During descent, the pressurization descent mode is activated when:

A Aircraft descends 0.50 psi below the selected LAND ALT

B Aircraft descends 0.25 psi below the selected LAND ALT

Aircraft descends 0.25 psi below the selected FLT ALT

D Aircraft descends 0.50 psi below the selected FLT ALT

Two independent radio altimeters provide radio altitude to the respective FCC's. With one radio altimeter inoperative:

the autopilot will disconnect two seconds after LOC and GS capture

B the autopilot will continue to command the aircraft down to minimums

C nothing out of the ordinary will occur

D the autopilot will disconnect as soon as the failure is detected

Blue illumination of APU GEN OFF BUS means:

APU is running but not powering transfer busses

B APU is running

C APU is not running

D APU is running and powering transfer busses

Yaw damper inputs (main or standby) can be overridden:

A Only when the yaw damper switch is off

B By rudder pedals inputs but not trim inputs

C By trim inputs but not rudder pedals inputs

By either trim or rudder pedals inputs

If the nose gear steering lockout pin is not installed for pushback or towing:

A System B HYDRAULIC PUMPS must be switched off

B System B HYDRAULIC PUMPS must be switched on

System A HYDRAULIC PUMPS must be switched off

D System A HYDRAULIC ELEC PUMP may be switched on

Prior to returning to the oil tank engine oil passes through:

the scavenge filter and IDG fuel-cooled oil cooler

B main engine oil cooler and IDG fuel-cooled oil cooler

C first stage fuel pump and main engine oil cooler

the scavenge filter and main engine oil cooler

Illumination of the STANDBY POWER OFF lights indicates:

A Hot battery bus unpowered

DC bus 1 unpowered

C DC bus 2 unpowered

AC standby bus unpowered

The FMC advisory Message BUFFET ALERT indicates:

Current conditions result in a manoeuvre margin less than specified

B Clear air turbulence has been detected in the intermediate flight path

C The flight deck crews dinner is being prepared in the galley

D The aircraft is in a partial or full stall

Pushing the ATTEND call switch:

sounds a two-tone chime in the cabin and illuminates both pink master call lights

B sounds a single chime in the cabin and illuminates both pink master call lights

C sounds a two-tone chime in the cabin and illuminates the FWD pink master call light

D sounds a single chime in the cabin and illuminates the FWD pink master call light

Refer to the RF indication to the right of the hydraulic system quantity indication. This indication is displayed:

A Only during MASTER CAUTION system recall

B At all times

Only when hydraulic quantity is below 76% in either system A or B and the aircraft is on the ground with both engines shutdown or after landing with flaps up during taxi-in

D Automatically when the hydraulic quantity is below 88% in either system A or B

Landing auto brake setting may be selected after touchdown:

A Auto break action will occur only after both thrust levers are retarded to idle

Prior to decelerating through 30 knots groundspeed

C However, the AUTO BRAKE DISARM light will illuminate and auto break application will not occur

D After decelerating through 30 knots groundspeed

The trailing edge flaps are at 15 units, the correct indication on the aft overhead panel for the leading edge devices is:

A LE slats EXT Lights and LE flaps FULL EXT lights illuminated

B All amber TRANSIT lights illuminated

All LE devices FULL EXT lights illuminated

D All LE devices EXT lights illuminated

On the ground, for primary ATC communication:

Always use no. 1 VHF radio

B No. 1 VHF for outbound and no. 2 VHF for inbound flights

C Always use the no.2 VHF radio

D Monitor the VHF radio connected to the lower antenna

Aircraft in flight. You have 2500 kg of fuel in the No 1 main tank and 3060 kg of fuel in the No 2 main tank. You will see:

A The fuel quantity arc and digits on main tank No 2 turn amber

An amber IMBAL indication below main tank No 1 accompanied by a Master Caution Light and system annunciation for fuel

An amber IMBAL indication below main tank No 1, fuel quantity arc and digits on tank with lower quantity also turns amber

D An amber LOW indication below main tank No 1 accompanied by a Master Caution Light and system annunciation for fuel

The FMC Alerting Message INSUFFICIENT FUEL means:

You will have less than 900kg (2000lbs) of fuel at the destination

B You will not reach your destination before running out of fuel

C The APU is running out of fuel

D It is necessary to increase the thrust setting

An amber IAS DISAGREE alert in the bottom of the speed tape indicates:

The Captains and First Officers airspeeds disagree by more than 5 KTS for more than 5 seconds

B The selected V REF is not correct for actual airplane gross weight

C The selected V REF is not correct for actual airplane configuration

D There is a difference of more than 10 KTS between the MCP and FMC speeds

For landing, what is maximum fuel imbalance between No 1 and No 2 main tanks?

A 726 kgs

453 Kgs

C 553 Kgs

D 653 Kgs

The amber LOW PRESSURE Light for System B Electric Hydraulic Pump illuminates. What are the other indications?

A MASTER CAUTION, HYD annunciator and System B Flight Control LOW PRESSURE Lights illuminate

B System B hydraulic pressure drops to 1000 psi

MASTER CAUTION and HYD annunciator lights illuminate

D System B brake pressure drops to 1000 psi

On the ground, with the BATTERY switch OFF and STANDBY POWER Switch in BAT, the switched hot battery bus is:

A Powered by TR 3

B Powered by the Battery

Not powered

D Powered by the Hot Battery Bus

What is the maximum authorised thrust reduction below any certified rating?

A 20%

25%

C 10%

D 35%

Both, ON and ALTN visible on EEC, indicate EEC has automatically changed to soft alternate mode, and remains in soft mode until:

Thrust lever retarded to idle or manually selecting ALTN with EEC switch on AFT overhead panel

B Thrust levers are both advanced to full throttle

C The N2 of any engine drops below 57%

D The N1 of any engine drops below 57%

What is the condition of the VALVE OPEN Light when the crossfeed selector is positioned OPEN and the crossfeed valve is closed?

A Illuminated amber

Illuminated bright blue

C Extinguished

D Illuminated dim blue

The APU may be used as a pneumatic source up to:

A 25,000 feet

17,000 feet

41,000 feet

D 10,000 feet

The SMYD computers receive inputs from:

A Anti-ice controls only

B FMC, Thrust reverser

ADIRUs only

Anti-ice controls, ADIRUs, alpha vane output, wing configuration, air/ground sensing, thrust and FMC outputs

Following an unpressurised takeoff, when is the first engine Bleed Switch positioned to ON?

A After the gear is up and obstacle clearance has been achieved

B Prior to 400 feet above the ground

At not less than 400 feet, and prior to 2000 feet above field elevation

D After passing through 2000 feet above the ground

The supplemental and temporary data bases has storage capacity for:

A 20 navaids and 2 airports

B unlimited navaids and 6 airports

C unlimited airports and 40 navaids

40 navaids and 6 airports

In flight, the Predictive Windshear Warning:

will activate if windshear is detected up to 7nm ahead of the aircraft

B is inhibited below 1500ft

C is operated by the EGPWS

will activate for windshear up to 1.5nm ahead of the aircraft

Fuel for the APU is normally supplied from the:

Centre tank

B No 2 main tank

Left side of the fuel manifold

D Aux. Tank

Refer to the thermal anti-ice (TAI) CDS indication. TAI is shown above each N1 indicator:

A If amber, the cowl anti-ice valve is open and the related engine anti-ice switch is ON

If green, the cowl anti-ice switch valve is open and the related engine anti-ice switch is ON

C If green, the cowl anti-ice valve is closed and the related engine anti-ice switch is OFF

D If amber, the cowl anti-ice valve is closed and the related anti-ice switch is OFF

Which window(s) are heated with the LEFT FWD WINDOW HEAT switch ON?

A L2, L3, L4, L5

L1 only

C L1, L2, L3

D L2, L4, L5

APU cooling air:

A Enters through the air inlet door

B Is supplied by the air conditioning packs

C Enters through the ram air system

Enters through a cooling air inlet above the APU exhaust outlet

The right IRS is electrically powered from:

A Normally AC Transfer Bus 2 and in an emergency from battery bus

Normally AC Transfer Bus 2 and in an emergency from switched hot battery bus for a maximum of 5 minutes

C Normally AC Transfer Bus 2 and in an emergency from hot battery bus

D Normally AC Transfer Bus 1 and in an emergency from switched hot battery bus

Which systems use engine bleed air for operation?

A APU, engine starting, Air con/Press, Hydraulic tanks

B Air con/press, Wing Anti-ice, Fuel tanks

Wing Anti-ice, engine starting, water tank

Engine starting, Air con/Press, Wing and Engine anti-ice, Hydraulic and water tanks pressurization

Arrivals can be selected on the FMC for either the origin or destination airport on the DEP/APR page:

A Only origin airport is available until passing 120 NM from origin airport

B Only origin airport is available until passing 60 NM from origin airport

Both origin and destination airport are available

D Only destination airport is available

Which of the following will cause activation of the takeoff configuration warning system?

