# STAGE CHECK 1

Schedule: 2 hours ground & 2 hours flight

To prepare for each stage check, please use AeroDynamic's stage check documents, reading and study assignments, and AeroDynamic's Private Pilot Maneuvers Guide (Cessna or Tailwheel version). Prior to advancing to the next phase of training, each stage check must receive a grade of satisfactory or outstanding.

## **Objective**

This stage check is designed to verify you have command of the airplane through all flight maneuvers to ensure you are ready to enter the traffic pattern and focus on takeoffs and landing. To pass this stage check, you must demonstrate the following 18 tasks to the standards listed below each task.

## Grading

Each of the 18 tasks listed below is worth a total of 5 points (1 point per item under each task) for a total of 90 points possible. In general, tasks at the beginning of the stage check will be tested during the ground portion and later items will be tested during the flight. However, some items will cross over and be tested during both ground and flight.

If your total score is 72 points or greater, you will have successfully passed this stage check. However, any tasks you scored below 4 points on must be reviewed with your CFI, and you must demonstrate them to at least a 4 before you can begin training in the traffic pattern.

If your total score is less than 72 points (80%), a repeat stage check must be completed. During the repeat stage check, any tasks you scored below 4 points on will be reviewed until you achieve a score of 4 on those tasks.

### **Final Score**

The Stage Check CFI will be using a digital copy of this document on their tablet. Near the top of the page, the document will automatically total your points and give you a Yes or No under the Pass column. The Stage Check CFI will review their comments and recommendations with you to make sure you get the most out of this assessment. After the stage check, once they have finished all of their notes, the Stage Check CFI will email the digital copy to you and your CFI.

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Unsatisfactory = total score below 80% (<72/90)
Satisfactory = total score of 80% (72+/90 points)
Outstanding = total score of 90% (81+/90 points)
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#### **Documentation**

Please bring the following documents to your stage check:

- Passport or photo ID
- Student pilot certificate, if you have one
- Medical certificate, if you have one
- Renter's Agreement
- TSA approval for foreign students
- Logbook

AeroD	ynamic Aviation®	Stage Check 1 Standards
0	ner Information - Student demonstrates ability to read and/or METAR TAF GFA Winds aloft Cloud formation	explain:
0	rmance and Limitations – Student: Calculates pressure altitude based on current conditions Calculates a weight & balance from current conditions Calculates performance based on current conditions Explains the importance of CG limits and what the limits are Understands factors affecting performance including atmosp technique, configuration, and weight & balance	
	lynamics - Student demonstrates understanding of: Axes of an aircraft Forces of flight Adverse yaw Turning tendencies Aerodynamics associated with stalls including AoA and load	l factor
_ _ _ _	ns - Student demonstrates understanding of: Primary and secondary flight controls Powerplant Ignition system and starting sequence Fuel system, determining fuel quantity and fuel needs Abnormality or emergency associated with powerplant	
	Environment - Student demonstrates understanding of: Taxi diagram and hotspots Noise abatement procedures Local airspace Proper altitude and location for practicing maneuvers Proper ATC communications	
	ght Assessment - Student: Completes a pilot self-assessment Reviews current conditions to make a go/no-go decision to f Performs a preflight inspection of the airplane Determines airworthiness Understands AeroDynamic policies in the Renter's Agreeme	•

AeroD	ynamic Aviation®	Stage Check 1 Standards
0	Deck Management - Student: Completes a passenger briefing Uses appropriate checklists Secures all items in the flight deck Conducts a pre-takeoff briefing (who is PIC, transfer of cont Programs and manages navigation equipment correctly	rols, etc.)
000	e Starting - Student demonstrates:  Correct starting procedure appropriate to conditions, such a Understanding of engine and starter limitations  Propeller safety  Safe practices considering nearby people, structures, and of Correct checklist usage	
0	ng - Student demonstrates:  How to obtain proper radio frequencies  Use of airport diagrams for briefing taxi instructions and ho Safe practices for using checklists and maintaining sterile co Brake check and appropriate use of the brakes during taxi Proper position of flight controls during taxi	
0	e Takeoff Check - Student: Completes the Before Takeoff checklist Divides attention inside and outside while conducting check Positions airplane appropriately considering other aircraft a Verifies that engine parameters and airplane configuration a Completes a Pre-Takeoff briefing for emergency or abnormal	and wind are suitable
	al Takeoff and Climb - Student: Completes the appropriate checklist Makes radio calls as appropriate Clears the area, taxis into position, and aligns with runway Establishes pitch and maintains $V_Y + 10/-5$ knots to safe mar Complies with noise abatement procedure and/or ATC inst	neuvering altitude
	turns - Student: Clears the area and performs appropriate checks (CHAPS) Selects appropriate location, altitude, and airspeed for the n Maintains coordination, orientation, and control throughou Maintains entry altitude +/- 150 ft, airspeed +/-10 kts, rolls maintains bank angle +/-10° Returns to cruise and completes Cruise checklist	t maneuver