COCKPIT SAFETY INSPECTION

Oxygen Bottle Valve Handle[TS] ..... ON TO RESTORE

ELECTRICAL Panel ..... CHECK
Check BATT 1 & 2 Switches in the OFF position. BUS TIE Knob and GEN 1 & 2 Switches in the AUTO position and set GPU Button as required and check.

BLEED 1 & 2 Switches ..... ON

XBLEED Knob ..... AUTO

TEST Panel ..... OFF

FUEL PUMP 1 & 2 Switches ..... AUTO

XFEED Knob ..... OFF

HYD PUMP SOV 1 & 2 Switches ..... OPEN

ELT Switch ..... ARMED

PUSHER CUTOUT Button ..... PUSHED OUT

HEATING Panel[TS] ..... CHECK
Check WSHLD 1 & 2 Switches in the OFF position and ADS PROBES in the AUTO position.

ICE PROTECTION Panel ..... CHECK
Check ENG 1 & 2 Switches, WINGSTAB and INSP LIGHT Switches in the OFF position.

LDG GEAR Lever ..... DN

PRESSURIZATION Panel[TS] ..... CHECK
Check ECS Knob in the BOTH position.

ENG FIRE EXTINGUISHER Panel ..... CHECK
Check SHUTOFF 1 & 2 Buttons pushed out and BOTTLE Switch in the OFF position.

Start/Stop Knobs ..... STOP

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Flap Lever ..... ZERO

SPEED BRAKE Switch ..... CLOSE

Parking Brake ..... SET

EXTERNAL INSPECTION

PROBES & ENG Covers[TS] ..... REMOVED

Fuel[TS] ..... LOADED

Payload[TS] ..... LOADED

Passengers[TS] ..... BOARDED

POWER UP

BATT 1 & 2 Switches ..... ON

MFD NAVDATA Expiry Date ..... CHECK

Battery 1 & 2 Voltage ..... CHECK
CAUTION: EACH BATTERY VOLTAGE MUST BE AT LEAST 23.5 VOLTS.

GPU Button (if applicable) ..... AS REQUIRED

Transponder/TCAS (if applicable) ..... CHECK

BEFORE START

TEST Panel ..... TEST
Test Fire Protection, Smoke Detector and Annunciator.

SIGNS/OUTLET Switch ..... BELTS/ON

External Lights ..... AS REQUIRED

EMER LT Switch ..... ARM

Fuel Quantity and Balance ..... CHECK

Oxygen Pressure ..... CHECK

ENG IGNITION Switches ..... AUTO

Thrust Levers ..... IDLE

Parking Brake ..... SET

Doors ..... CLOSED

ENGINE START

Oil Temperature ..... > -40 °C/-40 °F

Battery 1 & 2 Voltage ..... CHECK
CAUTION: EACH BATTERY VOLTAGE MUST BE AT LEAST 23.5 VOLTS.

Associated Start/Stop Knob ..... START, THEN RUN

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Oil Temperature ..... > -40 °C/-40 °F

Battery 1 & 2 Voltage ..... CHECK
CAUTION: EACH BATTERY VOLTAGE MUST BE AT LEAST 23.5 VOLTS.

Associated Start/Stop Knob ..... START, THEN RUN

Engine Parameters ..... MONITOR
Check N2, ITT, N1 and oil pressure within operational limits.

Repeat the sequence for the other engine.

AFTER START

GPU (if applicable)[TS] ..... DISCONNECT

ELEC EMER Button ..... PUSH IN

Battery 1 & 2 Voltage ..... CHECK
CAUTION: EACH BATTERY VOLTAGE MUST BE AT LEAST 23.5 VOLTS.

Stall Protection System (TEST Panel) ..... TEST

ELEC EMER Button ..... PUSH OUT

AFCS Control Unit ..... SET

Engine Takeoff Data[TS] ..... SET
OAT ..... SET
ATR ..... ON OR OFF

Landing Field Elevation ..... SET

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Takeoff Speeds (V_1, V_R, V_2, V_{FS})[TS] ..... SET

Transponder/TCAS (if applicable) ..... SET

Altimeters (pilots and IESI) ..... SET & X-CHECK

Flight Controls ..... CHECK FREE

Trims ..... CHECK/SET

Verify that Roll, Yaw and Pitch (NORM and BKP) trims are operating properly in both directions. Adjust Yaw and Roll trims to the neutral position and Pitch trim to Takeoff (green band).

