 / 11.5 / 12.7	Describe an typical antenna replacement procedure	- B1 B2 -			
177	23	13.6 / 11.5 / 12.7	Perform an intercom or passenger address component replacement and testing	- B1 B2 -			

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				A B1 B2 B3			
178	24	13.5 / 11.6 / 12.8	Conduct generator power check / voltage adjustment	- B1 B2 B3			
179	25	7.18	Replace IFE Equipment and test its function, if available (excluding public address)	A B1 B2 -			
180	28	13.8 / 11.10 / 12.11	Perform a fuel quantity indicating system test	- B1 B2 B3			
181	31	13.8 / 11.5 / 12.7	Discuss maintenance practices on EFIS (Electronic Flight Instrument System)	- B1 B2 B3			
182	31	13.8 / 11.5 / 12.7	Identify flight data and voice recorder location	- B1 B2 -			
183	34	13.4	Run BITE tests on selected navigation systems (VOR, ADF, LOC/GS, Marker, DME, Radio Altimeter, TCAS, GPWS, ATC, GPS)	- - B2 -			
184	34	13.4	Discuss weather radar component replacement and functional test	- - B2 -			
185	34	13.8 / 11.5	Perform initialisation check on inertial reference unit / platform	A B1 B2 -			
186	34	13.8 / 11.5 / 12.7	Assist a compass / standby compass compensation	- B1 B2 B3			
187	34	13.8 / 11.5 / 12.7	Assist calibration check of a pitot static system using a leak tester	- B1 B2 -			
188	45	13.8 / 11.5 / 12.7	Check operation of on-board maintenance system (BITE)	- B1 B2 -			
189	42	13.2 / 11.19	Integrated Modular Avionics (if IMA available: Run a system test)	- B1 B2 -			

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190	44	13.21 / 11.20	Cabin Systems (if CS available: Run a functional test)	- B1 B2 -			
191	46	13.22 / 11.21	Information Systems (if IS available: Run a system test)	- B1 B2 -			
192		14 / 15	Gas Turbine Engine / Propulsion (M15&14)	A B1 B2 -			
193	70	7.18	Inspect engine using boroscope	A B1 - -			
194	70	7.18	Assist in a engine removal & installation	A B1 - -			
195	70	15.21	Assist engine test run-up	A B1 - -			
196	70	15.1	Check oil quantity level, refill to correct level, if necessary	A B1 - -			
197	73	14.1 / 15.11	Perform a FADEC system test	- B1 B2 -			
198	73	15.11	Describe fuel system layout and components	- B1 - -			
199	73	15.12	Describe the layout and components of the bleed air system	- B1 - -			
200	73	15.11	Perform a fuel injection system check	- B1 - -			
201	74	15.13 / 14.3	Perform ignition system test	A B1 B2 -			

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202	74	15.13 / 14.3	Replace igniter plug and check function	A B1 B2 -			
203	76	15.11	Rig engine power lever / throttle control	- B1 - -			
204	77	14.2 / 15.14	Perform functional test on indication systems	A B1 B2 -			
205	77	14.2 / 15.14	Demonstrate replacement of thermocouple / temperature sensor	- B1 B2 -			
206	77	15.14	Assist replacement of temperature, pressure or flow indication components	A B1 - -			
207	80	15.13 / 14.3	Assist replacement of starter turbine or starter valve and system test	A B1 B2 -			
208		16	Piston Engine (M16)	A B1 - B3			
209	70	7.18	Inspect engine using boroscope	A B1 - B3			
210	70	7.18	Assist in a engine removal & installation	A B1 - B3			
211	70	16.12	Assist engine test run-up	A B1 - B3			
212	70	16.9	Check oil quantity level, refill to correct level, if necessary	A B1 - B3			
213	72	16.3	Perform engine inlet/outlet valve adjustment	- B1 - B3			

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214	73	16.4	Perform a FADEC system test (if installed)	- B1 - B3			
215	73	16.4	Perform a fuel injection system check	- B1 - B3			
216	73	16.4	Perform carburetor fuel mixer and idle RPM adjustment	- B1 - B3			
217	74	16.5	Perform ignition system test	A B1 - B3			
218	74	16.5	Perform magnetos adjustment	- B1 - B3			
219	74	16.5	Replace spark plug and check function	A B1 - B3			
220	75	16.6	Check baffles for condition	A B1 - B3			
221	76	16.4	Rig engine power lever	- B1 - B3			
222	77	16.10	Perform functional test on engine indication system	A B1 - B3			
223	77	16.10	Demonstrate replacement of temperature sensor	- B1 - B3			
224	77	16.3	Perform vacuum pump check	- B1 - B3			
225	78	16.7	Demonstrate turbocharger and waste gate test and adjustment	- B1 - B3			

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226	80	16.5	Assist replacement of starter motor	A B1 - B3			
227		17	Propeller (M17)	A B1 - B3			
228	61	17.2	Assist in propeller removal / refit	A B1 - B3			
229	61	17.4	Demonstrate propeller synchronising procedure with synchrophasing equipment	- B1 - B3			
230	61	17.5	Check propeller de-icing system and components	A B1 - B3			
231	61	17.6	Perform propeller lubrication	A B1 - B3			
232	61	17.6	Check propeller track	- B1 - B3			
233	61	17.6	Assist propeller static and dynamic balancing	- B1 - B3			
234	61	17.6	Demonstrate adjustment of propeller RPM	- B1 - B3			

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