

CESSNA 172S

Abbreviated Normal Procedures Card

Serials 172S10468, 172S10507, 172S10640 and 172S10656 and On



TEXTRON AVIATION

For use by pilots familiar with the Normal Procedures in the FAA Approved AFM/POH. Refer to 172SCLBUS-04 as revised for the complete procedures, including all Warnings, Cautions and Notes.

Before Start

Preflight Inspection	Complete
Passenger Briefing	Complete
Seats / Seat Belts	Adjust and Lock
Brakes	Test and Set
Circuit Breakers	Check IN
Electrical Equipment	OFF
Avionics (Bus 1 & Bus 2)	OFF
FUEL SELECTOR	BOTH
FUEL SHUTOFF Valve	ON (Push full in)

Starting Engine (With Battery)

Throttle	1/4" Open
Mixture	Idle Cutoff
STBY BATT	TEST then ARM
Engine Instruments	Check
BUS E Volts	Check (24V min)
M Bus Volts	Check (1.5V max)
BATT S Amps	Check (Verify Discharge)
STBY BATT Annunciator	Check (Displayed)
Propeller Area	CLEAR
MASTER (ALT & BAT)	ON
BEACON Light	ON

(Omit priming if engine is warm):

FUEL PUMP	ON
Mixture	Rich / 3-5 sec / Cutoff
FUEL PUMP	OFF
MAGNETOS	START
Mixture	Smoothly to Rich

After Start

Oil Pressure	Check
Electrical System	Check
NAV Lights	As Required
Avionics (BUS 1 & BUS 2)	ON
FUEL QTY	Check and Set

Taxi

Exterior Lights	As Required
Brakes / Nosewheel Steering	Check
Mixture	Lean (As Required)
Flight Instruments	CHECK / No RED X's

Engine Run-Up

Parking Brake	Set
Pilot and Passenger Seats	Most Upright Position
Seats / Seatbelts	Secured and Latched
Cabin Doors	Closed and Locked
Autopilot	Engage
Flight Controls	Can Be Overpowered
A/P TRIM DISC	Press
Electric Elevator Trim	Check
Elevator Trim	Set for Takeoff

(Continued)

Engine - Runup (Continued)

Flight Controls	Free and Correct
Mixture	Rich
Throttle	1800 RPM
MAGNETOS	Check
Engine Instruments	Check
VAC Indicator (if installed)	Check
Ammeters and Voltmeters	Check
Throttle	Check Idle / 1000 RPM
Standby Flight Instruments	Check
Radios, FPL, XPDR, CDI, FD, ALT SEL	Set
Altimeters	Set
Annunciators	Verify Extinguished

Before Takeoff

CABIN PWR 12V	OFF (if installed)
FUEL SELECTOR	BOTH
Flaps	UP-10°
Mixture	Rich or As Required
MAGNETOS	BOTH

CLEARED / READY FOR TAKEOFF

Doors and Windows	Closed and Locked
Exterior Lights	As Required
Messages / Alerts	Check

Normal Takeoff

Throttle	Full
Mixture	Rich
	(Lean for max RPM above 3000 PA)
Rotate	55 KIAS
Climb Airspeed	70 - 80 KIAS
Flaps (at Safe Altitude)	Retract

Short Field Takeoff

Flaps	10°
Brakes	Apply
Throttle	Full
Mixture	Rich
	(Lean for max RPM above 3000 PA)
Brakes	Release
Climb Airspeed (until clear of obstacles)	56 KIAS
Flaps (at 60+ KIAS)	Retract Slowly

After Takeoff / Climb

Airspeed	70 - 85 KIAS
Throttle	FULL
Mixture	Rich
	(Lean for max RPM above 3000 PA)
Exterior Lights	As Required

Cruise

Power	Set
Elevator Trim	Adjust
Mixture	Lean
FMS/GPS	Review and Brief

Descent / Approach

Power	As Desired
Mixture	Adjust
Altimeters	Set
ALT SEL	Set
Avionics / Flight Instruments	Check and Set
FUEL SELECTOR	BOTH
Flaps	As Required

Before Landing

Pilot and Passenger Seats	Most Upright Position
Seats / Seatbelts	Secure and Locked
FUEL SELECTOR	BOTH
Mixture	Rich
LAND and TAXI Lights	ON
Autopilot	Disengage
CABIN PWR 12V	OFF (if installed)

Normal Landing

Airspeed	Flaps Up (65 - 75) KIAS Full (60 - 70) KIAS Short Field: (61 KIAS)
Elevator Trim	Adjust
Power	As Required Short Field (Reduce to Idle as obstacles cleared)
Touchdown	Main Wheels First
Braking	Minimum Required Short Field: (Apply Heavily & Flaps UP)

Balked Landing

Throttle	FULL
Flaps	Retract to 20°
Climb Airspeed	60 KIAS
Flaps (As obstacle is cleared)	10° then Up (After safe altitude reached and 65+ KIAS)

After Landing

Flaps	Up
Exterior Lights	As Required

Shutdown

Parking Brake	Set
Throttle	Idle
Electrical Equipment	OFF
Avionics (BUS 1 & BUS 2)	OFF
Mixture	Idle Cutoff
MAGNETOS	OFF
Master (ALT & BAT)	OFF
STBY BATT	OFF
Control Lock	Install
FUEL SELECTOR	LEFT or RIGHT

Normal Operation Speeds (2550 lbs.)

V _{SO} /V _S	40 KIAS / 48 KIAS
V _X /V _Y	62 KIAS / 74 KIAS
V _{FE} (10°) / (10° - FULL)	110 KIAS / 85 KIAS
V _A	105 KIAS
V _{NO}	129 KIAS
V _{NE}	163 KIAS

Emergency Speeds

Best Glide (V _G)	68 KIAS
Landing Without Power	65 KIAS
Emergency Descent (Smooth Air)	163 KIAS