

SACAA CATS

43.02.2 PERSONS TO CARRY OUT MAINTENANCE

1. Pilots

The maintenance that the holder of a pilot licence, other than a student pilot licence or learner's certificate, with an appropriate rating issued in terms of Part 61 or Part 62 may carry out is limited to the following items on an aeroplane with a maximum certificated mass of 5 700 kg or less or a maximum approved passenger seating configuration of nine seats or a helicopter with a maximum certificated mass of 3 175 kg or less or a maximum approved passenger seating configuration of nine seats:

(1) Emergency/en route maintenance comprising of the following, provided that only approved materials, parts and components are used:

- (a) changing of tyres and tubes and repairing punctures;
- (b) servicing landing gear shock struts with air;
- (c) correcting defective locking wire and split pins;
- (d) replenishing hydraulic fluid in the hydraulic fluid reservoir;
- (e) small simple repairs to fairings, non-structural cover plates and cowlings by means of stop drilling cracks and fitting small patches or reinforcements which will not change contours or interfere with proper airflow;
- (f) replacing side windows where such work does not interfere with the primary system;
- (g) replacing safety belts;

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- (h) replacing seats or seat parts where such work does not involve any removal, dismantling or interference with a primary structure system;
- (i) replacing pre-fabricated fuel and oil lines, provided that a fuel flow check is carried out in accordance with TS 43.02.8, Section A.2(6) "fuel flow checks";
- (j) replacing any electrical bulb, reflector, lens or fuse of navigation and landing lights;
- (k) replacing or cleaning spark plugs and setting spark plug gaps;
- (l) cleaning fuel and oil strainers;
- (m) replacing batteries and checking fluid level and specific gravity;
- (n) replacing tail wheels and tail-wheel springs;

(o) changing engine oil;

(p) removing and installing such dual controls as is designed for easy removal and installation;

(q) replacing the following instruments by others of the same type which have such markings as may be indicated in the appropriate owners manual: (i) airspeed indicator;

(ii) altimeter;

(iii) engine speed indicator for each engine;

(iv) oil pressure gauge for each engine; and

(v) fuel contents gauge,

Provided that a pitot static check is carried out in accordance with TS 43.02.9 for subparagraphs (i) and (ii) above;

(2) Whenever it is necessary to carry out maintenance of this nature, the pilot must –

(a) notify the aircraft maintenance organisation or aircraft maintenance engineer normally responsible for the maintenance of the aircraft to assist

in –

(i) supplying parts, if required;

(ii) giving technical advice;

(iii) supplying maintenance publications, where required; and

(b) ensure that any maintenance work done, is correctly recorded in the aircraft flight folio, including particulars of –

(i) maintenance publications referred to;

(ii) parts replaced (serial numbers where applicable);

(iii) parts repaired; and

(iv) tests carried out (if applicable).

(3) Entries in the aircraft flight folio must be accompanied by the pilot's signature, licence number and the date of entry.

(4) Unless the pilot is the holder of an aircraft maintenance engineer licence with an appropriate rating, such pilots may on no account sign an aircraft logbook in the column intended for the signature of the holder of an aircraft maintenance engineer licence or aircraft maintenance organisation approval.

NTCA

44.01.4 Persons to carry out maintenance

(1) Line maintenance comprising of the following may be carried out by the owner of a non-type certificated aircraft provided that only approved materials, parts and components are used:

- (a) changing of tyres and tubes and repairing of punctures;
- (b) servicing landing gear shock struts with air;
- (c) correcting defective locking wire and split pins;
- (d) replenishing hydraulic fluid in the hydraulic fluid reservoir;
- (e) small simple repairs to fairings, non-structural cover plates and cowlings by means of stop drilling cracks and fitting small patches or reinforcements which will not change contours or interfere with proper airflow;
- (f) replacing side windows where such work does not interfere with the primary system;
- (g) replacing safety belts;
- (h) replacing seats or seat parts where such work does not involve any removal, dismantling or interference with a primary structure system;
- (i) replacing pre-fabricated fuel and oil lines, provided that a fuel flow check is subsequently carried out;
- (j) replacing any electrical bulb, reflector, lens or fuse of navigation and landing lights;
- (k) replacing or cleaning spark plugs and setting spark plug gaps;
- (l) cleaning fuel and oil strainers;
- (m) replacing batteries and checking fluid level and specific gravity;
- (n) replacing tail wheels and tail-wheel springs;
- (o) changing engine oil;