

PREFLIGHT OPERATIONS	
Cessna CE-172S	
COCKPIT (D)	
Pitot Tube Cover.....	REMOVE
Cowl Plugs.....	REMOVE
AFM/POH.....	CHECK
Hobbs/Tach.....	CHECK
Avionics Guides.....	CHECK
-MFD	
-GPS	
-Autopilot	
Aircraft Discrepancy Log.....	CHECK
Certificates.....	CHECK
VOR Log.....	CHECK
Control Lock.....	REMOVE
Parking Brake.....	TESTED/SET
Circuit Breakers.....	CHECK
Position Lights.....	ON
Ignition Switch.....	OFF
Avionics.....	OFF
Avionics Master Switch.....	OFF
Throttle/Mixture.....	IDLE/ICO
Propeller Area.....	CLEAR
Master Battery Switch.....	ON
Wing Flaps.....	30
Fuel Quantity.....	CHECK
Annunciators.....	CHECK
Exterior Lights.....	CHECK
Pitot Heat.....	CHECK
Cockpit Lights (night).....	CHECK
Master Battery Switch.....	OFF
Fuel Selector Valve.....	BOTH
Fuel Shutoff Valve.....	ON
Alternate Static Valve.....	OFF
Fire Extinguisher.....	CHECK
Survival Kit.....	CHECK
Fuel Sump Valves (13).....	SAMPLE
TAIL (D)	
Autopilot Static Port.....	CHECK
Vertical Stabilizer.....	CHECK
VHF Nav. Antennas.....	CHECK
Left Horizontal Stabilizer.....	CHECK
Elevator & Trim Tab.....	CHECK
Tail Tie-down Rope.....	REMOVE
Tail Tie-down Ring.....	CHECK
Rudder.....	CHECK
Right Horizontal Stabilizer.....	CHECK
ELT Antenna.....	CHECK
Inspection Covers.....	CHECK
Fairings.....	CHECK

PREFLIGHT OPERATIONS	
Cessna CE-172S	
RIGHT WING (D)	
Main Landing Gear.....	CHECK
Wheel Chocks.....	REMOVE
Flap.....	CHECK
Aileron.....	CHECK
Wing Tip.....	CHECK
Wing Leading Edge.....	CHECK
Wing Tie-down Rope.....	REMOVE
Fresh Air Inlets.....	CHECK
Fuel Quantity & Cap.....	CHECK
VHF Com/GPS Antennas.....	CHECK
ADC/OAT Probe.....	CHECK
Inspection Covers.....	CHECK
Fairings.....	CHECK
NOSE (D)	
Engine Oil.....	6-8 QTS
Nose Landing Gear.....	CHECK
Alternator Drive Belt.....	CHECK
Propeller & Spinner.....	CHECK
Engine Compartment.....	CHECK
Engine Air Filter.....	CHECK
Engine Cowling.....	CHECK
GPU Door.....	CHECK
Engine/Systems Vents.....	CHECK
Static Port.....	CHECK
Inspection Covers.....	CHECK
Fairings.....	CHECK
LEFT WING (D)	
Fuel Quantity & Cap.....	CHECK
Fresh Air Inlets.....	CHECK
Pitot tube.....	CHECK
Fuel Tank Vent Tube.....	CHECK
Wing Tie-down Rope.....	REMOVE
Stall Warning Orifice.....	CHECK
Wing Leading Edge.....	CHECK
Wing Tip.....	CHECK
Aileron.....	CHECK
Flap.....	CHECK
Main Landing Gear.....	CHECK
Wheel Chocks.....	REMOVE
Transponder Antenna.....	CHECK
Marker Beacon Antenna.....	CHECK
Inspection Covers.....	CHECK
Fairings.....	CHECK
Windshield Sunshades.....	REMOVE/STOW
Baggage Door.....	LOCK
<i>"The preflight inspection is complete."</i>	

