

Preflight

Interior

- Garmin D2 Charlie 3 *Fly Mode*
- Passengers *Brief*
- Circuit Breakers *In*
- Alternate Static *Check Closed*

## Start

<input type="checkbox"/>	Seat Track & Back	<i>Locked</i>
<input type="checkbox"/>	Brakes	<i>Pedal Test</i>
<input type="checkbox"/>	Avionics	<i>Off</i>
<input type="checkbox"/>	Auto-pilot	<i>Off</i>
<input type="checkbox"/>	Carb Heat	<i>Off</i>
<input type="checkbox"/>	Cowl Flaps	<i>Open</i>
<input type="checkbox"/>	Beacon	<i>On</i>
<input type="checkbox"/>	Mixture	<i>Full Rich</i>
<input type="checkbox"/>	Prop	<i>High RPM</i>
<input type="checkbox"/>	Throttle	<i>Slight</i>
<input type="checkbox"/>	Prime	<i>As Required</i>
<input type="checkbox"/>	Brakes	<i>Set</i>
<input type="checkbox"/>	Prop	<i>Clear</i>
<input type="checkbox"/>	Master	<i>On</i>
<input type="checkbox"/>	Mags	<i>Start</i>
<input type="checkbox"/>	Oil Pressure	<i>Check</i>
<input type="checkbox"/>	Lights	<i>As Required</i>
<input type="checkbox"/>	Mixture	<i>As Required</i>

**Taxi**

<input type="checkbox"/>	Seat Belts & Harness	<i>Secure</i>
<input type="checkbox"/>	Flaps	<i>Up</i>
<input type="checkbox"/>	Heat, Vent & Defrost	<i>As Required</i>
<input type="checkbox"/>	Avionics	<i>On &amp; Set</i>
<input type="checkbox"/>	Transponder	<i>Alt + Squawk</i>
<input type="checkbox"/>	Altimeter	<i>Set</i>
	Radio	<i>Test</i>
<input type="checkbox"/>	<b>Comments</b> <b>Class D</b> Call Ground	
	<b>Class B, C</b> Call Clearance Call Ground	
<input type="checkbox"/>	Taxi Light	<i>As Required</i>
<input type="checkbox"/>	Brakes	<i>Test</i>
<input type="checkbox"/>	Heading Indicator & Compass	<i>Test</i>
<input type="checkbox"/>	Attitude Indicator	<i>Test</i>
<input type="checkbox"/>	Turn Coordinator	<i>Test</i>
<input type="checkbox"/>	Low RPM	<i>Mag Check</i>

## Run-up

<input type="checkbox"/>	Brakes	<i>Set</i>
<input type="checkbox"/>	Fuel	<i>Both</i>
<input type="checkbox"/>	Trim	<i>Takeoff</i>
<input type="checkbox"/>	Flight Controls	<i>Free &amp; Correct</i>
<input type="checkbox"/>	Instruments	<i>Check</i>
<input type="checkbox"/>	Mixture	<i>Best Power</i>
<input type="checkbox"/>	Primer	<i>In &amp; Locked</i>
<input type="checkbox"/>	1700 RPM	<i>Set</i>
	Mags (Right & Left)	<i>Test</i>
<input type="checkbox"/>	<b>Comments</b> +/-50 RPM	
<input type="checkbox"/>	Prop	<i>Cycle</i>
<input type="checkbox"/>	Carb Heat	<i>Test for 10 seconds</i>
<input type="checkbox"/>	Vacuum	<i>Check</i>
<input type="checkbox"/>	Amps & Volts	<i>Check</i>
<input type="checkbox"/>	Oil Pressure	<i>Check</i>
<input type="checkbox"/>	Oil Temp	<i>Check</i>
<input type="checkbox"/>	Idle	<i>Check Closed</i>
<input type="checkbox"/>	Throttle Friction	<i>Lock</i>

# Inflight

## Pre-Takeoff

<input type="checkbox"/>	Flaps	<i>0° - 20°</i>
<input type="checkbox"/>	Prop	<i>High RPM</i>
<input type="checkbox"/>	Mixture	<i>Best Power</i>
<input type="checkbox"/>	Carb Heat	<i>Off or As Required</i>
<input type="checkbox"/>	Pitot Heat	<i>As Required</i>
<input type="checkbox"/>	Heading Indicator To Compass	<i>Set</i>
<input type="checkbox"/>	Doors	<i>Close &amp; Lock</i>
<input type="checkbox"/>	Windows	<i>Close &amp; Lock</i>
<input type="checkbox"/>	AC	<i>Off</i>
<input type="checkbox"/>	Transponder	<i>Alt + Squawk</i>
<input type="checkbox"/>	Landing Light	<i>On</i>
<input type="checkbox"/>	Strobes	<i>On</i>
<input type="checkbox"/>	Time	<i>Note</i>
<input type="checkbox"/>	Brakes	<i>Release</i>
<input type="checkbox"/>	Abort Plan	<i>Ready !!</i>
<input type="checkbox"/>	Garmin D2 Charlie	<i>Start</i>

