

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

Airspeeds
(KIAS)

V _X – Best Angle	62
V _Y – Best Rate	76
V _A – Maneuvering	105 – 2250 lbs. 95 – 2150 lbs. 85 – 1750 lbs.

VFE – Flap Extension

(0° - 10°)	110
(10° - 30°)	85

MAX GLIDE

2550 lbs.	68
2150 lbs.	62
1750 lbs.	56

V _{NO}	129
V _{NE}	163
V _S	50
V _{SO}	40
Normal Climb	70-80
Normal Approach	65-75
Short Field Approach	62
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**

CARRY-ON BAGGAGE	Store in the 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	C152: rear baggage area C172: right front seat back
FIRE EXTINGUISHER LOCATION	C152: right side under panel 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?	

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
T ime	RECORD
I cing	ON (as req')
L ights	ON
T 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