



CESSNA 172R QRH

LEARN TO FLY

USE OF THIS CHECKLIST

This Checklist is to be used at all times, together with the Company Operations Manual and Standard Operating Procedures. However, information contained in this Checklist does not take precedence over the CASA approved Aircraft Flight Manual and other regulatory requirements.

The **Normal Checklist** (indicated by a **GREEN** table) contains the routine procedures for normal operation of the aircraft that provide an acceptable level of airworthiness. Checklist titles encased in **BLACK** are to be committed to memory and actioned without recourse to the written checklist.

The **Abnormal Checklist** (indicated by a **YELLOW** table) contains procedures which, if followed, will maintain an acceptable level of airworthiness or reduce operational risk resulting from a failure or abnormal condition. The procedures under this part supplement Normal Checklist when a failure or abnormal condition exists.

The **Emergency Checklist** (indicated by a **RED** table) contains procedures to protect the occupants and the aircraft from harm during a critical situation requiring an immediate response. The procedures under this part supplement the Normal Checklist when an emergency condition exists. Checklist titles encased in **BLACK** are to be committed to memory and actioned without recourse to the written checklist. These are of particular relevance to critical emergency related procedures where immediate action is required.

In addition to the outlined items in both Emergency & Abnormal Checklists, the following steps are considered part of all emergency/abnormal situations:

Control the Aircraft

Assess the Situation

Take Appropriate Action



LEARN TO FLY

LIMITATIONS X

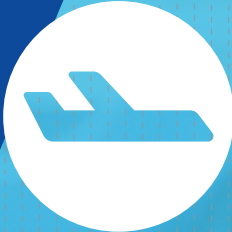


AIRSPEDS	
V NE	163
V NO	129
V A	92 - 2000 LBS
	99 - 2450 LBS
V FE	85 - 20° & 30°
	110 - 10°
V X	60
V Y	79
V GLIDE	65
V SO	33
V SI	44
V R	55
V BASE	75
V FINAL	65
V AT	60
X-WIND	15

WEIGHTS	
M TOW	2450 LBS
M LW	2450 LBS
M BAGGAGE 1	120 LBS
M BAGGAGE 2	50 LBS

OTHERS	
FUEL	56 USG - Total
	53 USG - Usable
OIL	5 QTZ - MIN
	8 QTZ - MAX

PRE FLIGHT INSPECTION



1. CABIN	
Documentation	Complete & Current
Pitot Tube Cover	Remove
Parking Brake	Reset ON
Control Locks	Remove
Magnetos	OFF
Switches	All OFF, Beacon Lights - ON
Master	ON
Fuel Quantities	Check, Low Fuel Annunciators Extinguished
Avionics	ON, Check Noise from Cooling Fan
Avionics	OFF
Alternate Static Valve	OFF
Annunciator Panel Switch	Hold Test, All Annunciators Illuminated
Annunciator Panel Switch	Release
Fuel Selector	BOTH
Fuel Shutoff Valve	ON
Lights & Pitot Heat	All ON & Inspect
Flaps	30°
Switches	All OFF
Master	OFF
Trim	Set For T/O
Baggage Door	Secure
Static Source	Check Clear

2. EMPENNAGE	
Tail Tie-Down	Untie
Control Surfaces	Check Free Movement & Condition
Trim Tab	Check
Antennas	Check Security & Condition

3. RIGHT WING

Aileron	Check Free Movement & Security
Flap	Check Security & Condition
Tie-Down	Untie
Main Wheel	Check Inflation & Condition
Fuel Drains	Drain & Inspect (5)
Fuel Quantity	Check Visually
Fuel Filler Cap	Secure, Vent Unobstructed

4. NOSE

Fuel Drains	Drain & Inspect (3)
Oil Level	5 QTZ - Min
Air Inlets	Check Clear
Propeller & Spinner	Check
Air Filter	Check Clear
Nose Wheel Strut & Tyre	Check Inflation & Condition
Left Static Source	Check Clear

5. LEFT WING

Fuel Quantity	Check Visually
Fuel Filler Cap	Secure, Vent Unobstructed
Fuel Drains	Drain & Inspect (5)
Main Wheel	Check Inflation & Condition
Tie-Down	Untie
Stall Warning	Check Clear
Landing & Taxi Lights	Check Condition
Flap	Check Security & Condition
Aileron	Check Free Movement & Security