PREFLIGHT OPERATIONS	
Cessna CE-172S	
AIRCRAFT DATA	
Vg (max weight).....	68 KIAS
Vso.....	40 KIAS
Vs1.....	48 KIAS
Vx.....	62 KIAS
Vy.....	74 KIAS
Vfe (flaps 10).....	110 KIAS
Vfe (flaps 10-30).....	85 KIAS
Va (2550 lbs.).....	105 KIAS
Va (1900 lbs.).....	90 KIAS
Vno.....	129 KIAS
Vne.....	163 KIAS
Obstacle Clearance	
@2550 lbs.....	56 KIAS
@2400 lbs.....	54 KIAS
@2200 lbs.....	50 KIAS
Max. Ramp Wt.....	2558 Lbs.
Max. Takeoff Wt.....	2550 Lbs.
Max. Landing Wt.....	2550 Lbs.
Max. Baggage "A".....	120 Lbs.
Max. Baggage "B".....	50 Lbs.
Max. Baggage total.....	120 Lbs.
Total Fuel.....	56 Gallons
Usable Fuel.....	53 Gallons
Fuel @ Tabs.....	35 Gallons
Oil Capacity.....	8 Qts.
Oil Minimum.....	5 Qts.
Demo. Crosswind.....	15 KIAS
Main Tire Pressure.....	38 PSI
Nose Tire Pressure.....	45 PSI
LEGEND	
	Associated standard callout, briefing, or other verbal statement
	Special Attention Item
	Item not required for certain training procedures, but otherwise standard
	Emergency Procedure
	Procedure which may or may not be an emergency, depending on situation
(D)	"Read & Do" checklist, not required to be memorized
(F)	"Flow & Verify" checklist, must be memorized
	Immediate Action Item, must be memorized

NORMAL OPERATIONS	
Cessna CE-172S	
BEFORE STARTING ENGINE (F)	
Prayer.....	COMPLETE
Passenger Brief.....	COMPLETE
Wheel Chocks.....	RMVD
Parking Brake.....	SET
Seats/Seatbelts.....	UPRIGHT/.SECURE
Fuel Selector Valve.....	BOTH
Fuel Shutoff Valve.....	ON (IN)
Elevator Trim.....	SET
Alternate Static.....	OFF
Cabin Heat/Vents.....	SET
Position Lights.....	ON
Cockpit Lights (night).....	ON
Circuit Breakers.....	IN
Avionics Master Switch.....	OFF
Master Battery/Alternator Switch.....	ON
Voltmeter.....	APPROXIMATELY 24 VLTS
<i>"The before starting engine checklist is complete."</i>	
STARTING ENGINE (F)	
Red Anti-collision Light (Beacon).....	ON
Normal:	
-Throttle.....	HALF OPEN
-Aux Fuel Pump.....	ON
Move mixture control to rich until fuel flow stabilizes for cold engine or rich for 2 seconds for warm engine, then idle cutoff	
-Aux Fuel Pump.....	OFF
If engine is flooded:	
-Throttle.....	FULL
-Mixture.....	ICO
Throttle (unless flooded).....	1/8" OPEN
Propeller Area.....	CLEAR
Ignition Switch.....	START
Mixture.....	RICH
Throttle.....	700 RPM
Oil Pressure.....	STABLE

NORMAL OPERATIONS	
Cessna CE-172S	
AFTER STARTING ENGINE (F)	
Throttle.....	1200 RPM
Mixture.....	LEAN
Throttle.....	1000 RPM
Wing Flaps.....	UP
Engine Instruments.....	CHKD
Avionics Master Switch.....	ON
Avionics.....	ON/SET
Autopilot/Electric Trim.....	CHKD
Flight Instruments.....	CHKD/SET
Flight Controls/Trim.....	CHKD
Departure Brief.....	COMPLETE
Parking Brake.....	OFF
Toe Brakes.....	CHKD
Taxi Light.....	ON
Strobe Lights (sunrise to sunset).....	ON
<i>"The after starting engine checklist is complete."</i>	
TAXI (F)	
Flight Instruments (IFR ops).....	CHKD
Nose Wheel Steering.....	CHKD
Toe Brakes.....	CHKD
<i>"The taxi checklist is complete."</i>	
BEFORE TAKEOFF (D)	
Parking Brake.....	SET
Mixture.....	RICH
Throttle.....	1800 RPM
Engine Instruments.....	NORMAL
Magnetos (150/50).....	CHECK
Alternator.....	CHECK
Engine Idle.....	CHECK
Fuel Quantity.....	CHECK
Takeoff Brief.....	COMPLETE
Doors/Windows.....	SECURED
Wing Flaps.....	10
Runway Markings.....	CONFIRM
<i>"The before takeoff checklist is complete."</i>	
RUNWAY (F)	
Transponder.....	ALT
Compass/HI.....	CHKD
White Anti-collision Lights.....	ON
Landing Light.....	ON
Pitot Heat.....	AS REQ
Runway Markings.....	CONFIRMED
5P Check.....	COMPLETE
<i>"The runway checklist is complete."</i>	
AFTER TAKEOFF (F)	
Wing Flaps.....	UP
Engine Instruments.....	NORMAL
Mixture.....	LEAN @ 3000' MSL
<i>"The after takeoff checklist is complete."</i>	

