

Civil Air Patrol Cessna T182T - N652CP NAV III - KAP140 AP

Cabin

1. Pitot Tube Cover.....Remove
2. CAP AIF FormsCheck
3. POH.....Accessible to pilot
4. G1000 CRGAccessible to pilot
5. Weight & Balance.....Checked
6. Parking Brake.....Set
7. Control Wheel Lock.....Remove
8. Fuel TanksRemove
9. Measure Gal/Caps Secure
- Engine Oil/Check level/stick Secure
-(4QT Min/8QT normal max)

WARNING
WHEN THE MASTER SWITCH IS ON, USING EXTERNAL POWER, OR MANUALLY ROTATING THE PROPELLER, TREAT THE PROPELLER AS IF THE MAGNETOS SWITCH IS ON. DO NOT STAND, NOR ALLOW ANYONE ELSE TO STAND, WITHIN THE ARC OF THE PROPELLER SINCE A LOOSE OR BROKEN WIRE, OR A COMPONENT MALFUNCTION COULD CAUSE THE ENGINE TO START

10. MAGNETOS SwitchOFF
11. AVIONICS Switch (BUS1 & 2) OFF
12. MASTER Switch (ALT & BAT) ON
13. Primary Flight Display... Verify ON
14. FUEL QTY (L and R).....Check
15. LOW FUEL L&R Annun Verify OFF
16. OIL PRESSURE Annun Verify ON
17. LOW VACUUM Annun.. Verify ON
18. AVIONICS Switch (BUS 1).....ON
19. Forward Avionics Fan... Verify ON
20. AVIONICS Switch (BUS 1).....OFF
21. AVIONICS Switch (BUS 2).....ON
22. Aft Avionics Fan Verify ON
23. AVIONICS Switch (BUS 2).....OFF
24. Pitot heat/Exterior lightsON
25. Exterior LightsCheck
26. Stall Warning HornCheck
27. Pitot TubeWarm
28. Pitot heat/exterior lights.....OFF
29. LOW VOLTS Annun..... Verify ON
30. MASTER Switch (ALT & BAT)OFF
31. ALT STATIC AIR Valve.....OFF
32. Trim Controls.. TAKEOFF Position
33. Fuel Selector Valve BOTH

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34. Oxygen Supply Pressure.....Check
35. Oxygen Masks.....Check
36. Fire Extinguisher .Ptr in Green Arc

Empennage

1. O2 Overboard Discharge Indicator
2. Baggage DoorSecure
3. Rudder Gust Lock..... Remove
4. Tail Tie-Down Disconnect
5. Control Surfaces.....Free/Secure
6. Trim TabCheck Secure
7. AntennasCheck Condition

Right Wing

1. Flap.....Security/Condition
2. AileronFree/Secure
3. Wing Tie DownDisconnect
4. Fuel Tank Vent.....No Blockage
5. Main Wheel TireInflation/Condition
6. Fuel Tank SumpsDrain
7. Fuel Quantity.....Check Visually
8. Fuel Filler Cap.....Secure

Nose

1. Right Static Source.. No Blockage
2. Fuel Strainer.....Drain
3. Engine Air InletsClear
4. Propeller & SpinnerCheck
5. Air FilterCheck
6. Nose Wheel Strut and Tire..Check
7. Engine Oil Dipstick/Filler Cap:
- a. Oil level.....More than 4 quarts
- b. Dipstick/Filler CapSecure
8. Left Static Source ... No Blockage

Left Wing

1. Fuel Quantity.....Check Visually
2. Fuel Filler Cap.....Secure
3. Fuel Tank SumpsDrain
4. Main Wheel TireInflation/Condition
5. Fuel Tank Vent.....No Blockage
6. Stall Warning Vane..... Verify Free
7. Landing/Taxi. Cover Clean/Secure
8. Wing Tie-downDisconnect
9. AileronFree/Secure
10. Flap.....Security/Condition
1. Fuel Sumps (13).....Sample

Outside Hangar

SEE POH FUEL CONTAMINATION WARNING

PASSENGER BRIEF

1. Seat Belts / Shoulder Harness
2. Personal Electronic Devices: Off
3. Air Vents / Comfort
4. Fire Extinguisher, First Aid Kit
5. Survival Kit
6. Emergency Procedures and Exits
7. Oxygen Procedures

MISSION BRIEF

1. Mission Objective
2. Crew Coordination & CRM
3. Sterile Cockpit Procedures
4. Intercom & Radio Usage
5. Emergency Actions & Equipment

Before Starting Engine

1. Preflight Inspection..... Complete
2. Passenger Brief..... Complete
3. Seats/Belts.....Adjust/Lock
4. Brakes.....Test and Set
5. AVIONICS Switch (BUS 1 & 2)OFF

CAUTION: THE AVIONICS SWITCH (BUS 1 & 2) MUST BE OFF DURING ENGINE START TO PREVENT POSSIBLE DAMAGE TO AVIONICS.

