Checklist Cessna 172 — MAI 2021

General Inspection:

1.	Logbook / Doc / Airplane	READY
2.	Control wheel lock	REMOVED
3.	Control	FREE & CORRECT
4.	Mixture	IDLE CUT-OFF
5.	Throttle	IDLE
6.	Carb.heat	COLD
7.	Mag Switch	OFF
8.	Circuit Breaker	CHECK
9.	Master Switch	ON
10.	Fuel Quantity Indicator	CHECK
11.	Beacon	ON & CHECK
12.	Flaps	FULL
13.	Master Switch	OFF
14.	Fuel Selector Valve	BOTH
15.	Extinguisher / First Aid	CHECK
16.	Walk-around	AS PER POH
	Oil quantity	*CHECK STICKER*

Before starting engine:

Flight following at suividesvols@exactair.ca

1.	Preflight Inspection	COMPLETE
2.	Doors & windows	CLOSE
3.	Seat	ADJUST & LOCK
4.	Belts, Shoulder Harness	LOCK
5.	Pax briefing	COMPLETE
6.	Fuel Selector Valve	LEFT
8.	Avionic Switch, Elec. Equip.	OFF
9.	Beacon Light	ON
10.	Key	INSERT
11.	Brakes	APPLY

Starting engine:

1.	Mixture	RICH
2.	Throttle	1/8 INCH
3.	Carb.heat	OFF
4.	Propeller Area	CLEAR
5.	Master Switch	BATTERY ON
6.	Primmer	3 hot or 6 cold.
7.	Mag Switch	START
8.	Throttle	1 000 RPM
9.	Oil Pressure	GREEN (max 30 sec.)
10.	Alternator	ON
11.	Live Mag Check	R-L-BOTH

After start:

1.	Avionic Switch	ON
2.	Time	NOTE
3.	Mixture	LEAN FOR GROUND
4.	Flaps	UP
5.	Transponder	STANDBY

Taxi:

1.	Area	CLEAR
2.	Wind	CONTROL INTO WIND
3.	Taxi light	ON
4.	Brakes	CHECK
5.	Instrument	CHECK WHILE TAXI

Run up:

1.	Nose	INTO THE WIND
2.	Nose wheel	CENTERED
3.	Surface	HARD & CLEAN
4.	Brakes	SET
5.	Area Clear	FOR. & AFT.
6.	Oil Pressure / temp.	GREEN
7.	Fuel Selector Valve	RIGHT
9.	Throttle	1 700 RPM
10.	Airplane	STABLE
11.	Mixture	CHECK
12.	Oil Pressure / temp.	GREEN
13.	Suction Gage	GREEN
14.	Magnetos	R. - BOTH / L. – BOTH
	(Max drop 125rpm, 50rpm differential)	
15.	Carb.heat	ON – DROP RPM
16.	Thottle	IDLE
17.	Carb.heat	OFF
18.	Thottle	1 000 RPM

BRIEFING PASSENGER

Seat, Doors, Window, Headset
Seatbelt
Evacuation procedures
Extinguisher, ELT, First aid kit
Sick bag, Safety card

Before Take-off:

1.	Cabin Doors	CLOSE
2.	Control	FREE & CORRECT
3.	Instrument	SET
4.	Fuel Selector Valve	BOTH
5.	Elevator trim	TAKE-OFF
6.	Flaps	AS REQUIRED
7.	Throttle Friction Lock	ADJUST
8.	Carb. heat	OFF
9.	Nav-strobe Light	ON
10.	Mag Switch	BOTH
11.	Primer	LOCK
12.	Engine Gauges / Fuel.	CHECK
13.	Atis	AS REQUIRED
14.	Departure Procedure	REVIEW
15.	Take-off Briefing	REVIEW
16.	Transponder	ALT
17.	Mixture	RICH
18.	Compass / DG	CHECK

CLEARED FOR TAKE-OFF

Line-Up:

1.	T/O Time	NOTE
2.	Landing light	ON

After Take-off (400'AGL):

1.	Flaps	UP (60 KIAS or +)
2.	Outside / Engine Gauges	CHECK

Climb / Descent / Maneuvers:

1.	Mixture	RICH
2.	Carb.heat	CHECK
3.	Power	ADJUST
4.	Engine Gauges / Fuel	MONITOR
5.	**Va**	97 KIAS (*2 300 lb*)
		89 KIAS (*1 950 lb*)
		80 KIAS (*1 600 lb*)

Cruise:

1.	Power	2200 / 2400 RPM
2.	Mixture	ADJUST
3.	D.G	SET
4.	Engine Gauges / Fuel	MONITOR

Before Landing:

1.	Fuel Selector Valve	BOTH
2.	Mixture	RICH
3.	Carb.heat	ON
4.	Landing / Taxy Light	ON
5.	Mag Switch	BOTH
6.	Master Switch	ON
7.	Primer	LOCK
8.	Engine Gauges / Fuel	CHECK
9.	Seats, Belts, Harnesses	LOCK
10.	Brakes	CHECK
11.	Passenger	BRIEF/ TOUCH DOWN
12.	Flaps	AS REQUIRED

After Landing:

1.	Flaps	UP
2.	Carb.heat	OFF
3.	Transponder	STANDBY
4.	Landing / NAV Light	OFF
5.	Mixture	LEAN

Engine Shut-down

1.	Radio	CHECK 121.5 MHz
2.	Radio, Electric Equip.	OFF
3.	Avionic Switch	OFF
4.	Throttle	700 RPM
5.	Alternator	OFF
6.	Dead Mags Check	OFF - BOTH
7.	Mixture	IDLE CUT-OFF
8.	Mags	OFF
9.	Key	REMOVE
10.	Master	OFF

Flight following at suividesvols@exactair.ca

	C172N	SPEED	C172P
Vso	41 KIAS		33 KIAS
Vs	47 KIAS		44 KIAS
Vr	55 KIAS		55 KIAS
Vx	59 KIAS		60 KIAS
Vy	73 KIAS		76 KIAS

Normal Climb 75-85 KIAS
Normal Approach 60-70KT (N) 65-75KT (P)
Approach full flaps 55-65KT (N) 60-70KT (P)

Engine Failure

Glide speed **65 KIAS**

Engine fire during start:

1.	Cranking	CONTINUE

If engine starts

2.	Power	1700 RPM
3.	Engine	SHUT DOWN

If engine fails to start

4.	Throttle	FULL POWER
5.	Mixture	IDLE CUT-OFF
6.	Cranking	CONTINUE
7.	Fire extinguisher	OBTAIN
8.	Engine	SECURE
	Master Switch	OFF
	Mag Switch	OFF
	Fuel Selector Valve	OFF
9.	Aircraft	EVACUATE
10.	Fire Extinguisher	APPLY
11.	Fire Damage	INSPECT

Engine failure during Take-off run:

REJECT TAKE-OFF

1.	Power	IDLE
2.	Brakes	APPLY
3.	Flaps	UP
4.	Mixture	IDLE CUT-OFF
5.	Ignition Switch	OFF
6.	Master Switch	OFF

Engine failure immediately after TO:

1.	Airspeed	65 KIAS
2.	Flaps	AS REQUIRED
3.	Mixture	IDLE CUT-OFF
4.	Fuel Selector Valve	OFF
5.	Mag Switch	OFF
6.	Master Switch	OFF
7.	ELT (if land out runway)	ON

Engine failure during flight:

INVESTIGATION

1.	Airspeed	65 KIAS
2.	Carb.heat	ON
3.	Fuel Selector Valve	BOTH
4.	Mixture	RICH
5.	Mag Switch	L/R/BOTH
		START IF PROP. STOP
5.	Primer	IN & LOCKED

Forced Landing:

AFTER INVESTIGATION

1.	Airspeed	65 KIAS (flaps UP)
2.	Wind-Field-Plan	DONE

RESTART

3.	Fuel Selector Valve	BOTH
4.	Mixture	RICH
5.	Throttle	1/8''
6.	Carb. Heat	ON
7.	Master	ON
8.	Primer	AS REQUIRED
9.	Mag Switch	L/R/BOTH
		START IF PROP. STOP

ENGINE SECURE

10.	Fuel Selector Valve	OFF
11.	Mixture	IDLE CUT-OFF
12.	Ignition Swich	OFF
13.	Wing Flaps	AS REQD
14.	Master Swich	OFF
15.	ELT	ON
16.	Doors	UNLATCH
17.	Touchdown	SLIGHTLY TAIL LOW
18.	Brakes	APPLY HEAVILY
19.	Evacuate	STAY AWAY PROP

Precautionary landing with power:

1.	Airspeed	70 KIAS
2.	Wing Flaps	10°
3.	Selected Field	FLY OVER

Wind-Field-Plan : VFR Circuit
Check : Obstacle, Obsructions terrain...

