8KCAB QRH

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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 were 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

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LIMITATIONS

AIRSPEEDS	
V NE	174
V NO	139
V A	93 – Normal Category
	115 – Aerobatic Category
V x	50
V Y	71
V GLIDE	65
V S1	47
V R	55
V BASE	75
V FINAL	70
V AT	61
X-WIND	17

WEIGHTS	
M TOW	818 KG (1800 LBS)
M LW	818 KG (1800 LBS)
M BAGGAGE	45 KG (100 LBS)
LOAD FACTOR (NORMAL)	+ 5G, - 3G
LOAD FACTOR (AEROBATIC)	+ 6G, - 5G

OTHERS	
FUEL	40 USG - USABLE
OIL	6 QTZ - MIN
	8 QTZ - MAX
FUEL BURN RATES	NORMAL - 32L/HR (LEARNED)
	AEROBATIC - 45L/HR (FULL RICH)
60 MIN LESSON, 30 MIN AEROBATICS	AEROBATIC LESSON - 40L/HR

PRE FLIGHT
INSPECTION

1. CABIN	
Cabin Door & Release Mechanism	Check Condition & Security
Flight Controls	Check Free Movement
Magneto & Electrical Switches	OFF
Fuel Quantity Gauge	Check
Fuel Shut-Off Valve	ON
Seat Belts	Check Condition & Security
ELT	ARM (as required)
Loose Articles & Equipment	Remove & Clean

2. RIGHT WING	
Wing Root Fairing	Check Condition
Greenhouse Roof	Check Condition
Aileron	Check Condition & Free Movement
Wing Tip & Light	Check Condition
Front & Rear Struts	Check Condition
Fuel Drain	Inspect
Tie-Down	Remove
Fuel	Check Quantity

3. RIGHT MAIN GEAR	
Chocks	Remove
Tires	Check Condition & Inflation
Brakes	Check Condition & Leakage
Wheel Fairing	Check Condition & Security

4. NOSE SECTION	
Windshield	Check Condition & Clean
Oil	Check Quantity
Fuel Drain	Inspect
Engine Compartment	Check Condition & Leakage
Cowling & Inspection Door	Check Condition & Security
Propeller & Spinner	Check Condition & Security
Air Filter	Check Condition
Landing Light	Check Condition

