

WALKAROUND CHECK

The WALKAROUND CHECK is required before every departure and is normally carried out by the First Officer.

Ensure the NAV lights are selected ON. At night select the WING inspection lights ON.

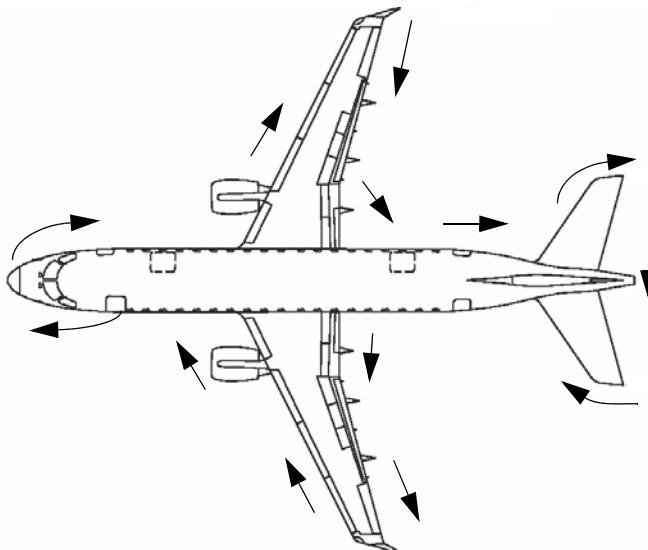
Follow the tour of inspection as indicated in the figure and visually check the exterior of the aircraft for condition, ice formation on visible surfaces, security (particularly access panels) and any sign of damage.

The presence of any liquids on or about the aircraft should receive extra attention as they may indicate hydraulic, engine, fuel or water system failure or malfunction. Pay particular attention to the listed items.

WARNING

Moving vehicles pose a safety hazard to flight crew conducting external aircraft inspections. When conducting walkarounds, pilots must be alert for moving vehicles and ensure they remain visible to the operators at all times. Reflective vests are mandatory. Reflective vests are stowed on a hangar in the J-Class closet.

- External Lights F/O ON
- Emergency/Parking Brake Capt or F/O ON



- LH Fwd Pax Door CHECK
- External Power Receptacle SECURED
- LH Smart Probes/TAT Sensor/Ice Detector CHECK
Verify condition with no obstructions of covers.
- Windshield Wipers CHECK
- Radome CHECK
- Forward Avionics Compartment SECURED
- Lower Fwd Antenna CONDITION
- Nose Gear CHECK
- Wheels and Tires CONDITION
May be equipped with Dunlop or Michelin tires. Intermix of tires of different brands on same axle is not permitted. Different brands between axles is permissible.
- Nose Gear Up Lock Hook UNLOCKED
- Nose Gear Strut/Wheel Well/Doors CONDITION, NO LEAKS
- Ground Locking Pin REMOVED
- Landing and Taxi Lights CONDITION
- RH Smart Probes/TAT Sensor/Ice Detector CHECK
Verify condition with no obstructions or covers.
- RAT Safety Lock Pin REMOVED
- RH Fwd Service Door CHECK
- Oxygen Discharge indicator GREEN DISC
- Lower Fwd Antennas/Fwd Drain Mast CONDITION
- Fwd Cargo Door CHECK
- Wing Inspection Light CONDITION
- Landing and Taxi Lights CONDITION
- RH Ram Air Inlet NO OBSTRUCTION
- Air Inlets and Outlets NO OBSTRUCTION
- Lower Red Beacon Light CONDITION
- Right Collector Tank Water Drain Valve Door SECURED
- Wing Leading Edges CONDITON
- Pylon CONDITON
- Turbine Exhaust CLEAR, NO LEAKS
After engine shutdown the scavenge system is no longer effective. A small amount of oil may leak through the aft sump drain and pool in the engine chevron nozzle.
If the puddle size exceeds approximately 4 in (10 cm), contact Maintenance.
- Right engine, LH side:
 - Core Pressure Relief Door CLOSED
 - LH Thrust Reverser CONDITION AND LATCHED

- LH Nacelle Strake **CONDITION**
- LH Fan Cowl Doors **CONDITION AND LATCHED**
- Anti-ice Pressure Relief Door **CLOSED AND LATCHED**

- **Engine Inlet** **CONDITON**

Check for foreign objects and leaks inside air inlet. Ensure that there is no damage to the T12 sensor and that the FADEC cooling inlet is clear.