NORMAL OPERATIONS	
Cessna CE-172S	
CRUISE (F)	
Fuel Selector.....	AS REQ
Throttle.....	55-75% POWER
Mixture.....	BEST POWER
Engine Instruments.....	NORMAL
Taxi/Landing Lights.....	OFF
Flight Instruments.....	MONITOR
5P Check.....	COMPLETE HOURLY
<i>"The cruise checklist is complete."</i>	
DESCENT (F)	
Fuel Selector Valve.....	BOTH
Throttle/Mixture.....	AS REQ
Taxi/Landing Lights.....	ON
Toe Brakes.....	CHKD
Seats/Seatbelts.....	UPRIGHT/SECURE
Approach Brief.....	COMPLETE
5P Check.....	COMPLETE
<i>"The descent checklist is complete."</i>	
PRELIMINARY LANDING (F)	
Mixture.....	RICH
Wing Flaps.....	10
5P Check.....	COMPLETE
<i>"The preliminary landing checklist is complete."</i>	
LANDING (F)	
Wing Flaps.....	AS REQ
Autopilot.....	OFF
Runway Markings.....	CONFIRMED
<i>"The landing checklist is complete."</i>	
AFTER LANDING (F)	
Wing Flaps.....	UP
Mixture.....	LEAN
Transponder.....	SBY
Landing Light.....	OFF
Strobe Lights (sunset to sunrise).....	OFF
Pitot Heat.....	OFF
<i>"The after landing checklist is complete."</i>	
STOP/TOUCH & GO (F)	
Trim.....	SET
Flaps.....	10
Mixture.....	RICH
Throttle.....	MAX

NORMAL OPERATIONS	
Cessna CE-172S	
PARKING (D)	
Parking Brake.....	AS REQ
Taxi Light.....	OFF
Strobe Lights.....	OFF
ELT.....	CHECK
Mixture.....	ICO
Ignition Switch.....	OFF
Red Anti-collision Light (Beacon).....	OFF
Times In.....	TRANSMIT
<i>"The parking checklist is complete."</i>	
SECURING (D)	
Avionics Master Switch.....	OFF
Master Battery/Alternator Switch.....	OFF
Position Lights.....	OFF
Hobbs/Tach/Fuel.....	RECORD
Control Lock.....	INSTALL
Wheel Chocks.....	INSTALL
Tie-down Ropes.....	AS REQ
Parking Brake.....	OFF
Pitot Tube Cover.....	INSTALL
Cowl Plugs.....	INSTALL
Windshield Sunshades.....	INSTALL
Discrepancies.....	RECORD
Post Flight Inspection.....	COMPLETE
<i>"The securing checklist is complete."</i>	