A SPEED BRAKE lever in the DOWN position

Spoilers partially extended

C Leading edge slats in the extend position and trailing edge flaps at flaps 5

D Leading edge slat in the full extend position and trailing edge at flaps 15

When the manual gear extension access door is open:

A Normal landing gear extension is not possible

The landing gear may be retracted by moving the landing gear lever to the UP position only if hydraulic system A pressure is available

Manual landing gear extension may be accomplished with the landing gear handle in the UP position

D Landing gear uplocks are released

If a wet start is detected, the EEC will automatically turn off ignition and shut off fuel to the engine:

A 15 seconds after the start valve opens during ground starts

B 10 seconds on the ground or 30 seconds in flight after the start lever is moved to idle

C no automatic shutdown is provided for a wet start

15 seconds after the start lever is moved to idle during ground starts

The number of flight spoilers located onn each wing are:

A 6

B 3

4

D 2

What happens with the IAS/MACH display on the MCP if SPD INTV switch is pushed during VNAV operation:

A IAS/MACH displays opens up and shows dashes

B IAS/MACH displays opens up and shows 100 kts

C IAS/MACH displays opens up and shows slashes

IAS/MACH displays opens up and show FMC target speed

With normal power source on the buses, placing the battery switch to OFF will remove power from:

A The battery bus

B The standby buses

C The battery bus, switched hot battery bus and standby buses

The battery bus and switched hot battery bus

The Recirculation Fan:

Reduces air conditioning pack load

The amber LE FLAPS TRANSIT light:

A Indicates LE slats are fully extended

B Provides TE flaps asymmetry protection

C Indicates all LE devices are fully extended

Is inhibited during Autoslat operation in flight

Dual angle-airflow sensors (alpha vanes) provide angle-of-attack information to the stall warning system, autothrottle, autopilot and autoslats are anti-iced:

A Whenever wing anti-ice is being used

B By switching on the LEFT and RIGHT FWD window heat switch

By switching on the PROBE HEAT switches

D Whenever the alternate static ports are heated

(RF) Indication is displayed to the right of the hydraulic system quantity:

A Only during MASTER CAUTION system recall

When hydraulic quantity is below 76% in either system A or B

C At all times

D When hydraulic quantity is less than 88% in either system A or B

Which statement is true?

Hydraulic System B pressure is bypassed with the lockout pin installed in the steering depressurisation valve

Rudder pedal steering is deactivated as the nose gear strut extends

C Rudder pedal steering overrides the steering wheel inputs

D Rudder pedal steering allow 37 degrees of steering in either direction

In degraded mode, what are the combinations for transmission and reception at the degraded station?

A Capt. VHF 1, F.O. VHF 2, Observer VHF 2

B All stations will use VHF 1

Capt. VHF 1, F.O. VHF 2, Observer VHF 1

D Capt. VHF 2, F.O. VHF 1, Observer VHF 2

The scratch pad message VERIFY GW AND FUEL appears:

A When gross weight is out of limit

B When fuel data is invalid causing V NAV to disengage

When fuel data is invalid and fuel has to be entered manually

D You will not reach your destination before running out of fuel

The ND Wind direction/speed and wind arrow is:

Blanked if wind speed becomes less than 6 knots

B Displayed in only in ND MAP mode

Displayed if wind speed is greater than 6 knots

D Displayed only in ILS mode

In AUTO, the FASTEN BELTS and RETURN TO SEAT signs:

A illuminate when descending through 15,000ft

B illuminate when descending through 10,000ft

illuminate when flap or gear are extended

D illuminate when flap is selected higher than 1 degree

The purpose of the landing gear transfer unit is to:

A Automatically use hydraulic system B for landing gear retraction if hydraulic system A engine driven pump fails and the landing gear lever is positioned up

Automatically use hydraulic system B for gear retraction if No 1 engine is lost and the landing gear lever is positioned up

C Allow the use of nose wheel steering in the event of hydraulic system A fails

D Allow landing gear retraction if hydraulic system B is lost during takeoff

Elevator feel system is provided by the elevator feel computer. This computer receives inputs of:

A Only System A hydraulic pressure

Airspeed and stabiliser position

C Elevator balance tabs position

Altitude and elevator position

Minimum in-flight tank fuel temperature is:

3 degrees above the fuel freezing point or -43 degrees, whichever is higher

B -43 degrees

3 degrees above the fuel freezing point or -43 degrees, whichever is lower

D 3 degrees above the fuel freezing point

During cruise the FMC Alerting Message VERIFY POSITION indicates:

A The Captain has left the cockpit for an excessive period of time

Position information is contradictory

C You are routing to the wrong airfield

D The aircraft is excessively off the flight planned course

What pitch mode is annunciated in the FMA after takeoff when the autopilot is first engaged in CMD?

A CWS P

B V NAV

MCP SPD

D V/S

The LOCKOUT PIN is installed in the steering depressurisation valve. What does this do?

A It locks the nose wheel in center position

Allows aircraft pushback or towing without depressurising the hydraulic systems

C Bypasses the standby hydraulic system

D It locks the pedals in neutral position

The flap/slat electronics unit (FSEU) provides:

Protection for LE devices and TE flaps if two or more LE flaps or LE slats moves from commanded position

With the STANDBY POWER switch in the AUTO position, loss of both engine driven generators and APU generator will result in that AC standby bus is powered by battery through static inverter and DC standby bus is powered by battery:

A In flight only

Either in flight or on the ground

On the ground only

D Will not occur

What is the primary source of conditioned air from the cockpit?

A Both packs

The left pack

C Ground air

D The right pack

The amber LOW PRESSURE Light for the No 1 Engine Driven Hydraulic Pump illuminates. What should you do?

A Select STBY RUD with FLT CONTROL switch A

B Position the pump switch to OFF

C Start the Elec pump

D Monitor System A and B pressures

When operating on standby power:

Only the captains pitot probe is heated and the CAPT PITOT amber light will not illuminate for a failure

B Only the captains pitot probe is heated and the CAPT PITOT amber light will illuminate in case of failure

C Only the F/Os pitot probe is heated

Both captains and F/Os primary pitot are heated

The air/ground system receives logic signals from:

Six sensors, two on each landing gear

During cruise you note both center tank fuel pumps have failed as indicated by the illumination of both center tank fuel pump LOW PRESSURE lights. You still have 320 kg of fuel in the center tank and both main tanks are full. You will see:

A A pump LOW PRESSURE indication on the CDS

B A LOW indication on the CDS

C A CONFIG indication on the CDS

It will be no indication on CDS

What is the minimum pavement width for a 180 degree turn?

A 21.4

B 2.04

24.1

D 20.4

A DUCT OVERHEAT light only will cause:

The temperature mix valves to drive full cold

B The temperature mix valves to drive full hot

C An automatic shutdown of the pack

D A BLEED TRIP OFF

During the PRELIMINARY COCKPIT PREPARATION, the IRS Mode Selector is moved from OFF to ATT instead of OFF to NAV. How can normal IRS operation be regained?

Switch to OFF wait for ALIGN light to extinguish then perform full alignment

Predictive Windshear alerts are triggered from:

A Common Display System

Weather Radar System

During engine start, the EGT exceeds the starting limit, when does the EEC automatically turns off ignition and shuts off fuel to the engine?

A In the air only

On the ground only

C Never

D On the ground and in the air

The Power Transfer Unit provides an alternate source of power for the Autoslat System if:

A The Alternate Flaps Position Switch is momentarily held down

B Hydraulic System A engine driven pump is inoperative

C A loss of Hydraulic System A pressure is sensed

A loss of pressure from the Hydraulic System B engine pump is sensed

The FMC alerting message RESET MCP ALT means:

Aircraft within 5 NM of the FMC calculated Top of Descent (TOD) point without selecting lower altitude on the MCP

During single pack operation with TRIM AIR selected to OFF:

A Cannot provide cooling

B Does not provide any heating

C the pack attempts to produce an air temperature matching the coldest temperature selected

the pack attempts to produce an air temperature to satisfy the average demands of all three zones

With the Multifunction Display Switch (MFD) is SYS in lower DU shows:

Hydraulic pressure and quantity only

B Door annunciations

C Brake temperature on all fours wheels

D Hydraulic pressure and quantity only and flight ctrls surfaces

In what mode will the TCAS automatically show if a TA/RA occurs and the TFC switches are selected OFF?

MAP, CTR MAP, VOR, APP

The GROUND POWER AVAILABLE light will extinguish when:

A The GROUND SERVICE switch is positioned ON

B The pneumatic ground cart is disconnected

The AC ground power cart has been disconnected

During flight with hydraulic system B inoperative (no fluid in system B):

The standby hydraulic system operates the leading edge slats and leading edge flaps to fully extended position only

During an ILS approach the captain observes his BARO minimum reference altitude turns from green to flashing amber for three seconds, this means:

A A windshear has been encountered

The aircraft has descended below captains selected minimum altitude (DA)

The hydraulic brake pressure indicator displays accumulator nitrogen pre-charge pressure of 1000 psi and:

Brake pressure from hydraulic system B if it is greater than 1000 psi

To receive NAV and ADF voice and range audio:

set the filter switch to BOTH

The EEC provides redline overspeed protection for:

A N2 only in both the normal and alternate modes

B N1 only in both the normal and alternate modes

N1 and N2 in both the normal and alternate modes

Engine oil pressure is in the yellow band at take off thrust. Which of the following is true

A Acceptable, no action is necessary

Do not take off

C Normal, but requires continuous monitoring of the oil pressure

D Normal, but requires continuous monitoring of the oil temperature

What could cause the amber ANTISKID INOP Light to illuminate?

