



**SLING 2** QRH

# 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**



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# LIMITATIONS X



| <b>AIRSPEDS</b> |     |
|-----------------|-----|
| V NE            | 135 |
| V NO            | 110 |
| V A             | 91  |
| V FE            | 85  |
| V X             | 65  |
| V Y             | 74  |
| V GLIDE         | 72  |
| V SO            | 42  |
| V SI            | 46  |
| V R             | 40  |
| V BASE          | 75  |
| V FINAL         | 65  |
| V AT            | 60  |
| X-WIND          | 15  |

| <b>WEIGHTS</b>       |        |
|----------------------|--------|
| M TOW                | 600 KG |
| M LW                 | 600 KG |
| M BAGGAGE (FRONT)    | 35 KG  |
| M BAGGAGE (REAR)     | 25 KG  |
| M BAGGAGE (COMBINED) | 35 KG  |

| <b>OTHERS</b> |                |
|---------------|----------------|
| FUEL          | 150 L - TOTAL  |
|               | 146 L - USABLE |
| OIL           | 2.55 L - MIN   |
|               | 3 L - MAX      |

# PRE FLIGHT INSPECTION



| <b>1. CABIN</b>   |                              |
|-------------------|------------------------------|
| Ignition          | OFF                          |
| Master            | OFF                          |
| Fuel Quantities   | Visually Verify              |
| Master            | ON                           |
| Flaps             | DOWN                         |
| Lights            | ALL ON & Checked             |
| Master            | OFF                          |
| Avionics          | Verify Condition             |
| Controls          | Visual Inspection & Function |
| Canopy            | Verify Condition & Clean     |
| Cockpit           | Secure Loose Objects         |
| Fire Extinguisher | Verify Present & Valid       |
| Documentation     | Verify Present & Valid       |

| <b>2. RIGHT FUSELAGE &amp; WING</b> |  |
|-------------------------------------|--|
| Engine Cowl                         | Check  |
| Propeller & Spinner                 | Check  |
| Air Intakes                         | Check  |
| Radiators                           | Check  |
| Engine Mount                        | Check  |
| Exhaust Manifold                    | Check  |
| Oil, Coolant & Hydraulic Quantities | Check  |
| Fuel & Electrical Systems           | Check  |
| Engine Checks                       | As Per Rotax Manual, Includes Any Other Required Actions |
| Tyre & Wheel                        | Check Inflation & Wear                                   |
| Suspension & Undercarriage          | Check & Test   |

### 3. RIGHT FUSELAGE

|                          |                 |
|--------------------------|-----------------|
| Surface Condition        | Check           |
| Cowling Attachment       | Check           |
| Wing & Fuselage Fairings | Check           |
| Empennage Fairings       | Check           |
| Antennae                 | Check Condition |

### 4. RIGHT WING & MAIN GEAR

|   |  |
|---|--|
| Wheel Fairing                                 | Check Security & Cracks                  |
| Wheel & Brakes                                | Check Leaks, Wear, Inflation & Condition |
| Wheel Strut                                   | Check Condition & Cracks                 |
| Tank Drain                                    | Drain & Inspect                          |
| Leading Edge                                  | Check                                    |
| Taxi & Landing Lights                         | Check Condition & Cracks                 |
| Fuel Vents                                    | Unobstructed                             |
| Wing Tip                                      | Check                                    |
| Strobe & Nav Lights                           | Check Condition & Cracks                 |
| Trailing Edge                                 | Check                                    |
| Aileron                                       | Check Free Movement & Condition          |
| Aileron Hinges, Control Horn, Bolts & Pushrod | Secure & Check Condition                 |
| Flap Hinges, Control Horn, Bolts & Pushrod    | Secure & Check Condition                 |

### 5. EMPENNAGE

|                          |                 |
|--------------------------|-----------------|
| Surface Condition        | Check           |
| Cowling Attachment       | Check           |
| Wing & Fuselage Fairings | Check           |
| Empennage Fairings       | Check           |
| Antennae                 | Check Condition |

