CESSNA	172S	G1000	NORMAL.	CHECKLIST
	1/40	OIVVV	NUMBER	CHECKED

Documents	CESSNA 172S G1000 N PREFLIGHT			
Documents         A R O W           Control Lock         Remove           Magnetos         Off           Avionics Bus 1 & 2         Off           Master Switch         On           PFD         Check On           Fuel Quantity         Check On           Oil and Vac Annun         Check On           Avionics Bus 1         On/check fan/Off           Avionics Bus 2         On/check fan/Off           Flaps         Down           Lights and Pitot Heat         Check then Off           Low Volts Annun         Check On           Master Switch         Off           Off         Grull Shutoff Valve         Off (In)           Fuel Selector         Both           Empennage         Baggage Door         Secure           Control Surfaces         Check           Antennas         Secure           Right Wing         Right Wing           Right Aileron         Check           Right Tank Sumps         Check           Fuel Cap/Qty         Check           Right Tire and Brake         Check           Engine Oil         6-7 Qts           Fuel Strainer         Check           Check         Popen <th></th> <th>11.1</th>		11.1		
Control LockRemoveMagnetosOffAvionics Bus 1 & 2OffMaster SwitchOnPFDCheck OnFuel QuantityCheckOil and Vac AnnunCheck OnAvionics Bus 1On/check fan/OffAvionics Bus 2On/check fan/OffFlapsDownLights and Pitot HeatCheck then OffLow Volts AnnunCheck OnMaster SwitchOffOffOffFuel Shutoff ValveOff (In)Fuel SelectorBothEmpennageBaggage DoorSecureControl SurfacesCheckAntennasSecureRight WingCheckRight AileronCheckWingtip & Leading EdgeCheckRight Tank SumpsCheckFuel Cap/QtyCheckRight Tire and BrakeCheckLegine Oil6-7 QtsFuel StrainerCheckTire* and Strut34PSI / CheckProp and SpinnerCheckCooling IntakesClearAlternator BeltSecureAir FilterClearStatic PortClearStatic PortClearStatic PortClearStall Warning InletClearStall Warning InletClearFuel VentOpenLeft WingtipCheckLeft AileronCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Tank Sump<		A R O W		
MagnetosOffAvionics Bus 1 & 2OffMaster SwitchOnPFDCheck OnFuel QuantityCheck OnOil and Vac AnnunCheck OnAvionics Bus 1On/check fan/OffAvionics Bus 2On/check fan/OffFlapsDownLights and Pitot HeatCheck then OffLow Volts AnnunCheck OnMaster SwitchOffFuel Shutoff ValveOff (In)Fuel SelectorBothEmpennageBaggage DoorSecureControl SurfacesCheckAntennasSecureRight WingCheckRight AileronCheckRight Tank SumpsCheckRight Tire and BrakeCheckRight Tire and BrakeCheckRight Tire and BrakeCheckEngine Oil6-7 QtsFuel StrainerCheckTire* and Strut34PSI / CheckProp and SpinnerCheckCooling IntakesClearAlternator BeltSecureStatic PortClearStatic PortClearStatil Warning InletClearStall Warning InletClearFuel VentOpenLeft Leading EdgeCheckPitel Tank SumpCheckLeft AileronCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Tank SumpCheckLeft Cap/QtyChe				
Avionics Bus 1 & 2 Off Master Switch On PFD Check On Fuel Quantity Check Oil and Vac Annun Check On Avionics Bus 1 On/check fan/Off Avionics Bus 2 On/check fan/Off Flaps Down Lights and Pitot Heat Check then Off Low Volts Annun Check On Master Switch Off Fuel Shutoff Valve Off (In) Fuel Selector Both  Empennage  Baggage Door Secure Control Surfaces Check Antennas Secure  Right Wing Right Flap Check Right Aileron Check Wingtip & Leading Edge Check Right Tire and Brake Check Right Tire and Brake Check Right Tire and Brake Check Right Strainer Check x 3 Exhaust Secure Tire* and Strut 34PSI / Check Prop and Spinner Check Cooling Intakes Clear Alternator Belt Secure Left Wing Left Leading Edge Check Pitot Tube Clear Stall Warning Inlet Clear Fuel Vent Open Left Wingtip Check Left Aileron Check Left Tapk Sump Check x 5 Fuel Cap/Qty Check Right Tire Clear Stall Warning Inlet Clear Fuel Vent Open Left Wingtip Check Left Aileron Check Left Tapk Sump Check x 5 Fuel Cap/Qty Check Left Aileron Check Left Tapk Sump Check x 5 Fuel Check X				
