

Pre-flight Checklist

- Fitness for Flight ¹:

- ☐ **Illness:** Is the pilot suffering from any illness or symptom of an illness which might affect them in flight?
- ☐ **Medication:** Is the pilot currently taking any drugs (prescription or over-the-counter)?
- ☐ **Stress:** Is the pilot overly worried about other factors in their life?
- ☐ **Alcohol:** 0.04 BAC, any consumption in the past 8 hours
- ☐ **Fatigue:** Has the pilot had sufficient sleep and adequate nutrition?
- ☐ **Emotion:** Has the pilot fully recovered from any extremely upsetting events?

- Personal Minimums Checklist:

- ☐ **Pilot:** T/Os & LDGs in make/model, Hours in make/model, Physical condition
- ☐ **Aircraft:** Fuel Reserves, Performance, Equipment
- ☐ **EnVironment:** Airport Conditions; Weather; Flight Category
- ☐ **Extenal Pressures:** Delays; Alternates; Personal equipment

- Required Equipment (Day VFR)²:

- | | |
|---|---|
| <input type="checkbox"/> Anti-Collision light system, flashing red or white for small airplanes certificated after March 11, 1996. | <input type="checkbox"/> Landing gear position indicator, if the airplane has retractable gear |
| <input type="checkbox"/> Tachometer for each engine | <input type="checkbox"/> Airspeed indicator |
| <input type="checkbox"/> Oil pressure gauge | <input type="checkbox"/> Magnetic direction indicator |
| <input type="checkbox"/> Manifold Pressure gauge | <input type="checkbox"/> Emergency locator transmitter, after June 21 1995. Batteries used in the ELT must be replaced (or recharged, if the batteries are rechargeable) when the transmitter has been in use for more than 1 cumulative hour; or when 50 percent of their useful life (or, for rechargeable batteries, 50 percent of their useful life of charge) has elapsed. ³ |
| <input type="checkbox"/> Altimeter | <input type="checkbox"/> Safety belts (and shoulder harnesses for each front seat in an aircraft manufactured after July 18, 1978, all seats after December 12 1986) |
| <input type="checkbox"/> Temperature gauge, for each liquid cooled engine | |
| <input type="checkbox"/> Oil Temperature gauge, for each air cooled engine | |
| <input type="checkbox"/> Fuel gauge indicating the quantity in each tank | |
| <input type="checkbox"/> Flotation gear, if operated for hire over water beyond power-off gliding distance | |

¹AIM: 8-1-1 Fitness for Flight

²14 CFR 91.205 (a) - Powered civil aircraft with standard category U.S. airworthiness certificates: Instrument and equipment requirements.

³14 CFR 91.207 - Emergency locator transmitters.

- Required Equipment (Night VFR)⁴:
 - ☐ Fuses, or circuit breakers
 - ☐ Landing lights, if operated for hire
 - ☐ Anti-collision lights, flashing red or white, for all night operations
 - ☐ Position lights, steady green, white and red.
 - ☐ Source of power (battery or alternator)
- Required Maintenance:
 - ☐ Annual Inspection within the preceding 12 calendar months. (Progressive Insp. # 4)⁵
 - ☐ Airworthiness directives and life-limited parts complied with as required.⁶⁷
 - ☐ AD-93-05-06 : Ignition Switch Inspection, 2000 Hours
 - ☐ AD 2015-19-07 : Fuel Injector Line Inspection (Every progressive insp.).
 - ☐ VOR equipment check every 30 days, for IFR operations. At a VOR testing location maximum permissible error $\pm 4^\circ$. Airborne check maximum permissible error $\pm 6^\circ$.⁸
 - ☐ 100-hour inspection, if used for hire or flight instruction in aircraft provided by CFI. (Every progressive event acts as a 100h inspection)⁹
 - ☐ Altimeter, altitude reporting equipment, and static pressure systems tested and inspected, for IFR operations, every 24 calendar months.¹⁰
 - ☐ Transponder tests and inspections every 24 calendar months.¹¹
 - ☐ ELT, operation and battery condition inspected every 12 calendar months.¹²
- Required Documents:
 - ☐ Airworthiness Certificate displayed at the cabin or cockpit entrance so that it is legible to passengers or crew. ¹³
 - ☐ Registration Certificate ¹⁴
 - ☐ Restricted radiotelephone Operator Permit (pilot) & Radio Station License (aircraft) - intl' only.
 - ☐ Operating Limitations: AFM/POH, placards and markings.¹⁵ This includes a compass deviation card¹⁶ and an external data plate/serial number.¹⁷
 - ☐ Weight and balance, and performance data. ¹⁸¹⁹

⁴14 CFR 91.205 (c) - Powered civil aircraft with standard category U.S. airworthiness certificates: Instrument and equipment requirements.

⁵14 CFR 91.409 - Inspections.

⁶14 CFR 91.403 - General.

⁷14 CFR 91.417 - Maintenance records.

⁸14 CFR 91.171 - VOR equipment check for IFR operations.

⁹14 CFR 91.409 - Inspections.

¹⁰14 CFR 91.411 - Altimeter system and altitude reporting equipment tests and inspections.

¹¹14 CFR 91.413 - ATC transponder tests and inspections.

¹²14 CFR 91.207 - Emergency locator transmitters.

¹³14 CFR 91.203 - Civil aircraft: Certifications required. (a.1,b)

¹⁴14 CFR 91.203 - Civil aircraft: Certifications required. (a.2)

¹⁵14 CFR 91.9 - Civil aircraft flight manual, marking, and placard requirements.

¹⁶14 CFR 23.1547 - Magnetic direction indicator.

¹⁷14 CFR 45.11 - Marking of products.

¹⁸14 CFR 23.1589 - Loading information.

¹⁹14 CFR 91.103 - Preflight action