

CESSNA 172R/S NORMAL CHECKLIST

PREFLIGHT	
<i>Cabin</i>	
Documents	A R O W
Control Lock	Remove
Magnetos	Off
Avionics	Off
Master Switch	On
Fuel Quantity	Check
Avionics Master	On
Avionics Fan	Check
Avionics Master	Off
Flaps	Down
Lights and Pitot Heat	Check then Off
Master Switch	Off
Fuel Shutoff Valve	Off (In)
Fuel Selector	Both
<i>Empennage</i>	
Baggage Door	Secure
Control Surfaces	Check
Antennas	Secure
<i>Right Wing</i>	
Right Flap	Check
Right Aileron	Check
Wingtip and Leading Edge	Check
Right Tank Sumps	Check x 5
Right Tire* and Brake	Check
<i>Nose</i>	
Engine Oil	6-7 Qts
Fuel Strainer	Check x 3
Exhaust	Secure
Tire* and Strut	Check
Prop and Spinner	Check
Cooling Intakes	Clear
Alternator Belt	Secure
Air Filter	Clear
Static Port	Clear
<i>Left Wing</i>	
Left Leading Edge	Check
Pitot Tube	Clear
Stall Warning Inlet	Clear
Fuel Vent	Open
Left Wingtip	Check
Left Aileron	Check
Left Flap	Check
Left Tank Sump	Check x 5
Left Tire* and Brake	Check
*Tire Pressure	Nose 34 PSI, Main 28 PSI
**	See reverse side for hot/flooded start

PRE-START		
Preflight	Complete	
Passenger Briefing	Complete	
Seats, Belts, Harness	Secure	
Brakes	Hold	
Avionics	Off	
Circuit Breakers	Check In	
Fuel Selector	Both	
**START		
Beacon	On	
Master Switch	On	
Mixture	Rich	
Throttle	Full	
Fuel Pump	ON, 5 GPH, OFF	
Throttle	1/4 Inch Open	
Mixture	Idle Cut-off	
Propeller Area	Clear	
Magnetos	Start	
Mixture	Rich	
Throttle	800 RPM	
Oil Pressure	Check	
Taxi light	On	
Avionics	On	
Mixture	Taxi Lean	
Flaps	Retract	
Transponder	On	
TAXI		
ATIS/ Taxi Clearance	Obtain	
Brakes	Check	
Turn Instruments	Check	
GENERAL INFO 172 R 172S		
Vr	55	55
Vx	60	62
Vy	79	74
Vso	33	40
Vs	44	48
Va	99	105
Vfe 10	110	110
Vfe 20-30	85	85
Vno	129	129
Vne	163	163
Vglide	65	65
X-wind	15	15
Max Takeoff Wt	2450	2550
Max Landing Wt	2450	2550
Max Baggage	120	120
Usable Fuel (Full)	53	53
Fuel at Filler Neck	35	35

CESSNA 172R/S NORMAL CHECKLIST

RUNUP	
Brakes	Hold
Fuel Selector	Both
Trim	Takeoff
Flight Controls	Free and Correct
Flight Instruments	Set and Correct
Mixture	Rich
Throttle	1800 RPM
Magnetos	Check (150/50)
Vacuum	Check
Amps / Volts	Check
Oil Pressure	Check
Oil Temperature	Check
Annunciator Panel	Test
Throttle	Idle Check
Departure	Review
PRE-TAKEOFF	
Flaps	0-10
Mixture	Best Power
Transponder	Sqawk/Alt.
Lights	As Required
NORMAL TAKEOFF	
Throttle	Full
Oil Pressure	Check
Rotate	55
Short Field - 10 flaps, Brakes hold, Power full, Brake Release, Vr, Climb 57 kts till obs clear	
Soft Field - Flaps 10, Elevator full aft, Accelerate in ground effect to Vy	
CLIMB	
Flaps	Retract
Mixture	Lean abv 3000
Throttle	Full
Landing Light	Off
Instruments	Check
Speed	Vy
CRUISE	
Throttle	Set
Mixture	Lean
Heading Indicator	Check

DESCENT	
Fuel	Both
Power	As Required
Mixture	As Required
BEFORE LANDING	
GUMPS	
Gas	Both
Undercarriage	Down
Mixture	Rich
Power	Set
Seatbelts	Secure
Flaps	Set
Landing Light	On
Short Field - Flaps Full, Approach 62, Clear 50' obs, touchdown on spot, Retract flaps, Max brakes	
Soft Field - Full Flaps, Approach 65, Touchdown as soft/slow as possible, keep nose off runway	
REJECTED LANDING	
4 C's	
Cram	Power
Climb	Attitude
Clean	Gear and Flaps
Communicate	Go-Around
AFTER LANDING	
Flaps	Retract
Mixture	Ground Lean
Lights	As Required
Transponder	On
SHUTDOWN	
Avionics	Off
Lights/Pitot Heat	Off
Mixture	Idle Cut-off
Magnetos	Off
Master	Off
Transponder	Standby
SECURING	
Control Lock	Install
Tie-Down / Chocks	Secure
Cowl / Pitot Plugs	Install
Clean	Windows
Lock	All Doors