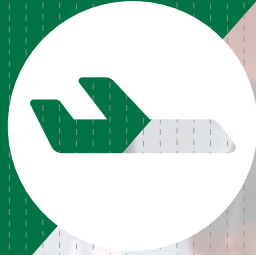
| <b>6. LEFT FUSELAGE</b>  |                 |
|--------------------------|-----------------|
| Surface Condition        | Check           |
| Cowling Attachment       | Check           |
| Wing & Fuselage Fairings | Check           |
| Empennage Fairings       | Check           |
| Antennae                 | Check Condition |

| <b>7. LEFT WING &amp; MAIN GEAR</b>                        |  |
|--|--|
| Flap Hinges, Control Horn, Bolts<br>Unobstructed & Pushrod | Secure & Check Condition                       |
| Aileron Hinges, Control Horn,<br>Bolts & Pushrod           | Secure & Check Condition                       |
| Aileron  | Check Free Movement & Condition                |
| Trailing Edge  | Check  |
| Strobe & Nav Lights  | Check Condition & Cracks                       |
| Wing Tip   | Check  |
| Pitot Tube   | Check Security, Remove Cover<br>& Unobstructed |
| Fuel Vents   | Unobstructed                                   |
| Taxi & Landing Lights                                      | Check Condition & Cracks                       |
| Leading Edge   | Check  |
| Tank Drain   | Drain & Inspect                                |
| Wheel Strut  | Check Condition & Cracks                       |
| Wheel & Brakes   | Check Leaks, Wear, Inflation<br>& Condition    |
| Wheel Fairing  | Check Security & Cracks                        |

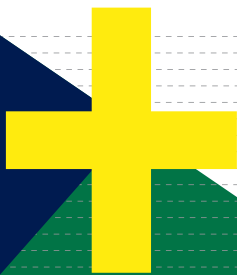




# NORMAL CHECKLIST



| 1. BEFORE START              |                     |
|------------------------------|---------------------|
| Pre-Flight                   | Completed           |
| Emergency Equipment          | Checked             |
| Start Position               | Suitable            |
| Pax Brief                    | Completed           |
| Hatches & Harnesses          | Secured             |
| Park Brake                   | Reset ON            |
| Fuel Selector                | Lowest Tank or LEFT |
| Switches                     | ALL OFF             |
| Master                       | ON                  |
| EFIS Backup                  | ON                  |
| EFIS 1 & 2                   | ON                  |
| Circuit Breakers             | Checked             |
| Voltage                      | > 12 V              |
| Flight Times                 | Checked             |
| MR & Trip Sheet              | Completed           |
| Fuel Quantities              | Set                 |
| AUX Fuel Pump                | ON                  |
| Throttle Lever               | Set 0 - 5 mm        |
| Starter                      | Engaged             |
| <b>Use Choke If Required</b> |                     |



## 2. AFTER START

|                  |                                |
|------------------|--------------------------------|
| Throttle         | 2000 RPM                       |
| Oil Pressure     | <b>GREEN within 30 s</b>       |
| EFIS 1 & 2       | Checked ON                     |
| Ammeter          | Charging                       |
| EFIS Backup      | OFF                            |
| AUX Fuel Pump    | OFF                            |
| Avionics & Radio | ON                             |
| Flaps            | UP                             |
| ATIS & QNH       | Checked & Set                  |
| Radio            | Set Current & Next Frequencies |
| Transponder      | Checked Code                   |

## 3. TAXI

|                      |                     |
|----------------------|---------------------|
| Brakes               | Checked             |
| Turning Left   Right | Compass & HSI ↓   ↑ |
|                      | Right   Left Skid   |
|                      | AI No Topple        |



| 4. PRE-TAKE-OFF      |                     |  |
|----------------------|---------------------|--|
| Park into Wind       |                     |  |
|                      | Park Brake          | ON   |
| <b>T</b>             | Throttle            | 2000 RPM, or<br><b>2500 RPM If Cold</b>  |
|                      | Trim                | Tested & Set for T/O   |
| <b>M</b>             | Mixture             | N/A  |
|                      | Ignition            | BOTH   |
|                      | Masters             | ON   |
| <b>P</b>             | Pitch               | N/A  |
| <b>F</b>             | Fuel Pump           | ON   |
|                      | Fuel Selector       | Switch Tank & Start Timer  |
|                      | Fuel Pump           | OFF  |
|                      | Flaps               | Checked & UP   |
| <b>I</b>             | Instruments         | Left to Right Checked<br>HDG & ALT Set   |
|                      | Oil Temperature     | <b>&gt; 40°C</b>   |
|                      | Throttle)           | 4000 RPM   |
| <b>S</b>             | Switches – Magnetos | L – BOTH – R – BOTH<br>Max Drop <b>300 RPM</b> Each<br>Max Diff <b>115 RPM</b> Between |
|                      | Throttle            | IDLE & Checked<br>2000 RPM   |
| <b>C</b>             | Circuit Breakers    | Checked  |
|                      | Controls            | Correct, Full & Free   |
| <b>H</b>             | Hatches & Harnesses | Secured  |
| T.O.S.B. & Taxi Call |                     |  |

