

# NORMAL CHECKLIST C172SP HB-CQW

## BEFORE ENGINE START

- 1 Preflight inspection..... COMPLETED
  - 2 Tow bar .....REMOVED
  - 3 Weight and balance / performance ..... CHECKED
  - 4 Passenger briefing ..... COMPLETED
  - 5 Seats ..... ADJUSTED
  - 6 Seatbelts ..... FASTENED / Inertia..... CHECKED
  - 7 Parking brake ..... SET
  - 8 Fuel selector ..... BOTH
  - 9 Fuel shutoff valve (*pushed in*) .....ON
  - 10 Electrical switches & avionics master ..... OFF
  - 11 Master switch .....ON
  - 12 Circuit breakers ..... .. CHECKED
  - 13 Fuel quantity ..... according to FLIGHT PLANNING
  - 14 Annunciater panel ..... CHECKED
- BEFORE ENGINE START CHECK COMPLETED**

## STARTING ENGINE

- 1 Rotating beacon .....ON
  - 2 Propeller area ..... CLEAR
  - 3 Mixture – IDLE CUT OFF ..... Throttle – OPEN 1 CM
- NOTE: if engine is warm, omit priming procedure steps 4 – 7 below**
- 4 Aux fuel pump (*cold engine only*) .....ON
  - 5 Mixture ..... RICH
  - 6 Fuel flow (*rise 3-5 sec*) ..... CHKD / Mixture IDLE CUT OFF
  - 7 Aux fuel pump ..... OFF
  - 8 Starter ..... ENGAGE
  - 9 Mixture advance smoothly to ..... RICH
  - 10 Throttle (*warm up 1000 rpm*) ..... CLOSE PROMPTLY
  - 11 Oil pressure ..... CHECKED
  - 12 Annunciater lights ..... OUT
  - 13 Avionics master .....ON
  - 14 Directional Gyro ..... SET
  - 15 Sky – Map .....ON
  - 16 Altimeter (field elevation / QNH) ..... SET
  - 17 Avionics .....SET AND CHECKED
- STARTING ENGINE CHECK COMPLETED**

## TAXI

- 1 Brakes and steering ..... CHECKED
  - 2 Flight instruments ..... CHECKED
- TAXI CHECK COMPLETED**

VS	53 KIAS	VX	62 KIAS	VFE	110 KIAS
VSO	48 KIAS	VY	74 KIAS	Max TO	1157 kg
VR	55 KIAS	V best glide	70 KIAS	34 Lit/h	9 USGAL

**BEFORE DEPARTURE**

- 1 Parking brake ..... SET
  - 2 Doors and Windows ..... CLOSED & LOCKED
  - 3 Seats and Seatbelts ..... CHECKED
  - 4 Flight Controls ..... CHECKED
  - 5 Trims ..... SET
  - 6 Flaps ..... TAKE OFF
  - 7 Fuel QTY and selector valve ..... CHECKED
  - 8 Oil Temperature ..... GREEN ARC
  - 9 Throttle ..... 1800 RPM
  - 10 Magnetos (150 / 50) ..... CHECKED
  - 11 Engine instruments and ammeter ..... CHECKED
  - 12 Suction gauge ..... CHECKED
  - 13 Power Idle and back to 1000 rpm ..... CHECKED
  - 14 Magnetos ..... BOTH
  - 15 Aux fuel pump ..... OFF
  - 16 COM / NAV / GPS settings ..... COMPLETED
  - 17 Departure briefing ..... COMPLETED
  - 18 Transponder ..... AS REQUIRED
- BEFORE DEPARTURE CHECK COMPLETED*

**LINE UP**

- 1 Approach sector and runway ..... CLEAR
  - 2 Strobe lights and landing lights ..... ON
  - 3 Directional gyro and heading ..... CHECKED
- LINE UP CHECK COMPLETED*

**CLIMB**

- 1 Climb power ..... SET
  - 2 Flaps ..... UP
  - 3 Landing light ..... AS REQUIRED
- CLIMB CHECK COMPLETED*

**CRUISE**

- 1 Cruise power ..... SET
  - 2 Fuel quantity ..... CHECKED
  - 3 Engine instruments ..... CHECKED
  - 4 Mixture ..... SET
  - 5 Altimeters (QNH / QNE) ..... SET
- CRUISE CHECK COMPLETED*

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## DESCENT

- 1 ATIS / RWY ..... CHECKED
  - 2 Approach briefing ..... COMPLETED
  - 3 Avionic setting ..... COMPLETED
  - 4 Directional gyro ..... CHECKED
  - 5 Fuel Quantity and Fuel Selector ..... CHECKED
  - 6 Mixture ..... AS REQUIRED
  - 7 Landing light ..... AS REQUIRED
- DESCENT CHECK COMPLETED*

## APPROACH

- 1 Fuel Selector ..... BOTH
  - 2 Mixture ..... RICH
  - 3 Landing Light ..... ON
  - 4 Altimeter (QNH) ..... SET
- APPROACH CHECK COMPLETED*

## FINAL

- 1 Flaps ..... SET FOR LANDING
  - 2 Mixture ..... RICH
- FINAL CHECK COMPLETED*

## AFTER LANDING

- 1 Pitot ..... OFF
  - 2 Landing Lights and Strobes ..... OFF
  - 3 Flaps ..... UP
  - 4 Transponder ..... AS REQUIRED
- AFTER LANDING CHECK COMPLETED*

## PARKING

- 1 Parking Brake ..... SET
  - 2 Avionics Master ..... OFF
  - 3 All Electrical ..... OFF
  - 4 Mixture ..... IDLE CUT OFF
  - 5 Ignition ..... OFF
  - 6 Master switch ..... OFF
  - 7 Control Lock ..... AS REQUIRED
  - 8 Fuel selector valve ..... LEFT OR RIGHT
- PARKING CHECK COMPLETED*

VS	53 KIAS	VX	62 KIAS	VFE	110 KIAS
VSO	48 KIAS	VY	74 KIAS	Max TO	1157 kg
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## **SPEEDS**

V <sub>s</sub> .....	53 KIAS
V <sub>so</sub> .....	48 KIAS
V <sub>R</sub> .....	55 KIAS
V <sub>x</sub> .....	62 KIAS
V <sub>y</sub> .....	74 KIAS
V <sub>interm approach</sub> .....	75 KIAS
V <sub>final approach</sub> .....	65 KIAS
V <sub>best glide clean</sub> .....	70 KIAS
V <sub>FE 10°</sub> .....	110 KIAS
V <sub>FE 10° - 30°</sub> .....	85 KIAS
V <sub>A</sub> (2550lbs / 1160kg) ...	105 KIAS
V <sub>A</sub> (1900lbs / 860kg) .....	90 KIAS
V <sub>max window open</sub> .....	163 KIAS
V <sub>Demo x-wind</sub> .....	XX KIAS

## **WEIGHTS**

Max Takeoff weight .....	2550lbs / 1157kg
Basic Empty weight .....	1675lbs / 760kg
Payload .....	875lbs / 400kg
Fuel ( <i>212 Liter</i> ) .....	335lbs / 150kg
Payload with full tanks .....	540lbs / 250kg