Flap ..... SET FOR T/O

External Lights ..... AS REQUIRED

Ice Protection ..... AS REQUIRED

WARNING: IF ICING CONDITIONS EXIST OR ARE FORECAST, REFER TO OPERATION IN ICING CONDITIONS PROCEDURE.

BEFORE TAKEOFF

Takeoff Configuration ..... CHECK

Press the T/O CONFIG Button on the central console and check for the aural TAKEOFF OK sound.

CAS Messages ..... CHECK

SIGNS/OUTLET Switch ..... PED-BELTS/OFF

Yaw Damper[TS] ..... OFF

---------- SHORTLY BEFORE TAKEOFF ----------

Passengers ..... ADVISE

Lights ..... AS REQUIRED

TAKEOFF

Thrust Levers ..... TO/GA

NOTE: After checking thurst levers in TO/GA, check N1 equal to N1 target and green ATR indication presented on MFD if ATR ON is selected.

Engine Parameters ..... MONITOR

At V_R rotate the airplane according to the table below.

FLAP POSITION	1	2
PITCH ANGLE	10.5°	8°

With positive rate of climb:

LDG GEAR Lever ..... UP

Airspeed ..... V_2 + 10 KIAS MINIMUM

AFTER TAKEOFF/CLIMB

LDG GEAR Lever ..... CHECK UP

Flap ..... ZERO

Retract the flap in a speed at or below to the Maximum Flap Extended Speed (V_{FE}) for each position.

Thrust Levers ..... CON/CLB

Altimeters (pilots and IESI) ..... SET & X-CHECK

Yaw Damper[TS] ..... ON

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Icing Conditions ..... VERIFY

---------- ABOVE 10000 ft ----------

SIGNS/OUTLET Switch ..... AS REQUIRED

External Lights ..... AS REQUIRED

Weather Rader (NEXRAD) ..... AS REQUIRED

Airspeed ..... AS REQUIRED

DESCENT

Windshield Heating[TS] ..... ON

Pressurization[TS] ..... CHECK LFE

Landing Speeds[TS] ..... SET
Set V_{REF}, V_{AC} and V_{FS}.

---------- BELOW 10000 ft ----------

SIGNS/OUTLET Switch ..... PED-BELTS/OFF

APPROACH

External Lights ..... AS REQUIRED

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Passengers ..... ADVISE

XFEED Knob ..... OFF

Altimeters (pilot and IESI) ..... SET & X-CHECK

Icing Conditions ..... VERIFY

BEFORE LANDING

Yaw Damper[TS] ..... OFF

LDG GEAR Lever ..... DN AND CHECK

Flap ..... SET FOR LANDING

Airspeed ..... V_{REF}

LANDING

Thrust Levers ..... IDLE

Brakes (after touchdown) ..... APPLY MAXIMUM

GO-AROUND

TO/GA Button ..... PRESS

Thrust Levers ..... TO/GA

Rotate the airplane following the flight director guidance or according to the table below.

LANDING FLAP POSITION	GO-AROUND PITCH ANGLE
3	8°
FULL	6°

Select flaps according to the table below.

LANDING FLAP POSITION	GO-AROUND FLAP POSITION
3	1
FULL	2

With positive rate of climb:

LDG GEAR Lever ..... UP

Airspeed ..... V_{AC}

At the acceleration altitude proceed as in a normal takeoff.

AFTER LANDING

Flap ..... ZERO

Lights ..... AS REQUIRED

Transponder ..... AS REQUIRED

SHUTDOWN

Thrust Levers ..... IDLE

Emergency/Parking Brakes ..... APPLY

CAUTION: MAINTAIN IDLE FOR AT LEAST 2 MINUTES PRIOR TO ENGINE SHUTDOWN.

HEATING Panel[TS] ..... CHECK

Check WSHLD 1 & 2 Switches in the OFF position and ADS PROBES in the AUTO position.

ICE PROTECTION Panel ..... CHECK

Check ENG 1 & 2 Switches, WINGSTAB and INSP LIGHT Switches in the OFF position.

Start/Stop Knobs ..... STOP

MFD Status Pages ..... CHECK

SIGNS/OUTLET Switch ..... OFF/ON

LEAVING THE AIRPLANE

Oxygen Bottle Valve Handle ..... OFF TO CUTOUT

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EMER LT Switch ..... OFF

Lights ..... OFF

BATT 1 & 2 Switches ..... OFF