



C-182T CHECKLIST

PREFLIGHT INSPECTION

CABIN

1. DocumentsARROW
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... NOTE IN CLIPBOARD
12. Lights & Pitot Heat..... CHECK
13. Stall Warning CHECK
14. PFDCHECK ON
15. Fuel Quantity (L & R)..... CHECK
16. Low Fuel Annunciators VERIFY OFF
17. Oil Pressure Annunciator... VERIFY ON
18. Low Volts Annunciator..... VERIFY ON
19. Low Vac Annunciator VERIFY ON
20. Fwd Av. Fan (Bus 1).. ON/CHECK/OFF
21. Aft Av. Fan (Bus 2) ON/CHECK/OFF
22. FlapsEXTEND 10°
23. Master (ALT & BAT) OFF
24. Circuit Breakers..... CHECK IN
25. Fire Extinguisher CHECK
26. Fuel Selector Valve BOTH
27. Cowl Flaps..... OPEN
28. Alternate Static Air Valve..... OFF
29. Elevator Trim SET FOR TAKEOFF

EMMPENAGE

1. Baggage Door OPEN (LEAVE KEY)
2. Rudder Gust Lock REMOVE
3. Tail Tiedown REMOVE

4. Rear Control SurfacesCHECK
5. Elevator Trim TabCHECK
6. AntennasCHECK

RIGHT WING

1. Right Flap & Aileron..... CHECK
2. Right Wing General Condition ..CHECK
3. Right Wing TiedownREMOVE
4. Right Main Wheel & Tire..... CHECK
5. Right Main Brake ConditionCHECK
6. Right Wheel ChocksREMOVE
7. Right Fuel Tank Vent..... CHECK
8. Right Wing Fuel SumpsDRAIN (5)
9. Right Fuel Qty & Cap..... CHECK

NOSE AREA

1. Right Static Source OpeningCHECK
2. Nose Fuel SumpsDRAIN (3)
3. Engine Heater.. UNPLUG (if necessary)
4. Engine OilCHECK (7 qts min)
5. Engine Cooling Air InletsCHECK
6. Propeller & SpinnerCHECK
7. Nosewheel Tire & Strut..... CHECK
8. Nosewheel ChocksREMOVE
9. Cowl Plugs.....REMOVE
10. Engine Cooling Air InletsCHECK
11. Alternator Belt.....CHECK
12. Propeller & SpinnerCHECK
13. Air FilterCHECK
14. Left Static Source Opening.....CHECK

LEFT WING

1. Left Fuel Quantity & Cap CHECK
2. Left Fuel Tank VentCHECK
3. Stall Warning Opening.....CHECK
4. Pitot Tube Cover..... REMOVE
5. Landing / Taxi Lights CHECK
6. Left Wing General Condition.....CHECK
7. Left Aileron & FlapCHECK
8. Left Wing TiedownREMOVE
9. Left Main Wheel & TireCHECK
10. Left Main Brake ConditionCHECK
11. Left Wheel ChocksREMOVE
12. Left Wing Fuel SumpsDRAIN (5)
13. Baggage Door CLOSED & LOCKED

BEFORE ENGINE START

1. Passenger Briefing COMPLETE
2. Seats & Seatbelts .. CHECK & ADJUST
3. BrakesTEST & SET

4. Circuit BreakersCHECK IN
5. Electrical EquipmentOFF
6. Avionics (Bus 1 & Bus 2)OFF
7. Fuel Selector Valve..... BOTH
8. Flight Controls..... FREE & CORRECT

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 ½ INCH
11. Fuel PumpON
12. MixtureFULL RICH
until stable fuel flow is indicated (3 to 5 seconds), then set to LEAN CUTOFF
13. Fuel PumpOFF

14. Throttle..... OPEN 1/2" INCH
15. Propeller Area..... CLEAR
16. Ignition Switch..... START
17. Mixture ADVANCE as engine starts

NOTE: If engine is primed too much (flooded), place the mixture control in the LEAN CUTOFF position, open the throttle halfway, and engage the starter. When the engine starts, advance the mixture to appropriate setting for smooth engine running and retard the throttle promptly.

