

SECTION 12.7 PILOT MAINTENANCE

12.7.1 DEFINITION OF PILOT MAINTENANCE

For the purposes of this manual, pilot maintenance means maintenance mentioned in Part 1 of Schedule 8 of Civil Aviation Regulations (CAR), less items 19 and 25 which do not apply to RAAus listed aircraft.

12.7.2 WHO CAN DO PILOT MAINTENANCE?

A financial member with a current recreational pilot certificate issued by RAAus *for the aircraft group* that is listed (registered) with RAAus, or an appropriately authorised RAAus L2 or higher maintainer, or an appropriately licenced CASA LAME is permitted to conduct pilot maintenance specified in Part 1 of Schedule 8 of CAR, other than items 19 and 25 of the schedule.

NOTE: Such pilot maintenance may only be conducted if the owner or registered operator of the RAAus registered lightweight aeroplane has given permission to conduct the maintenance. CAR Part 4A applies to lightweight aeroplanes, any other maintenance not provided for by Part 1 of Schedule 8 must be performed by an appropriately licensed aircraft engineer or, if applicable, in accordance with instrument [CASA 18/22](#).

12.7.3 GENERAL COMPETENCY RULE

The person carrying out maintenance is responsible for ensuring they are competent and can comply with, the manufacturer's instructions regarding maintenance before undertaking any of the tasks listed below. RAAus strongly recommends guidance be sought by pilots from a relevant RAAus L2 or higher qualified maintainer; or a CASA Part 66 licence holder on the correct aircraft maintenance practices and procedures to be used.

NOTE: The general competency rule applies to all RAAus maintainers and RPC holders.

12.7.4 USE OF CALIBRATED TOOLS

If a tool is to be used that requires calibration, it is the responsibility of the person using the tool to ensure that the tool is within its calibration tolerance and test period. Calibration ensures the accuracy of tools, such as torque wrenches, used to maintain aircraft and aeronautical products.

12.7.5 RECORDING MAINTENANCE

Periodic maintenance that falls due between the date an aircraft is returned to service and the date or TIS that a time lified component or accessory fitted to an aircraft will expire. This information must be recorded in the aircraft maintenance logbook. A MR, if used, may also be used to record this information for the benefit of maintainers, registered operators and the PIC in the "Maintenance Required" column of the aircraft MR. Upon completion of maintenance, the person performing the maintenance is responsible for recording all relevant details and making the appropriate certifications, as required by this Tech Manual in the aircraft maintenance logbook and the "Complied with, entered & certified in Aircraft Logbook" column of the maintenance release if used. The aircraft cannot be returned to service until both maintenance records are updated by the responsible person.

12.7.6 ACTIVITIES COVERED BY THE DEFINITION OF PILOT MAINTENANCE

Provided it does not alter or require a change or disassembly of the primary structure of the aircraft pilot maintenance refers to the:

- a) Removal or installation of landing gear tyres
- b) Repair of pneumatic tubes of landing gear tyres
- c) Servicing of landing gear wheel bearings
- d) Replacement of defective safety wiring or split pins
- e) Replacement of side windows

- f) Replacement of seats
- g) Repairs to upholstery or decorative furnishings inside the cockpit
- h) Replacement of seat belts or harnesses
- i) Replacement or repair of signs and markings
- j) Replacement of bulbs, reflectors, glasses, lenses and lights
- k) Replacement, cleaning, or setting gaps of, spark plugs
- l) Replacement of batteries
- m) Changing oil filters or air filters
- n) Changing engine oil
- o) Lubrication of components
- p) Changing hydraulic fluid
- q) Changing engine coolant
- r) Application of preservative or protective materials
- s) Removal or replacement of glider tow hooks
- t) Carrying out a duplicate inspection of a flight control system that has been assembled, adjusted, repaired, modified or replaced
- u) Carrying out a daily inspection on an aircraft

(CASA Schedule 8 – Pilot Permitted Maintenance – as amended. Refer also to 12.7 para 3)

NOTE: It is recommended that unscheduled pilot maintenance such as some of the items listed above be listed on and certified in the “Complied with, entered & certified in Aircraft Logbook” column of the MR if used.