

# Airworthiness Requirements

TEST PREP

1

An aircraft had a 100-hour inspection when the tachometer read 1259.6. When is the next 100-hour inspection due?

- a. 1369.6 hours.
- b. 1359.6 hours.
- c. 1349.6 hours.

2

A chair-type parachute must have been packed by a certificated and appropriately rated parachute rigger within the preceding

- a. 180 days.
- b. 90 days.
- c. 60 days.

3

Where may an aircraft's operating limitations be found if the aircraft has an Experimental or Special light-sport airworthiness certificate?

- a. In the aircraft airframe and engine logbooks.
- b. Attached to the Airworthiness Certificate.
- c. In the current, FAA-approved flight manual.

4

When must the battery in an emergency locator transmitter (ELT) be replaced (or recharged if the battery is rechargeable)?

- a. During each annual and 100-hour inspection.
- b. After one-half the battery's useful life.
- c. Every 24 calendar months.

5

How long does the Airworthiness Certificate of an aircraft remain valid?

- a. As long as the aircraft has a current Registration Certificate.
- b. Indefinitely, unless the aircraft suffers major damage.
- c. As long as the aircraft is maintained and operated as required by Federal Aviation Regulations.

6

To determine the expiration date of the last annual aircraft inspection, a person should refer to the

- a. aircraft maintenance records.
- b. Registration Certificate.
- c. Airworthiness Certificate.

7

Which operation would be described as preventive maintenance?

- a. Engine adjustments to allow automotive gas to be used.
- b. Alteration of main seat support brackets.
- c. Servicing landing gear wheel bearings.

8

If an alteration or repair substantially affects an aircraft's operation in flight, that aircraft must be test flown by an appropriately-rated pilot and approved for return to service prior to being operated

- a. for compensation or hire.
- b. by any private pilot.
- c. with passengers aboard.

9

Who is responsible for determining if an aircraft is in condition for safe flight?

- a. The owner or operator.
- b. The pilot in command.
- c. A certificated aircraft mechanic.

10

After purchasing an airplane from a dealer, is it legal to fly away using the dealer's aircraft registration?

- a. No, the airplane must be first registered to the new owner.
- b. Yes, the airplane can be flown for 30 days using the previous registration.
- c. Yes, but only for the purpose of flying the airplane to the owner's home airport.

11

What aircraft inspections are required for rental aircraft that are also used for flight instruction?

- a. Biannual condition and 100-hour inspections.
- b. Annual condition and 100-hour inspections.
- c. Annual condition and 50-hour inspections.

12

May a pilot operate an aircraft that is not in compliance with an Airworthiness Directive (AD)?

- a. Yes, AD's are only voluntary.
- b. Yes, if allowed by the AD.
- c. Yes, under VFR conditions only.

13

Which is normally prohibited when operating a restricted category civil aircraft?

- a. Flight within Class D airspace.
- b. Flight over a densely populated area.
- c. Flight under instrument flight rules.

14

How often must the aircraft's ELT be inspected?

- a. Within 24 calendar months of the last inspection
- b. Every two years
- c. Within 12 calendar months of the last inspection

15

Which operation would be described as preventive maintenance?

- a. Repair of portions of skin sheets by making additional seams.
- b. Repair of landing gear brace struts.
- c. Replenishing hydraulic fluid.

16

What is/are the aircraft inspection requirement(s) when receiving dual instruction in a rental airplane at a flight school?

- a. 100-hour inspection
- b. Annual Inspection
- c. Annual inspection and a 100-hour inspection

17

Who is responsible for ensuring appropriate entries are made in maintenance records indicating the aircraft has been approved for return to service?

- a. Repair station.
- b. Certified mechanic.
- c. Owner or operator.

18

Preventive maintenance has been performed on an aircraft. What paperwork is required?

- a. A full, detailed description of the work done must be entered in the airframe logbook.
- b. The date the work was completed, and the name of the person who did the work must be entered in the airframe and engine logbook.
- c. The signature, certificate number, and kind of certificate held by the person approving the work and a description of the work must be entered in the aircraft maintenance records.

