

C172RG **IFR** NORMAL CHECKLIST**PREFLIGHT CHECKS**

Control Locks	OFF
Magnetos	OFF
Master Switch	ON
Fuel Gauges	CHECK QUANTITY
Beacon (NAV Lights if Req'd)	ON & CHECK
NAV Lights	OFF
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
Cowl Flaps	OPEN
Gear Lever	DOWN
Circuit Breakers	CHECK
Belts & Harnesses	ON

STARTING PROCEDURE

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

C172RG **IFR** NORMAL CHECKLIST**POST START**

Avionics Master	ON
Mixture	LEAN FOR TAXI
Flaps	UP IN STAGES
Audio Panel	SET FREQ's
Transponder	STBY (1200 or AS REQ'D)
Radios	CHECK
Brakes	TEST
Instruments (GYROs)	TAXI CHECK

RUN-UP CHECKS

Brakes	ON
Area	CLEAR
Mixture	RICH
CHT	MIN 200
Throttle	1800 RPM
Suction	GREEN
Oil Temp/Pressure	GREEN
Magnetos (L & R)	CHECK
➤ RPM Drop	MAX 150, DIFF 50
Electrical Full Load	CHECK
Carb Heat	CHECK
Prop Control	CYCLE
Mixture	CHECK
Low Idle//Carb Heat	CHECK
1000 RPM	SET

PRE-TAKEOFF CHECKS

Flight Instruments	SET
Avionics	SET
Primer	IN & LOCKED
Fuel Pump	CHECK & OFF
Master	ON
Magnetos	BOTH
Carb Heat	OFF
Prop Control	FULL FINE
Mixture	RICH
Flaps (≠/<2550lb)	10°
Trim	SET FOR T/O
Autopilot	OFF
Fuel Selector	BOTH
Seat Belts	CHECK
Doors & Window	CLOSED
Controls	FREE & CORRECT
Takeoff Briefing	COMPLETE

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

CARRY-ON BAGGAGE STORAGE	Baggage Compartment under netting or tied down as necessary. (Note: C-172 under rear seat is not an approved storage area)
LOCATION OF EMERGENCY EXITS	Main cabin doors
OPERATION OF EXITS	Door locks and window latches
EXIT PROCEDURES	Move towards rear of aircraft – never forward
SEAT BELT OPERATION	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
SEAT BACKS	Upright position for take-off and landing
ELECTRONIC EQUIPMENT	Operating restrictions for take-off and landing
FIRST AID KIT LOCATION	C172: right front seat back
FIRE EXTINGUISHER LOCATION	C172: floor between front seats
SMOKING	Prohibited on all flights
EMERGENCY LOCATOR TRANSMITTER (ELT)	Explain location and operation including manual activation
PASSENGER BRIEFING CARD LOCATION	Please have all passengers read card
ANY QUESTIONS?	

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

Aircraft Information

Max Takeoff Gross Weight	2650 lbs.
Max Ramp Gross Weight	2658 lbs.
Empty Weight	1701 lbs.
Usable Fuel (Litres- 234.7) (GAL)	62
Usable Fuel (lbs.)	372
Usable Fuel (Litres- 166.5) (TABS- GAL)	44
Usable Fuel (TABS- lbs.)	264
Equipment Code	SFG/C
Static RPM	2550 RPM

Airspeeds (KIAS)

V _X – Best Angle	67
V _Y – Best Rate	84
V _A – Maneuvering	2650 lbs - 106
	2250 lbs - 98
	1850 lbs - 89

VFE – Flap Extension

(0° - 10°)	130
(10° - 30°)	100

MAX GLIDE

2650 / 2250 / 1850 lbs. 73 / 67 / 61

V _{NO}	145
V _{NE}	164
V _S	50
V _{SO}	42
Normal Climb	70-80
Normal Approach	65-75
Short Field Approach	63
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

C172RG **IFR** NORMAL CHECKLIST**LINE UP CHECKS**

(MEMORY ITEMS)

T	Time	RECORD
I	Icing	ON (AS REQ'D)
L	Lights	ON
T	Transponder	ALT

CRUISE CHECKS

Power (MP&RPM)	23"/ 2300 or AS REQ'D
Cowl Flaps	CLOSED or AS REQ'D
Mixture	LEAN
Flow Check (L to R)	
ALL SWITCHES/GAUGES/ C/B'S	CHECKED

PRE-DESCENT / IN-RANGE CHECKS

Approach Briefing	COMPLETED
Radios / Nav Aids / HDG (HI)	SET / ID
Suction	GREEN
Fuel Qty	CHECK
Ammeter	CHECK
Oil Pressure/ Cyl Head & Oil Temp	GREEN
C/B's	CHECK
Primer	IN & LOCKED
Fuel Pump	OFF
Master	ON
Magnetos	BOTH
Carb Heat	CHECK
Mixture	RICH
Autopilot	OFF
Fuel Selector	BOTH
Seat Belts	ON
Brake Pressure	CHECK

ON FINAL APPROACH

(NOTE: 1NM PRIOR OR 1 DOT BELOW GS)

Gear Lever	DOWN & CHECKED
Flaps	10°

FAF CROSSING

"(FAF Name)"	"ALTITUDE CALL" CHECKED
TIMER	START (AS REQ'D)
G _AS	CHECKED
U _NDERCARRIAGE	LEVER DOWN & GREEN
M _IXTURE	FULL RICH
P _ROP	FULL FINE
RADIO	CALL / ARCAL (AS REQ'D)

C172RG **IFR** NORMAL CHECKLIST**POST LANDING**

Carb Heat	OFF
Flaps	FULLY RETRACT
Transponder	STBY (1200)
Cowl Flaps	OPEN
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