

CESSNA 172S (G1000)

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BEFORE START	
1) Preflight	COMPLETE
2) Passenger Brief	COMPLETE
3) Seats/Belts/Doors	SECURED
4) Brakes	TEST & SET
5) Circuit Breakers	ALL IN
6) Electrical Equipment	OFF
7) Beacon	ON
8) Fuel Selector	BOTH
9) Fuel Shutoff Valve	ON

ENGINE START	
1) Throttle	OPEN 1/4 INCH
2) Mixture	IDLE CUT-OFF
3) STBY Battery	TEST & ARM
4) E Bus Volts	> 24 VOLTS
5) M Bus Volts	< 1.5 VOLTS
6) Batt. S	DISCHARGING
7) Annunciators	NORMAL
8) Master Switch	ON
9) Prime (Omit w/Hot Engine):	
•Aux. Fuel Pump	ON
•Mixture	RICH
•Mixture	IDLE CUT-OFF
•Aux. Fuel Pump	OFF
10) Propeller Area	CLEAR
NORMAL/COLD START:	
11) Ignition	*START
Mixture	FULL RICH
12) Throttle	1000 RPM
13) Oil Pressure	CHECK
14) Mixture	LEAN FOR TAXI
15) Flaps	UP
16) Lights	AS REQUIRED
17) Avionics Master	ON
18) ATIS/Instruments	CHECK & SET
-Taxi check as required-	

* Note: Allow 20 sec. between starts for the first 3 start attempts--5 min. after 3 starts.

HOT/FLOODED START:	
11) Throttle	FULL OPEN (IN)
Ignition	*START
When Engine Starts:	
Mixture	FULL RICH
Throttle	IDLE
12)...	

RUN-UP	
1) Brakes	SET OR HOLD
2) Avionics	SET:
•Set Radio Frequencies	
•Set XPDR	
•Set GPS Flight Plan (Optional)	
•Check RAIM (IFR Only)	
3) Flight Instruments	CHECK:
•No Red X's	
•Set Altimeter Settings	
•Set STBY Instruments	
•Set ALT & HDG Bugs	
4) Fuel Qty.	CHECK & SET IN MFD
5) Flight Controls	CHECK
6) Autopilot	CHECK
7) Electric Trim	CHECK
8) Trim	SET FOR T/O
ENGINE RUN-UP:	
9) Mixture	RICH
10) Throttle	1800 RPM
11) Magnetos	CHECK:
•Max 150 RPM Drop	
•Max 50 RPM Between Mags	
12) Oil Pressure & Temp.	CHECK
13) Ammeter	CHECK
14) Suction ("Vac.")	CHECK
15) Annunciators	CHECK NONE
16) Throttle	IDLE CHECK
17) Throttle	1000 RPM
18) Mixture	LEAN FOR TAXI
DEPARTURE BRIEFING:	
19) Planned Departure	BRIEF
20) Emergencies	BRIEF:
•Engine Failure during takeoff	
•Engine Failure after takeoff	
21) Brakes	RELEASE

BEFORE TAKEOFF	
1) Lights	AS REQUIRED
2) Autopilot	OFF
3) Mixture	AS REQUIRED
4) Trim	SET FOR T/O
5) Flaps	0° OR 10°

~PLEASE LEAVE THIS CHECKLIST IN THE AIRPLANE~

CLIMB	
1) Airspeed	70-85 KIAS
2) Throttle	FULL OPEN
3) Mixture	LEAN (> 3,000')

CRUISE	
1) Lights	AS REQUIRED
2) Cruise Power	SET
3) Elevator Trim	SET
4) Mixture	ADJUST

DESCENT	
1) Power	SET
2) Mixture	ADJUST
3) Fuel Selector	BOTH
4) Lights	AS REQUIRED

BEFORE LANDING	
1) Seats/Belts	SECURED
2) Fuel Selector	BOTH
3) Mixture	AS REQUIRED
4) Autopilot	OFF
5) Lights	AS REQUIRED

AFTER LANDING	
1) Throttle	1000 RPM
2) Mixture	LEAN FOR TAXI
3) Flaps	UP
4) Trim	SET FOR T/O
5) Lights	AS REQUIRED

SHUTDOWN	
1) Brakes	SET OR HOLD
2) Avionics	OFF
3) Electrical Equip.	OFF
4) Mixture	IDLE CUT-OFF
5) Ignition	OFF & KEYS OUT
6) Master Switch	OFF
7) STBY Battery	OFF
8) Control Wheel	INSTALL
9) Fuel Selector	L OR R

