



## C-172SP CHECKLIST

### PREFLIGHT INSPECTION

#### CABIN

1. Documents .....ARROW
  2. Flight Information Manual.. AVAILABLE
  3. G1000 Reference Guide.... AVAILABLE
  4. Flight Plan & Charts ..... AVAILABLE
  5. Aircraft Wt & Balance ..... CHECK
  6. Parking Brake..... SET
  7. Control Wheel Lock ..... REMOVE
  8. Ignition..... OFF
  9. Avionics (Bus 1 & Bus 2)..... OFF
  10. Master (ALT & BAT) ..... ON
  11. Hobbs & Tach Time..... NOTE
  12. Lights & Pitot Heat..... CHECK
  13. PFD .....CHECK ON
  14. Fuel Quantity (L & R)..... CHECK
  15. Low Fuel Annunciator..... VERIFY OFF
  16. Oil Pressure Annunciator... VERIFY ON
  17. Low Volts Annunciator..... VERIFY ON
  18. Low Vac Annunciator ..... VERIFY ON
  19. Fwd Av. Fan (Bus 1).. ON/CHECK/OFF
  20. Aft Av. Fan (Bus 2) .... ON/CHECK/OFF
  21. Flaps .....EXTEND 10°
  22. Master (ALT & BAT) ..... OFF
  23. Circuit Breakers..... CHECK IN
  24. Fire Extinguisher ..... CHECK
  25. Fuel Selector Valve ..... BOTH
  26. Alternate Static Air Valve..... OFF
  27. Elevator Trim ..... SET FOR TAKEOFF
- #### EMPENNAGE
1. Baggage Door ..... OPEN (LEAVE KEY)
  2. A/P Static Port ..... CHECK
  3. Tail Tiedown ..... REMOVE
  4. Rear Control Surfaces..... CHECK
  5. Elevator Trim Tab..... CHECK
  6. Antennas ..... CHECK

#### RIGHT WING

1. Right Flap & Aileron.....CHECK
2. Right Wing General Condition ..CHECK
3. Right Wing Tiedown .....REMOVE
4. Right Main Wheel & Tire.....CHECK
5. Right Main Brake Condition.....CHECK
6. Right Wheel Chocks .....REMOVE
7. Right Wing Fuel Sumps .....DRAIN (5)
8. Right Fuel Qty & Cap.....CHECK

#### NOSE AREA

1. Nose Fuel Sumps .....DRAIN (3)
2. Engine Heater.. UNPLUG (if necessary)
3. Engine Oil .....CHECK (6 qts min)
4. Nosewheel Tire & Strut.....CHECK
5. Nosewheel Chocks .....REMOVE
6. Cowl Plugs.....REMOVE
7. Engine Cooling Air Inlets .....CHECK
8. Alternator Belt.....CHECK
9. Propeller & Spinner .....CHECK
10. Air Filter .....CHECK
11. Static Port .....CHECK

#### LEFT WING

1. Left Fuel Quantity & Cap .....CHECK
2. Fuel Tank Vent Opening.....CHECK
3. Stall Warning Opening.....CHECK
4. Pitot Tube Cover.....REMOVE
5. Left Wing General Condition.....CHECK
6. Left Aileron & Flap .....CHECK
7. Left Wing Tiedown .....REMOVE
8. Left Main Wheel & Tire .....CHECK
9. Left Main Brake Condition .....CHECK
10. Left Wheel Chocks .....REMOVE
11. Left Wing Fuel Sumps .....DRAIN (5)
12. Baggage Door .... CLOSED & LOCKED

### BEFORE ENGINE START

1. Passenger Briefing .....COMPLETE
2. Seats & Seatbelts .. CHECK & ADJUST
3. Brakes .....TEST & SET
4. Circuit Breakers ..... CHECK IN
5. Electrical Equipment..... OFF
6. Avionics (Bus 1 & Bus 2) ..... OFF
7. Fuel Selector Valve ..... BOTH
8. Fuel Shutoff Valve ..... ON (push full in)
9. Flight Controls .....FREE & CORRECT