6. Instrument Dimmers.....Off
7. Electrical Equipment.....Off
8. Circuit Breakers (L&R) ... Check In
9. Cowl Flaps..... OPEN
10. Fuel Selector Valve BOTH

Starting Engine (With Battery)

1. Throttle Control.....Open 1/4 Inch
2. Propeller Control.....HIGH RPM
3. Mixture Control.....IDLE CUTOFF
4. Standby Battery Switch:
- a. Test. (10 sec, Green Lamp: ON)
- b. Arm(PFD comes ON)
5. Engine Instruments..... No Red X's
6. BUS E Volts.....24 V Minimum
7. M BUS Volts1.5 V Maximum
8. BATT S Amps..... Verify Negative
9. STBY BATT Annun..... Verify ON
10. Fuel Quantity.....Enter in PFD
11. ENG Time.....Record
12. Propellor Area.....CLEAR
13. MASTER Switch (ALT & BAT). ON
14. Beacon.....ON

NOTE: If engine is over primed/flooded
a. Mixture.....IDLE CUTOFF
b. Throttle.....1/2 to full
c. Ignition Switch.....Start
d. Engine starts.. Mixture Full Rich
e. Retard throttle promptly.

NOTE: If engine is warm, omit 15-17
15. Auxiliary Fuel Pump.....ON
16. Mixture...full rich until the fuel flow stabilizes (3-6 sec) then Idle Cutoff
17. Auxiliary Fuel Pump.....OFF

18. MAGNETOS Switch.....Start
19. Mixture ControlADVANCE

Taxi

20. Oil Pressure.....Check
21. AMPS (M BATT & BATT S)Positive
22. LOW VOLTS Annun Verify OFF
23. NAV Light Switch.....ON
24. AVIONICS Switch (BUS 1 & 2) ON
25. Mixture Lean to peak at 1200RPM
26. Mission Master.....ON
27. CAP Radio.....ON
28. ANNUN SwitchBRT
29. Seat Select.....2
30. Comm 3 Select.....FM
31. MFDCheck Currency
32. Audio PanelAdjust
33. ATIS / AWOSCopy
34. Clearance/Radio checks.As Req'd

Before Takeoff

1. Brakes.....Test
2. Flight Controls... Position for Wind
3. Flight Instruments Verify Operation
1. Parking BrakeSet
2. Seat Backs..Most Upright Position
3. Seat Belts.....Check Secure
4. Cabin Doors... Closed and Locked
5. Flight Controls... Free and Correct
6. Flight Instruments..... No Red X's
7. Altimeters (PFD,Standby,KAP) Set
8. G1000 ALT SEL.....Set
9. KAP 140 Altitude.....Set
10. Standby Flight Instruments. Check

11. Fuel Quantity Check
12. Fuel Selector Valve BOTH
13. Manual Electric Trim Check
14. Autopilot Engage
15. Flight Controls Check AP Override
16. AP TRIM DISC Button Press
17. Flight Director OFF
18. Trims Set for Takeoff
19. Throttle 1800 RPM
 - Mixture. Lean for smooth operation
 - Magnetos..... RPM drop 175/50
 - Propeller..... Cycle, Leave in High
 - VAC Indicator Check
 - Engine Indicators Check
 - Ammeters and Voltmeters... Check
20. PFD Annunciators... .. Verify None
21. Throttle Check Idle
22. Throttle 1000 RPM or LESS
23. Throttle Friction Lock..... Adjust
24. COM & NAV Frequencies Set
25. FMS/GPS Flight Plan.. As Desired
26. MFD AUX Page 3..... Check GPS2
27. XPDR Set
28. CDI Softkey NAV Source
29. Cabin PWR 12 V switch OFF
30. Wing Flaps ...0-20° (10° preferred)
31. Cowl Flaps Open
32. Windows..... Closed and Locked
33. Takeoff/Departure Brief
34. Strobe/Pulse Lights As Req'd
35. Parking Brake..... Release

Normal Takeoff

1. Wing Flaps ...0-20° (10° preferred)
2. Throttle Control 32"
3. Propeller Control 2400 RPM
4. Mixture..... 24 GPH
5. Elevator Rotate at 50-60 KIAS
6. Climb Speed... 70 KIAS (flaps 20°)
80 KIAS (flaps 0°)
7. Wing Flaps UP @ safe Alt >70 KIAS