- **Fan Blades** **CHECK**

Check for damaged fan blades and ensure fan is free to rotate.

Check for damage on spinner.

Right engine, RH side:

- RH Nacelle Strake **CONDITION**
- Oil Fill Access Door **CLOSED**
- FADEC Cooling Vent **CLEAR**
- RH Fan Cowl Doors **CONDITION AND LATCHED**
- RH Thrust Reverser **CONDITION AND LATCHED**
- Core Pressure Relief Door **CLOSED**

- Refueling Compartment Door **SECURED**

- Access Doors and Panels **SECURED**

- RH 2 and 3 Magnetic Level indicators **PUSHED IN, NO LEAKS**

- RH 1 Magnetic Level indicator **PUSHED IN, NO LEAKS**

- Pressure Relief Valve **CHECK**

- Wing Vents **NO OBSTRUCTION**

- Navigation and Strobe Lights **CONDITON**

- Static Dischargers **NUMBER AND CONDITION**

Verify 3 static discharges on the aileron and 6 static discharges on the winglet. Refer to the MEL for dispatch with missing items.

- Flight Control Surfaces and Fairings **CONDITION**

- Right Main Gear **CHECK**

Verify shimmy damper indication is above minimum level.

- Wheel and Tires **CONDITION**

May be equipped with Dunlop or Michelin tires. Intermix of tires of different brands on same axle is not permitted. Different brands between axles is permissible.

- Right Main Gear Up Lock Hook **UNLOCKED**

- Right Gear Strut/Wheel Wells **CONDITION, NO LEAKS**

- Right Ground Locking Pin **REMOVED**

- Brake Wear indicators **CHECK**

Brake wear indicators flush or less than flush with the bracket outer face indicate necessity of brakes replacement. Check both main landing gear brakes.



– Access Doors and Panels	SECURED
– Drain Mast	CONDITION
– Aft Cargo Door	CHECK
– RH Aft Service Door	CHECK
– RH Lower Aft Antennas/Aft Drain Mast	CONDITION
– Battery Air Outlet	NO OBSTRUCTION
– Drain Mast	CONDITION
– Flight Control Surfaces	CONDITION
– Empennages Leading Edges	CONDITION
– Static Dischargers	NUMBER AND CONDITION
Verify 4 Static Dischargers on the rudder, 3 on each elevator, 3 on each horizontal stabilizer and 1 on vertical stabilizer. Refer to the MEL for dispatch with missing items.	
– APU	CONDITION
– APU External Power Receptacle	CHECK
– Overboard Vent	NO OBSTRUCTION
– Pressurization Static Port	NO OBSTRUCTION
– Potable Water Service Panel	SECURED
– LH Aft Pax Door	CHECK
– Lower Aft Antennas	CONDITION
– Access Doors and Panels	SECURED
– Left Main Gear	CHECK
Verify shimmy damper indication is above minimum level.	
– Wheels and Tires	CONDITION
May be equipped with Dunlop or Michelin tires. Intermix of tires of different brands on same axle is not permitted. Different brands between axles is permissible.	
– Left Main Gear Up Lock Hook	UNLOCKED
– Left Gear Strut/Wheel Wells	CONDITION, NO LEAKS
– Left Ground Locking Pin	REMOVED
– Brake Wear Indicators	CHECK
Brake wear indicators flush or less than flush with the bracket outer face indicate necessity of brakes replacement. Check both main landing gear brakes.	
– Flight Control Surfaces and Fairings	CONDITION
– Static Dischargers	NUMBER AND CONDITION
Verify 3 static dischargers on the aileron and 6 static dischargers on the winglet. Refer to the MEL for dispatch with missing items.	
– Navigation, Strobe and Upper beacon Lights	CONDITION
– Upper Antennas	CONDITION
– Wing Vents	NO OBSTRUCTION