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Fuel Quantity  Check Oil and Vac Annun  Check On Avionics Bus 1  On/check fan/Off Avionics Bus 2  On/check fan/Off Flaps  Down Lights and Pitot Heat Low Volts Annun Check On Master Switch Fuel Shutoff Valve  Empennage  Baggage Door Control Surfaces  Check Antennas  Right Wing  Right Flap  Right Aileron  Check Right Tank Sumps  Check Right Tire and Brake  Check Right Tire and Brake  Engine Oil Fuel Strainer Check Cooling Intakes Alternator Belt Check Cooling Intakes Clear Alternator Belt Check Clear Static Port Clear Stall Warning Inlet Check Left Aileron Check Left Aileron Check Ch	Master Switch	On		
Oil and Vac Annun       Check On         Avionics Bus 1       On/check fan/Off         Flaps       Down         Lights and Pitot Heat       Check then Off         Low Volts Annun       Check On         Master Switch       Off         Fuel Shutoff Valve       Off (In)         Fuel Selector       Both         Empennage         Baggage Door       Secure         Control Surfaces       Check         Antennas       Secure         Right Wing         Right Aileron       Check         Wingtip & Leading Edge       Check         Right Tank Sumps       Check x 5         Fuel Cap/Qty       Check         Right Tire and Brake       Check         Nose       Engine Oil       6-7 Qts         Fuel Strainer       Check         Engine Oil       6-7 Qts         Fuel Strainer       Check         Cooling Intakes       Clear         Alternator Belt       Secure         Tire* and Strut       34PSI / Check         Prop and Spinner       Check         Cooling Intakes       Clear         Static Port       Clear         Static Port <td>PFD</td> <td>Check On</td>	PFD	Check On		
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Fuel Cap/Qty       Check         Right Tire and Brake       Check         Nose         Engine Oil       6-7 Qts         Fuel Strainer       Check x 3         Exhaust       Secure         Tire* and Strut       34PSI / Check         Prop and Spinner       Check         Cooling Intakes       Clear         Alternator Belt       Secure         Air Filter       Clear         Static Port       Clear         Left Wing       Check         Pitot Tube       Clear         Stall Warning Inlet       Clear         Fuel Vent       Open         Left Wingtip       Check         Left Aileron       Check         Left Tank Sump       Check x 5         Fuel Cap/Qty       Check				
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Tire* and Strut         34PSI / Check           Prop and Spinner         Check           Cooling Intakes         Clear           Alternator Belt         Secure           Air Filter         Clear           Static Port         Clear           Left Wing           Left Leading Edge         Check           Pitot Tube         Clear           Stall Warning Inlet         Clear           Fuel Vent         Open           Left Wingtip         Check           Left Aileron         Check           Left Tank Sump         Check x 5           Fuel Cap/Qty         Check		Secure		
Cooling Intakes         Clear           Alternator Belt         Secure           Air Filter         Clear           Static Port         Clear           Left Wing           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           Fuel Cap/Qty         Check	Tire* and Strut			
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Alternator Belt         Secure           Air Filter         Clear           Static Port         Clear           Left Wing           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           Fuel Cap/Qty         Check	Cooling Intakes	Clear		
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Left Aileron         Check           Left Flap         Check           Left Tank Sump         Check x 5           Fuel Cap/Qty         Check	N <del>.</del>			
Left FlapCheckLeft Tank SumpCheck x 5Fuel Cap/QtyCheck				
Left Tank SumpCheck x 5Fuel Cap/QtyCheck				
Fuel Cap/Qty Check				
Left Tire and Brake 28 PSI / Check	·			
	Left Tire and Brake	28 PSI / Check		