A Brake accumulator pressure is in the red band

B System B pressure is low

C AUTO BRAKE select switch OFF

A fault in the parking brake system

With the loss of hydraulic system B, (system A operating normally):

Standby yaw damper functions are available as long as hydraulic system A is providing normal pressure and the yaw damper switch is ON

Main and standby yaw damper functions are lost

The crew fails to properly accomplish normal procedures and takes off with the APU powering both transfer buses:

The generators will come on line automatically if the APU is either shut down or fails

The amber OFF SCHEDULE DESCENT Light illuminates. What does this indicate?

A The pressurization controller has failed and will automatically shift to STANDBY

B The pressurization controller has failed and will automatically shift to MANUAL

The aircraft has descended before reaching the planned cruise altitude set in the flight altitude window

The Predictive Windshear alerts are available:

A When TERR switch on EFIS control panel is pressed

B Automatically below 2300 feet RA

Automatically below 1200 feet RA

D When WPT switch on EFIS control panel is pressed

In which fuel tanks are bypass valves located?

Both main tanks

B None

C Center tank

D All tanks

With ENGINE START switch in OFF, automatic ignition will occur:

If ENG ANTI-ICE is selected ON

B Will never occur

C If N1 is between 57% and 50%

If N2 is between 57% and 50%

If the thrust lever(s) are advanced after touchdown:

A The AUTO BRAKE DISARM light will not illuminate

B The AUTO BRAKE SELECT switch will move to OFF

After 3 seconds in the advanced position the AUTO BRAKE DISARM light will illuminate

D The AUTO BRAKE DISARM light will illuminate immediately

The RA aural alert "CLIMB-CLIMB NOW" means:

A Increase your rate of climb now

B Start climbing as soon as possible

Reversal maneuvour from initial descent RA

D Reversal maneuvour from initial climb RA

In the PACK TRIP OFF non-normal procedure, the crew selects a warmer temperature in order to:

Reduce the workload on the affected air conditioning pack

B Reduce the workload on the other pack

C Reduce cabin airflow

D Reduce the airflow through the air mix valves

The APU switch to OFF position has an automatic shutdown delay of:

120 seconds

60 seconds

C 135 seconds

D 30 seconds

The Auto position of the Cockpit Voice Recorder (CVR) On/Auto switch:

A Ensures the CVR is always powered

B Powers the CVR until first engine start and then trips the switch to on

Powers the CVR from first engine start until 5 minutes after last engine shutdown

D Powers both the CVR and the Flight Data recorder from first engine start

One of the purposes of the FMC FIX INFO page is to:

A Establish your position relative to any unknown fix

Create a new waypoint at the intersection of the active route with a radial or distance from a known fix

C Establish a fix relative to arrival airport position

D Create new waypoints and using place bearing /place bearing or along track fix methods, monitor flight progress

The Power Transfer Unit provides a backup source of hydraulic pressure to operate the:

A Outboard spoilers

B Trailing edge flaps

Landing gear

Autoslats

Due to a malfunction you are required to return to the airport of departure. To avoid the OFF SCHED DESCENT warning, you reset the FLT ALT. What can you expect?

The automatic abort capability for the departure airport is lost

B The cabin will stay fully pressurized at the current differential pressure

C A rapid depressurization

D The pressurization will remember the departure airport elevation and automatically descent to that level

The APU starter cycle may take up to:

A 135 seconds

120 seconds

C 180 seconds

60 seconds

Illumination of the BAT DISCHARGE light indicates:

The DC meter is in the BAT position with the battery switch ON

Excessive battery discharge is detected with the battery switch ON

C The battery is being overcharged

D The battery bus is not powered

The left IRS is electrically powered from:

Normally AC Transfer Bus 1 in emergency from switched hot battery bus

B Normally AC Transfer Bus 2 in emergency from hot battery bus

C Normally AC Transfer Bus 2 in emergency from battery bus

Normally AC Standby bus in emergency from switched hot battery bus

A leak in standby hydraulic system will cause system B fluid indication decrease to approximately:

Zero

B 64%

C Has no effect on system B quantity

72%

In normal operation, what provides the A/T system with N1 limit values?

A ADIRUs

B A/T computer

C AFDS

FMC

The alpha vanes provide angle-of-attack information to the stall warning system, auto throttle, auto pilot, auto slats and are anti-iced:

A Whenever the alternate static ports are heated

By independent 115V AC heating elements, controlled by the PROBE HEAT switches

Emergency exit light can be activated from:

A Flight deck only

B Flight deck and aft and fwd attendant station

C Flight deck and fwd cabin attendant station

Flight deck and aft cabin attendant station

Placing the TEST Switch in the FAULT/INOP position tests:

A The engine overheat detectors only

B The APU overheat detectors only

The fault detection circuits for both engines and the APU

D The APU DET INOP Light, FAULT Light and APU BOTTLE DISCHARGE Light

The PASS OXY ON Light illuminates, what does this indicate?

A Passenger oxygen system pressure is low

Passenger oxygen system is activated

C Oxygen shutoff valve is ON

D Passenger oxygen quantity is low

What information is available with the IRS mode selector in ATT?

A Only altitude information

Only attitude information

C Only heading information

Only attitude and heading information

Which A/T modes permit manual thrust changes without A/T interference?

A N1 and ARM

B THR HLD only

THR HLD and ARM

D GA and ARM

How many independent Flight Control Computers (FCCs) are there in the Autopilot Director System (AFDS)?

A Three

B One

C Four, two for each channel

Two

The APU is capable of supplying bleed air for both air conditioning packs:

A Never

On the ground only

The EGT display, both box and dial, turn red and the EEC automatically turns off ignition and shut off fuel to the engine if:

The EGT exceeds the starting limit during ground or in flight starts

The EGT exceeds the starting limit during ground starts

C An impending hot start is detected during ground starts

D An impending hot start is detected during ground starts or in flight starts

If the APU GEN OFF BUS light fails to illuminate by the end of the start cycle:

A The APU failed a self test and the OVERSPEED light will illuminate

There is no light associated with this malfunction

The FAULT light illuminates

D The MAINT light illuminates

The right primary pack control fails. The right pack:

is controlled by the left pack standby control

B cannot be controlled

C is controlled by the right pack standby control

D is controlled by the left pack primary control

The AUTOSLAT system:

A Uses Hydraulic System A fluid

B Uses Standby Hydraulic system fluid

C Uses Hydraulic System A pressure

Is normally powered by Hydraulic System B

Number 1 DRIVE light illuminates amber. This is directly caused by:

A IDG failure

B engine shutdown

low oil pressure in the IDG

D IDG auto disconnect due to high oil temperature

The First Officer observes the word PITCH displayed in amber in the lower portion of the PFD during an ILS approach. This means:

A The First Officers pitch display is more than 3 degrees in error

The Captains and First Officers pitch displays differ by 5 degrees or more

With the CONTROL PANEL select switch on the Displays Source Panel in the BOTH ON 2 position:

A ADIRU inputs for both the L and R ADIRU are being received from the First Officers pitot probe

B DEU 2 controls all six display units

The First Officers EFIS control panel is supplying identical inputs to the Captains and First Captains displays

What is the wingtip height of blended wing aircraft?

6.4m

B 6.04m

C 4.06m

D 4.6m

On the ground the TR UNIT amber light illuminates if:

A Only if TR 2 and TR 3 have failed

B TR 3 has failed

Any TR has failed

Refer to the Cabin/Flight Altitude placard. At a cruise altitude FL290, the cabin altitude should read:

A A pressure differential of 50 psi

B Cannot be determined from this placard

Approximately 6000 feet

D Slightly less than FL220

Select the correct statement:

The primary flight controls are powered by hydraulic systems A and B, with backup from the standby hydraulic system for the rudder and manual reversion for the rest

Impact fittings located in the opening of each main gear well:

Are intended to provide protection to wheel well components during gear retraction by preventing a gear with a spinning tire and loose tread from entering the wheel well

During battery start, when does the EEC start to operate?

A When the start switch is positioned to GND

15% N2

With TCAS, proximate traffic is:

A Displayed as an amber square

B Within 12 miles horizontally and 1200ft vertically

C Within 1.5 nm

Within 6 miles horizontally and 1200ft vertically

During taxiing out for takeoff, the amber AUTO BRAKE DISARM Light illuminates. What should you do?