- Pressure Relief Valve **CHECK**
- LH 1 Magnetic Level indicators **PUSHED IN, NO LEAKS**
- LH 2 and 3 Magnetic Level indicators **PUSHED IN, NO LEAKS**
- Access Doors and Panels **SECURED**
- Wing Leading Edges **CONDITION**
- Turbine Exhaust..... **CLEAR, NO LEAKS**

After engine shutdown the scavenge system is no longer effective. A small amount of oil may leak through the aft sump drain and pool in the engine chevron nozzle.

If the puddle size exceeds approximately 4 in (10 cm), contact Maintenance.

Left engine, LH side:

- Core Pressure Relief Door **CLOSED**
- LH Thrust Reverser **CONDITION AND LATCHED**
- LH Nacelle Strake **CONDITION**
- LH Fan Cowl Doors **CONDITION AND LATCHED**
- Anti-ice Pressure Relief Door **CLOSED AND LATCHED**
- Engine Inlet **CONDITON**
Check for foreign objects and leaks inside air inlet. Ensure that there is no damage to the T12 sensor and that the FADEC cooling inlet is clear.
- Fan Blades **CHECK**
Check for damaged fan blades and ensure fan is free to rotate.
Check for damage on spinner.

Left engine, RH side:

- RH Nacelle Strake..... **CONDITION**
- Oil Fill Access Door **CLOSED**
- FADEC Cooling Vent **CLEAR**
- RH Fan Cowl Doors **CONDITION AND LATCHED**
- RH Thrust Reverser **CONDITION AND LATCHED**
- Core Pressure Relief Door **CLOSED**
- Pylon **CONDITION**
- Landing and Taxi Lights **CONDITION**
- Wing inspection Light..... **CONDITION**
- LH Ram Air inlet..... **NO OBSTRUCTION**
- Air inlets and Outlets **NO OBSTRUCTION**
- Left Collector Tank Water Drain Valve Door **SECURED**
- Air Conditioning Connection Access Door **CHECK**

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		24 MAR 16

Ident.: 1-04-02-20-K20141029-1025392539.0001001 / 23 DEC 15

Applicable to: ALL

VENTILATION

Pushbutton switches (3) **LIGHTS OUT**

WALKAROUND CHECK

Ident.: 1-04-02-20-K20141009-1051445144.0001001 / 23 DEC 15

Applicable to: ALL

GENERAL

The Captain or First Officer will carry out the WALKAROUND CHECK before every departure unless, prior to ETOPS flight, a maintenance sign-off, 'TRIP CHECK COMPLETED', has been entered in the logbook within 2 hours of flight crew arrival at the aircraft.

Ensure PARK BRK is selected to ON prior to walkaround. If brake temperature >500°C, chocks should be installed and PARK BRK selected to OFF to assist brake cooling.

If brake wear is to be checked, the parking brake must be set.

Ensure the NAV lights are selected ON. Select system 1 for odd numbered flights; system 2 for even numbered flights. For a night walkaround the WING lights are also selected ON.

Follow the tour of inspection indicated in the figure in this section and visually check the exterior of the aircraft for condition, ice formation on visible surfaces, security (particularly access panels) and any sign of damage. Particular attention should be given to the skin surface around the pitot tube and static ports, as labeled on the skin or within a 12 inch radius. Any surface irregularities need to be addressed with Maintenance prior to departure.

The presence of any liquids on or about the aircraft should receive extra attention as they may indicate hydraulic, engine, fuel or water system failure or malfunction. Pay particular attention to the listed items as well as the landing gear shock absorbers for signs of leakage or scoring. Crew shall also verify that extension of both main landing gear shock absorbers is approximately equal.

