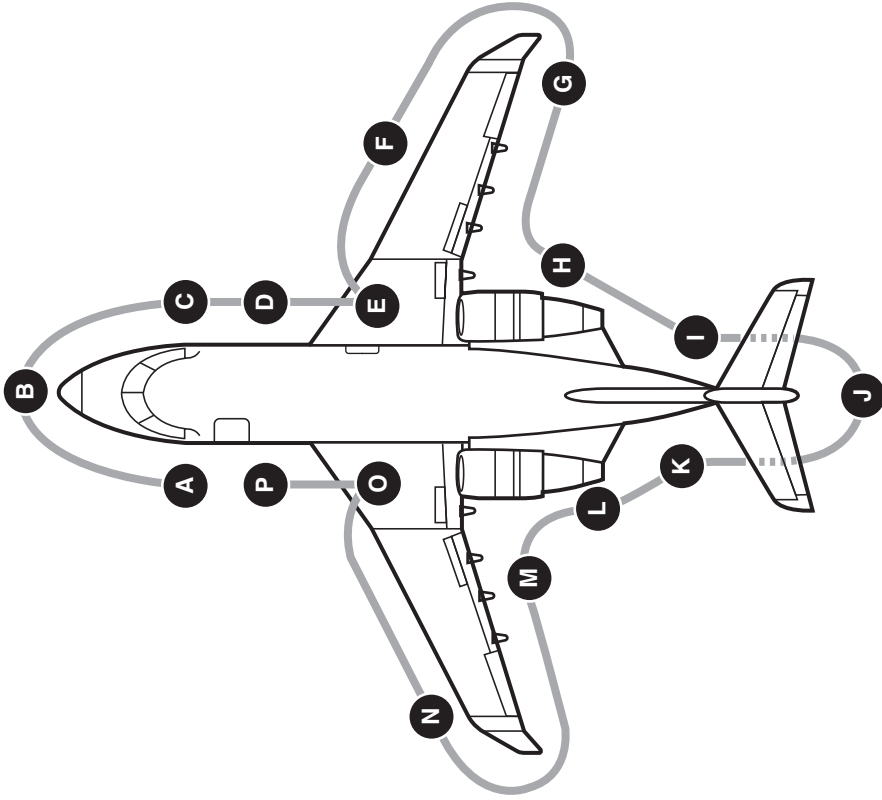

Preflight Inspsction

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Preflight Inspection Walkaround Path



Exterior Walkaround Inspection

Unfold the Preflight Inspection Walkaround Path diagram for ease of reference. Each segment of the preflight inspection is identified by the letters A through P to match the checklist.

Before starting, obtain the following:

- flashlight
- standard screwdriver
- fuel sampler
- ladder
- fuel sample disposal container.

Perform a general check for security, condition, and cleanliness of the aircraft and its components. Check particularly for damage, fluid leakage, security of access panels, and removal of keys from locks.

A Left Forward Fuselage

Emergency Exit Light	CHECK CONDITION
Angle-of-Attack Vane	FREEDOM OF MOVEMENT
Alternate Static Port	CLEAR
Left Cockpit Windows	CLEAN
Pitot/Static Probe	REMOVE COVER/CLEAR/SECURE
Ice Detector	CLEAR/SECURE
Avionics Bay Doors	SECURE
No. 2 Transponder Antenna	SECURE

B Nose

Nose Wheels/Tires/Strut CONDITION/PRESSURE
Tire Pressure 151 PSI +5/-0%
Nose Landing Gear WOW Switches CHECK
Nose Gear Doors and Wheel Well CHECK

CAUTION: Before entering nosewheel well, depressurize the No. 3 hydraulic system or disconnect nose door cannon plug. Failure to observe these precautions could result in injury if the nose gear doors close.

Brake Accumulators 750 ±50 PSI

NOTE: Accumulator pressure should be checked with the associated hydraulic system depressurized.

