

Preflight Inspection

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Checklist Usage

Tasks are executed in one of two ways:

- as a sequence that uses the layout of the cockpit controls and indicators as cues (i.e., “flow pattern”)
- as a sequence of tasks organized by event rather than panel location (e.g., After Takeoff, Gear – RETRACT, Yaw Damper – ENGAGE).

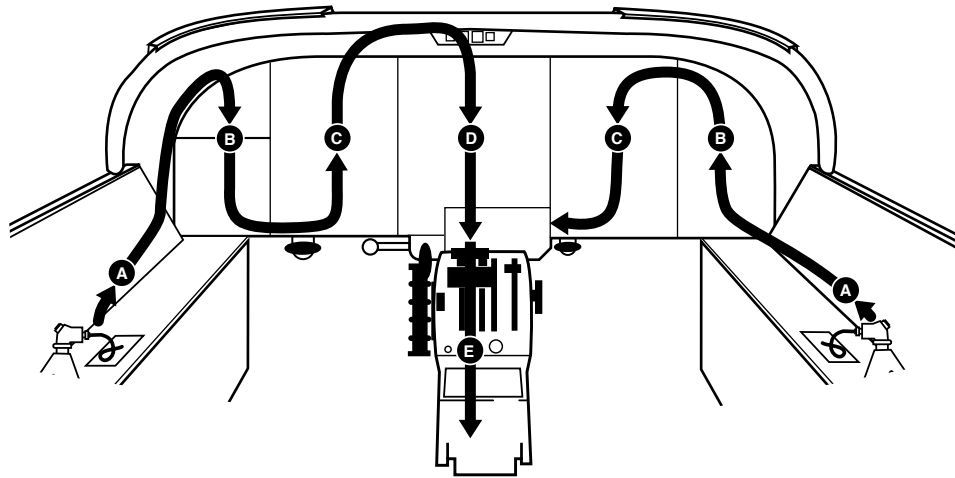
Placing items in a flow pattern or series provides organization and serves as a memory aid.

A challenge-response review of the checklist follows execution of the tasks; the PNF calls the item, and the appropriate pilot responds by verifying its condition (e.g., “Engine Anti-Ice” [challenge] – “ON” [response]).

Two elements are inherent in the execution of normal procedures:

- use of either the cockpit layout or event cues to prompt the correct switch and/or control positions
- use of normal checklists as “done” lists.

Cockpit Flow Pattern (Power Off)



**Cockpit Flow Pattern (Power Off)
Left Seat Cockpit Setup**

A

- Oxygen Mask/Switches and Pressure CHECK
- Oxygen Quantity (Copilot Instrument Side Panel) . . CHECK
- Oxygen Line GREEN BAND
- Regulator 100%
- Mask DON

Breathe several times to ensure free flow.

Check mask microphone is operative.

- Emergency Pressure Position CHECK
- Passenger Oxygen Valve/Switch(es) NORM
- Microphone Switch MIC HEADSET
- Circuit Breakers CHECKED

B

- Digital Clock SET
- Audio Control Panel SET
- Rotary Test Switch OFF
- BATT Switch OFF
- Generator Switches GEN
- For GPU start OFF
- AC Inverter and Master Avionics OFF
- Boost Pumps NORM
- Ignition NORM
- Anti-Ice/Deice Switches OFF

Preflight Inspection

Crossfeed OFF
Vertical Gyro NORM
LH Gyro Slave AUTO
Exterior Light Switches OFF

C

Panel Light Control AS REQUIRED
Control Lock OFF
Standby Gyro TEST/CAGED/OFF
Passenger Advisory Lights PASS SAFETY
Beacon and Landing Lights OFF
Flight Instruments CHECKED/BUGS SET

D

Thrust Reverser Emergency Stow NORMAL
Engine Instruments OFF FLAGS IN VIEW
Landing Gear Handle DOWN
Pressurization/Environmental SET

E

Throttles OFF
Flaps SELECTED
 Selector matches indicator.
Engine Sync OFF
Trim 3 SET

Right Seat Cockpit Setup

A

- Oxygen Mask/Switches and Pressure CHECK
- Oxygen Quantity CHECK
- Oxygen Line GREEN BAND
- Regulator 100%
- Mask DON

Breathe several times to ensure free flow.