WARNING	Moving vehicles pose a safety hazard to flight crew conducting external aircraft inspections. When conducting walkarounds pilots must be alert for moving vehicles and ensure they remain visible to the operators at all times. Reflective vests are mandatory.
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CAUTION	If a landing gear door is open contact maintenance before applying hydraulic power.
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ETOPS FLIGHTS

As part of the check, when entering the flight compartment, verify sufficient APU oil quantity by noting that there is no LOW OIL LEVEL advisory on the ECAM APU page with the APU running. If the APU is not running, select the APU MASTER Pushbutton switch to ON for 10 seconds and note that the LOW OIL LEVEL advisory does not appear. If APU oil quantity is low contact Maintenance Control via Dispatch.

NOTE: *If fluid levels are above dispatch limitations but may soon require top up, it is prudent and economical to request additional fluid at stations where Air Canada Maintenance personnel are available.*

Ident.: 1-04-02-20-00010204.0001001 / 23 DEC 15

Applicable to: ALL

ECAM

RCL pb **PRESS 3 s**

This action recalls all the warnings that the flight crew cleared or cancelled during the last flight.

Check MEL if required.

- On the DOOR SD page :

OXY **CHECK PRESSURE**

Continued on the following page

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- If the OXY pressure is half boxed in amber:

MIN FLT CREW OXY CHART **CHECK PRESSURE**

Verify that the pressure is sufficient for the scheduled flight (refer to AOM 1-01-35 Cockpit Fixed Oxygen System).

- On the HYD SD page :

RESERVOIR FLUID LEVEL **CHECK WITH NORMAL RANGE**

- On the ENG SD page :