A Position the AUTO BRAKE select switch to OFF and then reselect RTO. If the DISARM re-illuminates, use manual brakes

B Position ANTISKID Switch to OFF

C Nothing, this is normal

Position the AUTO BRAKE select switch to OFF. Do not attempt to takeoff if light remains illuminated

When does the amber DUAL BLEED Light illuminate

A When the APU bleed valve is open and the No 2 engine bleed switch is on and the isolation valve is closed

B When the APU bleed valve is open and the No 1 engine bleed switch is off

C When the APU bleed valve is open

When the APU bleed valve is open and the No 1 engine bleed switch is on

Once activated, the APU DC operated fuel pump operates automatically until:

A APU shutdown

B The completion of the APU start cycle

An AC fuel pump pressurises the manifold

A leak in the No. 2 engine driven hydraulic pump or associated lines can result in a total loss of hydraulic system B pressure:

A only if Standby hydraulic pump is on

yes, if Elec pump is on
yes, but PTU operation is still available

D no

To climb to FL280 in the shortest distance, MAX ANGLE should be selected on page?

A PROG

B PERF

C CRZ

CLB

How many fire extinguishing bottles are there totally for engine and APU fires?

A 5

B 2

3

D 4

The FMC Advisor Message DRAG REQUIRED indicates the aircraft is:

A Within 15 knots of Vmo/Vmmo

B 5 knots or less above the FMC target speed

C 10 knots or more below the FMC target speed

10 knots or more above the FMC target speed or within 5 knots of Vmo/Vmmo

During the ILS approach on the radio altimeter remaining perimeter and pointer turns amber and flashes for 3 seconds. This means:

The airplane has descended below 1,000 ft radio

The airplane has descended below the selected radio altitude

During normal operations, hydraulic quantity indications vary when:

A It will never vary

Raising or lowering the landing gear or leading edge devices

Illumination of the APU DET INOP Light will cause following lights to illuminate:

A No lights

B Only OVHT/DET

C Only MASTER CAUTION

Both MASTER CAUTION and OVHT/DET

Which mode must be armed before the second autopilot can be selected during a dual channel A/P approach?

A VOR/LOC

APP

Pushing VHF TEST swtich on the radio tuning panel:

A Will test all VHF units installed

B Performs the self-test function of the respective VHF radio

C Will result in the 'VHF TEST COMPLETE' aural notification

Improves reception of weak signals

Which bus supplies electrical power to the auxiliary battery charger:

Transfer bus 2

B AC ground service bus 2

C Transfer bus 1

AC ground service bus 1

In addition to hydraulic system A and B, the rudder can also be powered by the standby hydraulic system through the:

A System B Standby Rudder PCU

Standby Rudder PCU

During AUTO LAND at which radio altitude should the flare mode be engaged?

A 150 ft

50 ft

If during RECALL on TAXI CHECKLIST, you push and release the system annunciator, the IRS light comes ON. The GPS light is illuminated on the AFT OVERHEAD PANEL, and extinguishes when Master Caution is reset. (not A/C YE003):

A single GPS sensor unit has failed

The number of ground spoilers on each wing are:

A 0

B 3

C 1

2

A WING BODY OVERHEAT light indicates:

A The temperature mix valves have driven to full hot

A leak in the bleed air system

C An automatic shutdown of the pack

D A BLEED TRIP OFF

The Autoslat system:

A Is normally powered by Transfer Bus No 2

B Provides slat development above Vmo/Mmo if necessary

Drives the slats to FULL EXTEND when TE Flaps 1 through 5 are selected and the aircraft approached a stall

Minimum fuel for ground operation of the electric motor-driven hydraulic pumps is:

760 kgs in the related main tank

An illuminated BLEED TRIP OFF light indicates:

A Too high pressure in bleed air duct and bleed air valve stays open

B Too high temperature in bleed air duct and bleed air valve stays open

C Too low temperature in bleed air duct and bleed air valve has closed

Too high temperature or pressure in bleed air duct and bleed air valve has closed

A valid FMC PERF INIT page Scratch Pad entry for actual FUEL is:

A Actual fuel is entered manually before every flight

B Actual fuel is entered manually before the first flight in the morning

C Actual fuel is entered manually before last flight at nightstop for next day

Actual fuel is displayed automatically and cannot be entered manually

The ELEC light will illuminate in flight if:

A A fault exists in the DC or standby system

B A fault exists in the AC or standby power system

The ELEC light only operates on the ground

D A fault exists in the AC, DC or the standby system

The flight crew oxygen system uses auto pressure breathing masks / regulators with pressure breathing starting at:

A 37,000 feet

B 10,000 feet

27,000 feet

D 15,000 feet

When are the NO SMOKING signs illuminated?

The NO SMOKING signs are always illuminated

Engine Fuel Flow is measured:

A before the fuel filter

B after passing through spar fuel shutoff valve

C before the first stage fuel pump

after passing through the engine fuel shutoff valve

While flying an ILS approach below 1,000 feet Radio Altitude, a BELOW G/S alert occurs. To cancel the alert:

A Press recall

B The alert cannot be cancelled

C Select another mode on MCP

Press either pilots BELOW G/S P-INHIBIT Light, or correct the flight path back to the glide slope

Pulling an engine FIRE WARNING switch up:

closes both the engine fuel shutoff valve and the spar fuel shutoff valve

What is the position of the isolation valve when the ISOLATION VALVE Switch is in AUTO?

A The isolation valve is always open

B The isolation valve automatically modulates between open and closed, depending on pneumatic load

C The isolation valve is always closed

Open when any Engine Bleed Air Switch or Air Conditioning Pack Switch is positioned OFF

What is the maximum airspeed limit according MEL, when WINDOW HEAT is inoperative for window nr 4?

A 280 KIAS

B 250 KIAS

250 KIAS below 10,000 feet MSL

Operating the airstairs from the exterior panel with the NORMAL/STANDBY switch to STANDBY:

A requires the BAT switch to be on

B requires AC power

C requires the door to be open

does not require the BAT switch to be on

What happens when the WING- BODY OVHT TEST Switch is pressed?

The amber WING-BODY OVERHEAT lights illuminate

There are CDS fuel alerts indications for:

Fuel quantity low in main tank, both center tank fuel pumps producing low or no pressure with fuel in center tank, excessive fuel quantity difference between main tanks

How many fuel measuring sticks are installed?

A 10

16

The elevator control column override mechanism allows:

A Forces from either control column to be transferred to the stabiliser

The control columns to be physically separated in the event of an elevator jam

The Ground Proximity Warning System Test:

Can be performed only on the ground

If an outboard display unit fails, the PFD is automatically displayed:

A Never. It can only be displayed manually with the MAIN PANEL DU selectors

On the inboard display unit

How are the Engine Bleed Air valves powered?

They are AC activated and pneumatically operated

B They are pneumatically activated and DC operated

They are DC activated and pneumatically operated

What does an illuminated main tank fuel pump LOW PRESSURE Light indicate?

Low fuel pressure in the affected tank

B Low fuel pump input pressure

C Low pressure in the fuel manifold

Low fuel pump output pressure

Dotted red areas on terrain display indicate:

Terrain more than 2,000 ft above airplane altitude

During the PRELIMINARY COCKPIT PREPARATION, the IRS Mode Selectors are normally positioned to:

NAV

During normal operation with the OVHT DET Switch in NORMAL, an alert is initiated if:

A Only FIRE can be detected

B Loop A is sensing a FIRE or OVHT

C Loop B is sensing a FIRE or OVHT

Both loop A and B is sensing a FIRE or OVHT

Which is the correct mode on the FMA? Condition: After takeoff, A/P engaged, before flaps up. (Thrust: Roll: Pitch)

N1 : LNAV : MCP SPD

With fuel in the center and main tanks, both engines operating and all fuel pump switches ON, fuel from which tank(s) is used first?

A No 2 main tank

Center tank

After a normal take-off, what pitch command can you expect from the F/D?

A V2 + 15

B V2 + 10

V2 + 20

Placing the TEST Switch, on fire protection panel to FAULT/INOP position tests:

A The cargo extinguishing circuits

The fault detection circuits for both engines and the APU

The amber DUAL BLEED light is illuminated before starting engines. What should you do?

Nothing, this is normal condition before engine start

B Shutdown the APU

C Do not start the engines

D Use a pneumatic ground cart for starting engines

The cross bus tie relay automatically opens at glide slope capture to:

A Provide more power to the AC standby bus

B Ensure that the standby DC bus is powered

C Provide more power to DC bus 1

Prevent a single bus failure from affecting both navigation receivers and flight control computers

In the event of an elevator jam, an override mechanism allows:

A Apply force against the jam will break out only the captains control column

B The elevator feel and centring unit to transfer proper aerodynamic forces to the control column

C Lighter than normal control forces to be used for take off and landing

The control columns to be physically separated

When control wheel pressure is released during CWS roll operation, the aircraft will roll wings level when the bank angle is:

A 15 degrees or less

B 8 degrees or less

6 degrees or less

During a normal engine start:

A Only oil pressure and engine vibration are available prior to placing the engine start switch to GRD

B Only round dials are visible for engine indications prior to placing the engine start switch to GRD

The EEC is not powered until the engine accelerates to a speed greater than 15% N2

Only N1, N2, oil quantity and engine vibration are available prior to placing the engine start switch to GRD

The landing gear indicator lights found on the center panel will illuminate red when:

All landing gear are DN, and the gear handle in OFF position

The accessory gearboxes receive drive from:

A ENG HYD Pumps

N2 Rotor

C IDG

D N1 Rotor

Where do you read the flight crew oxygen pressure?

