

## C172R 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

COLD STARTING PROCEDURE	
Mixture	IDLE CUTOFF
Fuel Selector	BOTH
Fuel Shutoff Valve	IN
Throttle	¼ INCH
Brakes	ON
Avionics Master	OFF
Master	ON
Fuel Pump	ON
Mixture	RICH 3-5 SECONDS
Mixture	IDLE CUTOFF
Fuel Pump	OFF
Area	CLEAR
Starter	ENGAGE (MAX 10 seconds)
Mixture	RICH
Oil Pressure	GREEN

If the aircraft does not start, let starter cool for a minimum 30 seconds.

## C172R NORMAL CHECKLIST

HOT STARTING PROCEDURE	
Mixture	IDLE CUTOFF
Fuel Selector	BOTH
Fuel Shutoff Valve	IN
Throttle	¼ INCH
Brakes	ON
Avionics Master	OFF
Master	ON
Area	CLEAR
Starter	ENGAGE (MAX 10 seconds)
Mixture	RICH
Oil Pressure	GREEN

If the aircraft does not start, let starter cool for a minimum 30 seconds.

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

RUN-UP CHECKS	
Brakes	ON
Area	CLEAR
Mixture	RICH
Throttle	1800 RPM
Suction	GREEN
Oil Temp/Pressure	GREEN
Mags	L & R (MAX 150 RPM drop, DIFF. 50 RPM)
Annunciators	CHECK
Electrical Full Load	CHECK
Mixture	CHECK
Low Idle	CHECK
1000 RPM	SET

**FREQUENCIES**

CYFD UNICOM/TF	122.825
CYHM TOWER	125.00
ENROUTE	126.70
FIC/RCO	123.55
TORONTO TERMINAL	119.70/119.30
EMERGENCY	121.50

**Airspeeds  
(KIAS)**

<b>V<sub>X</sub> – Best Angle</b>	<b>60</b>
<b>V<sub>Y</sub> – Best Rate</b>	<b>79</b>
<b>V<sub>A</sub> – Maneuvering</b>	<b>99 – 2450 lbs.</b>
<b>VFE – Flap Extension</b>	
<b>(0° - 10°)</b>	<b>110</b>
<b>(10° - 30°)</b>	<b>85</b>
<b>MAX GLIDE</b>	
<b>2450 lbs.</b>	<b>65</b>
<b>V<sub>NO</sub></b>	<b>129</b>
<b>V<sub>NE</sub></b>	<b>163</b>
<b>V<sub>S</sub></b>	<b>44</b>
<b>V<sub>SO</sub></b>	<b>33</b>
<b>Normal Climb</b>	<b>70-80</b>
<b>Normal Approach</b>	<b>65-75</b>
<b>Short Field Approach</b>	<b>62</b>
<b>Max 90° Crosswind</b>	<b>15</b>

**IMPORTANT PHONE NUMBERS**

<b>FLIGHT SERVICE (CAN)</b>	<b>1-866-992-7433</b>
<b>CANPASS</b>	<b>1-888-226-7277</b>
<b>FLIGHT SERVICE (USA)</b>	<b>1-800-992-7433</b>
<b>BRANTFORD FLIGHT CENTRE</b>	<b>1-519-753-2521</b>

**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>	

**PRE-TAKEOFF CHECKS**

Flight Instruments	SET
Avionics	SET
Master	ON
Magnetos	BOTH
Fuel Pump	OFF
Mixture	RICH
Flaps	10°
Trim	SET FOR T/O
Fuel Selector	BOTH
Fuel Shutoff Valve	IN
Autopilot	OFF
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
Magnetos	BOTH
Master	ON
Mixture	RICH
Fuel Selector	BOTH
Fuel Shutoff Valve	IN
Autopilot	OFF
Seat Belts	ON
Brake Pressure	CHECK

**POST LANDING**

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