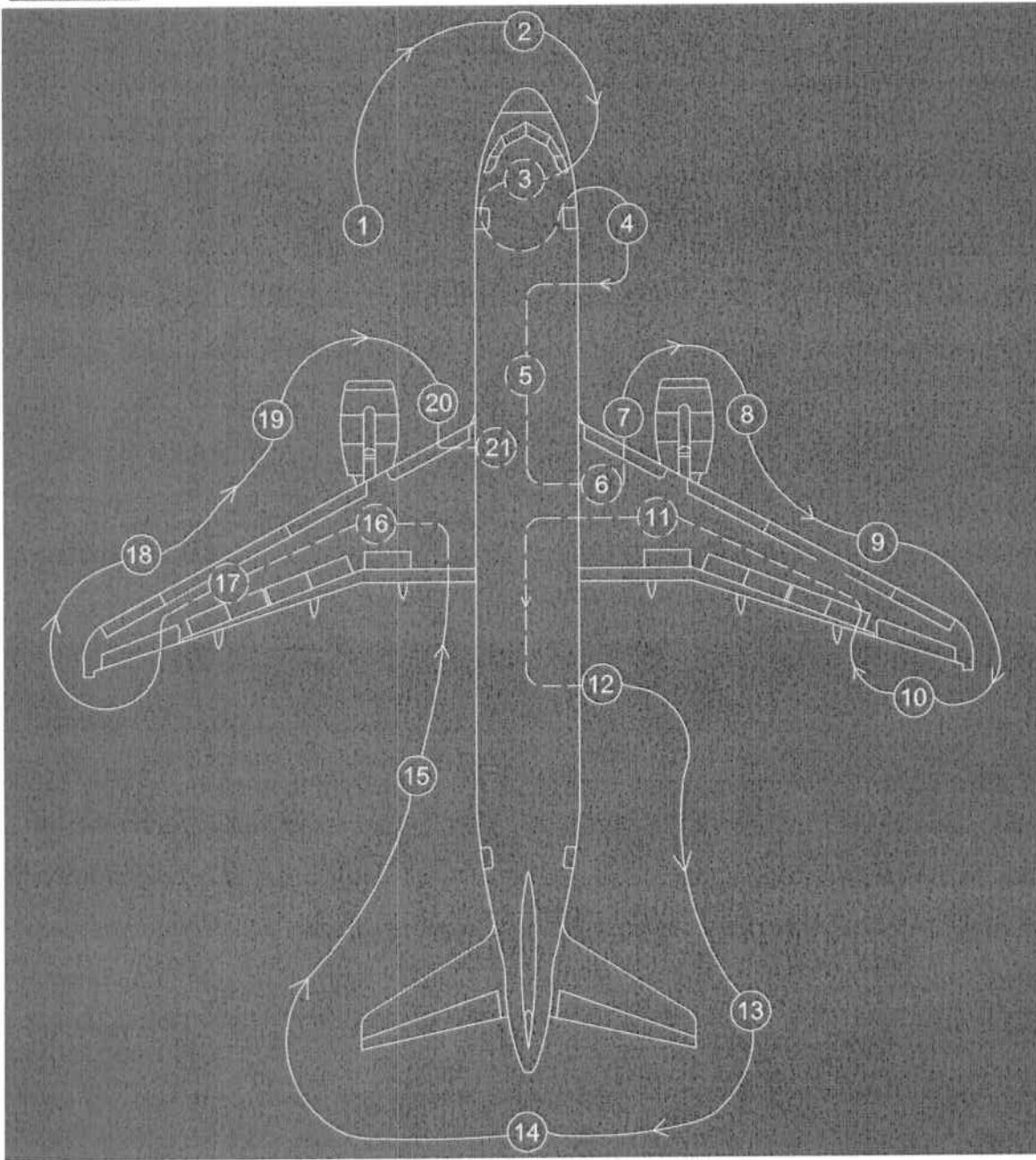
ENG OIL QUANTITY **CHECK NORMAL**

Check that the oil quantity is at or above 9.5 qt + estimated consumption (average estimated consumption ~ 0.5 qt/h).

Ident.: 1-04-02-20-00010361.0001001 / 23 DEC 15

Applicable to: ALL

SCHEMATIC



Ident.: 1-04-02-20-K20141009-11030838.0001001 / 23 DEC 15

Applicable to: ALL

LH FWD FUSELAGE

AOA probes **CONDITION**

F/O and CAPT static ports **CLEAR**

Continued on the following page

Avionics equipment vent air inlet valve CONDITION
Oxygen bay CLOSED
Oxygen overboard discharge indicator GREEN
Toilet servicing door  CLOSED

Ident.: 1-04-02-20-K20141009-110713713.0001001 / 23 DEC 15

Applicable to: ALL

NOSE SECTION

Pitot probes CONDITION
STBY static ports CLEAR
TAT probes CONDITION
Radome and latches CONDITION / LATCHED
Forward avionics compartment door CLOSED
Ground electrical power door (if not required.) CLOSED

Ident.: 1-04-02-20-K20141009-110911911.0001001 / 23 DEC 15

Applicable to: ALL

NOSE L/G

Nose wheel chocks AS RQRD
Wheels and tires CONDITION
Nose gear structure CONDITION
Taxi, TO, turn-off lights CONDITION
Hydraulic lines and electrical wires CONDITION
Wheel well CHECK
Safety pin AS RQRD

Ident.: 1-04-02-20-K20141009-1111511151.0001001 / 23 DEC 15

Applicable to: ALL

RH FWD FUSELAGE

RH + AFT avionic compartment doors CLOSED
Avionic equipment vent air outlet valve CONDITION
F/O and CAPT static ports CLEAR
AOA probe CONDITION

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Forward cargo door and selector panel CHECK

Ident.: 1-04-02-20-K20141009-1114301430.0001001 / 23 DEC 15

Applicable to: ALL

LOWER CENTER FUSELAGE

Potable water drain panel  CLOSED

Antennas CONDITION

Drain mast CONDITION

RAM air inlet flap CONDITION

LP and HP ground connection doors CLOSED

Anticollision light CHECK

CTR TK magnetic fuel level FLUSH

Pack air intakes and outlets CLEAR

Ident.: 1-04-02-20-K20141009-1125502550.0001001 / 23 DEC 15

Applicable to: ALL

RH CENTER WING

Yellow hydraulic bay door CLOSED

Fuel panel CLOSED

Inner tank magnetic fuel level FLUSH

Fuel water drain valve inner tank NO LEAK

Landing light CONDITION

Wing leading edge ventilation intake CLEAR

Slat 1 CONDITION

Ident.: 1-04-02-20-K20141009-1128282828.0001001 / 23 DEC 15

Applicable to: ALL

ENG 2 LH SIDE

Oil fill access door CLOSED

Fan cowl doors CONFIRM CLOSED / LATCHED SECURELY

Drain mast CONDITION / NO LEAK

Engine inlet and fan blades CHECK, ENSURE CLEAR OF ICE AND SNOW AND FAN ROTATES FREELY

