



POH REVIEW & QUESTIONNAIRE

The purpose of this questionnaire is to aid the pilot in their understanding of the aircraft he/she flies. Although no attempt is made to cover in depth all the information contained in the typical Owners Manual or AFM, this questionnaire will provide a review of the basic information a pilot should know before taking off on a cross country flight. This questionnaire along with the ground instruction you will receive and your continued review of the Owners Manual will maintain a high degree of aircraft knowledge and safety.

NAME: _____ DATE : _____

AIRMEN'S CERTIFICATE NUMBER _____

MEDICAL CERTIFICATE /TYPE/EXPIRATION DATE: _____

CERTIFICATIONS/RATINGS: _____

TOTAL TIME: _____ LAST 90 DAY'S _____ TIME IN MAKE/MODEL _____

DATE OF LAST FLIGHT REVIEW _____

MAKE: _____

MODEL: _____

NOTE: AT THIS TIME WE REQUEST THAT ANY PILOT WHO HAS NOT YET COMPLETED MID ISLAND'S "PERSONAL LIMITATIONS CHECKLIST ", PLEASE COMPLETE ONE NOW.

AIRCRAFT	CHECK OUT DATE	A/C FLT TIME	IPC	AUTHORIZATIONS CHECK IF OK	
				DAY VFR	
				NITE VFR	
				DAY IFR	
				NITE IFR	

DATE OF COMPLETION _____

CFI SIGNATURE AND CERT. # _____

ADDITIONAL A/C APPROVED FOR FLIGHT: _____

EXPLANATIONS

COMMENTS _____

LIMITATIONS: _____

(EXAMPLE: NO NIGHT)



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1. What is the normal climb-out speed ? _____
2. What is the best rate of climb speed? _____
3. What is the best angle of climb speed? _____
4. What is the maximum flap extended speed? _____
5. What is the maximum gear down speed? _____
6. What is the stall speed in a normal landing configuration? _____
7. What is the clean stall speed? _____
8. What is the approach to landing speed? _____
9. What is the design maneuvering speed? _____
10. What is the redline speed? _____
11. What engine off glide speed will give you the maximum range? _____
12. (MULTI-ENGINE ONLY) What is VMC? _____
13. What is the make/model And horsepower of the engine(s)? _____
14. What is estimated TAS at 5000'(22,000'For HI-ALT) Aircraft and the fuel burn at 65% power? _____
15. What RPM or combination of RPM and Manifold Pressure yields 65% power at 5,000ft?

16. How many gallons of fuel will be used at top of climb to 5,000ft? _____
17. How many gallons of usable fuel can you carry? _____
18. Given a 3.5 Hour trip at 65% power with all seats filled and 75 Lbs of baggage, what is your usable fuel capacity? _____ Are you within the weight & balance? _____
19. Where are the tanks located and what are their capacities? _____
20. How do you drain the fuel sumps? _____
21. MULTIENGINE ONLY: In the event an engine fails, can all on board fuel be fed to the running engine? IF YES EXPLAIN

22. What is the octane rating of the fuel used by this aircraft? _____
23. What weight of oil is being used? _____





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24. Is the landing gear fixed, manual, electric, or hydraulic? _____ IF retractable what is the backup system for lowering the gear? _____

25. What is the voltage of the electrical system? STARTING _____ NORMAL _____
What is the primary power source? _____ does it use a generator or an alternator? _____

26. How can you verify that your alternator is working prior to takeoff? _____

27. What is the demonstrated crosswind component for this aircraft? _____

28. How many people will the plane carry safely with full fuel? _____

29. What is the maximum allowable weight the aircraft can carry in the baggage compartment(s)? _____

30. With full fuel (_____ gallons), what is your available passenger payload with no luggage? _____

31. What takeoff distance is required to clear a 50ft. obstacle at maximum gross weight at of 5,000 ft, OAT 75° F, no wind, hard surface? _____

32. What takeoff distance is required to clear a 50ft. obstacle at maximum gross weight at of 5,000 ft, OAT 100° F, no wind, hard surface? _____

33. Would high humidity increase or decrease the above distance? _____

34. How do you find the pressure altitude? _____

35. What is your maximum allowable useful load? (Check the aircraft weight & Balance) _____

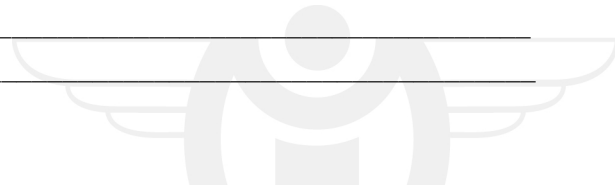
36. Where can you find an FSS phone number? _____

37. List two frequencies you can use to contact the FSS: TRANSMIT / RECEIVE _____

38. What is the emergency frequency? _____

39. When advancing power with a constant speed prop aircraft - explain the required procedure? _____

40. Explain the meaning of thermo shock and super cooling? _____





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- 41. Explain the technique to avoid thermo shock and super cooling? _____

- 42. What is the normal climb power and airspeed? _____
- 43. Explain the procedure for using external power to power the aircraft . Where is the battery located? _____
- 44. What are the uses of the electric boost pump? _____

- 45. Does manifold pressure decrease as you climb: YES____ NO____ with this aircraft?
- 46. What does density altitude mean to performance? _____

- 47. How would you estimate inflight visibility? _____
- 48. How would fly a 3 degree visual approach to an airport? _____

- 49. What is the meaning of an airport's "ARP"? _____
- 50. What services can an approach controller provide a pilot? _____

- 51. What is the procedure for leaning using the EGT/TIT indicator? _____

- 52. What is the best power EGT setting? _____
- 53. What is the "normal" operating oil temperature for this aircraft? _____°
- 54. I f your oil temperature increases beyond normal, what else should you be checking?____

- 55. Do you know if this aircraft has a winterization plate? _____
- 56. Do you know the purpose of a winterization plate? _____
- 57. Do you know when it should be installed? _____ Removed? _____
- 58. What is the minimum field length to operate this aircraft per MIAS policy _____ '
- 59. What is the minimum field length on a 90° day? _____
- 60. What is the minimum runway width required to operate a MIAS aircraft? _____ '

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