

**Indian River Flying Club  
Cessna 152 Checkout Sheet**

Name  
Date  
CFI

**SYSTEMS**

What type of engine does the aircraft have? (Specify make and model)

What is the voltage of the battery?

Where is the battery located in the aircraft?

What has happened when the low voltage light illuminates?

How can the pilot attempt to remedy a low or over-voltage condition?

**Fuel & Oil:**

What is the fuel capacity?

Total:

Useable:

What is the minimum octane fuel this aircraft can use?

What is the fuel burn per hour, TAS and RPM at 5000, 75% power and standard temperature?

How long can you fly with full tanks and land with VFR night reserve under these conditions?

Where are the fuel drains located?

Where is the fuel shut-off valve located?

When is fuel taken from the drains?

What is the recommended grade and type of oil?

What is the minimum operating oil level?

**List the following speeds (KIAS):**

Vr

Vy

Vx

Va

Vso

Vs1

Vfe

Vno

Vne

Best Glide Speed

Normal Approach

Short Field Approach

Maximum Demonstrated Crosswind  
Stall speed in the landing configuration at gross weight in a 30 degree bank?  
How far can you glide at 5000 feet AGL?

**Weight & Balance Information:**

Basic Empty Weight  
Maximum Takeoff Weight  
Useful Load  
Maximum Landing Weight

**Weight and Balance Problem**

Determine how much fuel can be carried without exceeding max takeoff weight?

	Weight	Arm	Moment
Empty Weight			
Pilot & Pass			
Baggage 1			
Baggage 2			
Zero Fuel Weight			
Fuel @ 6 LBS/GAL			

Total

Ramp Weight maximum allowed is 1675  
Taxi Fuel Allowance – this is with full fuel so no additional needs to be added.  
Takeoff Weight - maximum allowed is 1670  
CG Location \_\_\_\_\_ inches aft of datum

Is the aircraft within CG limits? If not, show how we can be in CG limits.

**What are the recommended takeoff procedures for this aircraft?**

Normal:  
Crosswind:  
Short field:  
Soft field:

**What are the recommended landing procedures for this aircraft?**

Normal:  
Crosswind:  
Short field:  
Soft field:

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**Performance Chart Calculations:**

Given:  
Max Gross weight-1670

5000 ft. pressure altitude

105 degrees F (40.5 degrees C)

5 knot headwind (chart says to decrease distance 10 percent for each 9 kts headwind. Since we only have 5 kts, this correction is not required.

Find:

Takeoff Roll

Dist to clear 50 foot obstacle

Landing Roll

Landing Distance over 50 foot obstacle

What is the endurance at 5,000' & standard temp at 65% power?

### **General Questions:**

What effect does a lower aircraft weight have on maneuvering speed?

How do you detect carburetor icing?

What conditions are the most conducive to carburetor icing?

What is the recommended go around procedure?

What is the indication of alternator failure?

What should you do if a door opens during flight?

What actions should be performed if engine loss occurs during takeoff?

What is the recommended procedure if you must land in a tailwind?

### **Emergency Procedures**

Describe the emergency checklist to follow when the engine has failed in flight.

What actions should be taken if there is smoke in the cockpit?

What should we do if we experience low or high oil pressure?

What action should be taken if you experience partial power loss?

Describe the procedure to use for a forced landing?

What should be done if the ammeter indicates excessive discharge or overcharge during flight?

How do you recover from a stall (Power-Off / Power-On).

Power-Off:

Power-On:

What is the SPIN RECOVERY procedure for this airplane?

Why is it important to recover from a spin both quickly and smoothly?