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### ENGINE START

1. Standby Battery Switch.. TEST (20 sec)
2. Standby Battery Switch..... ARM
3. Engine Ind. System (PFD) ..... CHECK
4. Bus E Volts ..... VERIFY 24 volts min
5. Bus M Volts.... VERIFY 1.5 volts or less
6. Batt S Amps..... VERIFY DISCHARGE
7. Stby Batt Annunciator ..... VERIFY ON
8. Beacon.....ON
9. Master Switch (ALT & BAT) .....ON

#### Prime Engine (omit if engine is warm)

10. Throttle..... OPEN (IN)
11. Fuel Pump .....ON
12. Mixture ..... FULL RICH  
until stable fuel flow is indicated (3 to 5 seconds), then set to LEAN CUTOFF
13. Fuel Pump ..... OFF
14. Throttle..... CLOSE THEN ½" OPEN
15. Propeller Area..... CLEAR
16. Ignition Switch..... START
17. Mixture ..... ADVANCE as engine starts

#### NOTE: PROTECT YOUR STARTER!

Do NOT engage for more than 10 seconds! Allow 20 seconds to cool down between attempts. Repeat up to 4 times, then let cool for at least **30 minutes** prior to another attempt.

#### NOTE: HOT START procedure on reverse.

18. Throttle..... 1000 RPM
19. Oil Pressure ..... CHECK
20. Mixture ..... LEAN FOR TAXI
21. Amps (Batt M & Batt S)..... VERIFY +
22. Bus M Volts..... VERIFY (28 volts min)
23. Bus E Volts ..... VERIFY (28 volts min)

### BEFORE TAXI

1. Lights ..... AS REQUIRED
2. Flaps ..... RETRACT
3. Avionics (Bus 1 & Bus 2) ..... ON
4. Database ..... CHECK CURRENT
5. Flight Plan..... LOAD
6. Fuel Quantity ..... VERIFY / RESET
7. Weather / ATIS .....LISTEN & RECORD
8. COM Frequencies..... SET
9. NAV Frequencies..... SET
10. Taxi Clearance.....OBTAINED
11. Taxi Area ..... CLEAR
12. Brakes..... TEST IMMEDIATELY

### BEFORE TAKEOFF CHECK

1. Brakes.....SET
2. Seats, Seat backs, Seatbelts ... CHECK
3. Doors ..... CLOSED & LOCKED
4. PFD..... NO RED X's
5. Altimeters ..... SET ALL 3
6. Altitude Preselects ..... SET BOTH
7. Standby Flight Instruments ..... CHECK
8. Fuel Quantity..... CHECK
9. Fuel Selector Valve ..... BOTH
10. Electric Trim ..... CHECK  
Verify non-movement with single switch.  
Verify proper movement with both.
11. Elevator Trim..... SET FOR TAKEOFF
12. Autopilot..... TEST / VERIFY OFF

#### RUNUP

13. Mixture ..... RICH
14. Throttle..... 1800 RPM
15. Mixture ..... SET FOR ALTITUDE
16. Magnetos ..... CHECK  
150 max drop, 50 max difference
17. Annunciators ..... CHECK OFF
18. Engine Indicators ..... CHECK
19. VAC indicator ..... CHECK
20. Ammeters and Volt Meters..... CHECK
21. Throttle ..... CHECK IDLE
22. Throttle ..... 1000 RPM or less
23. Throttle Friction ..... SET
24. COM Frequencies ..... SET
25. NAV Frequencies ..... SET
26. MFD Flight Plan ..... AS DESIRED
27. LRU & GPS Status..... CHECK
28. Transponder..... SET
29. CDI Softkey .... SELECT NAV SOURCE
30. INSET & FPL Windows ... AS DESIRED
31. PFD Softkey ..... Brg1 & Brg2 SET
32. Lights ..... AS REQUIRED
33. Transponder..... VERIFY CODE
34. Heading Bug ..... SET RWY HDG
35. Brakes..... RELEASE
36. Takeoff Clearance.....OBTAINED