NORMAL CHECKLIST



1. BEFORE START	
Pre-Flight	Completed
Documentation	On-Board
Start Position	Suitable
PAX Brief	Completed
Seat Position	Set
Harness	Secured
Hatches	Secured
Park Brake	Reset ON
Fuel Selector	BOTH
Fuel Shutoff Valve	IN
Mixture	ICO
Throttle	Set ¼ "
Switches	All OFF, Beacon - ON
Circuit Breakers	Checked
ELT	Armed / Portable
CO Detector	Tested
Master	ON
Voltage	> 24 V

2. START PROCEDURE			
	Normal	Warm	Flooded
Throttle	¼ "	¼ "	½ Open
Fuel Pump	ON	OFF	OFF
Mixture	RICH 3-5 s	ICO	ICO
Fuel Flow	Positive	-	-
Mixture	ICO	-	-
Fuel Pump	OFF	-	-
Starter	Engage	Engage	Engage
Mixture	RICH	RICH	RICH

3. AFTER START	
Throttle	1000 RPM
Oil Pressure	GREEN within 30s
Suction	GREEN
Voltage Ammeter	Checked Charging
Avionics	ON, Checked Serviceability
Flaps	UP
Radios – COM 1	CTR / CTA
– COM 2	ATIS / AWIS / CTAF
ATIS & QNH	Checked & Set
Transponder	Checked Code & STBY
DG	Aligned
Flight Plan	Loaded & Verified

4. TAXI	
Brakes	Checked
Turning Left Right	Compass & DG ↓ ↑
	Right Left Skid
	AI No Topple



5. PRE-TAKE-OFF

Park into Wind		
	Park Brake	ON
T	Throttle	1000 RPM
	Trim	Tested & Set for T/O
M	Mixture	RICH
	Magnetos	BOTH
	Master	ON
P	Pitch	N/A
F	Fuel Selector	BOTH
	Fuel Quantities	Checked
	Flaps	Checked & UP
I	Instruments	Left to Right Checked
		DG Aligned
		ALT Set
	Oil Temperature	GREEN
	Throttle	1800 RPM
S	Switches - Magnetos	L - BOTH - R - BOTH
		Max Drop 150 RPM Each
		Max Diff 50 RPM Between
	Ammeter	Charging
	Annunciation Panel	Checked
C	Circuit Breakers	Checked
		Controls
H	Hatches & Harness	Secured
T.O.S.B. & Taxi Call		

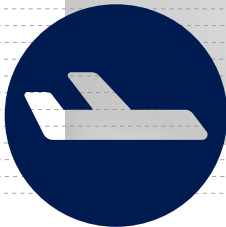


LEARN TO FLY



6. LINE-UP		
F	Fuel Pump	OFF
	Flaps	Set for T/O
A	Avionics	Set Current & Next Frequencies
S	Switches & Lights	Magnetos – BOTH
		Strobe – ON for entering RWY
		Landing – ON for T/O
T	Transponder	Set ALT when entering RWY
	Trim	Checked
	DG	Aligned
	Oil T's	GREEN
	Hatches & Harnesses	Secured

7. AFTER TAKE-OFF		
300 FT		
Flaps	UP	
Lights	Landing – OFF	
Safe ALT		
Fuel Pump	OFF	



8. PRE-LANDING		
B	Brakes	OFF & Operating
O	Oil T's & P's	GREEN
U	Undercarriage	Fixed
M	Mixture	RICH
	Magnetos	BOTH
	Master	ON
F	Fuel Pump	OFF
	Fuel Selector	BOTH
	Fuel Quantities	Checked & Sufficient
A	Autopilot	N/A
H	Hatches & Harnesses	Secured
L	Lights	Landing - ON
9. SHORT FINAL		
C	Carby Heat	N/A
P	Pitch	N/A
U	Undercarriage	Fixed
F	Flaps	As Required
10. AFTER LANDING		
F	Fuel Pump	OFF
	Flaps	UP
A	Avionics	Set Current Frequency & Taxi Call
S	Switches	Landing - OFF Strobe - OFF / ON if crossing RWY
T	Transponder	Checked Code & STBY
	Trim	Set for T/O

11. SHUTDOWN

Park Brake	ON
Throttle	1000 RPM
Avionics	OFF
Magnetos	L - BOTH - R - BOTH - OFF - BOTH
Mixture	ICO
Magnetos	OFF & Key Out
Flight Times	Checked
Master	OFF
Switches	ALL OFF, Beacon - ON



ABNORMAL CHECKLIST



PRECAUTIONARY LANDING	
Harnesses	Secured
IAS	60 KTS
Flaps	20°
Landing Area	As appropriate
Approach	Overfly at ALT suitable to recognise obstacles
Avionics	OFF
Switches	OFF
Flaps	30° on final
Master	OFF
Hatches	Opened
Magnetos	OFF
Mixture	ICO