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Which records or documents shall the owner or operator of an aircraft keep to show compliance with an applicable Airworthiness Directive?

- a. Airworthiness and Registration Certificates.
- b. Airworthiness Certificate and Pilot's Operating Handbook.
- c. Aircraft maintenance records.

20

No person may use an ATC transponder unless it has been tested and inspected within at least the preceding

- a. 24 calendar months.
- b. 6 calendar months.
- c. 12 calendar months.

21

Unless otherwise specifically authorized, no person may operate an aircraft that has an experimental certificate

- a. over a densely populated area or in a congested airway.
- b. beneath the floor of Class B airspace.
- c. from the primary airport within Class D airspace.

22

The responsibility for ensuring that maintenance personnel make the appropriate entries in the aircraft maintenance records indicating the aircraft has been approved for return to service lies with the

- a. owner or operator.
- b. mechanic who performed the work.
- c. pilot in command.

23

Completion of an annual condition inspection and the return of the aircraft to service should always be indicated by

- a. an appropriate notation in the aircraft maintenance records.
- b. an inspection sticker placed on the instrument panel that lists the annual inspection completion date.
- c. the relicensing date on the Registration Certificate.

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Who may perform preventive maintenance on an aircraft and approve it for return to service?

1. Student or Recreational pilot.
2. Private or Commercial pilot.
3. None of the above.
  - a. 1.
  - b. Neither 1 or 2.
  - c. 2.

25

Who is primarily responsible for maintaining an aircraft in airworthy condition?

- a. Mechanic.
- b. Owner or operator.
- c. Pilot-in-command.

26

What is/are the aircraft inspection requirement(s) when receiving dual flight instruction in your own airplane?

- a. Annual inspection
- b. 100-hour inspection
- c. Annual inspection and a 100-hour inspection

27

Maintenance records show the last transponder inspection was performed on September 1, 2014. The next inspection will be due no later than

- a. September 1, 2016.
- b. September 30, 2015.
- c. September 30, 2016.

28

What should an owner or operator know about Airworthiness Directives (AD's)?

- a. For Informational purposes only.
- b. They are mandatory.
- c. They are voluntary.

29

When must batteries in an emergency locator transmitter (ELT) be replaced or recharged, if rechargeable?

- a. When the ELT can no longer be heard over the airplane's communication radio receiver.
- b. After any inadvertent activation of the ELT.
- c. When the ELT has been in use for more than 1 cumulative hour.

30

Where should a private pilot record preventive maintenance action performed on an airplane?

- a. No record-keeping is required.
- b. Pilot flight logbooks
- c. Maintenance logbooks

31

How long is a Certificate of Aircraft Registration valid for?

- a. 3 years after it was issued.
- b. Indefinitely, as long the airplane is not sold to another person.
- c. 7 years after the last day of the month it was issued.

32

Who is responsible for ensuring Airworthiness Directives (AD's) are complied with?

- a. Repair station.
- b. Owner or operator.
- c. Mechanic with inspection authorization (IA).

33

An aircraft's annual condition inspection was performed on July 12, this year. The next annual inspection will be due no later than

- a. July 31, next year.
- b. July 1, next year.
- c. July 13, next year.



34

What regulation allows a private pilot to perform preventive maintenance?

- a. 14 CFR Part 43.7.
- b. 14 CFR Part 91.403.
- c. 14 CFR Part 61.113.

35

An aircraft's annual inspection was performed on July 12, this year. The next annual inspection will be due no later than

- a. July 13, next year.
- b. July 31, next year.
- c. July 1, next year.

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A 100-hour inspection was due at 3302.5 hours. The 100-hour inspection was actually done at 3309.5 hours. When is the next 100-hour inspection due?

- a. 3402.5 hours.
- b. 3312.5 hours.
- c. 3395.5 hours.