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## NORMAL TAKEOFF

Flaps..... UP  
Throttle .....FULL  
Lift Nosewheel ..... WHEN ABLE  
Accelerate in G.E..... TO 70 KIAS  
Climb Airspeed ..... 70 to 80 KIAS

## SHORT-FIELD TAKEOFF

Flaps..... 10°  
Brakes ..... HOLD  
Throttle .....FULL  
Brakes ..... RELEASE  
Rotate..... 56 KIAS  
Obstacle Climb A/S ..... 56 KIAS  
Climb Airspeed ..... 60 KIAS  
Wing Flaps.....RETRACT SLOWLY  
Climb Airspeed ..... 70 to 80 KIAS

## NORMAL CLIMB

Airspeed ..... 70 to 85 KIAS  
Throttle ..... RETARD SLIGHTLY  
Mixture.....AS REQUIRED FOR MAX RPM

## CRUISE

Throttle .....2100 to 2700 RPM  
Elevator Trim .....ADJUSTED  
Mixture..... LEAN (50° RICH OF PEAK)  
Flight Plan ..... VERIFY

## DESCENT

Throttle .....2000 to 2500 RPM  
Mixture..... ADJUST AS REQUIRED  
Altimeters ..... SET ALL 3  
Altitude Preselects.....SET BOTH  
CDI Softkey ..... SELECT NAV SOURCE  
Flight Plan on MFD..... REVIEW AND BRIEF  
Fuel Selector Valve ..... BOTH  
Wing Flaps.....AS DESIRED

## BEFORE LANDING

Carburetor Heat ..... N/A  
Fuel (Gas)..... BOTH  
Undercarriage .....DOWN AND LOCKED  
Mixture ..... SET  
Power ..... SET  
Seats & Seatbelts ..... CHECK & ADJUST  
Switches (lights, etc).....AS DESIRED  
Autopilot..... OFF

## LANDING

Downwind ..... 90 KIAS  
Abeam Numbers.....85 KIAS / FLAPS 10°  
Base Leg .....75 KIAS / FLAPS 20°  
Final Leg.... 65 KIAS / FLAPS AS DESIRED

## GO-AROUND

Throttle ..... FULL  
Flaps..... RETRACT TO 20°  
Climb Airspeed ..... 60 KIAS  
Flaps..... RETRACT TO 10°at 65 KIAS

## AFTER LANDING

Flaps..... RETRACT  
Lights .....AS REQUIRED  
Ground Clearance .....OBTAIN

## SHUTDOWN & SECURE

1. Engine Tach & Fuel ..... NOTE
2. Avionics (Bus 1 & Bus 2) ..... OFF
3. Mixture..... LEAN CUTOFF
4. Magnetos..... OFF (Keys on panel)
5. Elec Equip ..... OFF (except BEACON)
6. Master Switch ..... OFF
7. Standby Battery ..... OFF
8. Control Lock .....INSTALL
9. Fuel Selector Valve ..... LEFT or RIGHT
10. Hobbs Meter ..... NOTE
11. Sunscreen .....INSTALL
12. Wheels..... CHOCK
13. Tiedowns ..... SECURE
14. Cowl Plugs.....INSTALL
15. Engine Heater..... PLUG IN (in Winter)
16. Pitot Tube Cover.....INSTALL
17. Flight Plan..... CLOSE

## AIRCRAFT SPEEDS

V<sub>A</sub> .....90 to 105 KIAS  
V<sub>FE</sub> ..... 85 KIAS  
V<sub>NO</sub> ..... 129 KIAS  
V<sub>NE</sub> .....163 KIAS  
V<sub>S1</sub> ..... 48 KIAS  
V<sub>S0</sub> ..... 40 KIAS  
V<sub>X</sub> ..... 65 KIAS  
V<sub>Y</sub> .....75 KIAS  
Best Glide..... 68 KIAS