Check mask microphone is operative.

- Emergency Pressure Position CHECK
- Microphone Switch MIC HEADSET
- Circuit Breakers CHECKED

B

- Audio Panel SET
- Digital Clock FLIGHT TIME RESET 0

C

- Flight Instruments CHECKED/BUGS SET
- RH Gyro Slave Switch AUTO
- Overhead and Defog Fan OFF
- Windshield Heat Manual Control Knobs OFF
- Freon Air Conditioner (if installed) OFF

Cockpit Power On Inspection

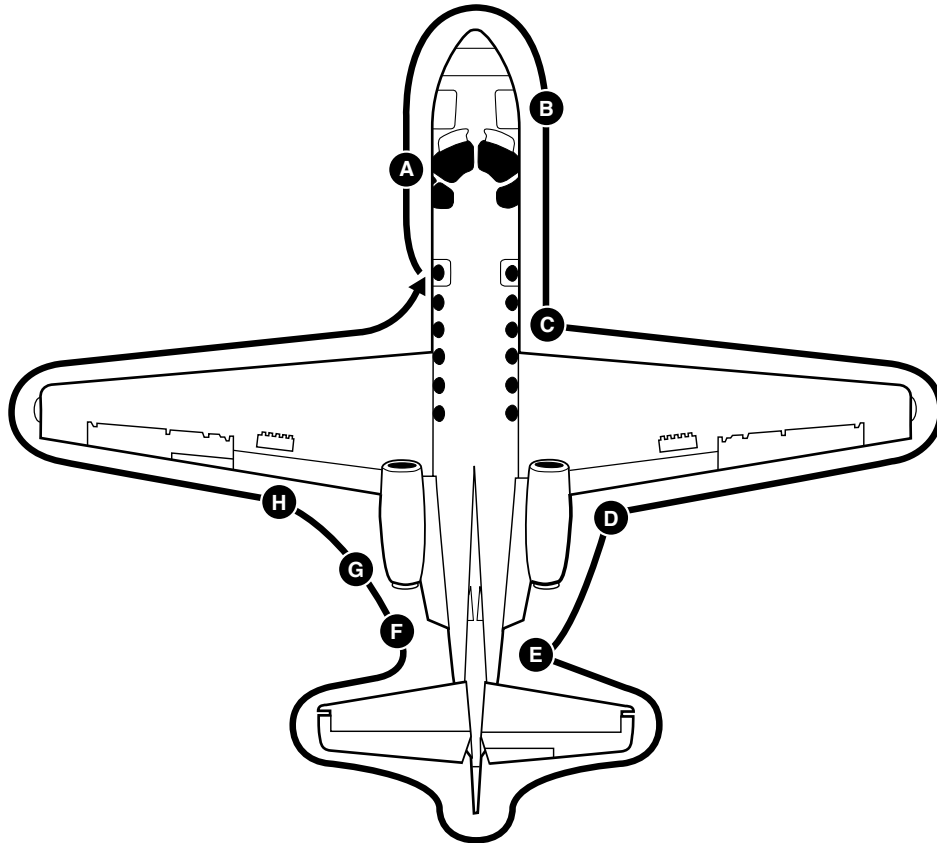
- Battery Switch BATT (24V DC min)
- Anti-Ice Fluid Quantity (**SII**) CHECKED
- Rotating Beacon ON
- Pitot Heat (30 seconds) ON
- Engine Instruments CHECKED

C0; CI 001 to 423: Check that no yellow warning balls are visible at the bottom of each engine instrument.

CI 424 and subsequent; CII; SII: Check that no off flags are visible at the top of each engine instrument.