| 5. LINE-UP |                     |                                     |
|------------|---------------------|-------------------------------------|
| <b>F</b>   | Fuel Pump           | ON                                  |
|            | Flaps               | Set for T/O                         |
| <b>A</b>   | Avionics            | Set Current & Next Frequencies      |
| <b>S</b>   | Switches & Lights   | Ignition – BOTH                     |
|            |                     | Strobe – <b>ON</b> for entering RWY |
|            |                     | Landing – <b>ON</b> for T/O         |
| <b>T</b>   | Transponder         | Checked Code                        |
|            | Trim                | Checked                             |
|            | Oil T's             | > 50°C                              |
|            | Pitot Heat          | Secured                             |
|            | Hatches & Harnesses | Secured                             |

| 6. AFTER TAKE-OFF |           |                      |
|-------------------|-----------|----------------------|
| <b>300 FT</b>     |           |                      |
|                   | Flaps     | UP                   |
|                   | Lights    | Landing – <b>OFF</b> |
| <b>Safe ALT</b>   |           |                      |
|                   | Fuel Pump | OFF (Check pressure) |

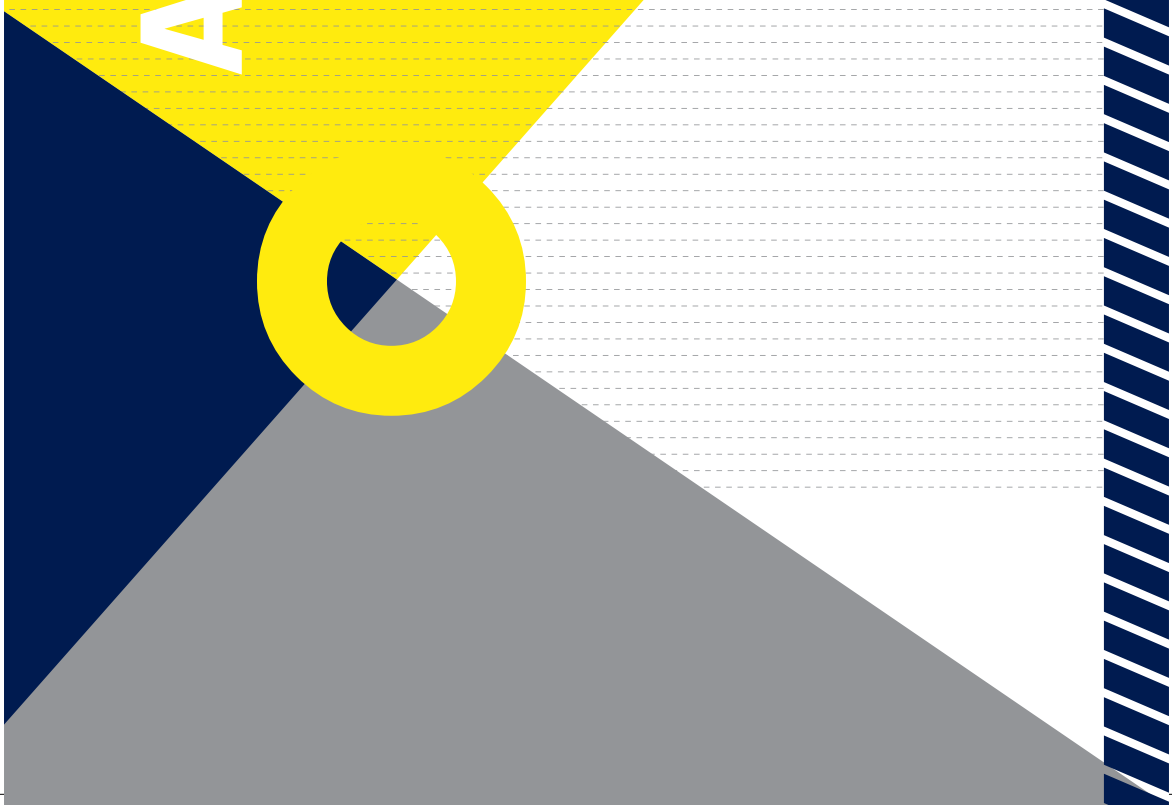
| 7. PRE-LANDING |                     |                              |
|----------------|---------------------|------------------------------|
| <b>B</b>       | Brakes              | OFF & Operating              |
| <b>O</b>       | Oil T's & P's       | GREEN                        |
| <b>U</b>       | Undercarriage       | Fixed                        |
| <b>M</b>       | Mixture             | N/A                          |
|                | Ignition            | BOTH                         |
|                | Master              | ON                           |
| <b>F</b>       | Fuel Pump           | ON                           |
|                | Fuel Selector       | Every 30 min or Fullest Tank |
|                | Fuel Quantities     | Checked & Sufficient         |
| <b>A</b>       | Autopilot           | N/A                          |
| <b>H</b>       | Hatches & Harnesses | Secured                      |
| <b>L</b>       | Lights              | Landing – <b>ON</b>          |