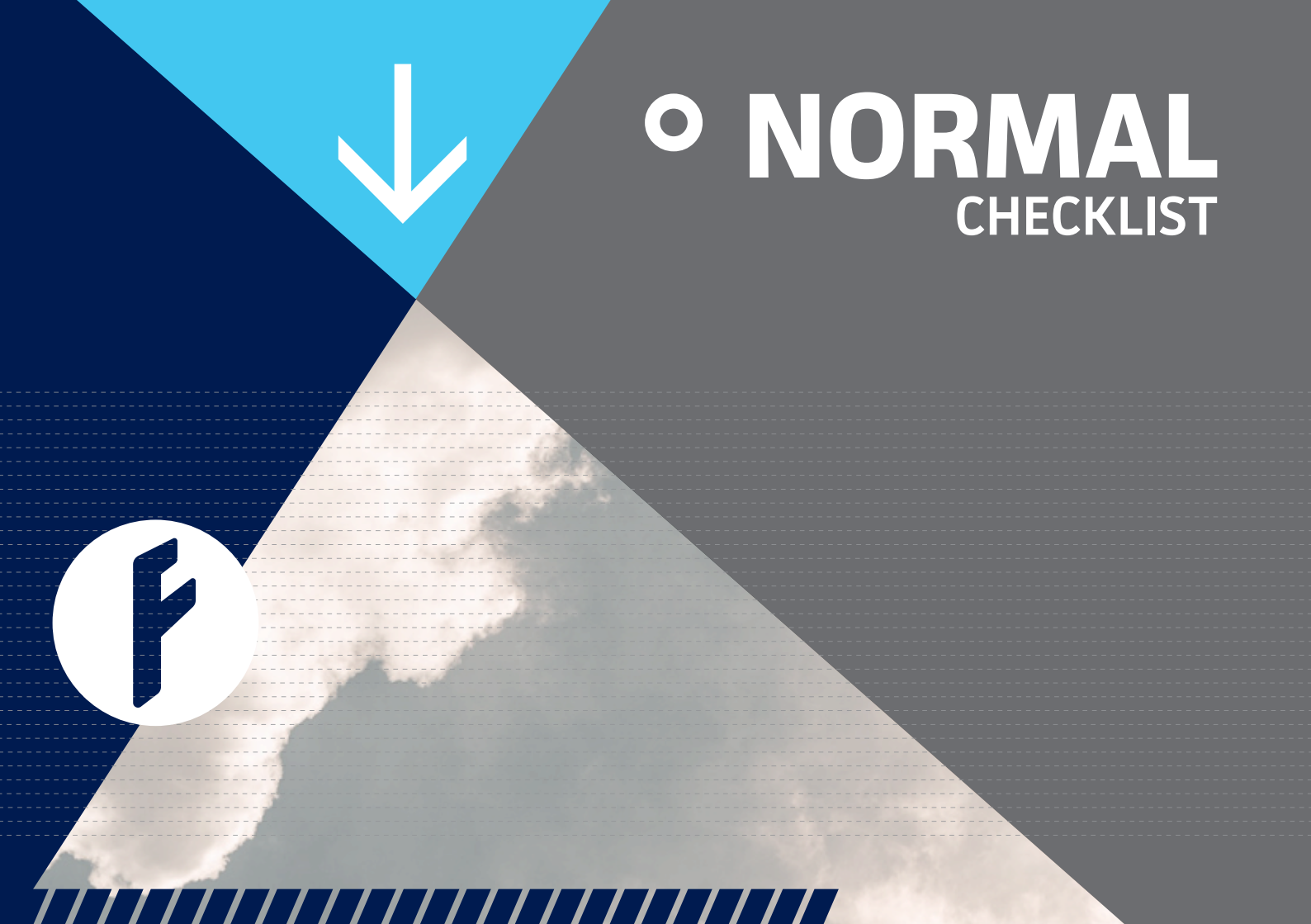
5. LEFT MAIN GEAR	
Chocks	Remove
Tires	Check Condition & Inflation
Brakes	Check Condition & Leakage
Wheel Fairing	Check Condition & Security

6. LEFT WING	
Wing Root Fairing	Check Condition
Greenhouse Roof	Check Condition
Aileron	Check Condition & Free Movement
Wing Tip & Light	Check Condition
Front & Rear Struts	Check Condition
Fuel Drain	Inspect
Tie-Down	Remove
Fuel	Check Quantity
Pitot Tube & Fuel Vent	Check Unobstructed
Stall Warning	Check Free Movement

7. LEFT FUSELAGE	
Fabric	Check Condition
Windows	Check Condition & Clean
Fuel Belly Drain	Inspect
Radio Antenna	Check Security
Left Static Port	Check for Blockage

8. EMPENNAGE	
Horizontal Stabilizer & Brace Wires	Check Condition & Security
Vertical Stabilizer & Light	Check Condition
Elevator, Trim Tab & Rudder	Check Condition
Tail Wheel	Check Condition & Inflation
Tie-Down	Remove

9. RIGHT FUSELAGE	
Fabric	Check Condition
Windows	Check Condition & Clean
Radio Antenna	Check Security
Right Static Port	Check for Blockage


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 Shutoff Valve	ON
Engine Control Levers	**IDLE** | **FINE** | **ICO**
Alternate Air	Cold
Switches	All OFF
Circuit Breakers	Checked
ELT	Armed / Portable
CO Detector	Checked
Master	ON
Voltage	**> 24 V**

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

3. AFTER START	
Throttle	1000 RPM
Oil Pressure	**GREEN within 30 s**
Ammeter	Charging
Avionics & Radio	ON
Light	Strobe - **OFF**
ATIS & QNH	Checked & Set
Radio	Set Current & Next Frequencies
Transponder	Checked Code & Standby

