

# Cessna 162 – N3034Y

## Operating Checklist

### BEFORE EXTERIOR CHECK

- |  |            |
|--|------------|
| 1. Aircraft Papers (AROW)                    | Check      |
| 2. Progressive Inspections & AD's            | Current    |
| 3. Transponder Inspection                    | Current    |
| 4. ALT/Static Systems                        | Current    |
| 5. Fire Extinguisher                         | Current    |
| 6. Control Lock (place in pilot-side pocket) | Remove     |
| 7. Avionics Master/Electrical Switches       | OFF        |
| 8. Ignition Switch/EAS Switch                | OFF/KeyOut |
| 9. Master Switch                             | ON         |
| 10. Avionics Cooling Fan                     | Check      |
| 11. Aircraft Time Log (engine page MFD)      | Record     |
| 12. Annunciators/ PFD & MFD (Volts/No X's)   | Check      |
| 13. Exterior Lights                          | Check/OFF  |
| 14. Elevator Trim                            | SET T/O    |
| 15. Master Switch                            | OFF        |
| 16. Fuel Quantity Gauges                     | Check/BOTH |
| 17. Wing Flaps                               | DOWN       |
| 18. Fuel                                     | BOTH       |
| 19. Adjust Rudder Pedals                     | Check/Set  |

### EXTERIOR CHECK

- |                               |       |
|-------------------------------|-------|
| 1. Left Landing Gear          | Check |
| 2. Left Side Fuselage & Belly | Check |
| 3. Left Vertical Stabilizer   | Check |
| 4. Left Horizontal Stabilizer | Check |
| 5. Left Elevator              | Check |
| 6. Rudder                     | Check |

7. Tail Tie-Down	Remove
8. Right Vertical Stabilizer	Check
9. Right Elevator & Trim	Check
10. Right Horizontal Stabilizer	Check
11. Right Side Fuselage and Belly	Check
12. Antennas	Check
13. Right Landing Gear	Check
14. Right Wing Flap	Check
15. Right Aileron	Check
16. Right Wing Tip & Lights	Check
17. Right Wing	Check
18. Right Wing Tie-Down	Remove
19. Stall Warning Orifice	
20. Right Wing Strut	Check
21. Right Side Air Vents	Check
22. Windshield	Check/Clean
23. Right Side Engine Cowl & Exhaust Stack	Check
24. Propeller Spinner	Check
25. Propeller	Check
26. Nacelle Openings	Check
27. Engine Air Inlet & Filter	Check
28. Oil Sump Air Inlet	Check
29. Nose Wheel & Strut Assembly	Check
30. Left Side Engine Cowl	Check
31. Flight Instruments Static Port	Check
32. Left Side Air Vents	Check
33. Left Wing Tie-Down	Remove
34. Left Wing Strut	Check
35. Pitot Tube	Check

- |                          |       |
|--------------------------|-------|
| 36. Fuel Air Vent        | Check |
| 37. Left Wing            | Check |
| 38. Left Wing Tip/Lights | Check |
| 39. Left Aileron         | Check |
| 40. Left Wing Flap       | Check |

### **AIRPLANE FLUIDS CHECK**

- |  |                |
|--|----------------|
| 1. Baggage Area  | Get Tools      |
| 2. Left Wing Sumps (2)   | Sample         |
| 3. Right Wing Sumps (2)  | Sample         |
| 4. Belly Fuel Sumps (2)  | Sample         |
| 5. Right Fuel Tank (use fuel gauge)                                | Check Quantity |
| 6. Right Fuel Tank Filler Cap                                      | Secure         |
| 7. Oil Quantity (max 5.5 quarts...add at 4 or below only)          | Check          |
| 8. Oil Dip Stick (if oil is needed, full quarts only – no partial) | Secure         |
| 9. Engine Hatch  | Close          |
| 10. Left Fuel Tank (use fuel gauge)                                | Check Quantity |
| 11. Left Fuel Tank Filler Cap                                      | Secure         |
| 12. Baggage Compartment  | Replace Tools  |

### **ENGINE START CHECK**

- |   |                 |
|---|-----------------|
| 1. Passenger Briefing                   | Complete        |
| 2. Charts, Plates, Logs, Runway Diagram | Review/Organize |
| 3. Seat Belts & Shoulder Harnesses      | Adjust & Fasten |
| 4. Doors & Windows                      | Close & Lock    |
| 5. Circuit Breakers                     | Check In        |
| 6. Strobe Light                         | ON              |
| 7. Avionics Switch                      | OFF             |
| <b>8. Engine Start (Cold)</b>           |                 |
| a. Mixture                              | RICH            |
| b. Carb Heat                            | OFF             |