ENGINE FAILURES

DURING TAKEOFF ROLL	
1) Throttle	IDLE
2) Brakes	APPLY
3) Flaps	RETRACT
4) Mixture	IDLE CUT-OFF
5) Ignition	OFF
6) STBY Battery	OFF
7) Master Switch	OFF

IMMEDIATELY AFTER TAKEOFF	
1) Airspeed	68 KIAS
2) Mixture	IDLE CUT-OFF
3) Fuel Shutoff Valve	OFF
4) Ignition Switch	OFF
5) Flaps	AS REQUIRED
6) STBY Battery	OFF
7) Master Switch	OFF
8) Cabin Doors	UNLATCH
~Land Straight Ahead~	

IN-FLIGHT

1) Airspeed	68 KIAS
2) Fuel Shutoff Valve	ON
3) Fuel Selector	BOTH
4) Mixture	RICH
5) Aux. Fuel Pump	ON
6) Ignition Switch	BOTH/START
IF ENGINE DOES NOT START:	
7) Aux. Fuel Pump	OFF
8) EXECUTE "POWER OFF LANDING" CHECKLIST	

POWER OFF LANDING

1) Seats/Seatbelts	SECURED
2) Mixture	IDLE CUT-OFF
3) Fuel Selector	OFF
4) Magnetos Switch	OFF
5) Declare Emergency	121.5/7700
6) Flaps	AS REQUIRED
7) STBY + Master Battery	OFF
8) Doors	UNLATCH
9) Touchdown	TAIL LOW + APPLY HEAVY BRAKING

FIRES

FIRE DURING START	
1) Ignition Switch	KEEP CRANKING
IF ENGINE STARTS:	
2) Power	1800 RPM FOR 3 MINS
3) Engine	SHUTDOWN
CHECKLIST CONTINUED:	
4) Throttle	FULL OPEN
5) Mixture	IDLE CUT-OFF
6) Starter	CONTINUE CRANKING
7) Fuel Shutoff Valve	OFF
8) Aux. Fuel Pump	OFF
9) Ignition Switch	OFF
10) STBY Battery	OFF
11) Master Switch	OFF
12) Engine	SECURE
13) Parking Brake	SET
14) Fire Extinguisher	ACTIVATE
15) Airplane	EVACUATE
16) Fire	EXTINGUISH
17) Fire Damage	INSPECT

IN-FLIGHT FIRE	
1) Mixture	IDLE CUT-OFF
2) Fuel Shutoff Valve	OFF
3) Aux. Fuel Pump	OFF
4) STBY Battery	OFF
5) Master Switch	OFF
6) Cabin Heat & Air	OFF
7) Airspeed	100 KIAS
8) EXECUTE "POWER OFF LANDING" CHECKLIST	

ELECTRICAL FIRE	
1) STBY Battery	OFF
2) Master Switch	OFF
3) Vents/Cabin Air/Heat	OFF
4) Fire Extinguisher	ACTIVATE
5) Avionics Master	OFF
6) Electrical Equipment	OFF
AFTER FIRE IS EXTINGUISHED:	
7) Vents/Cabin Air/Heat	OPEN
8) Master Switch	ON
9) Circuit Breakers	DO NOT RESET
10) Avionics Switch	OFF
11) Radio/Electrical Switches:	TURN ON 1 AT A TIME

CABIN FIRE	
1) Master Switch	OFF
2) Vents/Cabin Air/Heat	OFF
3) Fire Extinguisher	ACTIVATE
AFTER FIRE IS EXTINGUISHED:	
4) Vents/Cabin Air/Heat	OPEN
5) Land AS SOON AS POSSIBLE!	

WING FIRE	
1) Exterior Lights	OFF
2) Pitot Heat	OFF
3) Sideslip	EXECUTE (Fire away from fuselage)
4) Land AS SOON AS POSSIBLE!	

REFER TO THE POH FOR FULL & COMPLETE PROCEDURES

ELECTRICAL

HIGH VOLTS or M BUS AMPS >40	
1) Master Switch	OFF
2) Electrical Load	REDUCE:
a) Avionics Switch	OFF
b) Pitot Heat	OFF
c) Beacon Light	OFF
d) Landing Light	OFF
e) Taxi Light	OFF
f) Nav. Lights	OFF
g) Strobe Lights	OFF
h) Cabin Pwr (12V)	OFF