

<div>—INTERIOR PREFLIGHT—</div> <div>Pitot Tube Cover Remove Hobbs and Tach Check Certificates and DocumentsCheck Control Wheel RestraintsRemove Air Vent Fan Off AC (If Equipped) Off Circuit Breakers Check Carburetor Heat Off Mixture Idle Cut-Off Throttle Idle Interior Lights Off Radio Master Switch Off Auto Pilot Off All Switches Off Magnetos Off Battery Master Switch On Fuel Gauges Check Quantity Fuel Selector Less Full Tank Annunciator Panel Test Pitot Heat Inop AnnunciatorCheck Exterior Lights Check Stall Warning Horn Check Pitot Heat Check All Switches Off Battery Master Switch Off Flaps Extend(Check Visually) Trim Neutral Alternate Static Check Pitot / Static Systems Drain Fire ExtinguisherCheck Pressure</div> <div>—EXTERIOR PREFLIGHT—</div> <div>Right Flap and Aileron Check Right Wing Tip Condition / Lights Check Right Wing Leading EdgeCheck Right Wing Tie Down Remove Right Wing Lower SurfaceCheck Fuel Sump Sample Fuel Tank Vent Check Right Main Gear AssemblyCheck Fuel Quantity Check Fuel Cap Secure / Vent Open Right Wing Upper SurfaceCheck Fresh Air Inlet Check Wind Shield Check Clean Cowling Secure Oil 6-8 Quarts(Fly at 6) Exhaust Check Prop / Spinner Check Engine Cooling Inlets Check Nose Wheel Strut and TireCheck Air Filter Inlet Check</div>	<div>Cowling Secure Fuel Strainer Drain Fresh Air Inlet Clear Left Main Gear AssemblyCheck Fuel Sump Sample Fuel Tank Vent Check Fuel Quantity Check Fuel Filler CapSecured / Vent Open Left Wing Upper Surface Check Left Wing Tie Down Remove Left Wing Lower Surface Check Stall Warning Vane Check Pitot Mast Check Left Wing Leading Edge Check Left Wingtip Condition / Lights Check Left Flap and Aileron Check Left Side Fuselage Check Static Port Check AC door (If Equipped) Closed Empennage Check Stabilator and Trim Tab Check Control Surfaces Check Trim Tab Check Tail Tie Down Remove Right Side Fuselage Check Static Port Check Baggage Door Locked</div> <div>—BEFORE START—</div> <div>Preflight Inspection Complete Seats / Belts Adjust and Lock Cabin DoorsClosed and Latched Passengers Secured / Briefed Brakes Hold</div> <div>—ENGINE START—</div> <div>BATT MASTR Switch On ALTR Switch On Fuel PumpOn (Check Pressure) Magnetos On Strobe Lights On Nav. LightsOn (Night Ops. Only) Fuel Selector Less Full Tank Mixture Full Rich AreaClear(Visually and Verbally) Prime3-6 Strokes of the Throttle Throttle Open SLIGHTLY Starter Engage Throttle 1000 RPM Engine Instruments Check Fuel PumpOff (Check Pressure)</div>	<div>—BEFORE TAXI—</div> <div>Mixture Lean (EGT / RPM) Flaps Up(Check Visually) Circuit Breakers In Radio Master Switch On Avionics Set and Check Flight InstrumentsSet and Check Taxi Area Clear Brakes Release</div> <div>—TAXI—</div> <div>Brakes Check Flight Instruments Check</div> <div>—BEFORE TAKEOFF—</div> <div>Brakes Hold Flight ControlsFree and Correct Manual Electric Trim Test Autopilot Test Trim Set for Takeoff Fuel PumpOn (Check Pressure) Fuel Selector Fulllest Tank Mixture Rich Throttle 2000 RPM Magnetos Checked Max Drop 175 RPM Max Difference 50 RPM AmmeterCheck (Pitot Heat On then Off) Vacuum Gauge Check Engine Instruments Check Annunciator Panel Check Fuel PumpOff (Check Pressure) Carburetor HeatOn (Check RPM Drop) Throttle Idle Carburetor HeatOff (Check RPM Rise) Throttle 1000 RPM Circuit Breakers In Pitot Heat As Required</div> <div>Doors and WindowsClosed and Latched Seats / Belts Secure Flaps Set for Takeoff Air Conditioner (If equipped) Off Flight InstrumentsSet and Check Fuel PumpOn (Check pressure) Landing Light On Strobes On Transponder ALT / Check code Mixture Rich</div> <div>Takeoff Briefing Complete</div> <div>—CLIMB—</div> <div>Flaps As Required Climb Airspeed 76 KIAS At 500 Ft. AGL Flaps Up</div>	<div>—CRUISE—</div> <div>Cruise Power Set Mixture Set Landing Light Off Pitot Heat As Required Fuel Selector Set Fuel PumpOff(Check Pressure)</div> <div>—DESCENT—</div> <div>Seats / Belts Secure Fuel PumpOn(Check Pressure) Fuel Selector Fulllest Tank Mixture Set Descent Power Set Avionics Set and Check Flight InstrumentsSet and Check Engine Instruments Check Pitot Heat As Required Approach Briefing Complete</div> <div>—BEFORE LANDING—</div> <div>Seats / Belts Secure Landing Light On Fuel PumpOn(Check Pressure) Fuel Selector Fulllest Tank Mixture Rich Magnetos Both Engine Gauges Check Circuit Breakers In Air Conditioner (If equipped) Off</div> <div>—AFTER LANDING—</div> <div>Landing Light Off Lights As required Fuel Pump Off Mixture Lean (EGT / RPM) Transponder ALT Circuit Breakers In Trim Set For Takeoff Flaps Up</div> <div>Flight Plan Close</div> <div>—SHUTDOWN—</div> <div>RADIO MASTR Switch Off Air Conditioner (If equipped) Off Mixture Idle-Cut-Off All Switches / Lights Off Magnetos Off Master Switches Off Hobbs and Tach Record Seat Belts Secure Doors Lock Cowl Plugs/Pitot Cover Install Aircraft Tie Down</div>
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—V-SPEEDS—

