

AMC to Appendix VIII

“Limited Pilot Owner Maintenance”

1. The lists here below specify items that can be expected to be completed by an owner who holds a current and valid pilot licence for the aircraft type involved and who meets the competence and responsibility requirements of Appendix VIII to Part-M.
2. The list of tasks may not address in a detailed manner the specific needs of the various aircraft categories. In addition, the development of technology and the nature of the operations undertaken by these categories of aircraft cannot be always adequately considered.
3. Therefore, the following lists are considered to be the representative scope of limited Pilot-owner maintenance referred to in M.A.803 and Appendix VIII:
 - Part A applies to aeroplanes;
 - Part B applies to rotorcraft;
 - Part C applies to sailplanes and powered sailplanes;
 - Part D applies to balloons and airships.
4. Inspection tasks/checks of any periodicity included in an approved maintenance programme can be carried out providing that the specified tasks are included in the generic lists of Parts A to D of this AMC and remains compliant with Part-M Appendix VIII basic principles.

The content of periodic inspections/checks as well as their periodicity is not regulated or standardised in an aviation specification. It is the decision of the manufacturer/Type Certificate Holder (TCH) to recommend a schedule for each specific type of inspection/check.

For an inspection/check with the same periodicity for different TCHs, the content may differ, and in some cases may be critically safety-related and may need the use of special tools or knowledge and thus would not qualify for Pilot-owner maintenance. Therefore, the maintenance carried out by the Pilot-owner cannot be generalised to specific inspections such as 50 Hrs, 100 Hrs or 6 Month periodicity.

The Inspections to be carried out are limited to those areas and tasks listed in this AMC to Appendix VIII; this allows flexibility in the development of the maintenance programme and does not limit the inspection to certain specific periodic inspections. A 50 Hrs/6 Month periodic inspection for a fixed wing aeroplane as well as the one-year inspection on a glider may normally be eligible for Pilot-owner maintenance.

TABLES

Note: Tasks in Part A or Part B shown with ** exclude IFR operations following Pilot-owner maintenance. For these aircraft to operate under IFR operations, these tasks should be released by an appropriate licensed engineer.

Part D/PILOT-OWNER MAINTENANCE TASKS for BALLOONS/AIRSHIPS

Area and Task	Hot Air Airship	Hot Air Balloon	Gas Balloon
A) ENVELOPE			
1 - Fabric repairs - excluding complete panels (as defined in, and in accordance with, Type Certificate holders' instructions) not requiring load tape repair or replacement.	Yes	Yes	No
2 - Nose line - Replacement	Yes	N/A	N/A
3 - Banners - fitment, replacement or repair (without sewing).	Yes	Yes	Yes
4 - Melting link (temperature flag) - replacement.	Yes	Yes	N/A
5 - Temperature transmitter and temperature indication cables - removal or reinstallation.	Yes	Yes	N/A
6 - Crown line - replacement (where permanently attached to the crown ring).	No	Yes	N/A
7 - Scoop or skirt-replacement or repair of (including fasteners).	Yes	Yes	N/A
B) BURNER			
8 - Burner - cleaning and lubrication.	Yes	Yes	N/A
9 - Piezo igniters - adjustment.	Yes	Yes	N/A
10 - Burner jets - cleaning and replacement.	Yes	Yes	N/A
11 - Burner frame corner buffers - replacement or reinstallation.	Yes	Yes	N/A
12 - Burner Valves - adjustment of closing valve not requiring special tools or test equipment.	Yes	Yes	N/A
C) BASKET AND GONDOLA			
13 - Basket/gondola frame trim - repair or replacement.	Yes	Yes	Yes
14 - Basket/gondola runners (including wheels) - repair or replacement.	Yes	Yes	Yes
15 - External rope handles - repair.	Yes	Yes	Yes
16 - Replacement of seat covers - upholsteries and safety belts.	Yes	Yes	Yes
D) FUEL CYLINDER			
17 - Liquid valve - replacement of O-rings in the outlet.	Yes	Yes	No
E) INSTRUMENTS AND EQUIPMENT			
18 - Batteries - replacement of for self contained instruments and communication equipment.	Yes	Yes	Yes

Area and Task	Hot Air Airship	Hot Air Balloon	Gas Balloon
19 -Communication, navigation devices, instruments and/or equipment – Remove and replace self contained, instrument panel mounted communication devices with quick disconnect connectors.	Yes	Yes	Yes
F) ENGINES			
20 -Cleaning and Lubrication not requiring disassembly other than removal of non-structural items such as cover plates, cowlings and fairings.	Yes	N/A	N/A
21 -Cowling-removal and re-fitment not requiring removal of the propeller	Yes	N/A	N/A
22 -Fuel and oil strainers and/or filter elements - Removal, cleaning and/or replacement	Yes	N/A	N/A
23 -Batteries - replacing and servicing (excluding servicing of Ni-Cd batteries).	Yes	N/A	N/A
24 -Propeller Spinner – removal and installation for inspection.	Yes	N/A	N/A
25 -Powerplant - Removal or installation of powerplant unit including engine and propeller.	Yes	N/A	N/A
26 -Engine- Chip detectors – remove, check and replace.	Yes	N/A	N/A
27 -Ignition Spark Plug – removal or installation and adjustment including gap clearance.	Yes	N/A	N/A
28 -Coolant fluid - replenishment.	Yes	N/A	N/A
29 -Engine Controls - minor adjustments of non-flight or propulsion controls whose operation is not critical for any phase of flight.	Yes	N/A	N/A
30 -Engine instruments - removal and replacement.	Yes	N/A	N/A
31 -Lubrication oil – changing or replenishment of engine oil and gearbox fluid.	Yes	N/A	N/A
32 -Fuel lines - replacement of prefabricated hoses with self-sealing couplings.	Yes	N/A	N/A
33 -Air filters (if installed) – removal, cleaning and replacement.	Yes	N/A	N/A