| 8. SHORT FINAL |               |             |
|----------------|---------------|-------------|
| <b>C</b>       | Carby Heat    | N/A         |
| <b>P</b>       | Pitch         | N/A         |
| <b>U</b>       | Undercarriage | Fixed       |
| <b>F</b>       | Flaps         | As Required |

| 9. AFTER LANDING |             |   |
|------------------|-------------|---|
| <b>F</b>         | Fuel Pump   | OFF   |
|                  | Flaps       | UP  |
| <b>A</b>         | Avionics    | Set Current Frequency & Taxi Call               |
| <b>S</b>         | Switches    | Landing - <b>OFF</b>                            |
|                  |             | Strobe - <b>OFF</b> / <b>ON</b> if crossing RWY |
| <b>T</b>         | Transponder | Checked Code                                    |
|                  | Trim        | Set for T/O                                     |

| 10. SHUTDOWN |                  |                     |
|--------------|------------------|---------------------|
|              | Park Brake       | ON                  |
|              | Throttle         | 2000 RPM            |
|              | Flaps            | DOWN                |
|              | Avionics & Radio | OFF                 |
|              | Ignition         | L - BOTH - R - BOTH |
|              | Ignition         | OFF                 |
|              | Magnetos         | OFF & Key Out       |
|              | Flight Times     | Checked             |
|              | Master           | <b>OFF</b>          |
|              | Switches         | All <b>OFF</b>      |

# ABNORMAL CHECKLIST



| PRECAUTIONARY LANDING |                                     |
|-----------------------|-------------------------------------|
| Landing Area          | As appropriate                      |
| ATC                   | Advised                             |
| Procedures            | Perform low altitude pass into wind |
|                       | Followed by a circuit pattern       |
| Approach              | Short field landing                 |
| After Stopping        | Switches OFF                        |
|                       | Fuel Selector OFF                   |

| LANDING WITH A FLAT/DAMAGED WHEEL |  |
|-----------------------------------|--|
| Touchdown                         | At lowest practical speed                          |
|                                   | Keep damaged wheel off until lowest speed possible |
| If Nose Wheel Is Flat             | Hold nose off as long as possible                  |

| EFIS SYSTEM FAILURE |   |
|---------------------|---|
| EFIS Backup & EFIS  | OFF   |
| EFIS                | ON <b>After 3 s</b>                           |
|                     | Maintain S & L for 15 s while system boots up |
|                     | If <b>unchanged</b> , land <b>ASAP</b>        |

| CARBURETOR ICING |  |
|------------------|--|
| Speed            | 75 KTS   |
| Throttle         | 1/3 Open   |
|                  | Gradually increase to 4800 RPM after 1 – 2 minutes |



| LOW OIL PRESSURE              |  |
|-------------------------------|--|
| If Oil T's high or increasing | Set throttle to get 72 KTS             |
|                               | If <b>unchanged</b> , land <b>ASAP</b> |

| LOW FUEL PRESSURE          |  |
|----------------------------|--|
| Fuel Quantities            | Checked                                |
| AUX Fuel Pump              | ON                                     |
| If fuel pressure still low | Change fuel selector                   |
|                            | Decrease throttle                      |
|                            | If <b>unchanged</b> , land <b>ASAP</b> |



