

TSS FLYING CLUB

CESSNA SKYHAWK (C-172 N/P) OPERATIONAL SUMMARY

	N711DA (-N)	N52126 (-P)
Best Glide	65 kts	65 kts
Vx (sea level)	59 kts	62 kts
Vy (sea level)	73 kts	76 kts
Va (min-max gross wt)	80-97 kts	85-105 kts
Final Approach (With full flaps)	60-65 kts	60-65 kts
Usable Fuel	50 gallons	50 gallons
Oil Level	6 qts	6 qts
Tire Pressure	Mains: 38 psi Nose: 45 psi	Mains: 38 psi Nose: 45 psi
Takeoff Power	2280-2400 rpm	2250-2420 rpm

Leaning the Mixture on the Ground –

After starting the engine, with throttle at 1,000 RPM, pull/twist the mixture out slowly, in increments, until you get a slight rise in RPM. Leave the mixture in this position for taxi. Advance the mixture to full rich just before takeoff.

Engine won't start? Is it extremely hot or cold outside? Battery dead?

Consult the Pilot's Operating Handbook for specific instructions.

In any emergency... FLY THE AIRPLANE !

CESSNA SKYHAWK (C-172 N/P) NORMAL CHECKLIST

PREFLIGHT

CABIN

Documents (ARROW)..... ON BOARD
Control LockREMOVE
Tie-Downs, Covers.....REMOVE
Master & Ignition OFF
Electrical Switches OFF
Master Switch..... ON
Fuel Gauges..... CHECK QUANTITY
Flaps.....EXTEND
LightsCHECK
Pitot Heat..... AS REQUIRED
Master Switch & Lights..... OFF

EXTERIOR

L&R Wing SumpsCHECK
Belly DrainCHECK
Fuel & Oil LevelsCHECK
Windshield CLEAN
Baggage Door SECURE
Left Side FuselageCHECK
EmpennageCHECK
Right Side Fuselage.....CHECK
Right Wing & SurfacesCHECK
Right Tire & BrakeCHECK
Nose GearCHECK
Cowl, Prop & Spinner.....CHECK
Air Intake, Alt Belt & Bracket...CHECK
Static Port.....CHECK CLEAR
Left Wing & SurfacesCHECK
Fuel Vent & Pitot Tube CLEAR
Stall WarningCHECK
Left Tire & BrakeCHECK
Chocks.....REMOVED
WalkaroundCOMPLETE
Pax Briefing.....COMPLETE

If able, please push airplane over tie-down cable before getting in to start up.

ENGINE START

Seats & BeltsSET & SECURED
Circuit Breakers IN
Cabin & Panel LightsOFF
Avionics Master OFF
Brakes..... TEST & SET
Fuel Selector.....OFF, then BOTH
Mixture FULL RICH
Throttle..... OPEN ¼ INCH
Carb Heat..... OFF
BeaconON
PrimerAS NECESSARY
Prop Area..... CLEAR & CALL
Master SwitchBATTERY ON
Ignition START
Oil Pressure UP < 30 seconds
AlternatorON/CHECK AMMETER
Throttle..... 1000
MixtureLEAN FOR TAXI
** See leaning guidelines on front page.*
FlapsRETRACT
Avionics & IntercomON
AWOS/ATIS/ClearanceOBTAIN
Transponder & Radios..... SET
GPS CHECK DB/SET FLT PLAN

TAXI CHECK (IFR)

Taxiway CLEAR
Brakes..... TEST
ASI, VSI CHECK FOR "0"
Left Turns CHECK
** Wing left, ball right, DG -, MC -*
Right Turns CHECK
** Wing right, ball left, DG +, MC +*
Attitude Indicator<5 deg in a turn
Magnetic CompassNO BUBBLES
Alternate Static CHECK
Vacuum, Alternator, Amp CHECK

CESSNA SKYHAWK (C-172 N/P) NORMAL CHECKLIST

ENGINE RUNUP & SYSTEMS

Nose Wheel STRAIGHT
 Flight Controls FREE & CORRECT
 Flight Instruments SET
 Radio & Transponder SET
 Fuel Selector BOTH
 Mixture FULL RICH
 Primer IN AND LOCKED
 Throttle 1700 RPM
 Engine Inst & Suction GREEN
 Ammeter CHECK
 Magnetos CHECK
** Max. 125 drop each, 50 rpm difference.*
 Carb Heat ON (~ 50 rpm drop?)
 Throttle IDLE
 Carb Heat OFF (rpm rise?)
 Throttle 1000
 Mixture LEAN FOR TAXI

