



# Aircraft Ground Review Checklist

*All aircraft documents may be used for this review*

*This form is to be used as an aid in reviewing FAR Part 91, fundamental specifications, mechanical systems, and procedures of the aircraft that is being flown. All questions may not be applicable to aircraft. Utilize all available aircraft documents to aid in this review, i.e., Owner's Manual, placards, markings or listings. After completion of this review, this form should remain the property of the pilot for his reference.*

PILOT \_\_\_\_\_ Date \_\_\_\_\_

Aircraft Make and Model: \_\_\_\_\_

1. What is the total fuel capacity? \_\_\_\_\_ How many tanks are there? \_\_\_\_\_ What is the capacity of each tank? \_\_\_\_\_
2. What is the total usable fuel capacity? \_\_\_\_\_ (gal.)
3. What is the correct fuel grade? \_\_\_\_\_ Color? \_\_\_\_\_
4. Where are the fuel drains located? \_\_\_\_\_
5. When are they drained? \_\_\_\_\_
6. What is the recommended grade and type of oil? \_\_\_\_\_
7. What is the minimum operating oil level? \_\_\_\_\_
8. What is the aircraft empty weight? \_\_\_\_\_
9. What is the useful load? \_\_\_\_\_
10. What is the maximum aircraft takeoff gross weight? \_\_\_\_\_
11. What is the maximum aircraft landing weight? \_\_\_\_\_
12. What is the center of gravity range? \_\_\_\_\_  
(use maximum gross weight and work sample weight and balance)
13. What is the recommended short field approach air speed and configuration? \_\_\_\_\_
14. What are the recommended soft field take off and landing procedures? \_\_\_\_\_
15. What is the recommended normal approach airspeed? \_\_\_\_\_
16. What is the best rate of climb speed ( $V_Y$ )? \_\_\_\_\_
17. What is the best angle of climb speed ( $V_X$ )? \_\_\_\_\_
18. What is the maneuvering speed ( $V_a$ )? \_\_\_\_\_
19. What effect does reducing gross weight have upon maneuvering speed? \_\_\_\_\_
20. What is the maximum speed for landing gear extension? \_\_\_\_\_
21. What is the stall airspeed in landing configuration (VSO)? \_\_\_\_\_
22. What is the stall airspeed in landing configuration with a 60° bank? \_\_\_\_\_
23. What is the maximum crosswind component for your aircraft (20% VSO)? \_\_\_\_\_
24. What is the purpose of flaps? \_\_\_\_\_

25. What is the minimum control speed with the "critical engine" inoperative (V<sub>mc</sub>)? \_\_\_\_\_
26. What are the unsafe gear indications? \_\_\_\_\_  
\_\_\_\_\_
27. What is the procedure for emergency gear extension? \_\_\_\_\_  
\_\_\_\_\_
28. How do you detect carburetor ice? \_\_\_\_\_  
In the event of carburetor ice what do you do? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
29. What is the power setting, fuel consumption, and true airspeed for the following:  
a. 65% power, 7,500 feet, standard temperature.  
Manifold Pressure: \_\_\_\_\_ RPM: \_\_\_\_\_  
Fuel Consumption: \_\_\_\_\_ TAS: \_\_\_\_\_
30. What would be the indication of alternator or generator malfunction on your aircraft? \_\_\_\_\_
31. Where is the alternate static source on your aircraft located? \_\_\_\_\_  
What changes in pilot-static instruments would you expect if you were using 'alternate static source'? \_\_\_\_\_  
\_\_\_\_\_
32. Describe the "Go Around" procedure: \_\_\_\_\_  
\_\_\_\_\_
33. What is the minimum runway length for takeoff in your aircraft? \_\_\_\_\_  
Max. gross weight, no wind, sea level, standard temperature? \_\_\_\_\_  
Max. gross weight, no wind, 5,000 ft., 100° temperature, 50 ft. obstacle? \_\_\_\_\_
34. When are your passengers required to have their seatbelts fastened? \_\_\_\_\_
35. What aircraft documents must be onboard during flight? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
36. What are the basic VFR weather minimums for flight in a control zone? Ceiling \_\_\_\_\_  
Visibility \_\_\_\_\_
37. VFR cruising altitudes are required above what minimum altitude? \_\_\_\_\_
38. What inspections are required on your aircraft? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reviewed by: \_\_\_\_\_

Instructor

# FLIGHT REVIEW CHECKLIST



ALL AIRCRAFT EQUIPMENT MAY BE USED FOR THIS REVIEW

This form is to be used as an aid in conducting a flight review. All significant maneuvers are listed; however, individual situations will dictate which ones will be explored with the participating pilot. After completion of the flight review, the form should remain with the pilot for his reference.

STUDENT \_\_\_\_\_ TIME IN \_\_\_\_\_  
 INSTRUCTOR \_\_\_\_\_ DATE \_\_\_\_\_ TIME OUT \_\_\_\_\_  
 AIRCRAFT NO.N \_\_\_\_\_ MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ HP \_\_\_\_\_  
 PILOT HOURS: TOTAL \_\_\_\_\_ DUAL \_\_\_\_\_ SOLO \_\_\_\_\_

	GOOD	ACCEPTABLE	RUSTY	INSTRUCTOR REMARKS
Flight Planning				
Engine starting and warmup				
Taxiing				
Preflight runup & use of checklist				
Normal Takeoffs				
Crosswind Takeoffs				
Normal climb				
Level off				
Straight & level flying				
Use of trim				
Ground track & ground Reference maneuvers:  Rectangular courses "S" turns across a road Turns about a point Pylon eights.				
Coordination & Planning Exercise:  Slips. Medium & Steep turns to specific headings. Chandelles. Lazy eights.				
Maximum Performance maneuvers:  Slow flight. Stall recognition and recovery.				
Emergency operations				
Attitude instrument flying:  Straight & level. Climbs, turns, & descents Unusual attitude recoveries.				
Traffic patterns.				
Normal landings.				
Crosswind landings.				
Soft field takeoffs & landings.				
Short field takeoffs & landings				

	GOOD	ACCEPTABLE	RUSTY	INSTRUCTOR REMARKS
Maximum Performance maneuvers:				
Slow flight.				
Stall recognition & recovery.				
Use of flaps.				
Use of radio for communications.				
Use of radio for navigation.				
Pilotage.				
Smoothness on controls.				
Looking around for other aircraft.				
Shutdown and parking procedures.				

REMARKS\_\_\_\_\_

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Signature of Pilot

Signature of SKY = SAFE Instructor