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

BEFORE TAXI

1. Lights AS REQUIRED
2. Flaps RETRACT
3. Cowl Flaps OPEN
4. Avionics (Bus 1 & Bus 2)ON
5. Database CHECK CURRENT
6. Flight Plan..... LOAD

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 & MFD..... NO RED X's
5. Altimeters SET ALL 3
6. Altitude Preselects SET BOTH
7. Standby Flight Instruments CHECK
8. Fuel Quantity..... CHECK / RESET
9. Fuel Selector Valve BOTH
10. Electric Trim CHECK
Verify non-movement with single switch.
Verify proper movement with both.
- RH switch – push forward, verify PT illuminates.
11. Trim.....SET FOR TAKEOFF
12. Autopilot.....TEST / VERIFY OFF

RUNUP

13. Mixture RICH
14. Throttle 1800 RPM
15. Mixture SET FOR ALTITUDE
16. Propeller..... CYCLE
17. Magnetos CHECK
175 max drop, 50 max difference
18. Annunciators CHECK OFF
19. Engine Indicators CHECK
20. VAC indicator CHECK
21. Ammeters and Volt Meters..... CHECK
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. Takeoff Clearance..... OBTAINED

NORMAL TAKEOFF

Flaps..... 0° - 20° (10° Preferred)
Throttle FULL
Propeller 2400 RPM
Lift Nosewheel WHEN ABLE
Accelerate in G.E. TO 70 KIAS
Climb Airspeed 85 KIAS

SHORT-FIELD TAKEOFF

Flaps..... 20°
Brakes HOLD
Throttle FULL
Propeller 2400 RPM
Mixture ADJUST TO 24 GPH
Brakes RELEASE
Rotate 54 KIAS
Climb Airspeed 67 KIAS
Wing Flaps RETRACT SLOWLY
Climb Airspeed 74 to 80 KIAS

NORMAL CLIMB

Airspeed 85 to 95 KIAS
Throttle FULL
Propeller 2400 RPM
Mixture 15 GPH
Cowl Flaps OPEN

CRUISE

Throttle 15 to 23 in MP
Propeller 2250 RPM
Elevator Trim ADJUSTED
Cowl Flaps CLOSED
Mixture LEAN (50° RICH OF PEAK EGT)
Autopilot AS REQUIRED
Flight Plan VERIFY

DESCENT

Throttle ... REDUCE MAXIMUM 1" PER MIN
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

Fuel (Gas) BOTH
Undercarriage DOWN AND LOCKED
Mixture SET
Propeller HIGH RPM
Power SET
Seats & Seatbelts CHECK & ADJUST
Switches (lights, etc) AS DESIRED
Autopilot OFF

LANDING

Downwind 100 KIAS
Abeam Numbers 95 KIAS / FLAPS 10°
Base Leg 85 KIAS / FLAPS 20°
Final Leg 75 KIAS / FLAPS AS DESIRED

GO-AROUND

Throttle FULL
Flaps RETRACT TO 20°
Climb Airspeed 55 KIAS
Flaps RETRACT TO 10° at 70 KIAS
Cowl Flaps OPEN

AFTER LANDING

Flaps RETRACT
Cowl Flaps OPEN
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. Wheels CHOCK
12. Tiedowns SECURE
13. Cowl Plugs INSTALL
14. Engine Heater PLUG IN (in Winter)
15. Pltot Tube Cover INSTALL
16. Flight Plan CLOSE

Telephone Numbers

Flight Service 800 992 7433
KGJT ATIS 970 245 7881
KGJT Tower 970 986 3351
West Star Desk 970 248 5215
Monument Aircraft 970 257 9175
TriStar Aviation 970 255 1501

AIRCRAFT SPEEDS

V_A 91 to 110 KIAS
V_{FE} 100 KIAS
V_{NO} 140 KIAS
V_{NE} 175 KIAS
V_{S1} 50 KIAS
V_{S0} 40 KIAS
V_X 67 KIAS
V_Y 77 KIAS
Best Glide 76 KIAS

GRAND JUNCTION AREA RADIO COMMUNICATIONS FREQUENCIES

KGJT ATIS 118.55
KGJT Ground 121.70
KGJT Tower 118.10
Denver Approach / Departure 119.70
Denver Center 134.50
Denver Radio 122.60 or 122.20

GRAND JUNCTION AREA NAVIGATION STATION FREQUENCIES

JNC VOR 112.40
ILS Rwy 11 110.30
LDA Rwy 29 109.70

IFR CHECKLISTS

CLEARANCE

Clearance Limit
Route
Altitude
Frequency
Transponder Code

HOLDING AND APPROACHES (6 Ts)

Turn	Throttle
Time	Track
Twist	Talk

APPROACH BRIEFING

Missed Approach Procedure
Minimum Altitude (DA or MDA)
Radios
Time (FAF to MAP)
Heading(s)
Altitude(s)

WIRE CHECK (Prior to IAF)

Weather
Instruments (DG & Alt)
Radios (all tuned / identified)
Environment

- How low?
- How long?
- What if?

MISSED APPROACH

Cram it (full power)
Climb it
Clean it
Cool it
Call it

Copyright © 2008 Colorado Flight Center, Inc.

If you are unable to return to Grand Junction when expected, please call us **toll-free at 1-866-897-7910** to advise us of your new ETA.

You may also reach **Curt Thomas at (970) 261-2767** or **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