On the crew oxygen pressure indicator on the aft overhead panel

Which pitot probes and static ports are not heated

A Elevator pitot probes

Static ports

C Aux pitot

Of the four lights located on the APU control panel, which light will NOT cause an automatic shutdown of the APU when it illuminates?

MAINT

B LOW OIL PRESSURE

C OVERSPEED

D FAULT

An amber ALT DISAGREE in the bottom of the altimeter tape is an indication of:

A The standby altimeter has failed

B The Captains and First Officers altitude indications differ more than 50 feet for more than 5 seconds

The Captains and First Officers altitude indications differ more than 200 feet for more than 5 seconds

The Look-Ahead Terrain alerting system will show for terrain:

Within 2000 feet barometric altitude

The minimum equipment requirement for RA's to be generated is:

The other aircraft has a Mode C transponder

During primary charge cycle operation, battery voltage can be as high as:

A 40 volts

B 115 volts

30 volts

Autopilot trim and main stabiliser trim use:

Hydraulic trim motor from hydraulic system A

Single electric trim motor

If a landing is made with RTO selected:

A Automatic braking occurs at the MAX level

B Automatic braking action occurs at the RTO level

C AUTO BRAKE DISARM light illuminates 2 minutes after touchdown

AUTO BRAKE DISARM light illuminates 2 seconds after touchdown

The Cockpit Voice Recorder uses four independent channels to record flight deck audio for a maximum of:

A 60 minutes

B 180 minutes

C 90 minutes

120 minutes

While making a no engine bleed air take off and an engine failure occurs, when should the bleed air switches be positioned to ON?

A Prior to 400 feet above ground

B After passing 2000 feet AGL

C After isolation valve switch switch is placed to AUTO

Reaching 1500 feet AGL or until obstacle clearance height is reached

After lift-off, the A/T remains in THR HLD until:

A 400 feet RA

B 400 feet RA or 18 seconds after takeoff

800 feet RA

A magenta bug on the vertical speed indicator in the PFD indicates:

A actual vertical speed

selected vertical speed on the MCP panel with V/S pitch mode selected

Pulling the engine fire warning switch up:

A Closes the spar fuel shutoff valve. The engine fuel shutoff valve must be closed using the engine start lever

B Closes the engine fuel shutoff valve. The spar fuel shutoff valve must be closed using the engine start lever

Closes both the engine fuel shutoff valve and the spar fuel shutoff valve

With the Captains ACP is operating in degraded mode, at that station:

Altitude alert, GPWS and Windshear audio warnings are not heard

Switching the CAB/UTIL switch OFF removes all 115v AC from the galley busses and:

A the emergency exit lighting

B the overhead panel lights

left and right recirculation fans

If the FAULT Light on the IRS Mode Selector Unit illuminates, it indicates:

A A failure of a symbol generator

B That DC power for the respective IRS is not normal

A system fault affecting the respective IRS ATT and/or NAV mode has been detected

What is the source of electrical power for the engine fuel shutoff valves?

The Hot Battery Bus

B The DC Standby Bus

C The AC Standby Bus

The Battery Bus

VNAV is terminated by:

A LOC capture

B selecting HDG SEL

selecting a different pitch mode

Electrical power to start the APU comes from:

A Either the AC or DC standby bus

B Battery power or either AC transfer bus

C The battery bus or the DC bus 2

The No 1 transfer bus if available. If AC power is not available, battery power is used

An Amber PACK light illumination during Master Caution recall, that extinguishes when master caution is reset, indicates:

A Failure of both standby pack controllers

Failure of either primary or standby pack controller

C Failure of either left or right standby controller

D Failure of the zone temp controller

During VNAV operations the Fuel Quantity Indicating System fails:

A VNAV operation is not possible

The pilots enter and periodically update manually calculated fuel weight on the FMC PERF INIT page in order to keep gross weight and performance data accurate

C VNAV disengages

D The scratchpad message: CHECK FMC FUEL Quantity is displayed

The landing gear configuration warning horn will activate anytime a gear is not down and locked:

A With flaps set to 30, the horn can be silenced

B There is no horn in the landing gear configuration system

C With flaps set to 15, one thrust lever at idle and the other at a high power setting (above 34 degrees)

With flaps set to 15, one thrust lever at idle and the other at low power setting (below 34 degrees)

The curved trend vector extending from the aircraft symbol on ND MAP and MAP CTR is divided into three segments, it represents with range greater than 20 NMs:

A Predicts position at the end of 10, 20 and 30 second intervals

B Predicts position at the end of 20, 40 and 60 second intervals

Predicts position at the end of 30, 60 and 90 second intervals

An amber ROLL displayed in the lower portion of the altitude indicator on the PFD means:

A The airplane is experiencing an uncommented roll

B No flight director or autopilot mode engaged

C The airplane has exceeded 36 degrees of bank

The captains and first officers roll angle display differ by more than 5 degrees

When is the ENGINE ANTI-ICE turned on if icing condition exists on the ground?

During taxi out

B Before engine start

As part of the after start checks

The mach/airspeed warning system can only be checked on the ground:

A Yes, together with IRS test

Yes

If GROSS WT is not available from the FMC, the APPROACH REF page will be:

A Flashing

Box prompts

C Dashes

D Blank

Landing auto brake setting may be selected after touchdown:

A After decelerating through 30 knots groundspeed

B However, the AUTO BRAKE DISARM light will illuminate and auto break application will not occur

C Auto break action will occur only after both thrust levers are retarded to IDLE

Prior to decelerating through 30 knots groundspeed

The power source for Fire Extinguishing is:

A the Switched Battery Bus

B none of the other answers

the Hot Battery Bus

D Transfer Bus No 1

When does the RAD ALT display a digital readout?

A Below 1000ft AGL

Below 2500ft AGL

C Below 1500ft AGL

Between 2500ft AGL and 1000ft AGL

The Standby Hydraulic System powers the:

A Inboard spoilers, rudder and thrust reversers

Alternate brakes, rudder and thrust reversers

C Outboard spoilers, rudder and thrust reversers

Leading edge devices, rudder and thrust reversers

To see both left and right GPS position relative to the FMC position you select:

A POS INIT page 1/3

POS SHIFT page 3/3

The TR Unit light will illuminate in flight if:

A TR3 fails

TR1 fails

C TR2 fails

D DC bus 2 fails

TCAS TA Only mode is enabled automatically:

A Above 1000ft when TA/RA mode is selected

Below 1000ft RA when TA/RA mode is selected

When the EEC is not powered, following engine indications are displayed directly from the engine sensors:

A Fuel flow and oil pressure

B Oil temperature, pressure and quantity indications

Oil temperature and engine vibration

Oil quantity and engine vibration

The TCAS symbol for proximity traffic is:

A white solid diamond

B A red square

An amber circle

D A hollow white diamond

Illumination of an amber COWL ANTI ICE light indicates:

The respective cowl anti-ice valve is in transit

An over pressure condition

C An over temperature or over pressure condition

D The respective cowl anti-ice valve is open

During alternate brake operation, the following protection is provided:

A Skid, locked wheel and hydraulic plane only

B None of the above

C Skid and hydraulic plane only

Skid, locked wheel, touchdown and hydroplane

A TCAS Resolution Advisory is generated when:

the conflicting aircraft is 25 seconds from point of closest approach

The window heat PWR TEST:

Provides a confidence test

B Must be tested before each flight

C Also tests the overheat protection system

D Can be used if all green lights are on

Starter cutout speed is:

Approximately 56% N2

Mach trim system provides speed stability at airspeeds above:

A Mach .455

B Mach .505

C Mach .555

Mach .615

For RVSM operation, the maximum allowable altitude display difference for sea level, between the Captain and F/Os on the ground is?

A 400 ft

50 ft

Which controls operate the nose wheel steering system?

The steering wheel and the rudder pedals (on the ground)

Do not attempt to make a turn away from an obstacle within:

A 4.6m of the nose

7.4m of the nose

When the aircraft batteries is the only source of power:

The Captains inboard and outboard displays operate until the battery is discharged

The display selector on the IRS Display Unit (ISDU) is moved to position HDG/STS during alignment. What is shown in the right window.