## Takeoff

Full Throttle *2600 RPM (Max)*

Manifold Pressure *Check*

Oil Pressure *Check*

Rotate *52 KIAS*

VY *77 KIAS*

Flaps *Up*

## Climb

Climb *87-96 KIAS*

Throttle *23" MP*

Prop *2450 RPM*

Mixture *As Required*

Cowl Flaps *Open*

Instruments *Check*

Taxi & Landing Light *Off*

Flight Plan *Open*

## Cruise

Throttle *Set*

Prop *Set*

Mixture *Set*

Instruments *Check*

Cowl Flaps *Close*

Heading Indicator To Compass *Set*

7500' 54% 121 KIAS  
19"-2200 RPM-10.2 GPH

7500' 62% 129 KIAS  
20"-2300RPM-11.6GPH

7500' 71% 136 KIAS  
21"-2450 RPM-13.1 GPH



## Descent

Throttle *Manifold As Required*

Mixture *Richen*

Cowl Flaps *Close*

Fuel *Both*

Carb Heat *As Required*

ATIS & AWOS *Note*

Altimeter *Set*

Instruments *Check*

Heading Indicator To Compass *Set*

## Pre-Landing

Landing Light

*On*

Auto-pilot

*Off*

AC

*Off*

Seat Belt & Harness

*Secure*

Mixture

*Best Power*

Carb Heat

*On*

Fuel

*Both*

Flaps

*As Required*

## Landing

Flaps *40° Or As Required*

Prop *High RPM*

Speed *70 KIAS*

GUMPS *Check Fuel Valve, Mixture Full, Prop Set, Seatbelts & Switches*

## Go-Around

Trim *Takeoff*

Power *Full*

Carb Heat *Off*

Positive Rate Climb *Confirm*

Flaps Up *Retract Slowly*

Cowl Flaps *Open*

# Postflight

## After Landing

- |                          |               |                     |
|--------------------------|---------------|---------------------|
| <input type="checkbox"/> | Flaps         | <i>Up</i>           |
| <input type="checkbox"/> | Carb Heat     | <i>Off</i>          |
| <input type="checkbox"/> | Cowl Flaps    | <i>Open</i>         |
| <input type="checkbox"/> | Strobes       | <i>Off</i>          |
| <input type="checkbox"/> | Landing Light | <i>Off</i>          |
| <input type="checkbox"/> | Taxi Light    | <i>As Required</i>  |
| <input type="checkbox"/> | Pitot Heat    | <i>Off</i>          |
| <input type="checkbox"/> | Trim          | <i>Takeoff</i>      |
| <input type="checkbox"/> | Transponder   | <i>Alt + Squawk</i> |

## Securing

- |                          |                   |                      |
|--------------------------|-------------------|----------------------|
| <input type="checkbox"/> | E.L.T.            | <i>Verify Silent</i> |
| <input type="checkbox"/> | Lights            | <i>Off</i>           |
| <input type="checkbox"/> | Garmin D2 Charlie | <i>Stop</i>          |
| <input type="checkbox"/> | Avionics          | <i>Off</i>           |
| <input type="checkbox"/> | Mixture           | <i>Full Lean</i>     |
| <input type="checkbox"/> | Mags              | <i>Off</i>           |
| <input type="checkbox"/> | Master            | <i>Off</i>           |
| <input type="checkbox"/> | Fuel              | <i>Left or Right</i> |
| <input type="checkbox"/> | Cowl Flaps        | <i>Closed</i>        |
| <input type="checkbox"/> | Control Lock      | <i>Install</i>       |
| <input type="checkbox"/> | Chocks            | <i>In</i>            |
| <input type="checkbox"/> | Tie Downs         | <i>Secure</i>        |
| <input type="checkbox"/> | Pitot Cover       | <i>Install</i>       |
| <input type="checkbox"/> | Baggage Door      | <i>Secure</i>        |
| <input type="checkbox"/> | Cabin Doors       | <i>Secure</i>        |
| <input type="checkbox"/> | Flight Plan       | <i>Close</i>         |

Be Safe!!!