- Fuel Quantity CHECKED/BALANCED
- Annunciator Panel PROPER INDICATIONS
- Gear Indicator Lights 3 GREEN/NO RED
- Parking Brake SET
- Pitot Heat OFF
- Battery Switch OFF
- All Other Switches OFF (or NORM)

Exterior Inspection Walkaround Path



Exterior Inspection (General)

Make a general check for security condition, and cleanliness of the aircraft and components. Check particularly for damage, fluid leakage, security of access panels, and removal of keys from locks. Remove all covers from the pitot tubes, static ports, probes and engine inlets and exhausts.

A Left Nose

Refreshment Ctr Drain Htr	CLEAR/WARM
Center of fuselage, aft of wing leading edge.	
Static Ports	CLEAR/WARM
Baggage Door	CLOSED/KEY-LOCKED
Baggage Compartment	350 LBS (max)
Nose Gear/Wheel	CHECKED
Nose Gear Tire	CONDITION
Inflation	120 ±5 PSI (125 ±5 PSI SII)
Nose Gear Strut and Doors	CHECKED
Strut Extension	CHECKED
C0; C1	5 INCHES
CII; SII	2.5 INCHES
Pitot Tubes (both)	CLEAR/WARM

CAUTION: Touch pitot tubes lightly; to grasp firmly can cause severe burns.

B Right Nose

Ice Detect Probe (SII)	CHECKED
Baggage Door	OPEN
Anti-Ice Fluid Tank (SII)	QUANTITY CHECKED
W/S Alcohol Sight Gage	BALL AT TOP (fluid visible)
Emerg Gear/Brake Press Gage	DK GREEN ARC (1,800 to 2,050 PSI)
Pwr Brake Accum Prechg	LT GREEN MARK (675 ±25 PSI)
Brake Fluid Reservoir Sight Gages:	
Accum Press/Prechg	PURPLE TINT/BALL AT TOP OF UPPER SIGHT GLASS
Accum Press Normal Press	PURPLE TINT/BALL AT TOP OF LOWER SIGHT GLASS
Baggage Door	CLOSED/KEY-LOCKED
Oxygen Blowout Disc (if installed)	CHECKED
Ovbd Vent Lines	CLEAR
TAS Probe (if installed)	SECURE
Static Ports	CLEAR/WARM
AOA Sensor	CLEAR/WARM/ROTATES

C Right Wing

- Emerg Exit Door/Handle FLUSH W. FUSELAGE
- Dorsal Fin Air Inlet CLEAR
- Pylon Tailcone Air Inlet CLEAR
- Engine Fan Duct CLEAR
 - Fan/Forward T1 Sensor CONDITION
- Generator Cooling Air Inlet CLEAR
- Wing Insp Light (**if installed**) CHECKED
- Heated Leading Edge CHECKED
- Fuel Quick Drains (5) (**SII-6**) DRAINED/SAMPLE CHECKED
- Fuel Filter Drain DRAINED/SAMPLE CHECKED

CAUTION: Push straight up on fuel drains; the drain locks open if the sampler is turned.

- Main Gear Visual Downlock Indicator GREEN
- Main Gear Door SECURE
- Main Gear Strut SECURE/NO LEAKS
 - Strut Extension (fully fueled aircraft):
 - C0, C1** 1 TO 2 INCHES
 - CII; SII** 2.5 INCHES
- Main Gear Tire CONDITION
 - Hubcap SECURE
- Main Gear Tire Inflation:
 - C0, C1 001 to 051 without SB 32-1** 79+3/-1 PSIG
 - C0, C1 052 to 070 without SB 32-1** 90+3/-1 PSIG

Main Gear Tire Inflation (cont.):