4. TAXI	
Brakes	Checked
Turning Left | Right	Compass & HSI ↓ | ↑
	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	FINE
F	Fuel Shut-Off Valve	ON
	Fuel Pump	OFF
	Flaps	N/A
	Fuel Quantities	Checked
I	Instruments	Left to Right Checked
		HDG & ALT Set
	Oil Temperature	**GREEN**
	Throttle	2000 RPM
S	Switches – Magnetos	L – BOTH – R – BOTH
		Max Drop **175 RPM** Each (Diff **50 RPM**)
	Alternate Air	Check Operation
	Pitch	Cycle **3** Times:
		RPM ↓
		MAP ↑
		Oil P's ↓
	Throttle	IDLE & Checked
		1000 RPM
C	Circuit Breakers	Checked
	Controls	Correct, Full & Free
H	Hatches & Harnesses	Secured
T.O.S.B & Taxi Call		

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

7. AFTER TAKE-OFF	
300 FT	
Flaps	N/A
Lights	Landing – **OFF**
Safe ALT	
Fuel Pump	OFF (check pressure)
Climb Power	Set 2500 RPM/25"

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	ON
	Fuel Quantities	Checked & Sufficient
A	Alternate Air	Cold (unless icing condition exist)
H	Hatches & Harnesses	Secured
L	Lights	Landing – **ON**

9. SHORT FINAL		
C	Carby Heat	N/A
P	Pitch	FINE
U	Undercarriage	Fixed
F	Flaps	N/A

10. AFTER LANDING		
F	Fuel Pump	OFF
	Flaps	N/A
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 & Radio	OFF
Magnetos	L – BOTH – R – BOTH
Mixture	ICO
Magnetos	OFF & Key Out
Flight Times	Checked
Master	**OFF**
Switches	All OFF, Strome - **ON**

ABNORMAL
CHECKLIST

LOSS OF PROPELLER CONTROL	
Throttle	As Required
Land ASAP using 'PRECUATIONARY LANDING APPROACH'	

PARTIAL POWER LOSS
Follow 'ENGINE AIR RESTART'
Land ASAP using 'PRECUATIONARY LANDING APPROACH'

STATIC SYSTEM FAILURE	
Pressure Instruments	Break Glass

ABNORMAL OIL PRESSURE/TEMPERATURE	
Gauges	Cross-checked
If high oil t's & oil p's reducing	Reduce Power & Mixture Rich
Land ASAP	
If little or no oil p's	Land **ASAP**

PRECAUTIONARY LANDING APPROACH	
IAS	75
Throttle	IDLE
Pitch	FINE
Sideslip As Required to Lose Height	

EMERGENCY
CHECKLIST

EMERGENCY LANDING	
IAS	65
Mixture	ICO
Fuel Shut-Off Valve	OFF
Master	ON
ACT	Advised
Landing Area	As Appropriate
Switches	All OFF

ALTERNATOR FAILURE	
Master	Cycle
If situation continues	
Unnecessary Electrical Equipment	OFF
Land ASAP	

ENGINE FIRE ON GROUND	
Starter	Continue Cranking
Mixture	ICO
Throttle	Max
Aircraft	As Inspect

PERSISTING ENGINE FIRE ON GROUND	
Mixture	ICO
Fuel Shut-Off Valve	OFF
Switches	All OFF
Fire Extinguisher	Vacate & Extinguish Fire

ENGINE FIRE IN-FLIGHT	
Mixture	ICO
Fuel Shut-Off Valve	OFF
Switches	All OFF
Cabin Heat	OFF
Fire Extinguisher	Extinguish Fire
Land ASAP	

ELECTRICAL FIRE / SMOKE IN-FLIGHT	
Switched	All OFF
Aire Vents & Windows	Open if Required
Fire Extinguisher	Extinguish Fire
If fire persists, Land ASAP	

ENGINE AIR RESTART	
IAS	80
Fuel Pump	ON
Alternate Air	HOT
Mixture	RICH or LEAN at high alt
Fuel Shut-Off Valve	ON
Magnetos	BOTH
Pitch	FINE
If unsuccessful, follow 'EMERGENCY LANDING'	

NOTES

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22-24 Northern Ave,
Moorabbin Airport VIC 3194