V_r 60 KIAS
V_{SO} 45 KIAS
V_{S1} 50 KIAS
V_X 64 KIAS
V_Y 76 KIAS
V_{FE} 102 KIAS
V_A 113 KIAS
V_{NO} 125 KIAS
V_{NE} 154 KIAS
Best Glide 76 KIAS
Oil Min. 6 Max. 8 qt. (Fly at 6)
Max. Landing Weight 2550 lbs.

—ENGINE FAILURES—

—DURING TAKEOFF ROLL—

Throttle Idle
Brakes Apply
Mixture Idle-Cut-Off
Ignition Off
BATT MASTR Switch Off

**—IMMEDIATELY AFTER
TAKEOFF—**

Airspeed 76 KIAS
Attempt Engine Restart Procedure,
if Time Permits
If Engine Does Not Start:
Mixture Idle-Cut-Off
Fuel Valve Off
Magnetos Off
Flaps As Required
BATT MASTR Switch Off
Cabin Door Unlatch
Land As Briefed

—IN CRUISE FLIGHT—

(RESTART PROCEDURE)

Airspeed 76 KIAS
Possible Landing Area Identify
Fuel Selector Switch To Full Tank
Mixture Rich
Fuel Pump On
Carburetor Heat On
Ignition Switch Both or
Start (if propeller stopped)
When Power is restored:
Carburetor Heat Off
Fuel Pump Off
If Power is not restored, prepare for
Forced Landing.

—FORCED LANDINGS—

—WITHOUT ENGINE POWER—

Transponder 7700
Radio(s) 121.5 (if time permits)
Airspeed 76 KIAS
Flaps As required
Throttle Closed
Mixture Idle-Cut-Off
Magnetos Off
BATT MASTR Switch Off
ALTR Switch Off
Fuel Selector Off
Seats And Seat Belts Upright / Tight

—FIRES—

—ENGINE FIRE DURING START—

Cranking Continue
Mixture Idle Cut-Off
Throttle Full open
Electric Fuel Pump Off
Fuel Selector Off
If Fire Continues, Abandon Plane

—FIRE IN FLIGHT—

Source Of Fire Check

Electrical Fire:

BATT MASTR Switch Off
ALTR Switch Off
Vents Open
Cabin Heat Off
Land As Soon As Possible

Engine Fire:

Fuel Selector Off
Throttle Closed
Mixture Idle Cut-Off
Electric Fuel pump Off
Heater / defroster Off
Proceed With Power Off Landing

**Always Check POH For Other
Emergency Checklists**



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