If OK to land :

4.	Passenger	BRIEF
5.	Radio CALL	DONE
6.	Avionic & Electric Switch	OFF

Approach :

7.	Wing Flaps	FULL (ON FINAL)
8.	Airspeed	60 KIAS
8.	Master Switch	OFF
10.	Doors	UNLATCH
11.	Touchdown	SLIGHTLY TAIL LOW
12.	Mag Switch	OFF
13.	Evacuate	STAY AWAY PROP.

Fires in Flight:

ENGINE FIRE IN FLIGHT

1.	Mixture	IDLE CUT-OFF
2.	Fuel Selector Valve	OFF
3.	Master Switch	OFF
4.	Cabin Heat / Air	OFF

If Fire : Emergency Descent

5. Airspeed: 100 KIAS OR +
(*Adapt descent speed to stop fire*)

6. **Forced Landing** Execute

If NO Fire

7. **Forced Landing** Execute

ELECTRIC FIRE IN FLIGHT

1.	Master Switch	OFF
2.	All Switch Elec	OFF
3.	Vents / Cabin Heat / Air	OFF
4.	Fire Extinguisher	ACTIVATE
	(Open window and ventilate)	

If Power is mandatory & Fire stop

5.	Master Switch	ON
6.	Circuit Breaker	CHECK
	NO RESET FAULTY BREAKER	
7.	Radio / Switch Elec	ON
	ONE AT TIME WITH DELAY	
	AFTER FIND SHORT CIRCUIT	
8.	Vents / Cabin Heat / Air	ON

CABIN FIRE

1.	Master Switch	OFF
2.	Vents / Cabin Heat / Air	CLOSE
3.	Fire Extinguisher	ACTIVATE
	(Open window after use it)	
4.	*Land*	*AS SOON AS POSSIBLE*

WING FIRE

1.	Navigation Light Switch	OFF
2.	Strobe Light Switch (if install.)	OFF
3.	Pitot Heat Switch (if install.)	OFF

Perform a sideslip to keep the flames away from the fue tank.
Land as soon as possible

Icing:

1.	Pitot Heat	ON
2.	Altern. Static. Air	IF REQUIRED
2.	Turn 180°	IF REQUIRED
3.	Change altitude	IF REQUIRED
4.	Cabin Heat	ON
5.	Power	INCREASE
6.	Carb.heat	CHECK – ON IF ICE
7.	Mixture	LEAN
8.	Land	AS SOON AS POSSIBLE
9.	Stall speed	NOTE IS HIGHER
10.	Approach	NO FLAPS
11.	Windshield	SCRAPE BY HAND
12.	Slip	IF NECESS TO SEE RWY
13.	Approach Speed	65 – 75 KIAS
14.	Landing	LEVEL ATTITUDE

Landing with a flat main tire:

1.	Flaps	AS DESIRED
2.	Approach	NORMAL
3.	Touchdown	GOOD TIRE FIRST

Use aileron control to keep flat tire
Off the runway as long as possible

Excessive rate of charge:

1.	Alternator	OFF
2.	Alternator circuit breaker	PULL
3.	Non-essential Electric.	OFF
4.	Flight	TERMINATE
		As soon as pratical

Save your electrical load if your radio is necessary to land safely

Low voltage light illuminate -Ammeter show discharge:

1.	Avionic Power Switch	OFF
2.	Alternator circuit breaker	CHECK IN
3.	Master Switch (both side)	OFF
4.	Master Switch	ON
5.	Low voltage Light	CHECK OFF
6.	Avionic Power Switch	ON

If low-voltage light illuminates again :

7.	Alternator	OFF
8.	Non essential radio / Eletric.	OFF
9.	Flight	TERMINATE
		AS SOON AS PRATICAL