EMERGENCY OPERATIONS	
Cessna CE-172S	
ENGINE FIRE –STARTUP (F)	
Cranking.....	CONTINUE
If Engine Starts:	
Throttle.....	1800RPM/3 MIN
Engine.....	SHUTDOWN
If Engine Does Not Start:	
Throttle.....	MAX
Mixture.....	ICO
Ignition Switch.....	START
Fuel Shutoff Valve.....	OFF (OUT)
Auxiliary Fuel Pump.....	OFF
Magnetos.....	OFF
Master Battery/Alternator Switch.....	OFF
Fire Extinguisher.....	REMOVE
Evacuate Aircraft	
ENGINE FAILURE-TAKEOFF ROLL (F)	
Throttle.....	IDLE
Toe Brakes.....	AS REQ
Wing Flaps.....	UP
Mixture.....	ICO
Ignition Switch.....	OFF
If possible, contact ATC and request assistance	
Master Battery/Alternator Switch.....	OFF
ENGINE FAILURE-LOW ALT (F)	
Airspeed.....	65-70 KIAS
Identify & glide toward best landing area	
Mixture.....	ICO
Fuel Shutoff Valve.....	OFF (OUT)
Ignition Switch.....	OFF
Wing Flaps.....	AS REQ
If Time Permits:	
-Declare emergency with ATC or on 121.50	
-Activate ELT	
-Squawk 7700	
Master Battery/Alternator Switch.....	OFF
Cabin Doors.....	OPEN
ENGINE FAILURE INFLIGHT/RESTART (F)	
Airspeed.....	68 KIAS
Identify & glide toward best landing area	
Fuel Shutoff Valve.....	ON (IN)
Fuel Selector Valve.....	BOTH
Aux Fuel Pump.....	ON
Mixture.....	RICH
Ignition Switch.....	START/BOTH AS REQ
Aux Fuel Pump.....	AS REQ
If restart is unsuccessful, proceed with Emergency Landing	

EMERGENCY OPERATIONS	
Cessna CE-172S	
EMERGENCY LANDING (F)	
If Time Permits:	
-Declare emergency with ATC or on 121.50	
-Activate ELT	
-Squawk 7700	
Seats/Seatbelts.....	UPRIGHT/SECURE
Airspeed.....	65-70 KIAS
Mixture.....	ICO
Fuel Shutoff Valve.....	OFF (OUT)
Ignition Switch.....	OFF
Wing Flaps.....	AS REQ
Master Battery/Alternator Switch.....	OFF
Cabin Doors.....	OPEN
Ditching Differences:	
Wing Flaps.....	10
Face.....	CUSHION
Evacuate and Inflate Vest	
ENGINE FIRE-INFLIGHT (F)	
Mixture.....	ICO
Fuel Shutoff Valve.....	OFF (OUT)
Aux. Fuel Pump.....	OFF
Master Battery/Alternator Switch.....	OFF
Cabin Heat/Vents.....	OFF
Airspeed: 100 KIAS minimum to extinguish fire, and then proceed with Emergency Landing.	
WING FIRE (F)	
Lights/Pitot Heat.....	OFF
Sideslip.....	AS REQ
If Time Permits:	
-Declare emergency with ATC or on 121.50	
-Activate ELT	
-Squawk 7700	
SMOKE/CABIN FIRE (F)	
Master Battery/Alternator Switch.....	OFF
Cabin Heat/Vents.....	OFF
Fire Extinguisher.....	ACTIVATE
Avionics Master Switch.....	OFF
Lights/Pitot Heat.....	OFF
When fire is extinguished and if necessary:	
Cabin Heat/Vents.....	OPEN
Master Battery/Alternator Switch.....	ON
Circuit Breakers.....	CHECK, DO NOT RESET
Avionics (each unit), Electrical Switches.....	OFF
Avionics Master Switch.....	ON
Avionics, Elec. Switches.....	ON ONE AT A TIME
Land as soon as possible.	

EMERGENCY OPERATIONS	
Cessna CE-172S	
SPIN RECOVERY (F)	
Throttle.....	IDLE
Ailerons.....	NEUTRAL
Rudder.....	OPPOSITE
Elevator.....	FORWARD
AIRFRAME ICE (F)	
Climb, Descend, or Turn to Exit	
Cabin Heat.....	ON
Defrosters.....	OPEN
Alternate Static.....	ON
Pitot Heat.....	ON
Throttle/Mixture.....	AS REQ
Windows.....	OPEN AS REQ
Wing Flaps.....	UP FOR LNDNG
CO LVL HIGH (F)	
Cabin Heat.....	OFF
Cabin Air.....	ON
Cabin Vents.....	OPEN
Cabin Windows.....	OPEN
If the CO LVL HIGH indicator circle remains dark, land ASAP.	