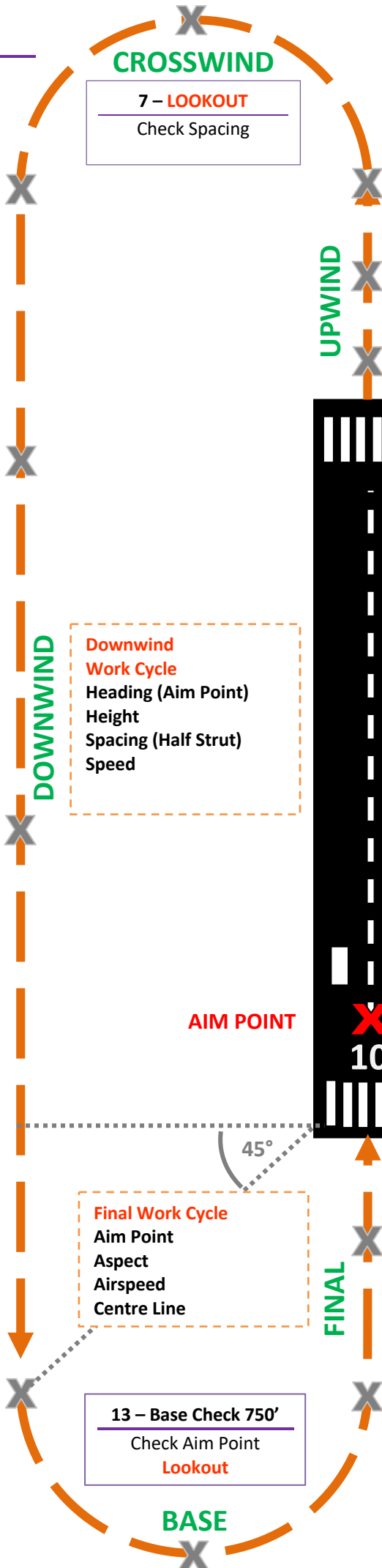


# C172 Circuit Diagram



**8 – Level off**  
**ATTITUDE** 4 Fingers  
**SPEED** (>85 KIAS)  
**POWER** 2300 RPM  
**TRIM**  
 1000 Feet AMSL  
 Cruise **90-95 KIAS**  
 Check Spacing  
**AIM POINT**

**9 – Downwind Call**

**Class D**  
**Radio Call**

**10 – Pre-landing Checks**  
**B**rakes  
**U**ndercarriage  
**M**ixture  
**F**uel  
**I**nstruments  
**S**witches  
**H**atches  
**H**arnesses

**11 – Abeam the Threshold**  
 Reduce power 2100 RPM  
 Anticipate Balloon  
 Flap 10°  
 Attitude 4 Fingers  
 Speed **85 KIAS**

**12 – Approaching 45°**  
**LOOKOUT**  
 Carb Heat ON  
 Power 1700 RPM  
 Maintain ALT. (1000')  
 Speed < **85 KIAS**  
 Flap 20°  
**Trim as Required**  
 Down and Around  
 Attitude Half Screen  
**75 KIAS** 500 ft/m

**CTAF**  
**Radio Call**

**7 – LOOKOUT**  
 Check Spacing

**6 – 500'**  
 Turn Cross Wind  
 Gentle Climb Turn  
 Max 15° AoB

**5 – 400'**  
**LOOKOUT**

**4 – 300 Feet**  
 Positive RoC Confirmed  
 Flaps up  
 After Takeoff Checks

**3 – Climb-out**  
**76 KIAS**  
**AIM POINT**

**2 – Rotate**  
**50 KIAS**  
 Takeoff Attitude (just below far end of the RWY)  
**56 KIAS** (V<sub>Toss</sub>)  
 Rotate Wings Level  
 Rudder to Balance  
**Trim as Required**

**1 – Full Power**  
 Rudder keep Straight  
 Static RPM, T's & P's  
 ASI Increasing

**16 – Short Final**  
**65 KIAS @ 50'**

**15 – Final Checks**  
**P**itch  
**U**ndercarriage  
**F**laps  
**L**anding Clearance  
**R**unway/Windsock  
 Carb Heat OFF

**14 – Final**  
 Established 500'  
 On profile  
**AIM POINT**  
 1/3 Windscreen  
 Speed - **70 KIAS**  
**Trim as Required**  
 500ft/m

**13 – Base Check 750'**  
 Check Aim Point  
**Lookout**