CESSNA 172R/S EMERGENCY CHECKLIST

CESSNA 172R/S EMERGENCY / MISC CHECKLIST

ENGINE FAILURE AFTER T/O	
Airspeed	65 KTS
Mixture	Idle Cutoff
Fuel Shutoff Valve	Off (Pull)
Mags	Off
Flaps	As Required
Master	Off
Door	Unlatch
Land	Straight Ahead

ENGINE FAILURE DURING FLIGHT	
Airspeed	65 KTS
Landing Spot	Select
Fuel	Both
Fuel Shutoff	On
Mixture	Full
Throttle	Full
Aux Pump	On
Mags	On

EMERGENCY LANDING WITHOUT POWER	
Seats and Seatbelts	Secure
Airspeed	65 KTS
Fuel Shutoff	Off (Pull)
Mixture	Cut-Off
Throttle	Idle
Mags	Off
Aux Fuel Pump	Off
Flaps	As Required
Master	Off
Doors	Unlatch

PRECAUTIONARY LANDING WITH POWER	
Seats and Seatbelts	Secure
Airspeed	60 KTS
Flaps	20
Landing Area	Fly Over
Avionics Master	Off
Flaps	30
Master	Off
Doors	Unlatch

DITCHING	
Radio	MAYDAY 121.5
Transponder	7700
Heavy Objects	Secure or Jettison
Seats and Seatbelts	Secure
Flaps	20 - 30
Power	300FPM Descent @ 55 KTS or 65 with no power
Approach	
High Winds/Seas	Into Wind
Lt Wind/Heavy Swells	Parallel Swells
Touchdown	Level Attitude
Face	Cushion
ELT	Arm
Airplane	Evacuate

FIRE DURING START	
Cranking	Continue
If Engine Starts	
Power	1700 for 1 Minute
Engine	Shutdown

If Engine Fails to Start	
Throttle	Full Open
Mixture	Idle Cutoff
Cranking	Continue
Fuel Shutoff Valve	Off (Pull)
Aux Fuel Pump	Off
Fire Extinguisher	Obtain
Engine	Secure
Master	Off
Mags	Off
Parking Brake	Release
Airplane	Evacuate
Fire	Extinguish

ENGINE FIRE IN FLIGHT	
Mixture	Idle Cutoff
Fuel Shutoff Valve	Off (Pull)
Aux Fuel Pump	Off
Master	Off
Cabin Heat and Air	Closed
Airspeed	100 KTS
Force Landing	Execute



ELECTRICAL FIRE IN FLIGHT	
Master	Off
Vents, Cabin Air, Heat	Off
Fire Extinguisher	Activate
Avionics	Off
All Other Electrica	Off
Vents	Open if Fire is Out
*If fire is out and electrical is required for flight	
Master	On
Circuit Breakers	Check do Not Reset
Radios	Off
Avionics	On
Radios/Electrical	On, One at a Time

CABIN FIRE	
Master	Off
Vents/Air/Heat	Closed
Fire Extinguisher	Activate
Vents/Air/Heat	Open if Fire is Out
Land	ASAP

WING FIRE	
All Lights	Off
Pitot Heat	Off
Side slip to keep fire away from tanks and cabin	

LOW VOLTAGE ANNUNCIATOR	
Avionics Master	Off
Alternator circuit breaker	In
Master Switch	Off Then On
Low Voltage Annunciator	Check Off
Avionics Master	On
If it does not solve the problem	
Alternator	Off
Non-Essential Electrical	Off
Flight	Terminate

REQUIRED EQUIPMENT	
Day VFR	A - T O M A T O - F L A M E S

Anti Collision Lights, Tach, Oil Pressure, Mag
Compass, Airspeed, Temp (Liquid Cooled Engine),
Oil Temp, Fuel Guages, Landing Gear Indicator,
Altimeter, Manifold Pressure, ELT, Seatbelts

Night VFR	"F L A P S"
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Fuses, Landing Light (Hire), Anti-Collision,
Position Lights, Source of Power

HOT START	
Beacon	On
Master Switch	On
Mixture	Cut-off
Throttle	Half Open
Propeller Area	Clear
Magnetos	Start
Mixture	Rich
Throttle	800 RPM
Oil Pressure	Check
Mixture	Taxi Lean
Avionics	On
Transponder	On
Flaps	Retract
Taxi light	On

FLOODED START	
Beacon	On
Master Switch	On
Mixture	Rich
Throttle	Full
Fuel Pump	ON, 5 GPH, OFF
Mixture	Idle Cut-off
Propeller Area	Clear
Magnetos	Start
Mixture	Rich
Throttle	800 RPM
Oil Pressure	Check
Mixture	Taxi Lean
Avionics	On
Transponder	On
Flaps	Retract

LIGHT GUN SIGNALS	
Color and Type	Ground
Steady Green	Cleared for Takeoff
Flashing Green	Clear for Taxi
Steady Red	Stop
Flashing Red	Taxi Clear Ldg Area
Flashing White	Return To Start Point
Alt Red and Green	Extreme Caution
Color and Type	Flight
Steady Green	Cleared to Land
Flashing Green	Return for Landing
Steady Red	Give Way
Flashing Red	Airport Unsafe
Alt Red and Green	Extreme Caution
IFR	"G R A B C A R D"

Gen/Alt, Radios, Attitude Indicator, Ball, Clock,
Altimeter (Sensitive), Rate of Turn, DG