Ident.: 1-04-02-20-K20141009-1131553155.0001001 / 23 DEC 15

Applicable to: ALL

ENG 2 RH SIDE

- Vent inlet CLEAR
- Pressure-relief/Start valve handle access door CLOSED
- Turbine exhaust CLEAR
- Pylon/access panel CONDITION / CLOSED

Ident.: 1-04-02-20-K20141009-1135273527.0001001 / 23 DEC 15

Applicable to: 201-213, 215-218, 220-222, 225-226, 228, 232, 235-242, 258, 260-261, 264-271, 274-275, 280, 282, 285-287, 401-405, 408, 411, 415-416

RH WING LEADING EDGE

- Slats 2, 3, 4, 5 CONDITION
- Magnetic fuel level R3, R4, R5 FLUSH
- Fuel water drain valve (outer cell, surge tank) NO LEAK
- Refuel coupling CLOSED
- Surge tank air inlet CLEAR
- Fuel ventilation overpressure disc INTACT
- Navigation light CONDITION
- Wing tip CONDITION

Ident.: 1-04-02-20-K20141009-1135273527.0002001 / 24 MAR 16

Applicable to: 451-464, 473

RH WING LEADING EDGE

- Slats 2, 3, 4, 5 CONDITION
- Magnetic fuel level R3, R4, R5, R6, R7 FLUSH
- Fuel water drain valve (outer cell, surge tank) NO LEAK
- Refuel coupling CLOSED
- Surge tank air inlet CLEAR
- Fuel ventilation overpressure disc INTACT
- Navigation light CONDITION
- Wing tip CONDITION

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	PRE-FLIGHT	

Ident.: 1-04-02-20-K20141010-1134293429.0001001 / 23 DEC 15

Applicable to: ALL

RH WING TRAILING EDGE

- Static dischargers CHECK
- Control surfaces CONDITION
- Flaps and fairings CONDITION

Ident.: 1-04-02-20-K20141010-1148164816.0001001 / 23 DEC 15

Applicable to: ALL

RH L/G AND FUSELAGE

- Chocks AS RQRD
- Wheels and tires CONDITION
- Brakes and brake wear ind. CONDITION

If any wear pin indicator is flush with housing, with parking brake applied and minimum of 2500 psi indicated on the brake accumulator, the brake must changed immediately or deferred under MEL 32-42-01.

If any wear pin indicator is less than .040 in (thickness of a dime), brake will need to be replaced within 25 landings.
- Torque link damper  CONDITION
- Hydraulic lines CHECK
- Landing gear structure CHECK
- Downlock springs CHECK
- Safety collar REMOVED
- Ground hydraulic connection yellow CLOSED
- Water drain mast CONDITION
- Shroud fuel drain CONDITION / NO LEAK

Ident.: 1-04-02-20-K20141010-1156575657.0001001 / 23 DEC 15

Applicable to: ALL

RH AFT FUSELAGE

- Cargo door and selector panel CHECK
- Bulk door  CHECK
- Toilet service access door CLOSED
- Outflow valve CONDITION
- Drain mast CONDITION

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Flight recorder access door **CLOSED**

