

Aircraft Checkout Written Test: Vans RV-12 CHI Aerospace

Pilot Name: Date:
Instructor:
I - Airspeeds (KIAS)
VS0 VS1 VR VX VY VGLIDE
VA VFE VNO VNE
Short Field VR: Max Allowable Short Field Flap setting:
Soft Field VR: Max Allowable Soft Field Flap setting:
Cruise Climb Speed:
Approach Speed:
Short Field Approach Speed:
II - Fuel and Oil
Total Fuel: Gallonslbs
Unusable Fuel in Level Flight: Gallons Unusable fuel in Vx Climb: Gallons Unusable fuel in Climbs: Gallons
What are the approved fuel grades for the aircraft?
How many fuel sumps are there on the aircraft?
Why is there unusable fuel?
What is the max fuel burn for the aircraft?



What are the minimum reserve fuel requirements for day and night?
Day:
Night:
How would you monitor your fuel burn?
The engine has an oil capacity of quarts, and quarts are considered the minimum for normal flight per the POH.
What would be the minimum oil level you would fly with and why?
Minimum allowable oil pressure is psi; Maximum allowable oil pressure is psi.
You check the oil and it's a bit low. What type of oil would you add?
III - Weight and Balance
Maximum Ramp Weight: lbs
Maximum Take-Off Weight (MTOW): lbs
Maximum Baggage Weight: lbs
Weight of Useable Fuel: lbs
Weight of Oil: lbs per quart
Max Forward CG at MTOW: inches
Max Aft CG at MTOW: inches
What is the definition of licensed empty weight?
What is the definition of Basic empty weight?



What is the definition of useful load?

What is the definition of payload?			
IV - Aircraft Systems			
How is fuel supplied to the engine?			
Does the airplane have an electric fuel pump?			
Is the aircraft carbureted or fuel injected?			
What is the cold start procedure for this aircraft ?			
What is the warm start procedure for this aircraft?			
Describe the engine. Make, model, cylinders, etc			
What is the Max Engine Power and at what RPM? How long can you remain at Max Engine Power?			
Generator voltage is volts			
Battery voltage is volts			
The output of the generator is maintained at volts by the			
How is the generator checked during the engine run-up before takeoff?			

What would alert you to a generator failure?



Where is the static port located? How many are there and where are they located?		
What type of landing gear system is on the aircraft?		
What type of flaps does the aircraft have?		
Flap setting for short-field takeoff (detent):		
Flap setting for soft-field takeoff (detent):		
V - Emergency Procedures		
What is the correct spin recovery procedure for the aircraft?		
What is the proper procedure for remedying engine roughness and/or power loss in flight?		
What is the emergency procedure for engine loss during cruise flight?		
What are the corrective actions taken when there is an excessive rate of charge on the ammeter?		
What are the corrective actions taken when there is an excessive rate of discharge on the ammeter?		
What action should the pilot take in the event of an engine fire during engine start?		
What action should the pilot take in the event of an engine fire during flight?		



What is the procedure for a balked landing (go-around)?

Is a go-around considered an emergency procedure? If so, why?

VI - Performance & Weight and Balance Computations

CFI weight: lbs	
Pilot's weight:Ibs	
Fuel: gallons =	_lbs
Baggage: lbs	
Weight and Balance Computation:	
Total weight: lbs	
Total moment: in-lbs	
Where is the center of gravity?	Does it fall within the CG envelope?
	te the takeoff and landing distance over a 50 ft obstacle:
Today's temperature:°C Surface wind: degrees at _	knots
Altimeter setting: in Hg	KIIOUS
Pressure altitude: feet	
Density altitude:feet	
Takeoff distance over a 50' obstacle: _	feet
Landing Distance over a 50' obstacle: _	feet
Instructor Signature:	
Pilot Signature:	
Date:	

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