# EMERGENCY CHECKLIST



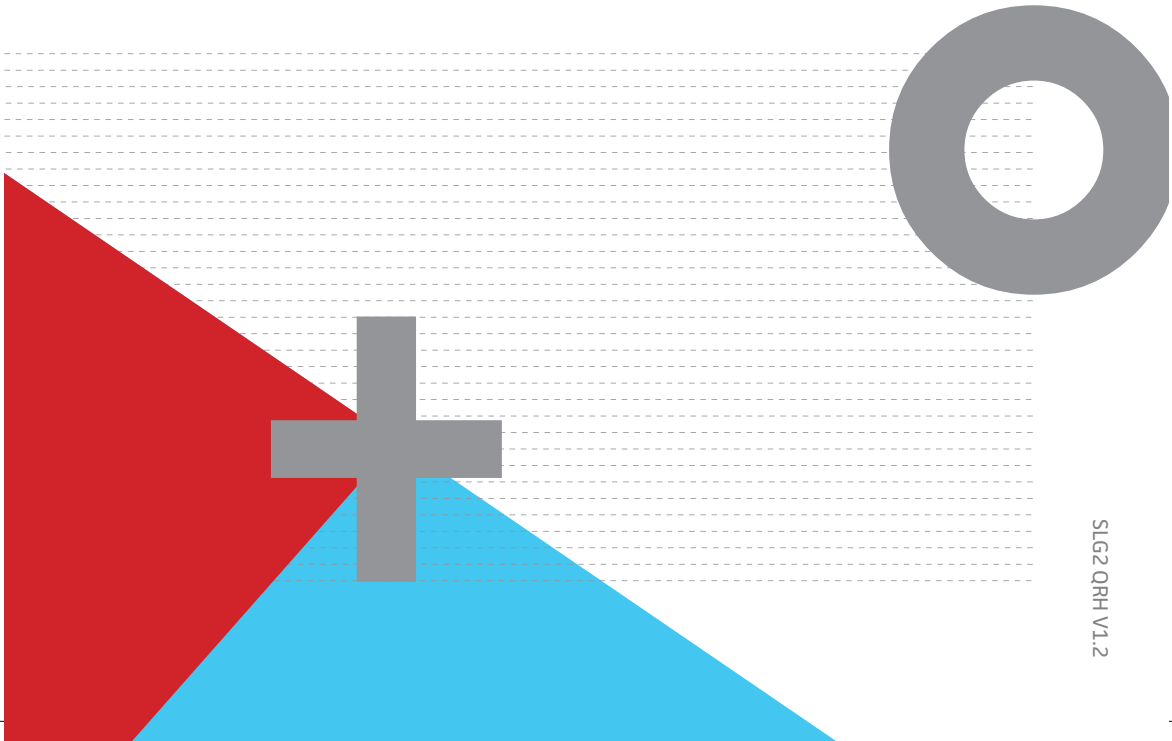
| <b>EMERGENCY LANDING</b> |                |
|--------------------------|----------------|
| IAS                      | 72 KTS         |
| Trim                     | Set            |
| Landing Area             | As appropriate |
| Harnesses                | Secured        |
| If time permits          | Engine restart |
| Flaps                    | As required    |
| ATC                      | Advised        |
| Pax Brief                | Completed      |
| <b>Before Touchdown</b>  |                |
| Fuel Selector            | OFF            |
| AUX Fuel Pump            | OFF            |
| Ignition                 | OFF            |
| Master                   | OFF            |

| <b>ALTERNATOR FAILURE</b> |                    |
|---------------------------|--------------------|
| EFIS                      | OFF                |
| Electrical Equipment      | Non-essentials OFF |
| AUX Fuel Pump             | OFF                |
| EFIS                      | Minimum brightness |
| Trim                      | Try avoid          |
| <b>Land ASAP</b>          |                    |

| <b>ENGINE FIRE ON GROUND</b> |                          |
|------------------------------|--------------------------|
| Starter                      | Released                 |
| Fuel Selector                | OFF                      |
| AUX Fuel Pump                | OFF                      |
| Throttle                     | IDLE                     |
| Ignition                     | OFF                      |
| Master                       | OFF                      |
| Fire Extinguisher            | Vacate & extinguish fire |

| ENGINE FIRE IN-FLIGHT / AFTER TAKE-OFF |                                |
|--|--------------------------------|
| Cabin Heat                             | OFF                            |
| Fuel Selector                          | OFF                            |
| Throttle                               | Max                            |
| Ignition                               | OFF after engine has shut down |
| AUX Fuel Pump                          | OFF                            |
| Landing Area                           | As appropriate                 |
| Fire Extinguisher                      | Vacate & extinguish fire       |

| ELECTRICAL FIRE / SMOKE IN-FLIGHT |            |
|-----------------------------------|------------|
| AUX Fuel Pump                     | ON         |
| Master                            | OFF        |
| Cabin Heat                        | OFF        |
| Fire Extinguisher                 | Extinguish |
| Cabin Vents                       | Open       |
| <b>Land ASAP</b>                  |            |







**LEARN TO FLY**

22-24 Northern Ave,  
Moorabbin Airport VIC 3194