C0, CI 071 and sub; prior to SB 32-1	100±5 PSIG
CII 002 to 626	108±5 PSIG
CII (single pilot)	100±5 PSIG
CII 627 and sub	115±5 PSIG
SII 001 to 085 without SBS550-11-1	120±5 PSIG
SII 086 and sub; prior to SBS550-11-1	125±5 PSIG
Brake Wear Indicator	CHECKED
Landing Light	CONDITION
Gear Uplock Release Cable	CHECK TENSION
Deice Boot (except SII)	CHECKED
Leading Edge Anti-Ice (SII)	CHECKED
Stall Strips (2)	SECURE
Fuel Filler Cap	LATCH CLOSED/DIRECTED AFT
Fuel Tank Vent	CLEAR
Nav/Strobe/Recog Lights	CONDITION
Static Wicks:	
4 wicks	CHECK
5 wicks (SII)	CHECK
If an aileron wick is missing, replace it before flight.	

NOTE: All Citations except SII have four static wicks on each wing; two on the aileron, one on the wing trailing edge, and one on the wing tip. The **SII** has five static wicks; two on the aileron, two on the wing trailing edge, and one on the wing tip.

Flap/Speedbrake SECURE

Ensure flap matches cockpit indicator.

Aileron CONDITION

Trim Tab (**SII**) CONDITION

Ensure trim tab matches cockpit indicator (may be deactivated).

D Right Nacelle

Oil Level CHECKED WITHIN 10 MIN
OF SHUTDOWN

Oil Filler Cap SECURE

Oil Filler Access Door FASTENED

Precooler Ovbd Exhaust
(if installed) (**002 to 484**) CLEAR

Generator Cooling Air Exhaust (**CII; SII**) CLEAR

Engine Fluid Drain Mast CLEAR

Engine Exhaust/Bypass Duct CLEAR

Turbine Blades CONDITION

Aft T2 Sensor CONDITION

Thrust Reverser CONDITION

E Empennage

- Deice Boot Ovbd Vent CLEAR
- ACM Ovbd Exhaust CHECKED/CLEAR
- Hyd Fluid Drain Mast CLEAR/NO FLUID
- Hyd Panel Access Door SECURE
- Freon A/C Ovbd Vent CLEAR
- Rt Horiz/Vert Stab Deice Boot CONDITION
- Rt Horiz/Vert Stab Anti-Ice (**SII**) CONDITION
- Rt Elevator/Trim Tab MOVEMENT/CONDITION
 - Ensure trim tab matches cockpit indicator.
- Rotating Beacon CONDITION
- Tailskid/Ventral Fin (**C0; CI**) CONDITION
- Nav/Strobe Lights CONDITION
- Rudder/Servo Tab MOVEMENT/CONDITION
 - Ensure trim tab matches cockpit indicator.
- Static Wicks (8) CONDITION
 - Replace missing wick(s) before flight.
- Lt Horiz/Vert Stab Deice Boot CHECKED
- Lt Horiz Stab Anti-Ice (**SII**) CHECKED
- Lt Elevator/Trim Tab (**SII**) MOVEMENT/CONDITION
 - Ensure trim tab matches cockpit indicator.
- Oxygen Blowout Disc (**if installed**) IN PLACE

NOTE: The **SII** has two trim tabs, one on each elevator. For all Citation I/II/SII, ensure the trim tab(s) match the position indicator in the cockpit.

F Tailcone

Hyd Fluid Quantity ABOVE REFILL
Fire Bottle Pressure Gages CHECKED
Tailcone CBs CHECKED
ACM Oil ABOVE FILL LINE

Unit 0485 and subsequent; SII

Aft Compartment Access SECURED
Aft Baggage Compartment Light OFF
Tailcone Access Door CLOSED/KEY-LOCKED
Ext Pwr Svc Door SECURED

Disconnect GPU when aircraft not attended.

Battery Cooling Intake and Vent Lines CLEAR
W/S Ht Exch Ovbd Exhaust CLEAR

G Left Nacelle

Thrust Reverser	CONDITION
Aft T2 Sensor	CONDITION
Engine Exhaust/Bypass Duct	CLEAR
Turbine Blades	CONDITION
Engine Fluid Drain Mast	CLEAR
Generator Cooling Air Exhaust (CII ; SII)	CLEAR
Precooler Ovbd Exhaust (if installed)	CLEAR

Units 0002 to 0484.