Nose Gear Downlock Pin REMOVE
Nose Gear Uplock CHECK
ADG Pin REMOVED (IF NO RESISTANCE)
Nose Door Cannon Plug CONNECTED
Landing Lights CHECK CONDITION
Radome CHECK CONDITION

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C Right Forward Fuselage

Avionics Bay Doors SECURED (LATCHED)
ADG Bay Door CLOSED
Oxygen System Pressure 1,850 PSI
SUFFICIENT FOR FLIGHT
Oxygen Panel Door CLOSED/SECURE
Forward Fuselage Exterior CHECK
Pitot/Static Probe REMOVE COVER/CLEAR/SECURE
Ice Detector CLEAR/SECURE
Right Windshield CLEAN
Total Air Temperature Sensor CLEAR/SECURE
Angle-of-Attack Vane FREEDOM OF MOVEMENT
Alternate Static Ports CLEAR
No. 1 VHF Antenna SECURE
No. 1 Transponder Antenna SECURE

D Right Wing

Right Center Fuselage	CHECK
Emergency Exit	SECURE
Emergency Lights (3)	CHECK CONDITION
Refueling Panel and Door	CLOSED/SECURE
Wing Ice Inspection Light	CHECK CONDITION
Single Point Refueling Door	CLOSED/SECURE
Auxiliary Fuel Filler Cap	SECURE
Recognition/Taxi Lights	CHECK CONDITION

E Right Main Landing Gear

Main Landing Gear WOW Switches	CHECK
Main Landing Gear Wheel Well	CHECK CONDITION
No. 3 Hydraulic System Accumulator	1,500 ±50 PSI

NOTE: Accumulator pressure should be checked with the associated hydraulic system depressurized.

Overheat Detection Loop	CONDITION/SECURE
Main Landing Gear Uplock	CHECK
Hydraulic Actuator Downlock Indicator Pin	FLUSH
Hydraulic Actuator	CHECK CONDITION
Main Gear Downlock Pin	REMOVED/COVERED
Main Landing Gear Door	CONDITION/SECURE
Main Landing Gear Wheel Cover	SECURE

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F Right Wing Leading Edge

Engine Air Intake/Fan CONDITION/CLEAR
Fuel Filler Caps SECURE
Fuel Vent Valve Outlet CLEAR
Wing CHECK CONDITION
Fuel Tank Sumps and Water Drains . CHECK NO LEAKAGE
Fuel Tank and Main Tank Drain NO LEAKAGE
Leading Edge Anti-Ice Exhaust CLEAR
Navigation/Anti-Collision Light CHECK

NOTE: For anticipated night flight, check light operation.

Winglet CONDITION/SECURE

G Right Wing Trailing Edge

Static Wicks CONDITION/PRESENCE

NOTE: There are three static wicks on the aileron and three on the wing tip/winglet. One aileron or wing tip static wick may be missing or damaged. The uppermost winglet tip static base/wick must be present and undamaged.

Aileron SECURE/CONDITION

NOTE: Check aileron PCU for hydraulic leak.

Flight Spoiler CHECK CONDITION

NACA Scoop Inlet CLEAR

Flaps SECURE/NO DAMAGE

Ground Spoiler CHECK CONDITION

Main Landing Gear Tires and Wheels CONDITION/
PRESSURE

NOTE: Main wheel tire pressure varies with operating conditions, tires installed, and aircraft MTOW. See Servicing and aircraft manuals for recommended tire pressures.

Brake Indicators/Brakes CHECK/CONDITION

Access Doors and Panels CLOSED AND LATCHED

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H Right Nacelle

Engine Anti-Ice Overpressure Relief Valve CHECK
Cowl Doors and Panels SECURE/CLOSED
Engine CONDITION/LEAKS
Engine Exhaust CONDITION/CLEAR
Engine Pylon CONDITION/LEAKS

I Right Aft Fuselage

Rear Fuselage Exterior	CHECK
ACU Exhaust	CLEAR
APU Exhaust	CONDITION/CLEAR
28V DC External Power Service Door	SECURE
Tail Tank Drain Mast	CLEAR/SECURE
Anti-Collision/Navigation Light	CONDITION/SECURE

NOTE: For anticipated night flight, check light operation.

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J Empennage

Rudder	CONDITION/NEUTRAL
Right VOR/ILS Antenna	CHECK CONDITION
Horizontal Stabilizer	CHECK CONDITION
Horizontal Stabilizer Trim Setting	ON INDEX MARK
Static Wicks	NUMBER/CONDITION/SECURE
Right Elevator	CONDITION/LEAKAGE
Left Elevator	CONDITION/LEAKAGE
Static Wicks	NUMBER/CONDITION/SECURE

NOTE: There are four static wicks on each side of the horizontal stabilizer: one on the tailcone/tail tank, two on the rudder, and one on the vertical stabilizer bullet. One horizontal stabilizer wick may be missing or damaged.

