



## Safety Checklist



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"Bald Eagle"

A14RMW



## **Preflight Checklist (Page 1 of 6)**

### **1. Yourself /Passenger**

- a. **Health:** Plenty of sleep, you have not taken any medication that may make you drowsy nor any alcohol within 8 hours - **CHECK**
- b. **Restroom:** Visit if needed - **CHECK**
- c. **Attitude:** Calm, not angry, sad, nor depressed – **CHECK**
- d. **Clothing:** Suitable for this flight. Be sure there is nothing sharp located in pockets or cockpit that could cause damage or injury in case of an emergency landing - **CHECK**

### **2. Weather**

- a. **Wind:** Approximately 20 MPH or less and not gusting. Calmer winds if you are going to be flying with a passenger – **CHECK**
- b. **Visibility:** Verify that there is or will be sufficient visibility for the duration of this flight - **CHECK**
- c. **Forecast:** Verify that the weather forecasted is conducive to flying - **CHECK**

## **Preflight Checklist (Page 2 of 6)**

### **3. Nose of Plane/Cockpit**

- a. **Pitot Tube** : Remove cover. Verify integrity – **CHECK**
- b. **Nose Wheel**: Verify proper inflation and condition, inspect all hardware and wheel pant - **CHECK**
- c. **Ignition switch and Master switch**: OFF - **CHECK**
- d. **Control Sticks, Rudder Pedals, Brakes**: Verify in good condition and proper operation, inspect all hardware - **CHECK**
- e. **Seats, Harnesses**: Verify good condition, properly secured to fuselage, and verify proper operation - **CHECK**
- f. **Throttle Levers, Primer**: Verify good condition and proper operation, verify all tube connections - **CHECK**
- g. **Cockpit**: Make sure nothing is loose that will blow out of cockpit – **CHECK**
- h. **Root Tube** – BRS, NAV/COM, ELT and GPS antennas are secure – **CHECK**
- i. **Windshield** – Secure, no cracks, clean - **CHECK**

## **Preflight Checklist (Page 3 of 6)**

### **4. Left (Port) Wing**

- a. **Leading Edge Spar:** Inspect for dents, bends and fabric integrity. Inspect ribs, root tube connection, strobe light and connecting hardware - **CHECK**
- b. **Struts (Main and Jury):** Remove and stow tie-down. Inspect all hardware and connections on wing and at fuselage, strut condition - **CHECK**
- c. **Aileron:** Inspect control surfaces, hinges, gap seals, connecting rod, bell crank, horn – **CHECK**
- d. **Main Wheel:** Check for proper inflation, inspect condition, braking system, leg connecting hardware and support rods, wheel pant, bungee - **CHECK**
- e. **Storage Access Door:** Closed and locked – **CHECK**
- f. **Strobe light:** Plugged in - **CHECK**

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### 5. Engine Area

- a. **Muffler:** Inspect attach points, springs, safety wires, mounting hardware, exhaust manifold integrity – **CHECK**
- b. **Propeller:** Inspect surface, leading edge protectors, and all mounting hardware. Rotate 2 to 3 times, listening for abnormal noises – **CHECK**
- c. **Engine Mounts:** Inspect and verify integrity of all 6 mounts. Verify engine is properly fastened to mounting plate and that the 4 bolts are secure - **CHECK**
- d. **Wires, tubing, spark plug caps:** Verify security, inspect fuel lines for integrity, spark plug caps are properly fastened - **CHECK**
- e. **Fan, carburetors, filters:** Verify security, cleanliness, connections - **CHECK**
- f. **Fuel Pump:** Inspect connections, tubes – **CHECK**
- g. **Starter:** Verify cable and connecting bolts are secure - **CHECK**

## **Preflight Checklist (Page 5 of 6)**

### **6. Empennage (Tail Section)**

- a. **Dorsal:** Inspect fabric and verify hardware integrity - **CHECK**
- b. **Stabilizers:** Inspect tubes, fabric, strobe light and all connecting hardware - **CHECK**
- c. **Rudder:** Inspect tubes, hinges, fabric, cables, and horns - **CHECK**
- d. **Elevators:** Inspect tubes, hinges, fabric, connecting rods, horns, trim tab and trim tab electrical connections - **CHECK**
- e. **Tail** – Remove tie-down, inspect wheel - **CHECK**
- f. **Parking Stand:** Inspect condition, hardware, and operation - **CHECK**

## **Preflight Checklist (Page 6 of 6)**

### **7. Right (Starboard) Wing**

- a. **Strobe light**: Plugged in - **CHECK**
- b. **Main Wheel**: Check for proper inflation, inspect condition, braking system, leg connecting hardware and support rods, wheel pant - **CHECK**
- c. **Aileron**: Inspect controls surfaces, hinges, gap seals, connecting rod, bell crank, horn and all hardware – **CHECK**
- d. **Struts (Main and Jury)**: Remove and stow the tie-down. Inspect all hardware and connections on wing and at fuselage, strut condition – **CHECK**
- e. **ELT** – Verify it is set to ‘Active’ – **CHECK**
- f. **Storage Access Door**: Verify that there are no loose items in the storage compartment then close and lock the door – **CHECK**
- g. **Leading Edge Spar**: Inspect for dents, bends and fabric integrity. Inspect ribs, strobe light and connecting hardware – **CHECK**

