

## C172N NORMAL CHECKLIST

PREFLIGHT CHECKS	
Control Locks	OFF
Magnetos	OFF
Master Switch	ON
Fuel Gauges	CHECK QUANTITY
Beacon	ON
Flaps	EXTEND IN STAGES
Master Switch	OFF
Trim	CHECK TRAVEL
Loose Objects	SECURED
Fire Extinguisher	CHECK
First Aid Kit	ON BOARD
Walkaround	COMPLETE

PRE-ENGINE START	
Cowl Plugs	REMOVED
Pitot Cover	REMOVED
Chocks	REMOVED
Hobbs	RECORD
Documents	ONBOARD
PXR Brief	COMPLETE
Circuit Breakers	CHECK
Belts & Harnesses	ON

STARTING PROCEDURE	
Fuel Selector	BOTH
Mixture	RICH
Throttle	¼ INCH
Carb Heat	OFF
Brakes	ON
Avionics Master	OFF
Master	ON
Prime	AS REQ'D & LOCKED
Area	CLEAR
Starter	ENGAGE (MAX 10 seconds)
Oil Pressure	GREEN
(If no start, cool for MIN 30 sec)	

POST START	
Avionics Master	ON
Mixture	LEAN FOR TAXI
Flaps	UP IN STAGES
Audio Panel	SET FREQUENCIES
Transponder	STBY (1200)
Radios	CHECK
Brakes	TEST
Instruments	TAXI CHECK

FREQUENCIES	
CYFD UNICOM/TF	122.82
CYHM TOWER	125.00
ENROUTE	126.70
FIC/RCO	123.55
TORONTO TERMINAL	119.70/119.30
EMERGENCY	121.50

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Airspeeds (C-GBGZ) (KIAS)	
V <sub>X</sub> – Best Angle	60
V <sub>Y</sub> – Best Rate	76
V <sub>A</sub> – Maneuvering	97 – 2400 lbs. 89 – 2000 lbs. 80 – 1600 lbs.
VFE – Flap Extension	
(0° - 10°)	110
(10° - 30°)	85
MAX GLIDE	
2400 lbs.	65
V <sub>NO</sub>	126
V <sub>NE</sub>	158
V <sub>S</sub>	47
V <sub>SO</sub>	41
Normal Climb	75-85
Normal Approach	65-75
Short Field Approach	61
Max 90° Crosswind	15

IMPORTANT PHONE NUMBERS	
FLIGHT SERVICE (CAN)	1-866-992-7433
CANPASS	1-888-226-7277
FLIGHT SERVICE (USA)	1-800-992-7433
BRANTFORD FLIGHT CENTRE	1-519-753-2521

**Passenger Briefing Procedures:  
Required to be completed by the  
PIC prior to takeoff**

<b>CARRY-ON BAGGAGE</b>	Store in the baggage compartment under netting or tied down as necessary (Note: C-172 under rear seat is not an approved storage area)
<b>LOCATION OF EMERGENCY EXITS</b>	Main cabin doors
<b>OPERATION OF EXITS</b>	Door locks and window latches
<b>EXIT PROCEDURES</b>	Move towards rear of aircraft – never forward
<b>SEAT BELT OPERATION</b>	How to fasten in position Removal (lift latch) Shoulder belt operation Securing (pull straps) Belt to be worn, at all times, or as directed by the PIC
<b>SEAT BACKS</b>	Upright position for take-off and landing
<b>ELECTRONIC EQUIPMENT</b>	Operating restrictions for take-off and landing
<b>FIRST AID KIT LOCATION</b>	C152: rear baggage area <b>C172: right front seat back</b>
<b>FIRE EXTINGUISHER LOCATION</b>	C152: right side under panel <b>C172: floor between front seats</b>
<b>SMOKING</b>	Prohibited on all flights
<b>EMERGENCY LOCATOR TRANSMITTER (ELT)</b>	Explain location and operation including manual activation
<b>PASSENGER BRIEFING CARD LOCATION</b>	Please have all passengers read card
<b>ANY QUESTIONS?</b>	

RUN-UP CHECKS	
Brakes	ON
Area	CLEAR
Mixture	RICH
Throttle	1700 RPM
Suction	GREEN
Oil Temp/Pressure	GREEN
Mags	L & R (MAX 150 RPM drop, DIFF. 50 RPM)
Electrical Full Load	CHECK
Carb Heat	CHECK
Mixture	CHECK
Low Idle – Carb Heat	CHECK
1000 RPM	SET

PRE-TAKEOFF CHECKS	
Flight Instruments	SET
Avionics	SET
Primer	IN & LOCKED
Master	ON
Magnetos	BOTH
Carb Heat	OFF
Mixture	RICH
Flaps	10°
Trim	SET FOR T/O
Fuel Selector	BOTH
Seat Belts	CHECK
Doors & Window	CLOSED
Controls	FREE & CORRECT
Takeoff Briefing	COMPLETE
<b>T</b> ime	RECORD
<b>I</b> cing	ON (as req')
<b>L</b> ights	ON
<b>T</b> ransponder	ALT

DOWNWIND CHECKS	
Oil Temp/Pressure	GREEN
Primer	IN & LOCKED
Master	ON
Magnetos	BOTH
Carb Heat	CHECK
Mixture	RICH
Fuel Selector	BOTH
Seat Belts	ON
Brake Pressure	CHECK

POST LANDING	
Carb Heat	OFF
Flaps	FULLY RETRACT
Transponder	STBY (1200)
Unnecessary Electrics	OFF
Down Time	RECORD
Mixture	LEAN FOR TAXI

SHUTDOWN	
ELT	CHECK 121.5
Avionics Master	OFF
Throttle	1000 RPM
Live Mag	CHECK
Mixture	IDLE CUTOFF
Magnetos	OFF
Master	OFF
Hobbs	RECORD
Control Lock	INSTALL
Chocks	INSTALL
Pitot Cover	INSTALL
Cowl Plugs	INSTALL