Oil Level	CHECKED WITHIN 10 MINUTES OF SHUTDOWN
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See Engine Oil in the Limitations section of this manual.

Oil Filler Cap	SECURE
Oil Filler Access Door	FASTENED

NOTE: **C0** and **CI** have a total of nine static wicks on the empennage; two on each elevator and rudder, one on the top of the vertical stabilizer and two on the ventral fin trailing edge. **CII** and **SII** have a total of eight static wicks on the empennage; two on each elevator and rudder, one on the top of the stabilizer and one on the aft tail cone.

H Left Wing

Aileron/Flap/Speedbrake SECURE

Ensure flap matches cockpit indicator.

Trim Tab SECURE/PROPER SETTING

Ensure trim tab matches cockpit indicator.

Static Wicks:

4 wicks CHECK

5 wicks (**SII**) CHECK

If an aileron wick is missing, replace before flight.

NOTE: All Citations except SII have four static wicks on each wing; two on the aileron, one on the wing trailing edge, and one on the wing tip. The **SII** has five static wicks; two on the aileron, two on the wing trailing edge, and one on the wing tip.

Nav/Strobe/Recog Lights CONDITION

Fuel Tank Vent CLEAR

Fuel Filler Cap LATCH CLOSED/DIRECTED AFT

Leading Edge Anti-Ice (**SII**) CHECKED

Deice Boot CONDITION

Stall Strips (2) SECURE

Main Gear Visual Downlock Indicator GREEN

Main Gear Door SECURE

Main Gear Strut SECURE/NO LEAKS

Strut Extension (fully fueled aircraft):

C0; C1 1 TO 2 INCHES

CII; SII 2.5 INCHES

Main Gear Tire CONDITION
Hubcap SECURE
Main Gear Tire Inflation:
 C0, CI 001 to 051 without SB 32-1 79+3/-1 PSIG
 C0, CI 052 to 070 without SB 32-1 90+3/-1 PSIG
 C0, CI 071 and sub; prior to SB 32-1 . . . 100±5 PSIG
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 SII 086 and sub; prior to SBS550-11-1 . . 125±5 PSIG
Brake Wear Indicator CHECKED
Landing Light CONDITION
Gear Uplock Release Cable CHECK TENSION
Fuel Quick Drains (5) (**SII-6**) DRAINED/SAMPLE CHECKED
Fuel Filter Drain DRAINED/SAMPLE CHECKED

CAUTION: Push straight up on fuel drains; the drain locks open if the sampler is turned.

Engine Fan Duct CLEAR
 Fan/Forward T1 Sensor CONDITION
Generator Cooling Air Inlet CLEAR
Dorsal Fin Air Inlet CLEAR
Heated Leading Edge CHECKED
Wing Insp Light CHECKED
Cabin Door Seal CONDITION

Cabin Inspection

- Emergency Exit Handle STOWED
- Guard IN PLACE
- Locking Pin REMOVED
- Pax Seats UPRIGHT/OUTBOARD
- Cabin Door/Emerg Exit/Ctr Aisle CLEAR
- Door Entry Lights OFF
- Luminescent Exit Placards SECURE
- Portable Fire Extinguisher SERVICED/SECURE
- Documents DISPLAYED
- Airworthiness, registration, radio station license.

Cockpit Inspection

FAA Approved AFM/MEL ON BOARD/AVAIL
Pilot's Checklist ON BOARD/AVAIL
Avionics/EFIS/FMS Pilot's Guides ON BOARD/AVAIL
Microphone/Headsets PLUGGED IN
Oxygen Quantity CHECKED
Oxygen Masks PLUGGED IN/SET 100%
Oxygen Control Valves NORMAL
Flashlight OPERATIONAL
Portable Fire Extinguisher
(copilot's seat) SERVICED/SECURE
First Aid Kit ON BOARD/EQUIPPED