A Right window displays wind speed

Right window displays minutes remaining until alignment is complete

If the APU is the only source of electrical power:

A In flight, the APU attempts to carry the full electrical load

B On the ground, the main busses are shed first if an overload condition is sensed

C On the ground, the galley busses are automatically shed

In flight, the galley busses are automatically shed

The Air Data Inertial Reference System (ADIRS) produces following flight data:

A Attitude and speed only

B Position and speed only

Position, attitude, altitude and speed

The blue APU GEN BUS light will illuminate:

Whenever the APU is supplying power to a main bus but not the associated transfer bus

When the APU is at operational speed and is not supplying an AC transfer bus

C Whenever the APU is supplying power to generator bus No 1

D Whenever the APU is supplying power to generator bus No 2

L NAV will automatically disengage:

A Upon glidescope capture

B When HDG SEL is disengaged

C When VNAV is engaged

Reaching a route discontinuity

Normally, N1 limits and target N1 values are provided to the A/T by the:

A A/T computer

B FCCs

Flight Management Computer (FMC)

If spoilers became jammed:

A The first officer's control wheel operates the ailerons

B The captain's control wheel will also become jammed

The captain's control wheel operates the ailerons

D The first officer's control wheel operates the spoilers through another cable

The amber Standby Hydraulic System LOW PRESSURE Light is armed:

A Only when the ALTERNATE FLAPS Switch is moved to ARM

Only when standby pump operation has been selected or automatic standby function is activated

With the AUTO BRAKE select switch at RTO, autobraking is initiated when:

Wheel speed 90 knots or more and thrust levers at IDLE

Stabiliser trim override switch:

A Bypasses the main electric and auto pilot cut out switches on the centre pedestal

B Overrides the main electric switch

C Isolates the stabiliser trim motor

Bypasses the control column activated stab trim cut out switches to restore power to stab trim switches

Cruising at FL370. The motorised Overboard Exhaust valve will open in flight if:

Both pack switches are in AUTO and recirculation fan is OFF

Either pack switches are in HIGH and recirculation fan is OFF

C Both pack switches are in HIGH and recirculation fan is ON

D Both pack switches are in AUTO and recirculation fan is ON

Illumination of the GEN OFF BUS light indicates:

The generator is not supplying power to its associated generator bus

B The associated generator bus is not powered

C The associated transfer bus is not powered

The IDG is not supplying power to its associated transfer bus

At what altitude will both A/Ps automatically disengage if FLARE is not armed during an ILS dual channel approach:

A 50 feet RA

B Will not disengage

350 feet RA

On which CDU page is the ground speed displayed?

A PROGRESS page 1

B PROGRESS page 2

POS REF page 2
CRUISE

Some of the indications for an engine fire warning are: MASTER CAUTION and OVHT/DET annunciator lights, ENG OVERHEAT light, Master FIRE WARN lights and the red fire switch light. There is one more indication?

A A FAULT light illuminates

B A red ENG OVERHEAT light illuminates

C The APU DET INOP light illuminates

The fire warning bell rings

If wheel spinup is not detected on landing with the speed brake ARMED the flight spoilers will deploy automatically:

A Only when the right main landing gear strut compresses

B When the ground spoilers deploy

C Flight spoilers do not deploy on landing, only ground spoilers deploy

When the air/ground system senses the ground mode (any strut compresses)

If an engine fails during flight:

A Execution of the ENGINE OUT page disengages VNAV and all subsequent performance predictions are blanked

The ENGINE OUT page cannot be executed because engine out information is informative only

During engine start the maximum time allowance for EGT indication after start lever is moved to idle is:

10 seconds

20 seconds

C 15 seconds

D Unit starter cut out

In flight with both PACK switches in HIGH:

A the left RECIRC fan will not operate

B the right RECIRC fan will not operate

both RECIRC fans will operate

both RECIRC fans will not operate

The operation of the over-wing emergency exits depends on:

A engine speed, thrust position, air/ground sensors

B engine speed, thrust position

engine speed, thrust position, air/ground sensors, door status, DC power

The Captain observes the word ROLL displayed in amber in the lower portion of the PFD during takeoff. This means:

A No F/D or autopilot roll mode has been engaged

The Captains and First Officers roll angle displays differ by 5 degrees or more

There is a second set of landing gear indicator lights on the aft overhead panel. These lights:

A Illuminate red when the relating landing gear is not down and either thrust lever is retarded to idle at a radio altitude of 800 feet or less

B Illuminate green when the landing gear is in agreement with the landing gear lever

C Illuminate red when the related landing gear is not down and locked and the gear handle is down

Are a redundant but separate set of landing gear indicator circuits and green lights

The flight crew oxygen mask EMERGENCY/TEST Selector rotated to the EMERGENCY position:

A supplies 100% oxygen under positive pressure at cabin altitudes above 4000 feet

B supplies 100% oxygen under positive pressure at cabin altitudes above 6000 feet

C supplies 100% oxygen under positive pressure at cabin altitudes above 8000 feet

supplies 100% oxygen under positive pressure at all cabin altitudes

The fuel quantity displayed on the FMC PROGRESS page is

A Wing tank fuel only

B Center tank fuel only

Total fuel onboard, as obtained from the fuel quantity indication system

What systems need pneumatic power for operation?

A Wing, Anti-ice, APU, engine starting only

B Air conditioning/Pressurisation, Wing, Anti-ice, APU only

Engine starting, air conditioning/Pressurisation, wing and engine anti-ice, hydraulic reservoirs and water tank pressurisation and TAT probe

D APU, engine starting, Air conditioning/Pressurisation only

What happens to the digital readout of the radio alt when descending below minimums?

A The dial and numbers of the radio altimeter flash green for 5 seconds

B The dial and numbers of the radio altimeter flash amber for 5 seconds

The dial and pointer of the radio altimeter flash amber for 3 seconds

As you push the TO/GA switch for an automatic go around, what is the correct FMA announciation? (Thrust : Roll : Pitch)

N1 : : TO/GA

B N1 : LNAV : TO/GA

GA : : TO/GA

Fire extinguishers provide a means of extinguishing of the engine, APU, cargo, wheel well and lavatory fires:

A Only engine fire and lavatory fires

Only engine fire, cargo, APU fire and lavatory fires

Manual IRS entries of present position or magnetic heading are normally accomplished on the:

A POS SHIFT page 3/3

B POS SHIFT page 1/3

POS SHIFT page 2/3

POS INIT page or the ISDU

What is the position of the Engine Bleed Air Switches during the secure scan flow on the parking checklist:

ON

B HIGH

C OFF

D AUTO

The aircraft is on the ground and the Flight Recorder Switch is in NORMAL:

The Flight Recorder operates when electrical power is available and with engines operating

The centre tank scavenge jet pump operates when:

Both centre tank fuel pump switches are turned off

B Either engine is operating

C The centre fuel tank is about ¾ full

The No 1 main fuel tank is about ½ full

The AC Standby Bus is powered by:

A The AC Transfer Bus No 2 under normal conditions

B The Battery Bus through the Static Inverter under normal conditions

The AC Transfer Bus No 1 under normal conditions

D The Battery through the Static Inverter with a failure of one engine driven generators

ZONE TEMP amber light illumination for CONT CAB indicates:

Both a duct temperature overheat, or a failure of both temperature controllers.

In-flight, two fuel pump LOW PRESSURE Lights for the No 1 tank illuminate. What happens to the No 1 engine?

A It will shut down due to fuel starvation

It receives fuel from the No 1 tank through the tank fuel tank bypass valve

During VNAV PATH DESCENT and below the Speed Restriction Altitude, the FMC Alerting Message OVERSPEED DISCONNECT means:

A The FMC has disengaged the autothrottles due to excessive N1

VNAV has disengaged because airspeed has exceeded FMC Speed Restriction by more than 15kts

Illumination of amber FAULT light with the overheat detector switch in NORMAL indicates:

A One of the detector loops for an engine has failed

B One detector loop for each engine has failed

C There is a fault in APU engines for cargo hold detector loops

Both detector loops for an engine have failed

The number of LE slats located on each wing are:

A 6

4

After completing the FMC CDU pre-flight action, you look at the POS INIT page again. The SET IRS POS line is missing. What is required?

A The alignment was not performed Cycle the IRSs to OFF and start a new alignment, then re-enter PPOS LAT/LONG

B Re-enter PPOS LAT/LONG into the FMC

C Return to ALIGN, then NAV and enter the PPOS LAT/LONG into the left or right IRS unit

Nothing. This is a normal indication once both IRSs have entered the NAV mode

An amber Display Source Annunciation below the speed tape indicates:

A A single EFIS control panel has been selected as the source for all six DUs

B The altimeter is receiving inputs from a source other than the ADIRU and is unreliable

A single DEU has been manually or automatically selected to all six display units

D A non-dispatchable CDS fault has occurred

Illumination of amber AUTO SLAT FAIL light that can be reset, during recall indicates:

Failure of a single stall management yaw damper (SMYD) computer

Which bus supplies electrical power to the main battery charger?

A Transfer bus 1

B AC ground service bus 1

Transfer bus 2

AC ground service bus 2

An auto relight protection is provided by EEC activating both igniters when a flameout is detected and there is a rapid uncommanded decrease in:

A Fuel flow

B N1 or N1 below idle

C EGT

N2 or N2 below idle

The ISOLATION VALVE switch is to AUTO, both engine bleeds are ON and both pack switches are in AUTO. The isolation valve:

A opens if there is AC power available

B is fully open

is fully closed

In MANUAL pressurisation mode the outflow valve is driven by?

A A motor supplied from DC bus 1

A motor supplied from DC standby bus

C A motor supplied from DC bus 2

Requires AC power from transfer bus 1

During descent from altitude you need to decrease your airspeed by using your speed brakes. What is the limit of the SPEED BRAKE LEVER position?

A ARMED

B STOWED

C GROUND DETENT

FLIGHT DETENT

Which systems use engine bleed air for operation?