Left VOR/ILS Antenna	CHECK CONDITION
Vertical Stabilizer	CHECK CONDITION
Ram Air Inlet	CHECK CONDITION

K Left Aft Fuselage

APU Air Inlet	PLUG REMOVED/INLET CLEAR
ACU Exhaust	CLEAR
APU Fault Panel	NO FLAGS/CLEAR
Ground Air Supply Inlet	CONDITION/CLOSED
Aft Equipment Bay	CONDITION/SECURE
Battery and Sensor Cables	CONNECTED
Battery Direct Bus (CBP-E) Circuit Breakers	CHECK
Engine Fire Extinguisher Bottles (2)	600 TO 625 PSI
Pressurization Outflow Valves	CHECK
APU Enclosure Door	CHECK/SECURE
Pneumatic Ducting	CHECK
ACUs	CHECK
Pneumatic Ducting	CHECK
APU Fire Extinguisher Bottle	600 TO 625 PSI
No. 1 and 2 Hydraulic Systems	CHECK
Accumulators	1,500 ±50 PSI

NOTE: Accumulator pressure should be checked with the associated hydraulic system depressurized.

Bypass Indicators	FLUSH
Reservoir	CHECKED/FULL
Oil Replenishment System	CHECK
Rear Equipment Bay Access Door	CLOSED/SECURE
Marker Beacon Antenna	CONDITION/SECURE
Radio Altimeter Antenna	CONDITION/SECURE
No. 2 DME Antenna	CONDITION/SECURE
Baggage Door	CLOSED/SECURE

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L Left Nacelle

Left Pylon CONDITION/NO LEAKAGE
Engine Exhaust CONDITION/CLEAR
Left Engine CONDITION/NO LEAKAGE
Cowl Doors and Access Panels CLOSED/SECURE
Engine Anti-Ice Overpressure Relief Valve SECURE

M Left Wing Trailing Edge

Main Landing Gear Tires and Wheels CONDITION/
PRESSURE

NOTE: Main wheel tire pressure varies with operating conditions, tires installed, and aircraft MTOW. See Servicing and aircraft manuals for recommended tire pressures.

Brake Indicators/Brakes CHECK/CONDITION
Ground Spoiler CHECK CONDITION
Flaps SECURE/NO DAMAGE
NACA Scoop Inlet CLEAR
Flight Spoiler CHECK CONDITION
Aileron SECURE/CONDITION
Static Wicks CONDITION/PRESENCE

NOTE: There are three static wicks on the aileron and three or four on the wingtip/winglet. One aileron or wing tip static wick may be missing or damaged. The uppermost winglet tip static base/wick must be present and undamaged.

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N Left Wing Leading Edge

Winglet CONDITION/SECURE
Navigation/Anti-Collision Light CHECK

NOTE: For anticipated night flight, check light operation.

Fuel Vent Valve Outlet CLEAR
Leading Edge Anti-Ice Exhaust CLEAR
Wing CHECK CONDITION
Fuel Tank, Sumps and Drains NO LEAKAGE
Fuel Filler Caps SECURE
Engine Air Intake/Fan CONDITION/CLEAR

O Left Main Landing Gear

Main Landing Gear Wheel Well	CHECK CONDITION
Main Gear Uplock	CHECK
Overheat Detection Loop	CONDITION/SECURE
Hydraulic Actuator Downlock Indicator Pin	FLUSH
Hydraulic Actuator	CHECK CONDITION
Main Gear Downlock Pin	REMOVED/COVERED
Main Landing Gear WOW Switches	CHECK
Main Landing Gear Door	CONDITION/SECURE
Main Landing Gear Wheel Cover	SECURE

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P Left Fuselage

Wing Ice Inspection Light CHECK CONDITION

Recognition/Taxi Lights CHECK CONDITION

NOTE: For anticipated night flight, check light operation.

Left Center Fuselage CHECK

Auxiliary Fuel Tank NO LEAKAGE

No. 1 DME Antenna CONDITION/SECURE

No. 2 VHF Antenna CONDITION/SECURE

ADF Loop Antenna CONDITION/SECURE

Interior

Loose Equipment SECURE/STOWED
Overwing Emergency Exit CLOSED/SECURE
Portable Fire Extinguishers CHARGED/SECURE
Gear Pins/Covers/Chocks STOWED
Required Safety Equipment CHECKED/SECURE

NOTE: Ensure that all required safety items required for the flight are serviceable and on board. Life vests and rafts are examples of equipment to be checked.

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