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Aircraft Maintenance Engineer's Basic Practical Logbook

Personal Data please print

Family name: _____ First name: _____

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License 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		
B1.1	B1.2	B1.3	B1.4	B2	B3

Training period

Categorie: _____ Start date: _____ End date: _____
Categorie: _____ Start date: _____ End date: _____
Categorie: _____ Start date: _____ End date: _____

The required tasks for the encircled category have been performed and the required competence achieved in performing safe maintenance.

Name and Signature of Employer: _____

Signature of trainee: _____

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

General Information

1. All entries in this logbook shall be made in ink.
2. When used in support of an application for a license, **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 countersigned by an authorised person (e.g. instructor or mentor, Part-147, -145, M/F or FOCA authorised person). For identification reason, list the designated mentor/ instructor in the table below.
4. Leave unused fields open. They might later be used for a license extension.

Instruktor /Mentor list

Last name	First name	License Nr	Signature

Completion of the Log pages

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

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

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

Index:	Numbering of the items for easy reference
ATA chapter:	Reference to ATA 100 classification
Task / Competence:	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 may be carried out on in service aircraft, in workshops, on training equipment or on simulators.
License category:	The references in this column indicate for which license category the task / competence described is required. Circle the license category for which your basic training is intended in the header of each page.
A/C Registration or Workshop or Workorder:	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
Instructor and /mentor Company:	Each entry must be signed by an instructor/mentor, with full name and organisation, to certify that the logbook owner has *and* achieved the required competence on the subject or that the task has been carried out correctly under his supervision.
Date:	Indicates the date of closure/certifying by the authorised person.

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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**			
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 -**			

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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**			
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 methodes	- **B1 B2 B3**			

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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**			
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**			

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40		7.8	Use hand & power tools to drill rivet holes in an exact distance (± 0.75mm)	- **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 aluminum 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 aluminum sheet	- **B1** - **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		7.1	Explain methods for inspection and testing of springs	**A B1** - **B3**			

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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 bow den cables / flexible control cables (flex ball cables)	**A B1 - B3**			
58		7.13	Demonstrate sw aging of end fitting	**- B1 - B3**			
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 aluminum 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 draw ing	**- B1 - B3**			
62		7.14	Demonstrate removal of corrosion / reprotection on an aluminum 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**			

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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**			
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 multi-pin 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**			

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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**			
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**			

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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**			
94		**7.18 - 7.20**	**Disassembly, Inspection, Repair & Assembly Techniques, Abnormal Events, Maint. Procedures (M7.18 - 7.20)**	**A B1 B2 B3**			
95	20	7.2	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**			

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105	20	7.18	Demonstrate replacement of circuit breaker	- **B1 B2 B3**			
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	7.2	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	7.2	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 - -**			
130		**11 & 12**	**Airplane Turbine, Piston and Helicopter (M11&12)**	**A B1 B2 B3**			

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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 w eight 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 follow ing component replacement	**- B1 - 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 airw orthiness per MEL/CDL	**- B1 B2 -**			

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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 the wheel brake	**A B1** - **B3**			
153	32	11.13 / 12.14	Bleed hydraulic brakes	**A B1** - **B3**			
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** -			

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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 - -**			
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 - -**			
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171	22	13.3	Carry out an auto throttle system test	- - **B2** -			
172	22	13.10	Demonstrate BITE test practices on flight management system	- - **B2** -			
173	22	13.3	Perform an autopilot system test	- - **B2** -			
174	22	11.5 / 12.7/13.8	Replace an LRU related to air data system, apply associated BITE	**A B1 B2** -			
175	23	11.5 / 12.7 / 13.4	Carry out a VHF Radio check	**A B1 B2 B3**			
176	23	11.5 / 12.7 / 13.4 /	Describe an typical antenna replacement procedure	- **B1 B2** -			
177	23	11.5 / 12.7 / 13.6	Perform an intercom or passenger address component replacement and testing	- **B1 B2** -			
178	24	11.6 / 12.8 / 13.5	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	11.10 / 12.11/ 13.8	Perform a fuel quantity indicating system test	- **B1 B2 B3**			
181	31	11.5 / 12.7 / 13.8	Discuss maintenance practices on EFIS (Electronic Flight Instrument System)	- **B1 B2 B3**			
182	31	11.5 / 12.7 / 13.8	Identify flight data and voice recorder location	- **B1 B2** -			