A APU, engine starting, Air con/Press, Hydraulic tanks

B Wing Anti-ice, engine starting, water tank

Engine starting, Air con/Press, Wing and Engine anti-ice, Hydraulic and water tanks pressurization

The AUTO FAIL light on the cabin pressurization panel is illuminated alone:

This indicates that the alternate pressurization will automatically assume control

B Indicates you should switch the pressurization to ALTN then back to AUTO to reset the system

This indicates a dual controller failure

D Indicates the PAX OXY system has activated

Illumination of the PSEU fault light on the aft overhead panel will indicate:

A It will only come ON during the light test

B A single PSEU fault in flight only

C FWD entry door not closed

An overwing exit flight lock fails to disengage on the ground

The amber LOW PRESSURE Light for System B Electric Hydraulic Pump illuminates. What are the other indications?

A System B brake pressure drops to 100 psi

B System B hydraulic pressure drops to 1000 psi

C MASTER CAUTION, HYD annunciator and System Flight Control LOW PRESSURE Lights illuminate

MASTER CAUTION and HYD annunciator lights illuminate

Fuel for the APU is normally supplied from the:

no 1 main tank

B aux Tank

C no 2 main tank

center Tank

If the APU GEN OFF BUS light fails to illuminate by the end of the start cycle:

The FAULT light illuminates

Which hydraulic system normally powers the thrust reversers?

A Standby system

System A for engine No 1 and system B for engine No 2

A TA symbol showing on the ND has, alongside it, a down arrow and "-07". This indicates:

A The traffic is above your position

The traffic is descending at a minimum of 500fpm

Logo lights are installed on:

A Left wingtip

B Right wingtip

Top of both horizontal stablizers

The flap load relief system is operational at:

A Flaps 15, 30 and 40

B Flaps 40 only

Flaps 30 and 40

The EMERGENCY EXIT LIGHTS Switch in the ARMED position:

A Prevents activation of the emergency lights system

B Illuminates all interior and exterior emergency lights if there is a loss of electrical power on main bus No 2

C Illuminates all emergency lights, all the time

Illuminates all interior and exterior emergency lights if there is a loss of electrical power on DC bus No 1, or AC power has been turned off

The APU can supply both transfer busses:

on the ground or in the air

While performing the APPROACH chekclist the PSEU light illuminates on recall, this indicates:

A The landing gear configuration warning horn will sound upon landing

A problem exists in the PSEU system because this light should be inhibited in flight

Positioning the WING ANTI-ICE switch to ON in flight:

A Adjusts FMC displayed Vref automatically when WING-ANTI ICE switch is ON

Sets stick shaker logic for icing conditions for the remainder of flight

The decision height (DH) display on the CDS is set:

Independently by each pilot using his/her EFIS control panel

What happens if you reject a takeoff at 100 knots with Autobrakes in RTO?

A Automatic speed brake deployment when thrust levers are retarded to idle

B Automatic braking when reverse thrust selected

Automatic braking when thrust levers are retracted to idle

The aural alert for excessive bank angle is:

BANK ANGLE, BANK ANGLE

B WINGS LEVEL

C BANK ANGLE

D DON'T SINK

Once the thrust reverse auto-stow circuit is activated:

A the thrust reversers remain in the uncommanded position

B reverse thrust cannot be reselected

the isolation valve remains open and the control valve is held in the stow position

When a lavatory fire is detected:

A the OVHT/DET light on the annunciator panel illuminates

B the OVHT/DET light on the annunciator panel illuminates along with the MASTER CAUTION. The fire extinguisher operates automatically

C the OVHT/DET light on the annunciator panel illuminates along with the MASTER CAUTION. The fire extinguisher is discharged by the cabin crew

the fire extinguisher operates automatically

What is the minimum altitude (AGL) for selecting CMD on the second autopilot execute an ILS dual channel A/P approach?

800 feet

B 1500 feet

C 2000 feet

The Takeoff Configuration Warning Horn sounds if:

A Parking brake not set

B Trailing edge flaps in the 5 pos

C TOGA not pressed

Stabiliser trim is not in the green band

The brake pressure accumulator provides pressure to the brake system and:

Parking brake system

B Nose wheel steering system

C Landing gear system

D Flap system

What is the maximum flap extension altitude?

10,000ft if below 250kts

20,000ft

C 10,000ft

D 15,000ft

Which of these is indicated by the hydraulic Brake Pressure Indicator?

Maximum pressure 3500psi in amber

B Minimum pressure 3000psi in white

Maximum pressure 3500psi in white

All window heat is selected ON. The green window heat ON light for the Right Side Window extinguishes. The likely reason is:

system is at correct temperature

What are the indications that the engine starter has disengaged?

A Start switch rotates to FLT, N1 rpm 17-20% and N2 rpm stabilized

The fuel LOW PRESSURE lights extinguish with N1 rpm 56%

The start switch automatically returns to OFF, and the START VALVE OPEN light extinguishes

The Cockpit Voice Recorder (CVR) can be erased:

A Pushing erase button for 2 seconds and aircraft in flight with parking brake ON

B Pushing erase button for 2 seconds and aircraft in flight

Pushing erase button for 2 seconds and aircraft on ground with parking brake ON

What system normally provides hydraulic pressure for Nose Wheel Steering?

A System B

System A

In the PACK fail non-normal procedure, the crew selects a warmer temperature in order to:

Reduce the workload on the other pack

B Reduce the air flow through the air mix valves

Reduce the workload on the affected air conditioning pack

The maximum differential pressure is:

A 8.45 psi

B 8.65 psi

9.10 psi

D 7.90 psi

Which statement is true regarding aileron trim?

A The aileron trim never directly affects the position of the control wheel

B The amount of trim is always displayed on the scale, regardless of the autopilot state

If the autopilot is engaged, the amount of trim is not indicated on the scale

The wing-span of the 737-800 is:

A 37.95m

37.59m

C 39.75m

35.79m

To see both left and right GPS position in latitude and longitude you select:

A POS REF page 3/3

POS REF page 2/3

The aircraft is not certified for operations:

A Above 78N or below 78S

The aircraft is certified for operations at all latitudes

Above 82N or below 82S

What will occur if the aircraft pitch altitude reaches the Pitch Limit Indication (PLI) on the PFD during slow speed manoeuvring?

A The aircraft will experience initial stall buffet

B The aircraft stalls

C The stick nudger pushes the control column forward

The stick shaker warning activates

Cargo compartment smoke detection is powered from:

A DC standby bus

B AC standby bus

Hot battery bus

DC bus 1 and DC bus 2

Pushing cargo fire TEST switch:

A Test the fwd and aft cargo fire loops only

Test the fwd and aft cargo fire loops only and continuity of the extinguisher bottle squib circuit

If the autopilot ALT HOLD mode is manually overridden with control column pressure, which of the following occurs?

A LNAV disengages

B LEVEL CHANGE automatically engages

The autopilot changes to CWS P and returns to ALT HLD if control pressure released within 250 feet of selected altitude

A fast realignment should be complete in:

A 10 minutes

5 minutes

C 1 minute

30 seconds

An engine-driven hydraulic pump supplies approximately ___ times the fluid volume of an electric motor-driven hydraulic pump?

4

B 2

C 5

D 10

The ram air system deflector doors:

Extend on the ground only

B Prior to landing

If all TEMPERATURE ZONE SELECTORS are positioned to OFF:

A the left pack maintains 18 degrees, the right 24

B the packs turn off automatically

the left pack maintains 24 degrees, the right 18 degrees

What is one indication of a leak in the Standby Hydraulic System?

A Decrease in System A quantity

B Illumination of the System A LOW PRESSURE Lights

Decrease in System B quantity

Warm air from the E&E bay is:

A is recirculated into the E&E bay

B is discharged overboard at all times

diffused to the lining of the forward cargo compartment in flight at high cabin differential pressures

D is used to warm the captain's feet

Extending the airstairs using the exterior system:

A is not possible

B uses AC power

bypasses the door open requirement

bypasses the handrail and lower ladder safety circuits

After performing the FMC/CDU preflight, the flight crew notices that the ACTIVE NAV DATA base is expired and must be changed. Which will the RTE page look like after the NAV DATA base change?

A Same, no action required

B Route discontinuity will be gone, everything else remain the same

Black, requiring reloading

D The NAV DATA base cannot be changed after pre-flight

The Automatic Flight System (AFS) consists of:

A The autopilots (A/P) and the flight directors (F/D) only

The flight directors (F/D) and the autothrottles (A/T) only

C The autothrottles (A/T) and the autopilots (A/P) only

The autopilot flight directors (AFDS) and the autothrottles (A/T)

The wing-body overheat light comes on. What is the related master caution warning?

