

# 1945 Taylorcraft BC12-D

## N39240

### Preflight:

1. General Aircraft Condition
2. Remove Gust-Locks
3. Secure Tail w/ Locking Tow Rope
4. Check Fuselage Fabric Condition
5. Lt. Horizontal Stabilizer Security
6. Lt. Tail Brace Wires and Clevises
7. Lt. Elevator Hinges and Pins
8. Elevator Trim Tab
9. Vertical Stabilizer Security
10. Rudder Hinges and Pins
11. Tail Wheel Springs, Tire, Fasteners
12. Check Condition of Wing Fabric
13. Rt. Elevator Hinges and Pins
14. Rt. Tail Brace Wires and Clevises
15. Rt. Horizontal Stabilizer Security
16. Rt. Wing Root Fairing
17. Rt. Aileron Hinges, Pins, Control Horn
18. Rt. Wing Tip Flex Spar Check
19. Rt. Wing Leading Edge
20. Rt. Fuel Cap and Vent

### Start-Up:

1. **Set Brakes**
2. Brief Passenger Ignition/Throttle
3. **Ensure Tail is Tied / Chock Wheels**
4. **Ensure Aircraft Will Not Move**
5. Ignition Off / Fuel On
6. Pull Prop Thru 4 Blades
7. Prime as Needed
8. **Throttle Cracked 1/8"**
9. Fuel Off
10. Ignition On
11. Rapidly Pull Prop Thru
12. Walk Around Wing Tip to Cabin
  - a. **Remain Clear of Prop Arc**
13. RPM 1000 or Less
14. Oil Pressure 30 p.s.i. Normal
15. After Engine Stabilizes, Untie Tail
16. Fuel On and Locked in Position
17. Secure Doors/Windows
18. Secure Passenger Safety Belts

### Before Flight:

1. Set Brakes
2. Check Flight Controls Free and Correct
3. Check Tail for Water
4. Set Altimeter
5. Turn Coordinator Ball Free
6. Pitch Trim Set
7. Check Fuel Quantity

21. Rt. Wing Strut Fittings
22. Rt. Wing Jury Strut
23. Rt. Wing Fuel Sump (if Fueled)
24. Rt. Gear Attachments, Tire, Fasteners
25. Cowling and Undercarriage Condition
26. Check Oil and Ignition Wires
27. Check Carb. and Cowling Ventilation
28. Check Prop/Spinner Condition
29. Check Fuel Cap Tight, Wire Free
30. Sump Fuel, Check Ignition Wires
31. Lt. Gear Attachments, Tire, Fasteners
32. Lt. Wing Jury Strut
33. Lt. Wing Strut Fittings
34. Lt. Wing Fuel Sump (if Fueled)
35. Lt. Fuel Cap and Vent
36. Lt. Wing Leading Edge
37. Pitot Tube Clear
38. Lt. Wing Tip Flex Spar Check
39. Lt. Aileron Hinges, Pins, Control Horn
40. Lt. Wing Root Fairing
41. Check Control Cables Rear Cockpit

8. Check Magnetos L & R
  - a. 100 rpm Max Drop Each
9. Check Carburetor Heat
  - a. 100 RPM Max Drop Each
10. Primer Locked
11. Fuel Valve Locked
12. Release Brakes

### Flight Performance:

|                  |         |
|------------------|---------|
| Vs               | 37 mph  |
| Vx               | 55 mph  |
| Vy               | 65 mph  |
| Best Glide       | 60 mph  |
| Minimum Approach | 50 mph  |
| Vr               | 50 mph  |
| Vne              | 140 mph |

### Specifications:

|              |          |
|--------------|----------|
| Empty Weight | 800 lbs  |
| Gross Weight | 1200 lbs |
| Max Fuel     | 24 gals  |
| Normal Fuel  | 12 gals  |
| Oil Capacity | 4 qts    |