

Trade Winds Aviation
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Remos GX (Aviator II Package) Ground Review Checklist

All available aircraft documents, such as Pilot Operating Handbook, Weight & Balance Data, Checklists, etc. can be used to complete this worksheet. After completion and review by Instructor, a copy should be made for the pilot's reference. The original should be placed in the pilot's record folder.

Pilot: _____ Aircraft Data Used: _____

Date: _____

1. How many fuel tanks are there? _____ What is the fuel capacity? _____ Total Gallons _____ Usable Gallons.
2. Where are the fuel level indicators (3x)? _____
3. What is the correct fuel grade? _____ Color? _____
5. How many fuel drains and where are they located?

7. What is the recommended type and weight of oil? _____
8. What is the minimum oil level? _____
9. What is the recommended type of coolant fluid? _____
10. What is the minimum coolant level? _____
11. What is the aircraft empty weight? _____
12. What is the useful load? _____
13. What is the maximum gross takeoff weight? _____
14. What is the minimum flying weight? _____
15. What is the maximum baggage capacity? _____
16. What is the center of gravity range at max gross weight? _____
17. What type of engine does this aircraft have?

18. What is the normal engine starting procedure?

19. How does the start procedure differ if engine is warm? _____
20. If engine is flooded, how do you start it?

21. What indicates an alternator malfunction?

22. What steps should be taken if the alternator has failed?

23. Elaborate on occasions when the oil temp control knob needs adjustment.

24. What pre-flight action must be taken specifically on the first flight of the day?

25. What type of ignition system does the engine have? Explain some major characteristics.

26. What type of propeller does the aircraft have? When and how can it be adjusted if possible?

27. How do you reset the fuel totalizer?

28. How can the units on the upper inside of the PFD (next to IAS and ALT) be changed?

29. Where is the Hobbs meter? _____
30. How do you bring up the HSI on the PFD? _____
31. Where is DA displayed?

32. After engine start, what must be done with the choke?

33. How do you visually inspect the aileron connections within the cabin?

34. Are the rudder pedals adjustable? _____
35. How is the seat position changed? How many positions are there?

36. How do you set IAS / ALT “bugs”?

37. How do you bring up the flight timer on the MFD?

38. What are the two ways to adjust the barometric pressure setting on the PFD?

39. How do you bring up the menu softkeys on the PFD / MFD?

40. How do you reset the trip timer?

41. How are the flaps actuated?

42. Where is TAS displayed?

43. How many modes are available on the NAV radios?

44. List the steps required to fly direct to an airport using the GPS:

45. How can you find the nearest airport using the GPS and direct to it?

46. Where is the GPS/NAV annunciator button and what is it used for?

47. How can you determine the floor and ceiling of class B and C airspace on the Garmin 496?

48. What is the Go-Around procedure?

49. **List the following speeds (KTAS):**

Rotation _____ Normal Climb _____

Best Rate Climb _____ Best Angle Climb _____

Green Arc Range _____ Yellow Arc Range _____

Never Exceed _____ Normal Approach _____

Short Field Approach _____ Soft Field Approach _____

Stall: Takeoff configuration _____ Stall: Landing Configuration _____

Flap operating range _____ Stall; flaps down, 40° bank _____

Demonstrated crosswind _____ Maneuvering speed _____ @ max gross weight _____ @ 1100bs.

Best glide _____ Max Level Flight (V_H) _____

50. What effect does reducing gross weight have upon maneuvering speed?

51. **Given the following: 5000 RPM, standard temperature, full tanks:**

Range _____ TAS _____

Fuel consumption _____ Endurance _____

52. **What is the takeoff distance over a 50-foot obstacle under the following conditions:**

Gross takeoff weight, no wind, sea level, and standard temperature? _____

Gross takeoff weight, no wind, 5000 ft. pressure altitude, 100° F temp? _____

53. **What is the landing distance over a 50-foot obstacle under the following conditions:**

Gross takeoff weight, no wind, sea level, 85° F temp? _____

54. What documents must be on board the aircraft to be operated legally?

55. When are the following inspections due on the aircraft:

Annual _____ Altimeter/Static Check

Progressive _____ Transponder Check

ELT Inspection _____ ELT Battery

Reviewed By: _____