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**NOTE 1:** Items such as **TECHNICAL LOG** have been omitted from this checklist because either they are not modelled or is a crew member action item, not related to a panel action.

**NOTE 2:** Items **NOT** in bold are performed by VFE (Virtual Flight Engineer) if you have it enabled (it is by default) you don't have to perform any action on those items. You can (should) check them though.

**NOTE 3:** Items in smaller italic fonts are required substeps

**NOTE 4:** [Click here to download a voice pack with this checklist](#)

**NOTE 5:** [Click here for more information about this and other Concorde Checklists](#)

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## SAFETY CHECKLIST

When the program starts, the panel loads configured with the Safety Checklist complete, ready for the Preliminary Cockpit Checklist. You can safely skip the Safety Checklist. But, it's a good idea to make sure everything is set as per the Safety Checklist.

GROUND SERVICE switch . . . . . ON

BOARDING, RACKING AREA & ROOF lights . . . . . ON

L/GEAR STANDBY LOWERING lever . . . . . GUARDED . . . . Lower Pedestal (SHIFT+7)

TRANSPONDER . . . . . STBY . . . . .

NOSE & VISOR STBY CONTROL . . . . . OFF/GUARDED . . . . Upper Pedestal (SHIFT+6)

LANDING GEAR NORMAL lever . . . . . DOWN . . . . . Main

GEAR O/RIDE . . . . . GUARDED . . . . .

VISOR/NOSE lever . . . . . AS CONFIGURATION . . . . .

AUTO IGNITION switches . . . . . OFF . . . . .Aft Overhead (SHIFT+3)

ADS/ENGINE PROBE HEATERS . . . . . OFF . . . . .

WING INTAKE ANTI-ICING TEST . . . . . OFF . . . . .

FUEL FWD TRANS switch . . . . . GUARDED . . . . .

TRIM TRANS AUTO MASTER set . . . . . OFF/GUARDED . . . . .

TANK 11 INLET VALVES sets . . . . . AUTO/OFF . . . . .

STANDBY INLET VALVES switches . . . . . SHUT . . .Upper Fuel (CTRL+SHIFT+6)

TRIM PIPE DRAIN switch . . . . . SHUT . . . . .

JETTISON PANEL COVER . . . . . CLOSED . . . . .

RAM AIR TURBINE switches . . . . . GUARDED . . . . FWD Leg (CTRL+SHIFT+1)

WINDSHIELD EMERG DE-ICE switches . . . . . OFF/GUARDED . . . . Upper Pedestal (SHIFT+6)

CIRCUIT BREAKERS . . . . . SET

# PRELIMINARY COCKPIT CHECKLIST

## **GROUND POWER . . . . . REQUEST GROUND POWER . . . . . Ground Services**

*Observe GROUND POWER AVAILABLE light (Amber) on. AC Electrics (CTRL+SHIFT+7)*

*Check Volts and Cycles of Ground Power source. Lower right corner, DC Electrics (CTRL+SHIFT+8)*

*Left -click the GROUND POWER switch to CLOSE, then release. AC Electrics (CTRL+SHIFT+7)*

*Observe general lighting up of gauges and panels.*

*Push MWS CANCEL push button and observe MWS lights off . Key command: CTRL+SHIFT+Z*

*Observe AC MAIN BUS lights are off .*

*Observe AC ESS BUS lights are off .*

*Observe DC MAIN BUS light off and DC ESS BUS lights off .*

*Verify battery selectors at BATT OFF.*

*Observe battery MIs crossline and BATT ISOLATE lights (Amber) on.*

*Observe DC ESS/MAIN split MIs inline.*

## **. . . . . ON . . AC Electrics (CTRL+SHIFT+7)**

## **EQUIPMENT BAY COOLING PANEL . . . . . CHECK/SET . . .Upper Fuel (CTRL+SHIFT+6)**

*Observe FLOW lights are off .*

*Verify Fan 2 selector and Fans 1 and 3 selector at AUTO.*

*Observe Forward Extract MI reads ON.*

*Verify Forward Supply Fans selector at NORM*

*Observe LH and RH Supply Fan MIs read ON.*

*Verify Rear Extract LH and RH Fans switches at ON and Standby Fan switch at OFF.*

*Observe LH and RH Rear Extract Fan MIs read ON.*

*Verify Forward Emergency Relief Valve switch at SHUT and MI reads SHUT.*

*Observe Forward Flow Indicator reads 0.85 to 1.1 kgs/sec*

## **AIR DATA COMPUTERS . . . . . ON . . . . . Lower Pedestal (SHIFT+7)**

*Set ADC 1 switch to ON and verify ADC 1 rotary sel at NORM*

*Set ADC 2 switch to ON and verify ADC 2 rotary sel at NORM*

## **DRAIN MAST HEATER . . . . . CHECK/SET . . . . .Aft Overhead (SHIFT+3)**

*Verify DRAIN MAST HTRS selectors OFF.*

*Observe MAST 1 MAST 2 & MAST 3 lights off .*

*Check the total air temperature gauge Upper Pedestal (SHIFT+6).*

*If TAT is above 0 degrees celcius, set DRAIN MAST HTRS to OFF.*

*If TAT is below 0 degrees celcius, set DRAIN MAST HTRS to ON.*

**INS 1, 2 & 3 . . . . . ALIGN, TEST, PRESENT POS. & LOAD ROUTE. . . . .** (Auto) CTRL+I  
. . . . . MSU 1, 2, 3 . . . FWD Leg (CTRL+SHIFT+1)  
. . . . . MSU 1 & 2 / CDU 1 & 2 . . . . . Popup (SHIFT 8 & 9)  
. . . . . CDU 3 . . . . Lower Pedestal (SHIFT+7)

