

Challenge	Response
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AIRCRAFT ACCEPTANCE

Pitot Tube Cover.....	REMOVE
Magnetos.....	CHECK OFF
Control Lock.....	REMOVE
Maintenance Status / Tachometer.....	CHECKED
Avionics Switch.....	OFF
Master Switch.....	ON
Flaps.....	DOWN
Fuel Quantity.....	CHECK QUANTITY
Avionics Switch.....	ON
Avionics Fan.....	CHECK OPERATION
~~Annunciator Panel~~	TEST
Avionics Switch.....	OFF
Pilot Heat.....	CHECKED
Master Switch.....	OFF
Alternate Static Air.....	OFF
Fire Extinguisher.....	CHECKED
Hobbs/Tach.....	RECORDED
AR(R)OW.....	CHECKED

BEFORE STARTING ENGINE

Preflight Inspection.....	COMPLETE
Seat Belts / Harnesses.....	ON
Doors.....	CLOSED AND LATCHED
Passenger Briefing.....	COMPLETE
Circuit Breakers.....	CHECK IN
Electrical Equipment.....	OFF
Cowl Flaps.....	OPEN
Fuel Selector.....	BOTH
Brakes.....	SET

STARTING ENGINE

Throttle.....	OPEN ¼ INCH
Propeller Control.....	HIGH RPM
Mixture Control.....	IDLE CUT-OFF
Propeller Area.....	CLEAR
Master Switch.....	ON
Beacon.....	ON
Fuel Pump.....	AS REQUIRED
Mixture Control.....	IF REQUIRED ADVANCE TO FUEL FLOW RISE
Mixture Control.....	IDLE CUT-OFF
Fuel Pump.....	OFF
Magneto Switch.....	START
Mixture Control.....	ADVANCE AFTER START
Throttle.....	1000 RPM
Oil Pressure.....	CHECKED
Avionics Switch.....	ON
Lights.....	AS REQUIRED
Flaps.....	UP
Mixture.....	LEAN

TAXI

Seat / Seat Belts.....	SECURE
Brakes / Steering.....	CHECKED
Instruments.....	CHECKED
Transponder.....	VERIFY ALT

Challenge	Response
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BEFORE TAKEOFF

Parking Brake.....	SET
Seats and Seatbelt.....	UPRIGHT/SECURE
Flight Controls & Trim.....	CHECKED
Electric Trim & Autopilot.....	CHECKED
Fuel Quantity.....	CHECKED
Flight Instruments.....	CHECKED
Radios, GPS, Flight Director.....	SET
CDI Switch.....	SET
Transponder.....	CODE SET
Mixture.....	RICH
Throttle.....	1800 RPM
Magnetos (Max. 150 rpm / 50 diff.).....	CHECKED
Propeller.....	CYCLED
~~Vacuum Indicator~~	CHECKED
Engine Instruments & Ammeter.....	CHECKED
~~Annunciator Panel~~	CHECKED
Throttle.....	CHECK IDLE
Throttle.....	1000 RPM
Departure Briefing.....	COMPLETE
Doors & Windows.....	CLOSED

LINE UP

Flaps and Trim.....	SET
Cowl Flaps.....	OPEN
Mixture.....	AS REQUIRED
Exterior Lights.....	ON
Pitot Heat.....	AS REQUIRED

CLIMB

Flaps.....	UP
Power.....	SET
Mixture.....	LEAN
Engine Gauges.....	CHECKED
Airspeed.....	VY until 1000' then 85-95 KIAS
Trim.....	SET

CRUISE

Power.....	SET (80% MAX)
Trim.....	SET
Mixture.....	LEAN
Cowl Flaps.....	CLOSED
Landing Light.....	OFF
Flight Instruments.....	CHECKED

DESCENT

Weather.....	CHECKED
Altimeters.....	SET
Power.....	AS REQUIRED
Mixture.....	AS REQUIRED
Cowl Flaps.....	CLOSED
Exterior Lights.....	AS REQUIRED
Approach Briefing.....	COMPLETE

Challenge	Response
BEFORE LANDING	
Passenger Briefing.....	COMPLETE
Seat Belts / Harnesses	ON
Fuel Selector	BOTH
Mixture.....	AS REQUIRED
Propeller.....	HIGH RPM
Flaps	SET
Landing Light	ON
Autopilot	OFF
AFTER LANDING	
Landing Light / Strobes	OFF
Trim	RESET
Mixture.....	AS REQUIRED
Flaps	UP
Cowl Flaps.....	OPEN
Pitot Heat.....	OFF
SECURING	
Brakes.....	SET
Throttle.....	IDLE
Avionics Switch	OFF
Magnetos.....	GROUND CHECK
Throttle.....	1300 RPM
Mixture.....	IDLE CUT-OFF
Magnetos / Keys.....	OFF & OUT
Electrical Equipment.....	OFF
Master Switch.....	OFF
Fuel Selector	LEFT or RIGHT
Hobbs / Tach Time	RECORD
Chocks / Control Lock & Tie Down	IN & SECURE
Pitot Tube Cover.....	ON
Windows	CLEAN