A FUEL

B OVERHEAD

AIR COND

D OVHT/DET

Under speed limiting (flashing A) appears:

A Minimum speed for current flap setting cannot be reached

The highest of all the answers

C When the speed is less than 1.3 VS for current flap setting

FMC speed or selected speed cannot be reached

After normal engine start, what should be done if the DUAL BLEED light is illuminated:

A Pack switch, affected side, OFF

Isolation valve to close, bleed air switch(es) affected side off

C Engine start lever affected side to cut off

Place the APU bleed switch to OFF

During an impending hot start the flashing white box surrounding EGT digital read out resets:

When the start lever is moved to CUT OFF or engine reaches idle N2

B Engine reaches idle N1

C At starter cutout

D When the EGT is stabilized

The EEC automatically selects approach idle in flight anytime:

A Flaps are in the landing configuration and thrust lever angle is above 34 degrees for either engine

B The aircraft descends below 15,000 feet

Flaps are in the landing configuration or engine anti-ice is ON for either engine

D Flaps are in the landing configuration or engine start switches are placed to CONT or FLT

The cross bus tie relay:

A Will trip off when AC volts reaches 26 volts (plus or minus 4 volts) as displayed on the AC voltmeter

B Must be manually opened using the BUS TRANSFER Switch during a Flight Director approach

Opens up if BUS TRANSFER switch is moved to OFF

D Normally powers the Battery Charger and backs-up TR units 1 and 2 through a diode

The amber FEEL DIFF PRESS light illuminates when the:

A Captains pilot system fails

B Flaps are not up and a pressure imbalance between Hydraulic system B and Standby system is detected.

Flaps are up and a pressure imbalance between Hydraulic Systems A and Standby system is detected.

Flaps are up or down and a hydraulic pressure imbalance is detected between hydraulic system A and B or if one of the elevator pilot systems fails

Pulling up the APU fire warning switch:

Trips the generator control relay and breaker, arms the asociated extinguisher and closes the bleed air valve, closes the fuel shutoff valve, and the APU inlet door

B Discharges the APU fire extinguisher and closes the bleed air valve

C Discharges the APU fire extinguisher

The airspeed range for speed trim operation is:

158-300 KIAS

B 100 KIAS - Mach 0.5

100 KIAS - Mach 0.6

D 100-300 KIAS

For ground service, a ground service switch is placed:

On aft overhead panel on the Flight Deck

B On external receptacle on the right side of the aircraft exterior

C On aft attendants panel

On forward attendants panel

When using halon fire extinguishing in the flight deck:

Both crew must don oxygen masks and set 100%

Both crew must don oxygen masks and set EMER

An amber CDS FAULT in the left lower corner of PFD indicates:

A A dispatchable CDS FAULT has occurred on the ground before staring second engine

B A dispatchable CDS fault (comes on 10 seconds after landing)

A non-dispatchable fault has occurred after starting both engines

A non-dispatchable fault has occurred on the ground before starting second engine

The R ELEV PITOT Light is illuminated and PROBE HEAT switches are ON. What does this indicate?

A System A hydraulic pressure is low

B System B hydraulic pressure is low

C The right elevator pitot is blocked

The right elevator pitot is not heated

Which of the following occurs when a TO/GA switch is pressed once below 2000 feet radio altitude for a automatic go-around from an ILS channel A/P approach and FLARE armed?

The autothrottle advances thrust levers to reduced go-around N1

B N1 mode is displayed on the FMA

C The autopilot disengages

D The autothrottle advances thrust levers to full go-around N1

The engine fuel shutoff valve:

A And the spar fuel shutoff valve require AC power to operate

B Is the only fuel shutoff with an associated blue light on the forward overhead fuel panel

Is controlled by both the Engine Fire Warning switch and the Engine Start Lever, however, the spar fuel shutoff valve is controlled only the Engine Start Lever

And the spar fuel shutoff valve close when the respective Engine Start Lever is placed to CUTOFF

If ON DC on left IRS mode selector unit comes ON steady it means:

The related IRS is operating on DC power from the switched hot battery bus

B The related IRS is operating on DC power from battery bus

C The related IRS is operating on DC power from the hot battery bus

The related IRS is operating on DC power from the DC bus 1

The red landing gear indication lights are illuminated under which of the following conditions?

A Landing gear is not down and locked (with either or both thrust levers retarded to idle, and below 800 feet AGL)

B Landing gear is up and locked with the LANDING GEAR lever UP or OFF

Both; Landing gear is in disagreement with LANDING GEAR lever position, and Landing gear is not down and locked (with either or both thrust levers retarded to idle, and below 800 feet AGL).

D Landing gear is in disagreement with LANDING GEAR lever position

The BLEED TRIP OFF light:

Can be reset at any time

B Indicates a primary controller for the pack has failed

C Indicates excessive pack operating temperature

Indicates excessive engine bleed air pressure or temperature

In case of an engine overheat:

A Both fire warning lights the related engine OVHT/DET system annunciator lights illuminate.

B Only the related ENGINE OVERHEAT light illuminates

C The Master caution OVHT/DET light will illuminate during Recall only

Both master caution lights, the related ENGINE OVERHEAT light and the OVHT/DET system annunciator lights illuminate

Illumination of the amber BLEED TRIP OFF light indicates what valve has automatically closed?

Engine Bleed Air valve

B Modulating and Shutoff valve

C 5th valve of the compression sector

Isolation valve

Moving the battery switch to OFF automatically shuts down the APU:

on the ground or in the air

When the STANDBY POWER Switch is OFF:

A Automatic switching is provided from normal power sources to alternate power sources

B The STANDBY PWR OFF light will be extinguished

The STANDBY PWR OFF light will be illuminated

D The Static Inverter provides 28 volt DC power to Transfer Bus No. 1

If a crossbleed start is required during in flight starting, the X-BLEED START indication will be displayed above:

A Above FF dial

Above N1 dial

Above N2 dial

D Above EGT dial

Whilst on the ground with wing anti-ice selected ON, advancing the thrust levers for take-off will cause:

Both wing anti-ice valves to close and the WING ANTI-ICE switches to remain ON

Both wing anti-ice valves to close and the WING ANTI-ICE switches to change to OFF

C Both wing anti-ice valves to open and the WING ANTI-ICE switches to remain ON

D Both wing anti-ice valves to open and the WING ANTI-ICE switches change to OFF

The wing anti-ice system provides bleed air to:

The three inboard leading edge slats

All leading edge slats

C Leading edge flaps and the three inboard leading edge slats

D Leading edge flaps and all leading edge slats

On the FMC FIX INFO page the RAD/DIS FR indicates:

A The radial and distance of your next abeam point

The radial and distance from the fix to the airplane, this information will update as the aircraft changes position

Antenna switching from tail antenna to nose antenna occurs when:

LOC frequency is selected and VOR/LOC is armed or engaged

VOR frequency is selected and VOR/LOC is armed or engaged

C VOR frequency is selected only

D LOC frequency is selected only

The ALTERNATE FLAPS Master Switch selected to ARM:

A Fully extends the LE Devices using Standby Hydraulic pressure

Arms the ALTERNATE FLAPS Master Switch, activates the Standby Hydraulic Pump, and closes the Trailing Edge Flaps Bypass valve

C Closes the Flight Spoiler Shutoff valve

The flight crew oxygen may be as high as:

A 3000psi

B 1000psi

1850psi

The End of Descent altitude on the PATH DES page is:

A The field elevation

The altitude restriction for the end of descent waypoint

C The airport reference point elevation

D The runway threshold elevation

If a landing is made with RTO selected:

A AUTO BRAKE DISARM light illuminates 2 minutes after touchdown

B Automatic braking occurs at the MAX level

C Automatic braking action occurs at the RTO level

AUTO BRAKE DISARM light illuminates 2 seconds after touchdown

Center fuel tank fuel is used before main tank fuel because:

A Center tank check valves open at a higher differential than main tank check valves

Main tank pumps cannot produce pressure until the center tank LOW PRESSURE light illuminate and center tank pumps are turned OFF

Centre tank fuel pumps produce higher pressure than main tank pumps

D Center tank check valves open at a lower differential than main tank check valves

With VNAV engaged, the AFDS pitch and A/T modes are commanded by the:

MCP

B FCC

C CWS

FMC

Pulling the No 2 ENGINE FIRE SWITCH shuts off hydraulic fluid to the:

A Electric pump in system A

B Engine driven pump in system A

C Electric pump in system B

Engine driven pump in system B

The wing ANTI-ICE:

Is used for de-icing or anti-icing when icing conditions exist

B Should be on during ground operation with temperature less than 15C and visible moisture

Is required in the climb or cruise with SAT below -40

D Should only be used in flight

If the APU GEN OFF BUS light fails to illuminate by the end of the start cycle:

A The APU failed a self test and the OVERSPEED light will illuminate

B The MAINT light illuminates

C There is no light associated with this malfunction

The FAULT light illuminates

Galley busses are powered from:

A The main busses

B The Battery bus

The generator busses

The AC transfer busses

The Crossfeed valve must be:

A Open for Takeoff

Closed for Takeoff and Landing

During V NAV PATH DESCENT and below the speed restriction altitude, the FMC alerting Message OVERSPEED DISCONNECT means:

VNAV has disengaged because airspeed has exceeded FMC speed restriction by more than 15 knots

Hydraulic pressure from system B will be used to retract the landing gear:

A After a failure of the No 1 engine hydraulic pump with landing gear still down and the landing gear lever is positioned up

B When the ALTERNATE NOSE WHEEL switch is positioned ON

C When system A pressure is low and the landing lever is positioned up

After failure of the No 1 engine with the landing gear still down and the landing lever is positioned up