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183	34	13.4	Run BITE tests on selected navigation systems (ADF, Marker, GPWS, GPS)	- - **B2** -			
184	34	13.4	Perform a VOR test	- - **B2** -			
185	34	13.4	Perform DME test	- - **B2** -			
186	34	13.4	Perform LOC/GS test	- - **B2** -			
187	34	13.4	Perform Radio Altimeter test	- - **B2** -			
188	34	13.4	Perform a TCAS bite test	- - **B2** -			
189	34	13.4	Perform ATC test	- - **B2** -			
190	34	13.4	Perform function check of ADF sense antenna	- - **B2** -			
191	34	13.4	Discuss weather radar component replacement and functional test	- - **B2** -			
192	34	13.8 / 11.5	Perform initialisation check on inertial reference unit / platform	**A B1 B2** -			
193	34	11.5 / 12.7 / 13.8	Assist a compass / standby compass compensation	- **B1 B2 B3**			
194	34	11.5 / 12.7 / 13.8	Assist calibration check of a pitot static system using a leak tester	- **B1 B2** -			
195	45	11.5 / 12.7 /13.8	Check operation of on-board maintenance system (BITE)	- **B1 B2** -			

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196	42	13.2 / 11.19	Integrated Modular Avionics (if IMA available: Run a system test)	- **B1 B2** -			
197	44	13.21 / 11.20	Cabin Systems (if CS available: Run a functional test)	- **B1 B2** -			
198	46	13.22 / 11.21	Information Systems (if IS available: Run a system test)	- **B1 B2** -			
199		**14 / 15**	**Gas Turbine Engine / Propulsion (M15&14)**	**A B1 B2** -			
200	70	7.18	Inspect engine using boroscope	**A B1** - -			
201	70	7.18	Assist in an engine removal & installation	**A B1** - -			
202	70	15.21	Assist engine test run-up	**A B1** - -			
203	70	15.1	Check oil quantity level, refill to correct level, if necessary	**A B1** - -			
204	73	14.1 / 15.11	Perform a FADEC system test	- **B1 B2** -			
205	73	15.11	Describe fuel system layout and components	- **B1** - -			
206	73	15.12	Describe the layout and components of the bleed air system	- **B1** - -			
207	73	15.11	Perform a fuel injection system check	- **B1** - -			
208	74	15.13 / 14.3	Perform ignition system test	**A B1 B2** -			

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209	74	15.13 / 14.3	Replace igniter plug and check function	**A B1 B2 -**			
210	76	15.11	Rig engine power lever / throttle control	**- B1 - -**			
211	77	14.2 / 15.14	Perform functional test on indication systems	**A B1 B2 -**			
212	77	14.2 / 15.14	Demonstrate replacement of thermocouple / temperature sensor	**- B1 B2 -**			
213	77	15.14	Assist replacement of temperature, pressure or flow indication components	**A B1 - -**			
214	80	15.13 / 14.3	Assist replacement of starter turbine or starter valve and system test	**A B1 B2 -**			
215		**16**	**Piston Engine (M16)**	**A B1 - B3**			
216	70	7.18	Inspect engine using boroscope	**A B1 - B3**			
217	70	7.18	Assist in an engine removal & installation	**A B1 - B3**			
218	70	16.12	Assist engine test run-up	**A B1 - B3**			
219	70	16.9	Check oil quantity level, refill to correct level, if necessary	**A B1 - B3**			
220	72	16.3	Perform engine inlet/outlet valve adjustment	**- B1 - B3**			
221	73	16.4	Perform a FADEC system test (if installed)	**- B1 - B3**			

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222	73	16.4	Perform a fuel injection system check	- **B1** - **B3**			
223	73	16.4	Perform carburator fuel mixer and idle RPM adjustment	- **B1** - **B3**			
224	74	16.5	Perform ignition system test	**A B1** - **B3**			
225	74	16.5	Perform magnetos adjustment	- **B1** - **B3**			
226	74	16.5	Replace spark plug and check function	**A B1** - **B3**			
227	75	16.6	Check baffles for condition	**A B1** - **B3**			
228	76	16.4	Rig engine power lever	- **B1** - **B3**			
229	77	16.1	Perform functional test on engine indication system	**A B1** - **B3**			
230	77	16.1	Demonstrate replacement of temperature sensor	- **B1** - **B3**			
231	77	16.3	Perform vacuum pump check	- **B1** - **B3**			
232	78	16.7	Demonstrate turbocharger and waste gate test and adjustment	- **B1** - **B3**			
233	80	16.5	Assist replacement of starter motor	**A B1** - **B3**			
234		**17**	**Propeller (M17)**	**A B1** - **B3**			

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235	61	17.2	Assist in propeller removal / refit	**A B1 - B3**			
236	61	17.4	Demonstrate propeller synchronising procedure with synchrophasing equipment	**- B1 - B3**			
237	61	17.5	Check propeller de-icing system and components	**A B1 - B3**			
238	61	17.6	Perform propeller lubrication	**A B1 - B3**			
239	61	17.6	Check propeller track	**- B1 - B3**			
240	61	17.6	Assist propeller static and dynamic balancing	**- B1 - B3**			
241	61	17.6	Demonstrate adjustment of propeller RPM	**- B1 - B3**			