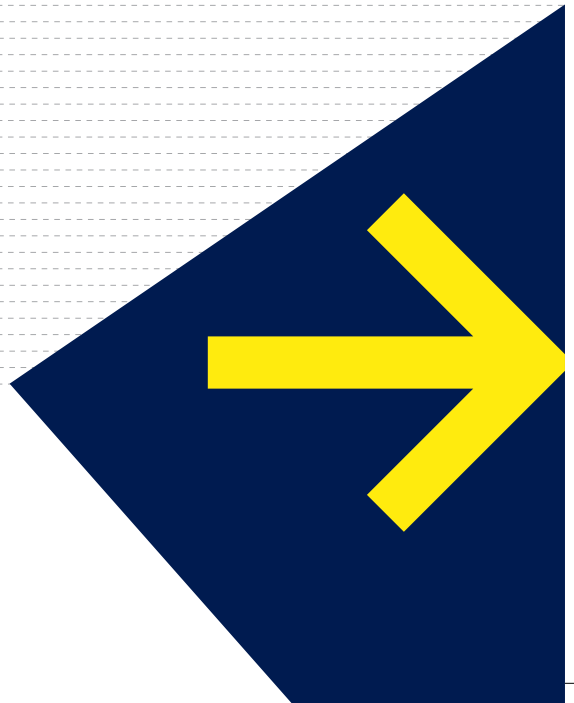
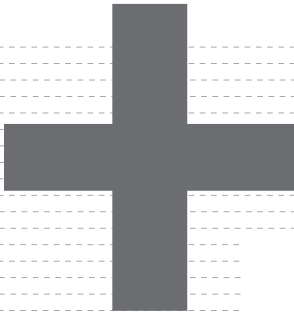
EXCESSIVE CHARGE	
In-Flight	
Alternator	OFF
Electrical Equipment	Non-essentials OFF
Land ASAP	

LOW VOLTAGE (VOLTS) ANNUNCIATOR	
Avionics	OFF
Alternator	Checked circuit breaker
Master	OFF
Master	ON
Annunciator	Checked VOLTS off
Avionics	ON
If unchanged, follow 'EXCESSIVE CHARGE' procedures	

LOW OIL PRESSURE	
If 'OIL PRESS' illuminates	Land ASAP
If Oil T's also increasing	Reduce power

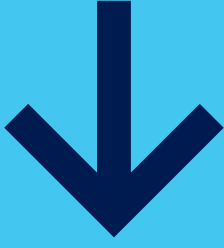
ROUGH ENGINE RUNNING	
Magnetos	Verify which one is troubled
Mixture	Lean for a few minutes, then RICH
Magnetos	Check
If unchanged , land ASAP	

STATIC SOURCE BLOCKED	
Alternate Static Valve	Pulled ON
	Refer to Alternate Static Source Airspeed Calibration Table after





EMERGENCY CHECKLIST



EMERGENCY LANDING	
Seats	Upright
Harnesses	Secured
IAS	65 KTS
ATC	Advised
Mixture	ICO
Fuel Shutoff Valve	OFF
Magnetos	OFF
Flaps	As required
Master	OFF
Hatches	Opened

ENGINE RESTART	
IAS	65 KTS
Fuel Shutoff Valve	ON
Fuel Selector	BOTH
Fuel Pump	ON
Mixture	RICH
Magnetos	BOTH or engage starter

LANDING WITH DEFECTIVE MAIN Tyre	
Approach	Normal
Flaps	30°
Touchdown	Good main tyre first
	Hold off flat tyre as long as possible

LANDING WITH DEFECTIVE NOSE Tyre	
Approach	Normal
Flaps	As required
Touchdown	On main tyres
	When nose tyre touches, apply full up elevator

ENGINE FIRE ON GROUND	
Starter	Continue cranking
If engine starts	
Throttle	1700 RPM
Engine	Shutdown
If engine fails to start	
Throttle	Max
Mixture	ICO
Starter	Continue cranking
Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Master	OFF
Magnetos	OFF
Parking Brake	Released
Fire Extinguisher	Vacate & extinguish

ENGINE FIRE IN-FLIGHT	
Mixture	ICO
Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Master	OFF
Cabin Heat & Air	OFF
IAS	100 KTS
Land ASAP	

ELECTRICAL FIRE IN-FLIGHT	
Master	OFF
Cabin Heat & Air	OFF
Fire Extinguisher	Activate (If installed)
Avionics	OFF
Switches	ALL OFF



LEARN TO FLY

22-24 Northern Ave,
Moorabbin Airport VIC 3194