## HOT START PROCEDURE:

1. Mixture ..... LEAN
2. Throttle..... Full OPEN (IN)
3. Aux Fuel Pump Switch ..... ON for 20 s
4. Mixture .....RICH momentarily
5. Mixture ..... LEAN
6. Auxiliary Fuel Pump Switch.....OFF
7. Throttle..... Half OPEN
8. Starter ..... ENGAGE until engine fires,  
.....**then release!**
9. Mixture ..... RICH
10. Aux Fuel Pump Switch .ON (if required)
11. Throttle..... 1000 RPM
12. Mixture ..... SET FOR ALTITUDE
13. Auxiliary Fuel Pump Switch.....OFF

## RIFLE

GARFIELD CO RGNL (RIL) 3 E UTC-7(-6DT) N39°31.60' W107°43.68'

5537 B S4 FUEL 100LL, JET A OX 1, 4 NOTAM FILE RIL

RWY 08-26: H7000X100 (ASPH-GRVD) S-90, D-200, 2S-108,

2D-250 PCN 43 F/B/X/U HIRL 1.0% up E

RWY 08: REIL. PAPI(P4L)—GA 3.0° TCH 47'

RWY 26: ODALS. PAPI(P4L)—GA 3.6° TCH 58'. Rgt tfc.

AIRPORT REMARKS: Attended continuously. Fuel avbl 24 hrs. 100LL self-svc with credit card. Jet A after hrs call 970-625-4833. After winter snow storms arpt opens before all twys are cleared. User fee for acft 12,500 lbs or more. Overnight parking fee. ACTIVATE HIRL Rwy 08-26, PAPI Rwy 08, Rwy 26 and REIL Rwy 08 and, ODALS Rwy 26—CTAF.

WEATHER DATA SOURCES: ASOS 135.275 (970) 625-2206.

COMMUNICATIONS: CTAF/UNICOM 122.8

RIFLE RCO 122.5 (DENVER RADIO)

DENVER CENTER APP/DEP CON 134.5

AIRSPACE: CLASS E svc (class hours pending consult NOTAMs).

RADIO AIDS TO NAVIGATION: NOTAM FILE RIL.

RIFLE (L) VOR/DME 110.6 RIL Chan 51(Y) N39°31.70'  
W107°43.18' at fld. 5484/10E.

VOR/DME unusable:

045°-085° byd 21 NM

085°-200° byd 16 NM

200°-226° byd 10 NM

226°-270° byd 20 NM

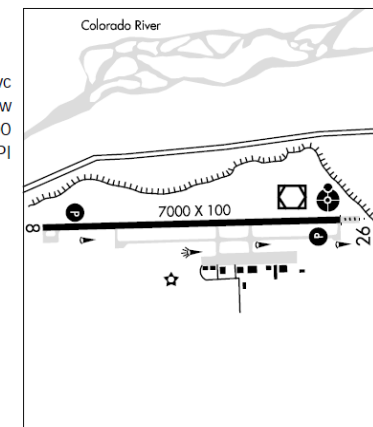
270°-300° byd 16 NM

300°-360° byd 21 NM

360°-045° byd 15 NM

ILS/DME 110.9 I-RIL Chan 46 Rwy 26.

DENVER  
H-3E, L-9E  
IAP



If you are unable to return when expected, please call us at **(970) 254-0444** or toll-free at **1-866-897-7910** to advise us of your new ETA.

You may also reach **Bradley Sullivan at (970) 210-5527.**



**Colorado Flight Center**  
800 Heritage Way, Grand Junction, CO 81506  
Ph: (970) 254-0444 Fx: (970) 254-0445  
[www.ColoradoFlightCenter.com](http://www.ColoradoFlightCenter.com)

