



NORMAL PROCEDURES CHECKLIST - CESSNA 172S G1000

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BEFORE STARTING ENGINE

Preflight COMPLETE
Passenger Briefing SAFETY
Seats & Seat Belts ADJUST & LOCK
Brake TEST & SET
Circuit Breakers CHECK IN
Electrical Equipment OFF
Avionics BUS 1 & 2 OFF
Fuel Selector BOTH
Fuel Shutoff Valve ON/PUSH IN

COLD ENGINE START

Throttle OPEN ¼"
Mixture IDLE CUTOFF
Standby Battery Switch TEST & ARM
PFD VERIFY ON
Engine Instruments NO RED X
BUS E Volts 24 V MIN
M BUS Volts 1.5 V MAX
BATT S Amps VERIFY DISCHARGE
STBY BATT Annunciator VERIFY SHOWN
Prop Area CLEAR
Master Switch ON
Flashing Beacon ON

****Priming**

Aux Fuel Pump ON
Mixture FULL RICH (3-5 seconds)
Mixture IDLE CUTOFF
Aux Fuel Pump OFF**
Ignition Switch START (until engine starts)
Mixture ADVANCE (when engine starts)
Throttle 1000 RPMs
Oil Pressure CHECK
Amps BATT S & M NO DISCHARGE
Low Volts Annunciator CHECK NOT SHOWN
Nav Lights AS REQUIRED
Avionics BUS 1 & 2 ON
Flaps RETRACT

WARM ENGINE START

Cold Engine Start > Omit Priming

FLOODED ENGINE START

Normal Start Except: Do Not Prime, Throttle ½ to Full,
Mixture Idle Cutoff, Ignition Start, Once Engine Starts,
Mixture Full Rich, Throttle Close Promptly, Continue
With Regular Start

AFTER START/BEFORE TAXI

Mixture LEAN FOR TAXI
COM Frequencies SET
AWOS/ATIS COPY
Flight Instruments CHECK
Transponder CHECK SQUAWK
Brakes/Steering TEST
Obtain Clearance AS REQUIRED

RUN UP

Parking Brake SET
Seat Backs UPRIGHT
Seats & Seat Belts CHECK SECURE
Cabin Doors CLOSED & LOCKED
Flight Controls FREE & CORRECT
Flight Instruments CHECK & NO RED X
G1000 ALT SEL SET
Standby Instruments CHECK
Altimeters (PFD & Standby) SET
Fuel Quantity CHECK APPROPRIATE
Mixture RICH
Fuel Selector BOTH

***Autopilot Check (if installed)**

A/P ENGAGE
Flight Controls OVERPOWER BY HAND
A/P Trim Disc Button PRESS
A/P VERIFY DISENGAGED & AURAL ALERT
Flight Director OFF*
Elevator Trim Control SET T/O
Throttle 1800 RPM
Magnetos BOTH > L > BOTH > R > BOTH
Note RPM drops, max drop 150, 50 differential
Vacuum Gauge CHECK
Engine Instruments CHECK
Ammeter CHECK
Annunciations NOT SHOWN
Throttle CHECK IDLE
Throttle 1000 RPMs

BEFORE TAKEOFF

Throttle Friction Lock ADJUST
COM/NAV Frequencies SET
GPS/FPL SET
Transponder ALT
CDI Softkey SELECT NAV SOURCE
12V Power Switch OFF
Wing Flaps SET FOR T/O (0° - 10°)



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Cabin Windows CLOSED
Strobe Lights ON
Mixture LEAN IF DELAY EXPECTED
Brief Departure/Abort Plan/Emergencies
Mixture RICH ONCE CLEARED
Brakes RELEASE

TAKEOFF - FLAPS LIGHTS CAMERA ACTION

Wing Flaps 0° - 10°
Mixture FULL RICH (below 3000')
Throttle FULL OPEN
Rotate 55 KIAS
Climb 70 - 80 KIAS
Wing Flaps RETRACT

SHORT FIELD TAKEOFF

Wing Flaps 10°
Brakes APPLY
Mixture FULL RICH (below 3000')
Throttle FULL OPEN
Brakes RELEASE
Climb Speed 56 KIAS THEN V_x/V_y
Wing Flaps RETRACT

ENROUTE CLIMB

Airspeed 70 - 85 KIAS
Throttle FULL OPEN
Mixture LEAN ABOVE 3000'

CRUISE

Power 2100 - 2700 RPMs
Elevator Trim ADJUST
Mixture LEAN

DESCENT

Power AS REQUIRED
Mixture ADJUST
NAV/COM Frequencies SET
AWOS/ATIS COPY
Altimeters (PFD & STANDBY) SET
ALT SEL/CDI/GPS SET
Fuel Selector BOTH

BEFORE LANDING

Seats & Seat Belts SECURED
Fuel Selector BOTH
Mixture RICH
Landing Light ON

BEFORE LANDING (continuation)

Autopilot/12V Power Switch OFF

NORMAL LANDING

Airspeed Flaps Up 65 - 75 KIAS
Flaps FULL
Airspeed Flaps Down 60 - 70 KIAS
Touchdown MAIN WHEELS
Landing Roll NOSE DOWN GENTLY
Braking MINIMUM REQUIRED

SHORT FIELD LANDING

Airspeed Flaps Up 65 - 75 KIAS
Flaps FULL
Airspeed 61 KIAS (FLARE)
Power IDLE AFTER OBSTACLE
Touchdown MAIN WHEELS
Landing Roll NOSE DOWN GENTLY
Braking MAX REQUIRED
Wing Flaps RETRACT

GO AROUND

Throttle FULL OPEN
Wing Flaps RETRACT TO 20°
Climb Speed 60 KIAS (until obstacle cleared)
Wing Flaps RETRACT TO 10°
Climb Speed 65 KIAS
Wing Flaps RETRACT

AFTER LANDING

Clear The Runway CHECK
Wing Flaps UP
Mixture LEAN FOR TAXI
Landing Light OFF

SHUTDOWN/SECURING AIRPLANE

Parking Brake SET
Throttle IDLE
Electrical Equipment (Except Beacon) OFF
Avionics (BUS 1 & 2) OFF
Mixture IDLE CUTOFF
Ignition Switch OFF
Key OUT
Master Switch OFF
Standby Battery Switch OFF
Control Lock INSTALL
Fuel Selector LEFT OR RIGHT
Chocks & Tie Downs CONNECT