

# QUICK REFERENCE CHECKLIST

AVIATE, NAVIGATE, COMMUNICATE

REFER TO POH CHAPTER 3 FOR  
CONDITIONS NOT LISTED BELOW

## ENGINE TROUBLESHOOTING

### Engine Roughness

Airspeed Best Glide, 72kts  
Throttle Adjust Position  
Fuel Selector Change Position  
Fuel Pumps Both ON  
Lane Lights Ensure OFF, Check  
Throttle Continue To Adjust Position

> IF ENGINE ROUGHNESS CONTINUES

Navigation Nearest Suitable Airport  
Radio Communicate Issue

### Generator Failure

Lane Lights Ensure OFF, Check  
Battery AMPs Check  
Volts 1 Check

> IF VOLT AND/OR AMPS NEGATIVE/LOW

Throttle 5500RPM, Max Continuous  
Electrical Load EFIS 2/Lights/AP OFF, Reduce

> IF VOLT AND/OR AMPS RETURN TO NORMAL

Safe To Continue Flight

Monitor Battery AMPs/Volts

> IF VOLT AND/OR AMPS STILL NEGATIVE/LOW

Electrical Load All Non-Essential Items, OFF

Throttle 5500RPM, Max Continuous

Navigation Direct-To Nearest Airport

Engine Will Fail In <30min, Plan to Land Immediately

Expect Loss Of Radio/Avionics

## SMOKE IN CABIN

Master OFF  
Cabin Heat Close  
Ventilate Cabin Open Air Vents

> IF SMOKE STOPS

Land At Nearest Suitable Airport

> IF SMOKE CONTINUES

Land At Nearest Airport OR  
OFF FIELD LANDING CHECKLIST

Signal	Steady Green	Flashing Green	Steady Red	Flashing Red	Flashing White	Alt. Red & Green
Flight	Cleared To Land	Return To Land	Give Way To Other Aircraft	Airport Unsafe, DO NOT LAND	N/A	USE EXTREME CAUTION
Ground	Cleared For Takeoff	Cleared To Taxi	Stop	Taxi Clear Of Runway	Return To Starting Point	USE EXTREME CAUTION

## ENGINE FAILURE

### WITHOUT DELAY

Airspeed Best Glide, 72kts  
Throttle Set To Middle Position  
Fuel Selector Verify ON, Change Position  
Fuel Pumps Both ON  
ECU Battery Backup ON  
Lanes A/B Verify Both ON  
Master Verify ON  
Starter Engage For 10 Seconds

> IF ENGINE STARTS

Navigation Land At Nearest Airport  
Radio Contact ATC Or, 121.5  
Transponder Squawk 7700

> IF ENGINE DOES NOT START

Land At Nearest Airport OR  
OFF FIELD LANDING CHECKLIST

## ENGINE FIRE

### WITHOUT DELAY

Throttle Full Forward  
Fuel Selector Pull Pin, OFF  
Cabin Heat Close  
Fuel Pumps Both ON  
Airspeed If Altitude Allows, 120KTS

> WHEN FIRE IS OUT

Lanes A/B OFF  
Fuel Pumps Both OFF  
Radio Contact ATC Or, 121.5  
Transponder Squawk 7700

Land At Nearest Airport OR  
OFF FIELD LANDING CHECKLIST

## OFF FIELD LANDING

Airspeed Best Glide, 72kts  
Landing Spot Select  
Surface Wind Determine Direction  
Fuel Selector Pull Pin, OFF  
Fuel Pumps Both OFF  
Lanes A/B OFF  
Canopy Unlatch  
Seat Belts Secure/Tighten  
Flaps As Needed  
Landing Direction If Possible, Into Wind  
Landing Speed Slowest Practicable

# Sling 912iS CHECKLIST

AIRCRAFT

## INGRESS & EGRESS

Ingress One person at a time  
Wait until first person is seated before boarding

Egress One person at a time  
Wait until first person is completely off the aircraft