# Emergency

## Power Loss On Takeoff

Abort If Have Runway Distance

Maintain Aircraft Control *Safe Airspeed*

Best Glide (Full Gross) *70 KIAS*

Fuel Selector *Off*

Mixture *Full Lean & Idle Cutoff*

Flaps *Down*

Master & Mags *Off*

Cabin Doors *Unlatch*

## Power Loss Inflight

Maintain Speed *Keep Aircraft Control*

Best Glide (Full Gross) *70 KIAS*

Carb Heat *On*

Note Wind *Direction & Velocity*

Pick Landing Site *Select*

Mixture *Full Rich*

Fuel Selector *Check Switch on Both*

Fuel Primer *Locked (Try Reprime)*

Magnetos *Check All*

Master *On*



## No Restart with Time

- |                          |                         |                                    |
|--------------------------|-------------------------|------------------------------------|
| <input type="checkbox"/> | Best Glide (Full Gross) | <i>70 KIAS</i>                     |
| <input type="checkbox"/> | Prop                    | <i>Low RPM &amp; Full Aft</i>      |
| <input type="checkbox"/> | Squawk                  | <i>7700</i>                        |
| <input type="checkbox"/> | Declare Emergency       | <i>TWR, APP, 121.5</i>             |
| <input type="checkbox"/> | Fuel Selector           | <i>Off</i>                         |
| <input type="checkbox"/> | Mixture                 | <i>Full Lean &amp; Idle Cutoff</i> |
| <input type="checkbox"/> | Seatbelts & Harness     | <i>Secure</i>                      |
| <input type="checkbox"/> | Flaps                   | <i>Full Or As Needed</i>           |
| <input type="checkbox"/> | Master & Mags           | <i>Off</i>                         |
| <input type="checkbox"/> | Unlatch                 | <i>Doors</i>                       |
| <input type="checkbox"/> | Protect Body            | <i>Use Soft Objects</i>            |

## Electrical Fire

All Electrical & Master *Off (Mags On)*

Cabin Heat & Air *Off*

### If Fire Out

Master *On If Critical*

Vents *Open*

Electrical *On One At A Time*

Circuit Breaker *Reset If Critical*

## Engine Fire On Startup

Engine *Continue Cranking*

### If Start

Run *Only A Few Seconds*

Then *Shutdown & Inspect*

### If No Start

Mixture *Full Lean & Idle Cutoff*

Fuel Selector *Off*

Throttle *Full Open*

Continue Cranking Eng *For A Few Seconds*

Master & Mags *Off*

Evacuate *A.S.A.P.*

Fire Extinguisher *As Required*

## Engine Fire Inflight

Mixture *Full Lean & Idle Cutoff*

Fuel Selector *Off*

Master *Off*

Cabin Heat & Air *Off Except Ovrhd Vents*

Increase Speed *To Extinguish*

Land *A.S.A.P.*

## Icing

<input type="checkbox"/> Pitot Heat	<i>On</i>
<input type="checkbox"/> Carb Heat	<i>On</i>
<input type="checkbox"/> Cabin Heat & Defrost	<i>Maximum</i>
<input type="checkbox"/> Strongly Consider	<i>180° Turn</i>
<input type="checkbox"/> Change Altitude	<i>Higher or Lower</i>
<input type="checkbox"/> Engine & Prop Speed	<i>Increase</i>
<input type="checkbox"/> Flaps	<i>Not Rec. For Landing</i>
<input type="checkbox"/> Land Faster	<i>As Needed</i>

## Excess Charge

ALT CB *Pull*

Non-Essential Electrical *Off*

Master *Off (Mags On)*

Land A.S.A.P. *BATT only*

## Low Voltage

- |   |                    |
|---|--------------------|
| <input type="checkbox"/> Avionics         | <i>Off</i>         |
| <input type="checkbox"/> ALT CB           | <i>In</i>          |
| <input type="checkbox"/> Master           | <i>Off Then On</i> |
| <input type="checkbox"/> Check Volt Light | <i>Off</i>         |

## If Low Voltage Again

- |   |                  |
|---|------------------|
| <input type="checkbox"/> ALT                      | <i>Off</i>       |
| <input type="checkbox"/> Non-Essential Electrical | <i>Off</i>       |
| <input type="checkbox"/> Land A.S.A.P.            | <i>BATT only</i> |

## Radio Out

Circuit Breaker

*Check*

Volume

*Check*

ALT Switch

*Recycle*

IFR & Still Out

*Squawk 7600*

VFR B,C,D Airspace

*Squawk 7600*