

## **§ 43.3 Persons authorized to perform maintenance, preventive maintenance, rebuilding, and alterations.**

**(a)** Except as provided in this section and § 43.17, no person may maintain, rebuild, alter, or perform preventive maintenance on an aircraft, airframe, aircraft engine, propeller, appliance, or component part to which this part applies. Those items, the performance of which is a major alteration, a major repair, or preventive maintenance, are listed in appendix A.

**(b)** The holder of a mechanic certificate may perform maintenance, preventive maintenance, and alterations as provided in Part 65 of this chapter.

**(c)** The holder of a repairman certificate may perform maintenance, preventive maintenance, and alterations as provided in part 65 of this chapter.

**(d)** A person working under the supervision of a holder of a mechanic or repairman certificate may perform the maintenance, preventive maintenance, and alterations that his supervisor is authorized to perform, if the supervisor personally observes the work being done to the extent necessary to ensure that it is being done properly and if the supervisor is readily available, in person, for consultation. However, this paragraph does not authorize the performance of any inspection required by Part 91 or Part 125 of this chapter or any inspection performed after a major repair or alteration.

**(e)** The holder of a repair station certificate may perform maintenance, preventive maintenance, and alterations as provided in Part 145 of this chapter.

**(f)** The holder of an air carrier operating certificate or an operating certificate issued under Part 121 or 135, may perform maintenance, preventive maintenance, and alterations as provided in Part 121 or 135.

**(g)** Except for holders of a sport pilot certificate, the holder of a pilot certificate issued under part 61 may perform preventive maintenance on any aircraft owned or operated by that pilot which is not used under part 121, 129, or 135 of this chapter. The holder of a sport pilot certificate may perform preventive maintenance on an aircraft owned or operated by that pilot and issued a special airworthiness certificate in the light-sport category.

**(h)** Notwithstanding the provisions of paragraph (g) of this section, the Administrator may approve a certificate holder under Part 135 of this chapter, operating rotorcraft in a remote area, to allow a pilot to perform specific preventive maintenance items provided -

**(1)** The items of preventive maintenance are a result of a known or suspected mechanical difficulty or malfunction that occurred en route to or in a remote area;

**(2)** The pilot has satisfactorily completed an approved training program and is authorized in writing by the certificate holder for each item of preventive maintenance that the pilot is authorized to perform;

**(3)** There is no certificated mechanic available to perform preventive maintenance;

**(4)** The certificate holder has procedures to evaluate the accomplishment of a preventive maintenance item that requires a decision concerning the airworthiness of

the [rotorcraft](#); and

**(5)** The items of [preventive maintenance](#) authorized by this section are those listed in paragraph (c) of appendix A of this part.

**(i)** Notwithstanding the provisions of [paragraph \(g\)](#) of this section, in accordance with an approval issued to the holder of a certificate issued under part 135 of this chapter, pilot of an [aircraft](#) type-certificated for 9 or fewer passenger seats, excluding any pilot seat, may perform the removal and reinstallation of approved [aircraft](#) cabin seats, approved cabin-mounted stretchers, and when no tools are required, approved cabin-mounted medical oxygen bottles, provided -

**(1)** The pilot has satisfactorily completed an approved training program and is authorized in writing by the certificate holder to perform each task; and

**(2)** The certificate holder has written procedures available to the pilot to evaluate the accomplishment of the task.

**(j)** A manufacturer may -

**(1)** Rebuild or alter any [aircraft](#), [aircraft engine](#), [propeller](#), or [appliance](#) manufactured by him under a type or production certificate;

**(2)** Rebuild or alter any [appliance](#) or part of [aircraft](#), [aircraft](#) engines, propellers, or [appliances](#) manufactured by him under a Technical Standard Order Authorization, an FAA-Parts Manufacturer Approval, or Product and Process Specification issued by the [Administrator](#); and

**(3)** Perform any inspection required by part 91 or [part 125](#) of this chapter on [aircraft](#) it manufactured under a type certificate, or currently manufactures under a production certificate.

**(k)** Updates of databases in installed avionics meeting the conditions of this paragraph are not considered [maintenance](#) and may be performed by pilots provided:

**(1)** The database upload is:

**(i)** Initiated from the flight deck;

**(ii)** Performed without disassembling the avionics unit; and

**(iii)** Performed without the use of tools and/or special equipment.

**(2)** The pilot must comply with the certificate holder's procedures or the manufacturer's instructions.

**(3)** The holder of operating certificates must make available written procedures consistent with manufacturer's instructions to the pilot that describe how to:

**(i)** Perform the database update; and

**(ii)** Determine the status of the data upload.

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