## PREFLIGHT

**Interior**  
Lane A/B Both OFF  
Master ON  
EFIS 1 ON  
Lights All ON, walk-around, All OFF  
Flaps DOWN  
Fuel Record Quantity  
Hobbs Record  
Safety Equipment Locate/Check  
Aircraft Documents Present/Current, Check  
EFIS 1 OFF  
Master OFF  
Canopy/Windshield Clean

**Left Wing**  
Main Gear Pressure/Cotter Pin, Check  
Flap Rods/Hinges/Secure, Check  
Aileron Rods/Hinges/Free, Check  
Wing Tip/Light Secure/Clear, Check  
Leading Edge Undamaged, Check  
Tie Down Remove  
Fuel Vent Secure/Not Blocked, Check  
Pitot Tube Cover Off/Not Blocked, Check  
Fuel Tank Visual Check/Cap Secure, Check  
Fuel Sump Check for Contaminates, Drain

**Cowling & Engine**  
Cowling Screws All Present, Secure  
Engine Bay Dry/No Leaks or Damage, Check  
Exhaust Pipes No Cracks/Secure, Check  
Air Intakes Clear  
Propellers Secure/No Chips or Cracks, Check  
Nose Gear Pressure/Suspension, Check  
Radiators Clear/Secure/Not Damaged, Check

Engine Bay Dry/No Leaks or Damage, Check  
Exhaust Pipes No Cracks/Secure, Check  
Brake Fluid Sufficient/No Leaks, Check  
Coolant Visible/No Leaks, Check  
Oil Burp, Sufficient, Replace Cap, Check  
Gascolator Free of Contaminates, Drain

**Right Wing**  
Fuel Sump Free of Contaminates, Drain  
Fuel Tank Visual Check/Cap Secure, Check  
Fuel Vent Secure/Not Blocked, Check  
Tie Down Remove  
Leading Edge Undamaged, Check  
Wing Tip/Light Secure/Clear, Check  
Aileron Rods/Hinges/Free, Check  
Main Gear Pressure/Cotter Pin, Check

**Fuselage & Empennage**  
Vertical Stabilizer Secure, Check  
Horizontal Stabilizer Secure, Check  
Elevator Hinges/Secure/Free, Check  
Rudder Cables Secure/Tight, Check  
Rudder Hinges/Secure, Check  
Tie Down Remove

## PASSENGER BRIEFING

Light Sport Aircraft Review LSA Warning Placard  
Seat Belt Usage Demonstrate Usage  
Motion Sickness Notify PIC/Sick-Sack Location  
Emergency Egress Meet Behind Aircraft  
Fire Extinguisher Location/When To Use  
Push To Talk Button Where/Usage/Sterile Cockpit  
Canopy Latch Usage/Watch Head  
Rudder Pedals Location/Usage  
Switches/Controls Do Not Touch Unless Directed  
Traffic Awareness Scan/Notify PIC Of Traffic



Revision 25-02



System	Engine Limitations			
	RPM	Oil Temp	Oil Press	Fuel Press
	1400	50°C	12 psi	40.5 psi
	5800	130°C	102 psi	46.5 psi
Minimum				
Maximum				
Normal	N/A	90-110°C	29-73 psi	N/A

Velocity Speeds and Operating Limitations			
V <sub>R</sub> 55kts	V <sub>A</sub> 91kts	V <sub>FE</sub> 85kts	Best Glide 72kts
V <sub>X</sub> 65kts	V <sub>SO</sub> 40kts	V <sub>NO</sub> 120kts	Ceiling 12,000ft MSL
V <sub>Y</sub> 72kts	V <sub>S1</sub> 45kts	V <sub>NE</sub> 135kts	Max Crosswind 15kts