## **Engine Start Checklist (Page 1 of 1)**

- a. **Harnesses:** Locked and properly tightened - **CHECK**
- b. **Helmets:** Off until after engine starts - **CHECK**
- c. **Cockpit:** Sterile: no loose items – **CHECK**
- d. **Fuel Supply:** Verify proper fuel supply for this flight - **CHECK**
- e. **Throttle:** SET to IDLE. If engine is cold prime 2 to 3 times - **CHECK**
- f. **Area around prop and prop wash:** Verify area is clear of people and/or objects that could be thrown by prop wash - **CHECK**
- g. **Yell “Clear Prop!”** as a warning to others. Listen for a response – **CHECK**
- h. **Master Switch:** Set to ON - **CHECK**
- i. **Ignition Switch:** Advance key to start engine, using primer as needed. Once started, set throttle to 3500 RPM for approximately 5 minutes for engine to properly warm up - **CHECK**
- j. **Switches:** Turn on landing lights, strobes, and avionics - **CHECK**
- k. **Helmets:** ON, properly fastened, and communications plugged in – **CHECK**



## **Before Takeoff Checklist (Page 1 of 2)**

- a. **Helmets and Harnesses:** Secure and properly tightened - **CHECK**
- b. **Communications:** Verify volumes and squelch, set radios and GPS to proper frequencies, channel, or flight plan - **CHECK**
- c. **Fuel Supply:** Verify sufficient fuel supply for this flight, with plenty of fuel for reserve - **CHECK**
- d. **Landing Lights:** Verify ON for collision avoidance - **CHECK**
- e. **Engine temperature gauges:** Verify engine has attained the proper CHT and EGT temperatures - **CHECK**
- f. **Tachometer:** Verify proper operation - **CHECK**
- g. **Altimeter** – Set to current airport altitude - **CHECK**
- h. **Flight Controls:** Visually verify proper operation of ailerons and elevators - **CHECK**
- i. **ELT and Ballistic Recovery System:** Armed - **CHECK**
- j. **Magneto tests:** Run to verify proper operation of Magnetos and Ignition Switch – **CHECK**

## **Before Takeoff Checklist (Page 2 of 2)**

- k. **Electric Trim Tab:** Verify operation and that it is set to Neutral – **CHECK**
- l. **Parking Stand:** Verify it is raised and locked - **CHECK**
- m. **Engine Run-Up:** Verify engine reaches maximum RPM – **CHECK.**
- n. **Windsock:** Verify wind direction and approximate wind speed. Make sure you are taking off into the wind – **CHECK**
- o. **Aircraft:** Look in all directions for traffic – **CHECK**
- p. **Communications :** Use radio to announce intent to takeoff – **CHECK**
- q. **Taxi onto active runway:** Visually verify proper operation of rudder and verify that the brakes are operating properly – **CHECK**
- r. **Engine:** Full throttle for takeoff - **CHECK**
- s. **Note:** After takeoff, turn OFF the Landing Light if you are leaving the pattern - **CHECK**

## **Before Landing Checklist (Page 1 of 1)**

- a. **Helmets and harnesses:** Secure for landing - **CHECK**
- b. **Landing Light, Strobes:** Set to ON - **CHECK**
- c. **Aircraft:** Verify if other aircraft are in pattern or on ground moving, that pose a potential safety risk. Use COM radio to announce intent to land, touch and go, or full stop, as appropriate – **CHECK**
- d. **Wind:** Verify wind direction, choose appropriate runway - **CHECK**
- e. **Airspeed:** Verify and maintain proper airspeed for final approach - **CHECK**
- f. **Altitude:** Verify you are at the proper pattern altitude - **CHECK**
- g. **Fuel Supply:** Verify sufficient level for flight – **CHECK**
- h. **Cockpit:** Sterile: all loose items are now stowed – **CHECK**

## **Securing the Aircraft Checklist (Page 1 of 1)**

- a. **Switches:** Turn off all switches - **CHECK**
- b. **Ignition switch:** Off, key removed - **CHECK**
- c. **Parking Stand:** Lowered (if appropriate) - **CHECK**
- d. **ELT:** Verify it is not on and transmitting - **CHECK**
- e. **Ballistic Recovery System:** Disarm by inserting pin - **CHECK**
- f. **Tie downs :** Properly tie down the wings and the tail if needed - **CHECK**
- g. **Harnesses/Helmets:** Fastened and/or secured - **CHECK**
- h. **Propeller:** Place in vertical position if visiting, or horizontal if parking plane in hangar - **CHECK**
- i. **Area around plane:** Look for any items that could potentially damage plane due to wind or gravity and remove, or relocate plane - **CHECK**
- j. **Valuables:** Secure radios, GPS, lapboard, etc. and any valuables – **CHECK**
- k. **ELT:** Switch ‘OFF’ if appropriate - **CHECK**
- l. **Storage Access Doors :** Closed and locked – **CHECK**
- m. **Pitot Tube :** Cover or remove as appropriate – **CHECK**

## FREQUENTLY VISITED AIRPORTS

<b>Name</b>	<b>ID</b>	<b>COM</b>	<b>Runways</b>	<b>Comments</b>
Boyer Flight Park	7W7	122.9	36/18	Fly-In
Elwood	3I1	122.9	27/09, 36/18	Roxie's Airport Restaurant
Franklin Flying Field	3FK	122.7	21/03	Asphalt
Marion	MZZ	122.7	04/22, 15/33	Asphalt
Nulltown Wingnuts	73I	122.75	SW/NE	Fly-In
Pam's Place	78I	122.9	28/10	Home Field
Peru	I76	122.8	01/19	Asphalt
Pope Field (Greenfield)	GFD	122.9	36/18	
Rochester	RCR	122.7	11/29	Asphalt, Restaurant
Scottsburg	3R8	122.9	02/20	Fly-In
Shawnee Field	1I3	122.9	36/18	Training Field
Sheridan	5I4	123.0	05/23, 09/27	Asphalt
Westfield	I72	122.9	36/18	Indy Flyers