ORMAL CHECKLIST PRE-ST	
Preflight / PX Brief	Complete
Seats, Belts, Harness	Secure
Brakes	Hold
Avionics Bus 1 & 2	Off
Circuit Breakers	Check In
Fuel Selector	Both
G1000 ST	ARTUP
STBY BATT-Test 20 S	Sec-Green Light On
STBY BATT	Arm/Check PFD On
	Check / No Red X's
BUS E Volts	Check / 24V Min
	Check / 1.5V or Less
BATT S Amps	Check / Discharge
STBY BATT Annun	Check On
START - HOT/FI	
Master Switch	On
Beacon	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 Bus 1 & 2	On
Mixture	Taxi Lean
Flaps	Retract
Transponder	Code / On
TAXI	
ATIS/ Taxi Clearnce	Obtain
Brakes	Check
Turn Instruments	Check
GENERA	L INFO
Vx	62
Vy	74
Vso	40
Vs	48
Va	90-105
Vfe 10, 20-30	85, 110
	120
Vno	129
Vne	163
Vne Vglide	163 65
Vne Vglide X-wind	163 65 15
Vne Vglide	163 65

# CESSNA 172S G1000 NORMAL CHECKLIST

	<u>ESSNA 172S G1000 N</u>
RUNUP / PR	E-TAKEOFF
Brakes	Hold
Fuel Selector	Both
Trim	Takeoff
Flight Controls	Free and Correct
PFD Instruments	Set/Check
Backup Instruments	Set/Check
Mixture	Rich
Throttle	1800 RPM
Magnetos	Check (150/50)
Vacuum	Check
Amps / Volts	Check
Oil Pressure	Check
Oil Temperature	Check
Annunciators	Check None Shown
Throttle	Idle Check
Takeoff & Departure	Review
Flaps	0-10
Mixture	Best Power
Transponder	Code / 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 56 kts till obs clear

**Soft Field** - Flaps 10, Elevator full aft, Accelerate in ground effect to Vy

CLIN	ИB
Throttle	Full
Flaps	Retract
Airspeed	70-85
Mixture	Lean abv 3000
Landing Light	Off
Flt and Eng Insts	Check

CKUISE	
Throttle	Set
Mixture	Lean
Altimeters x 3	Check/Set

CDITICE



	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 61, 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

Retract
Ground Lean
As Required
Off
On
Off
Off Off

Off

Off

Master

STBY BATT

SECURING		
Control Lock	Install	
Tie-Down / Chocks	Secure	
Cowl / Pitot Plugs	Install	
Clean	Windows	
Lock	All Doors	

CESCNA	172S	G1000	EMER	CENCY	CHECKLIST
CESSINA	1/40	<b>CTIUUU</b>	TO IVITUAL N	CTESTACE I	CHECKLIST

C	EESSNA 172S G1000 EM
ENGINE FAI	LURE 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 FAILU	RE DURING FLIGHT
Airspeed	65 KTS
Airspeed Landing Spot	65 KTS Select
Landing Spot	Select
Landing Spot Fuel	Select Both
Landing Spot Fuel Fuel Shutoff	Select Both On
Landing Spot Fuel Fuel Shutoff Mixture	Select Both On Full
Landing Spot Fuel Fuel Shutoff Mixture Throttle	Select Both On Full Full
Landing Spot Fuel Fuel Shutoff Mixture Throttle Aux Pump Mags	Select Both On Full Full On
Landing Spot Fuel Fuel Shutoff Mixture Throttle Aux Pump Mags EMERGENCY L	Select Both On Full Full On On

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

### REQUIRED EQUIPMENT Day VFR A-TOMATO-FLAMES

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

Manifold Pressure, ELT, Seathelts Night VFR "FLAPS

Fuses, Landing Light (Hire), Anti-Collision, Position Lights, Source of Power

DITCHING		
Radio / XPDR	MAYDAY 121.5 / 7700	
Heavy Objects	Secure or Jettison	
Seats and Seatbelts	Secure	
Flaps	20 - 30	
Power 300FPI	M Descent @ 55 KTS	
	or 65 with no power	