PRE-TAKEOFF

Passenger Briefing COMPLETE
** Sterile cockpit; how will passengers get out of the plane after a forced landing?*

Pilot Self-Briefing COMPLETE
** Departure plan? Emergencies?*

Flaps SET FOR T/O
 Trim T/O
 Doors & Windows SECURE
 Seats & Belts SECURE
 Strokes & Lights ON
 Pitot Heat AS REQUIRED
 Transponder ALT
 Mixture FULL RICH
 Runway CLEAR
 Heading Indicator SET TO RWY

CRUISE

Throttle SET
 Mixture SET
 Lights AS REQUIRED
 Heading Indicator SET
 Engine Instruments CHECK

BEFORE LANDING

G Gas on both or fullest tank
U Undercarriage (Gear Down)
M Mixture RICH
P Prop FULL FORWARD
A Autopilot OFF
C Carb Heat ON

AFTER LANDING

Flaps RETRACTED
 Carb Heat OFF
 Trim FOR TAKEOFF
 Strokes & Lights OFF/AS REQ
 Mixture LEAN FOR TAXI

SHUTDOWN & PARKING

ELT Test Listen on 121.5
 Avionics, Lights OFF
 Fuel Selector RIGHT
 Throttle IDLE
 Magneto Grounding CHECK
 Throttle 1500 RPM (few seconds)
 Mixture IDLE CUTOFF
 Ignition OFF & REMOVE KEY
 Master Switch & Beacon OFF
 Time, Squawks RECORD
 Tie-Downs, Covers SECURE
 Control Lock INSTALL
 Doors LOCKED

*Call for fuel if required.
 Take your trash with you! ☺*

CESSNA SKYHAWK (C-172 N/P) EMERGENCY CHECKLIST

FIRE DURING ENGINE START

CRANKING CONTINUE

If engine starts:

Throttle 1700 (for few minutes)
 Engine SHUTDOWN & INSPECT

If engine fails to start:

CRANKING CONTINUE
 Fire Extinguisher OBTAIN
 Master/Ignition/Fuel OFF
 Parking Brake OFF
 Airplane EVACUATE
 Fire EXTINGUISH
 Fire Damage INSPECT

ENGINE FIRE IN FLIGHT

Mixture IDLE CUTOFF
 Fuel Selector OFF
 Master Switch OFF
 Cabin Heat & Air VENTS CLOSED
 Glide ESTABLISH 100 kts++

CABIN FIRE IN FLIGHT

Controlled Descent ESTABLISH
 Master Switch OFF
 Cabin Heat & Air VENTS CLOSED
 Fire Extinguisher ACTIVATE
 Cabin VENTILATE (windows)
 LAND IMMEDIATELY

AMMETER – EXCESSIVE CHARGE

Alternator Switch OFF
 Alternator CB PULL
 Non-Essential Electrical OFF
 Land AS SOON AS PRACTICAL

LOW-VOLTAGE WARNING LIGHT

Avionics OFF
 Alternator CB CHECK IN
 Master Switch OFF then ON
 Low-Voltage Light CHECK OFF
 Avionics ON

If light illuminates again:

Alternator OFF
 Non-Essential Electrical OFF
 Land AS SOON AS PRACTICAL

ENGINE FAILURE

Airspeed 65 kts (711DA, 52126)

Attempt a restart:

Fuel Selector BOTH
 Mixture FULL RICH
 Throttle CHECK
 Carb Heat ON
 Ignition BOTH (test L and R mags)
 Master Switch ON
 Primer IN and LOCKED

FORCED LANDING

“MAYDAY” CTAF/ATC/121.5
 Fuel Shutoff/Selector OFF
 Mixture IDLE CUTOFF
 Wing Flaps AS NECESSARY
 Pax BRACE FOR LANDING

Just before touchdown:

Master Switch OFF
 Doors UNLATCH & PROP OPEN
 Brakes APPLY HEAVILY