## ENGINE START

Tie-downs/Chocks	Removed
Parking Brake	Set
Seat Belts	Secure
Key	In Ignition
Master	ON
Lane A	ON
Lane B	ON
Main Fuel Pump	ON
EFIS Backup	ON
EFIS 1	ON
Strobe Light	ON
Flaps	1
Trim	Neutral
Fuel Selector	On Low Tank, Set
ECU Battery Backup	ON
<i>Wait For Lanes Lights Off, Fuel PSI Green</i>	
Throttle	Approx. 40%, Start Position
ECU Battery Backup	OFF
Surrounding Area	Clear
Ignition (Key)	Start
Throttle	2500RPM
Oil Pressure	Above 12 PSI, Check
Battery AMPs	Wait, Positive
Throttle	After Positive AMPs, 2000RPM
EFIS 2	ON
Avionics	ON

## BEFORE TAXI

Weather	Check
Altimeter(s)	Set
Transponder	Set
Flight Plan	Loaded
Taxi Brief	Completed
Taxi Light	When Aircraft Moving, ON

## RUN UP

Aircraft	Facing Into Wind
Parking Brake	Set
Canopy	Closed and Latched
Engine Gauges	All Green/Normal, Check
Fuel Selector	Switch Tanks
Flight Controls	Free and Correct
Throttle	Approx. 4000RPM
Lane A	OFF
RPM	Max Drop/Rise 250, Check
Lane A	ON
<i>Wait For Lane Light Off</i>	
Lane B	OFF
RPM	Max Drop/Rise 250, Check
Lane B	ON
<i>Wait For Lane Light Off</i>	
Throttle	Idle Check
Throttle	2000RPM
Aux Fuel Pump	ON
Main Fuel Pump	OFF
Fuel PSI	Green, Stable
Main Fuel Pump	ON
Breakers	Check
Takeoff Briefing	Complete

## BEFORE TAKEOFF

Canopy	Latched/Locked, Closed
EFIS Warning Light	OFF
Fuel Pumps	Both ON
Lights	Landing/Taxi/Nav Light, ON
Flaps	Set
Trim	Set
Stopwatch	When Cleared for Takeoff, Start

## CAUTION

Avoid prolonged ground runs facing out of the wind on hot days. If coolant temperature rises above 210°F, face aircraft into wind and increase power to 2500 RPM until coolant temperature returns to allowable range.

## CLIMB

Throttle	At or Below 5500RPM, Set
Flaps (Above 400ft AGL)	Up
EFIS Warning Light	OFF
Airspeed (Above 1500ft AGL)	75-90kts

## CRUISE

Throttle	At or Below 5500RPM, Set
Aux Fuel Pump (Above 2000ft AGL)	OFF
EFIS Warning Light	OFF

## DESCENT

Weather	Check
Altimeter(s)	Set
Aux Fuel Pump	ON
Lights	Landing/Taxi/Nav, ON
Fuel Selector	Fulllest Tank
Approach Briefing	Complete

## LANDING

EFIS Warning Light	OFF
Aux Fuel Pump	Verify, ON
Fuel Selector	Set

## AFTER LANDING

Clear Of All Runways	
Transponder	1200, Set
Aux Fuel Pump	OFF
Lights	Landing/Nav Light, OFF
Flaps	Up
Taxi Light	When Aircraft Moving, ON

## CAUTION

During extended slips, select the fuel tank on the raised wing (*same side as rudder input*) to avoid fuel unporting.

## SHUTDOWN

Throttle	IDLE
Parking Brake	Set
Lights	Except Strobe/All OFF, Set
EFIS 2	OFF
Avionics	OFF
Lane B	OFF
Lane A	OFF
Master	OFF
Key	Remove From Ignition
Fuel Pumps	Both OFF
Hobbs	Record
EFIS Backup	OFF
EFIS 1	OFF

## SECURE

Switches	Except Strobe, All OFF
Personal Items/Trash	Remove
Flight Controls	Tighten w/ Waist Belt, Secure
Sun Visor	Set
Pitot Cover	ON
Canopy	Closed
Tie Downs	Secure
Chocks	Set

## POST FLIGHT

Aircraft	Secure
Post Flight Walkaround	Complete
Aircraft Binder	Correct, Complete
Keys	In Binder