Flaps	20 - 30
Power 300FPN	A Descent @ 55 KTS
	or 65 with no power
Approach	
High Winds/Seas	Into Wind
Lt Wind/Heavy Swells	Parallel Swells
Γouchdown	Level Attitude
Face	Cushion
ELT	Arm
Airplane	Evacuate

Cranking	Continue
	If Engine Starts
Power	1700 for 1 Minute
Engine	Shutdown

FIRE DURING START

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	
TONICIDADE DEDECTOR	DI TOTTO	

## 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

_	
Master	Of
Vents/Air/Heat	Closed
Fire Extinguisher	Activate

CABIN FIRE

Vents/Air/Heat Open if Fire is Out **ASAP** Land

#### IFR "GRABCARD"

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

#### KLIST

C	ESSNA 172S G1000 EM	ERGENCY CHECKL	IST
WI	NG FIRE	HOT S	START
All Lights	Off	G1000 START	TUP SEE RVS
Pitot Heat	Off	Master Switch	
Side slip to keep fire aw		Beacon	
	L FIRE IN FLIGHT	Mixture	C
Master	Off	Throttle	Half
Vents, Cabin Air, Heat	Off	Propeller Area	
Fire Extinguisher	Activate	Magnetos	
Avionics	Off	Mixture	
All Other Electrical		Throttle	800
Vents	Open if Fire is Out	Oil Pressure	(
*If fire is out and ele	ctrical is required for flight	Mixture	Taxi
Master	On	Avionics Bus 1 & 2	
Circuit Breakers C	Check DO NOT Reset	Mixture	Taxi
Radios	Off	Flaps	R
Avionics	On	Transponder	Code
Radios/Electrical	On, One at a Time		
LOW VOLTAG	GE ANNUNCIATOR	FLOODE	D START
Mstr Switch (ALT Only)	Off	G1000 START	TUP SEE RVS
ALT FIELD CB	In	Master Switch	
Master Switch	Both Sides On	Beacon	
Low Volt Annun	Check Off	Mixture	
M BUS VOLTS	Check 27.5 Min	Throttle	
M BAT Amps	Check Charging (+)	Fuel Pump	ON, 5 GPH,
If it does not	solve the problem	Mixture	Idle C
Mstr Switch (ALT Only)	Off	Propeller Area	
Electrical Load	Reduce in order	Magnetos	
Avionics Bus 1	Off	Mixture	
Pitot Heat	Off	Throttle	800
Beacon	Off	Oil Pressure	
Landing Light	Off	Avionics Bus 1 & 2	
Taxi Light	Off	Mixture	Taxi
Nav Lights	Off	Flaps	R
Strobe Ligsts	Off	Transponder	Code
Cabin Pwr 12V	Off		
Avionics Bus 2	Off if VFR	LIGHT GU	N SIGNALS
*See POH 3-17 f	or Expanded Procedure	Color and Type	Ground

Check In

Check In

Check In

Check In

Use for Heading Info

Use

Use

Use

**ADS / AHRS FAILURE** RED X - PFD AIRSPEED

**RED X - PFD ALTITUDE** 

**RED X - PFD ATTITUDE** 

RED X - HIS

ADC/AHRS CB

ADC/AHRS CB

ADC/AHRS CB

Stby Attitude Ind

ADC/AHRS CB

Mag Compass

Stby Altimeter

Stby Airspeed Ind

LIGHT GUN SIGNALS		
Ground		
Cleared for Takeoff		
Clear for Taxi		
Stop		
Taxi Clear Ldg Area		
Return To Start Point		
Extreme Caution		
Flight		
Cleared to Land		
Return for Landing		
Give Way		
Airport Unsafe		
Extreme Caution		

On On Cut-off Half Open Clear Start Rich 800 RPM Check Taxi Lean On Taxi Lean

Retract

On On Rich Full

On Taxi Lean

Retract

Code / On

Code / On

ON, 5 GPH, OFF Idle Cut-off Clear Start Rich 800 RPM Check