Ident.: 1-04-02-20-K20141010-120826826.0001001 / 23 DEC 15

Applicable to: ALL

TAIL

Stabilizer, elevator, fin, and rudder **CONDITION**

Static dischargers **CHECK**

Navigation light **CONDITION**

Lower fuselage structure (skid plate) **CONDITION**

Ident.: 1-04-02-20-K20141010-1211431143.0001001 / 23 DEC 15

Applicable to: ALL

APU

Access doors **CLOSED**

Air intake **CONDITION**

Drain **CONDITION / NO LEAK**

Oil cooler air outlet **CLEAR**

Exhaust **CLEAR**

Fire extinguisher overpressure indication (red disc) **IN PLACE**

Ident.: 1-04-02-20-K20141010-1213451345.0001001 / 23 DEC 15

Applicable to: ALL

LH AFT FUSELAGE

Stabilizer, elevator, fin, and rudder **CONDITION**

Potable water service door **CLOSED**

Ground hydraulic connection blue and green doors **CLOSED**

Hydraulic reservoir filling door **CLOSED**

Ident.: 1-04-02-20-K20141010-121500150.0001001 / 23 DEC 15

Applicable to: ALL

LH LANDING GEAR

Chocks **AS RQRD**

Wheels and tires **CONDITION**

Continued on the following page

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Brakes and brake wear indicator CONDITION

With parking brake applied and minimum of 2500 psi indicated on the brake accumulator, brake must be changed immediately or deferred under MEL 32-42-01 if any wear pin indicator is flush with housing. If any wear pin indicator is less than .040 in (thickness of a dime), brake will need to be replaced within 25 landings.

Torque link damper  CONDITION

Hydraulic lines CHECK

Landing gear structure CHECK

Downlock springs CHECK

Safety collar REMOVED

Ident.: 1-04-02-20-K20141010-121601161.0001001 / 23 DEC 15

Applicable to: ALL

LH WING TRAILING EDGE

Flaps and fairing CONDITION

Control surfaces CONDITION

Static dischargers CHECK

Ident.: 1-04-02-20-K20141010-1216571657.0001001 / 23 DEC 15

Applicable to: 201-213, 215-218, 220-222, 225-226, 228, 232, 235-242, 258, 260-261, 264-271, 274-275, 280, 282, 285-287, 401-405, 408, 411, 415-416

LH WING LEADING EDGE

Wing tip CONDITION

Navigation light CONDITION

Surge tank air inlet CLEAR

Fuel ventilation overpressure disc INTACT

Fuel water drain valve NO LEAK

Magnetic fuel level L3, L4, L5 FLUSH

Slats 2, 3, 4, 5 CONDITION

Ident.: 1-04-02-20-K20141010-1216571657.0001001 / 24 MAR 16

Applicable to: 451-464, 473

LH WING LEADING EDGE

Wing tip CONDITION

Navigation light CONDITION

Surge tank air inlet CLEAR

Fuel ventilation overpressure disc INTACT

Continued on the following page

Fuel water drain valve NO LEAK

Magnetic fuel level L3, L4, L5, L6, L7 FLUSH

Slat 2, 3, 4, 5 CONDITION

Ident.: 1-04-02-20-K20141010-1217561756.0001001 / 23 DEC 15

Applicable to: ALL

ENG 1 LH SIDE

Oil fill access door CLOSED

Fan cowl doors CONFIRM CLOSED / LATCHED SECURELY

Drain mast CONDITION / NO LEAK

Engine inlet and fan blades CHECK, ENSURE CLEAR OF ICE AND
SNOW AND FAN ROTATES FREELY

Ident.: 1-04-02-20-K20141010-121908198.0001001 / 23 DEC 15

Applicable to: ALL

ENG 1 RH SIDE

Vent inlet CLEAR

Pressure relief/Start valve handle access door CLOSED

Turbine exhaust CLEAR

Pylon/access panel CONDITION / CLOSED

Ident.: 1-04-02-20-K20141010-1220112011.0001001 / 23 DEC 15

Applicable to: ALL

LH CENTER WING

Slat 1 CONDITION

Wing leading edge ventilation intake  CLEAR

Fuel water drain valves NO LEAK

Magnetic fue level L1 and L2l FLUSH

Landing lights CONDITION

Hydraulic reservoir pressurization door CLOSED

RAT doors CLOSED