Short Field Takeoff

1. Wing Flaps 20°
2. Brakes Apply
3. Throttle Control 32"
4. Propeller Control 2400 RPM
5. Mixture..... 24 GPH

6. Brakes Release
7. Elevator Control..... Slightly tail low
8. Climb Speed 60 KIAS
9. Wing Flaps UP @ Safe Alt >70 KIAS

Normal Climb

1. Airspeed 90-100 KIAS
2. Throttle Control..... 25"
3. Propeller Control 2400 RPM
4. Mixture 16 GPH
5. Fuel Selector Valve BOTH
6. Cowl Flaps..... OPEN
7. Target Altitude Set
8. Oxygen As Req'd

Max Performance Climb

1. Airspeed 84 KIAS @ Sea level
80 KIAS @ 20,000'
2. Throttle Control..... 32"
3. Propeller Control 2400 RPM
4. Mixture 24 GPH
5. Fuel Selector Valve BOTH
6. Cowl Flaps..... OPEN
7. Target Altitude Set
8. Oxygen As Req'd

Cruise

1. Power... 15-27" & 2000-2400 RPM
2. Trims..... Adjust
3. Mixture Control Lean
4. Cowl Flaps..... As Req'd
5. Oxygen Monitor Quantity
6. FMS/GPS Review/Brief
7. Landing/Pulse Lights As Req'd
8. Engine Instruments Monitor

Descent

1. Power As Req'd
2. Mixture Enrich As Req'd
3. Cowl Flaps..... Closed
4. ATIS/AWOS..... Copy
5. Altimeters (PFD, STBY). Set
6. G1000 ALT SEL Set
7. KAP 140 Altitude Set
8. CDI Softkey Nav Source
9. Approach Review/Brief
10. FMS/GPS Review/Brief
11. Fuel Selector Valve BOTH

12. Wing Flaps..... As Desired
13. Oxygen Lever As Req'd
14. Landing/Pulse Lights As Req'd

Before Landing

1. Seat Backs Upright
2. Seat Belts Secure
3. Fuel Selector Valve BOTH
4. Mixture As Req'd
5. Propeller Control..... High RPM
6. Landing/Pulse Lights ON
7. Cabin 12 volt switch..... OFF
8. Autopilot..... As Desired
9. Landing Procedure Review

Normal Landing

1. Airspeed... 70-80 KIAS (Flaps Up)
2. Wing Flaps..... As Desired
3. Airspeed... 60-70 KIAS (Flaps Full)
4. Trims..... Adjust
5. Touchdown Main Wheels First
6. Landing Roll... Lower Nose Gently
7. Braking..... Minimum Required

Short Field Landing

1. Airspeed... 70-80 KIAS (Flaps Up)
2. Wing Flaps... FULL (Below 100kts)
3. Airspeed..... 60 KIAS
4. Trim..... Adjust
5. Power Reduce as obstacle cleared
6. Touchdown Main Wheels First
7. Brakes..... Apply Heavily
8. Wing Flaps..... Up

Balked Landing (Go Around)

1. Throttle Control... 32" & 2400 RPM
2. Wing Flaps..... Retract to 20°
3. Climb Speed 55 KIAS
4. Wing Flaps UP @ safe Alt >70 KIAS
5. Cowl Flaps OPEN

After Landing (Clear of Runway)

1. Wing Flaps..... UP
2. Cowl Flaps OPEN
3. Lights As Req'd
4. Pitot Heat..... OFF

Securing Aircraft

1. Parking Brake Set
2. Throttle Control Idle
3. Mission Master..... OFF
4. Electrical Equipment..... OFF
5. Avionics (BUS 1 & 2) OFF
6. Mixture Control IDLE CUTOFF
7. MAGNETOS Switch..... OFF
8. MASTER Switch (ALT & BAT) OFF
9. ENG Time Record
10. STBY BATT Switch..... OFF
11. Instrument Panel Dimmers OFF
12. Control Lock Install
13. Fuel Selector Valve... Left or Right
14. Oxygen Control Lever..... OFF
15. Cowl Flaps CLOSED
16. Chocks/Brake As Req'd
17. Pitot Tube Cover..... Install

FLIGHT PLAN CLOSED

This checklist is a guide to coordinate Pilot Operating Handbook and STC data applicable to this particular aircraft only. The applicable Pilot Operating Handbook and STC installations remain the official documentation for this aircraft. The pilot in command is responsible for complying with all items in the Pilot Operating Handbook and applicable STCs. I certify this checklist has been reviewed for accuracy.

William M. White 22 FEB 2011
Wing Director of Operations Date