

Turbo Charger Familiarization & Check Out Quiz

	Date:
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	ver the following questions, you will need a Pilots Information Manual, Pilots Cockpit Reference and Sporty's Advanced Equipment DVD.
1.	Describe the basic operation of a turbocharger
2.	Explain turbo-boosting versus turbo-normalizing
3. 4.	What is a wastegate?
5.	What precautions must be taken with a manual waste gate?
6.	What kind of wastegate does this aircraft have? How is it operated?
7.	Describe how the mixture should be operated (Leaned, Full Rich, FF=, TIT=, etc) during: Taxi:
	Runup: Takeoff:
	Climb: Cruise: Descent:
	Landing:
8.	In general, what order should the throttle, propeller control, and mixture be adjusted to increase power?
	To Decrease?



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IZ.	. What is shock-cooling?	
13.	Describe how we can prevent shock-cooling	
14.	What is TIT?	
	What is CHT?	
	What are recommended maximum TIT/ CHT's for this aircraft? What are max per the POH?	
15.	What is MCP for this aircraft?	
	What is the maximum climb power and airspeed?	
	What is normal climb power and airspeed?	
17.	What is the recommended normal cruise MP, RPM, TIT, CHT, Fuel Flow and TAS?	
12	Why is fuel planning more demanding on a turbocharged aircraft?	
10.		
19.	The higher altitude you fly a turbocharged airplane, the higher the engine temperature. Explain.	
20.	What would be the advantage of speed brakes on a turbocharged aircraft?	
	or Review and Sign Off:	