- |                    |               |
|--------------------|---------------|
| c. Throttle        | Open ¼ inch   |
| d. Master Switch   | ON            |
| e. Primer*         | 2-3 Times     |
| f. Propeller Area  | “CLEAR”       |
| g. Brakes          | ENGAGE        |
| h. Ignition Switch | ENGAGE        |
| i. Throttle        | 1,000 RPM     |
| j. Oil Pressure    | Check/Green   |
| k. Mixture         | Lean for Taxi |

\*Push throttle in and pull it back out.

### 9. Engine Start (Hot)

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|--------------------|---------------|
| a. Mixture         | RICH          |
| b. Throttle        | Open ¼ inch   |
| c. Master Switch   | ON            |
| d. Propeller Area  | “CLEAR”       |
| e. Brakes          | ENGAGE        |
| f. Ignition Switch | ENGAGE        |
| g. Throttle        | 1,000 RPM     |
| h. Oil Pressure    | Check/Green   |
| i. Mixture         | Lean for Taxi |

### BEFORE TAXI CHECKLIST

- |                                  |             |
|----------------------------------|-------------|
| 1. Avionics Master Switch        | ON          |
| 2. Wing Flaps                    | UP          |
| 3. ATIS/ COMS/NAV                | ON/Set      |
| 4. Barometric Pressure/Altimeter | Check/Set   |
| 5. Transponder                   | Check/Set   |
| 6. Interior/Exterior Lights      | As Required |
| 7. Radio Calls                   | Complete    |

### TAXI CHECK

- |                  |                 |
|------------------|-----------------|
| 1. Brakes        | Both Sets/Check |
| 2. Landing Light | On              |

## **ENGINE RUN-UP/BEFORE TAKEOFF CHECK**

1. Nose wheel Straight
2. Brakes Hold/Set
3. Flight Instruments Check/Set
4. Flight Controls Free & Correct
5. Elevator Trim Set for Takeoff
6. Throttle 1,700 RPM
7. Mixture Lean for ALT
8. Engine Instruments Green/Charging
9. MagnetOS (max 175rpm drop or 50rpm differential) Check
10. Pull Carb Heat (rpm drop) Check
11. Annunciator Lights No Warnings
12. Throttle Check for Idle the 1,000 RPM
13. COM & FLT PLN (GPS & VOR) Radios Check & Set
14. Transponder Check
15. Exterior Lights (nav, strobes, & landing lights) ON
16. Wing Flaps Set for Takeoff: 10 degrees
17. Brakes Release
18. Radio Call (call made at runway hold short) Complete

## **CRUISE CHECK**

1. Mixture Lean for ALT
2. Power Set for cruise
3. Engine Instruments Green

## **BEFORE LANDING CHECK**

1. Seat Belts Secure
2. Fuel Selector Both
3. Mixture Enrich for Altitude
4. Landing, Strobe, & Beacon Lights ON
5. Carb Heat As Required

## **AFTER LANDING CHECK – Clear of Runway**

1. Landing Lights & Strobes OFF
2. Flaps Down

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|---------------|-----------|
| 3. COM Radio  | Check/Set |
| 4. Radio Call | Complete  |
| 5. Carb Heat  | OFF       |

### ENGINE SHUTDOWN CHECK

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|----------------------------------|----------------------|
| 1. Throttle                      | 1000                 |
| 2. Hobbs Meter & Tachometer      | Check/Record Times   |
| 3. Transponder                   | Squawk 1200/ Standby |
| 4. Avionics Master/EFIS Switch   | OFF                  |
| 5. Lights Off                    | OFF                  |
| 6. Mixture                       | Lean/Cut Off         |
| 7. Master Switch                 | OFF                  |
| 8. Ignition Switch               | Off/Key Out          |
| 9. Control Lock/Tie-Downs/Chalks | Complete             |
| 10. Clean Windshield             | Complete             |
| 11. Put sunshade in windshield   | Complete             |
| 12. Flaps Down                   | Check                |
| 13. Put Aircraft Cover On        | Check                |

### CLOSE FLIGHT PLAN

## Great Basin Aviation

**NOTE:** This is a Flight School Guide Only; Please refer to N3034Y Operating Manual for details.