*MSU 1, 2 & 3 selectors to STBY.*

*Press and hold TEST switch (CDU 1, 2 & 3).*

*Press "Remote" switch (CDU 1, 2 & 3).*

*Rotate (left -click) any selectors to POS (Position).*

*Enter current position (will be copied to the other 2)*

*Load the rout in any CDU (will be copied to the other 2)*

**Transponder/TCAS . . . . . CHECK/STBY. . . . . Lower Pedestal (SHIFT+7)**

*Verify ALT RPG switch positioned to 1.*

*Rotary selector to STBY.*

*Press TEST push button to test Transponder/TCAS system.*

*Observe LCD display ATC 1 (or 2) and 8888 and XPDR fail It illuminates.*

*Observe after a short delay TCAS display indicates Test followed by a display showing:*

*A red band 0-6000 fpm descent*

*4 aircraft symbols*

*Observe aural statement "TCAS System Test OK"*

# BEFORE START CHECKLIST

- DV WINDOWS . . . . . CLOSED . . . . . Virtual Cockpit only
- FLIGHT CONTROL INVERTERS . . . . . ON . . Forward Overhead (SHIFT+4)
- ANTI-STALL SYSTEMS . . . . . ON . . . . .
- ANTI STALL SYSTEM (SYST 1 & 2 FAIL) lights will illuminate
- RAD / INS switches . . . . . RAD . . . . . Glareshield
- INSTRUMENT TRANSFER switches . . . . . SET . . . . . Main
- QNH / AA / ALTIMETERS . . . . . SET/CROSS CHECKED . . . . .
- NAV RADIOS . . . . . SET . . . . . Glareshield
- TRANSPONDER . . . . .XPDR . . . . Lower Pedestal (SHIFT+7)
- (AFCS) . . . . . SET . . . . . HDG/TRK
- (ADF) . . . . . SET . . . . . Lower Pedestal (SHIFT+7)
- BRAKES . . . . .PARK CHECKED . . . . Upper Pedestal (SHIFT+6)

*Brakes lever at PARK. CTRL+. (period)*  
*Left and right brake pressure full scale. Main Panel.*  
*BRAKE EMERG light (yellow) on.*

- NAV LIGHTS . . . . . AS REQUIRED . . . . .Aft Overhead (SHIFT+3)
- THROTTLE MASTER . . . . .MAIN / ALT . . . . .
- GROUND HYD. CHECK OUT . . . . . YELL, YELL / OFF . . . . . Brake Controls
- FUEL HEATERS . . . . .AUTO . . .Engine Ctrl (CTRL+SHIFT+2)
- ENGINE RECIRCULATION VALVES . . . . . SHUT . . . . .
- SECONDARY AIR DOORS . . . . .AUTO . . . . .
- BATTERIES . . . . .ON / Normal . .DC Electrics (CTRL+SHIFT+8)

*Battery MIs inline.*  
*Battery isolate lights off.*

**INS 1, 2 & 3 . . . . .LOADING CHECKED NAV MODE / MIX**

- . . . . . MSU 3 . . . FWD Leg (CTRL+SHIFT+1)
- . . . . . MSU 1 & 2 / CDU 1 & 2 . . . . . Popup (SHIFT 1 & 2)
- . . . . . CDU 3 . . . . Lower Pedestal (SHIFT+7)

*Set data selector to DSTRK/STS.*

*MSUs READY NAV light is on.*

*Alignment submode is 5 or less.*

**Rotate the MSU (3) rotary selectors to NAV**

*AUTO/MAN switch at AUTO.*

- ASI BUGS, PITCH INDEX & REHEAT PLACARD . . . . . SET . . . . . Main**
- FUEL FLOW . . . . . SET . . . . .Main, Primary Engine Instruments**
- P7 BUGS. . . . . SET . . Sec Engine (CTRL+SHIFT+9)**
- CLOCK. . . . . SET . . . . . Main (& FO & Brake Controls)**

*Confirm / Set the noise abatement time and TLA bug.*

*Left -click the TIMER/CHRO switch to TIMER. (The CHRONO display zeros)*

*Rotate (left -click) the GMT selector from RUN to the SLOW position. (The countdown value will increase in the CHRONO display.)*

*When the CHRONO display value reaches the required value, rotate the GMT selector to RUN.*

- TLA BUGS (Throttle Level Angle). . . . . SET . . . . Upper Pedestal (SHIFT+6)**
- SEAT BELT SIGN . . . . . ON . . . . .Aft Overhead (SHIFT+3)**
- EMERGENCY LIGHTS . . . . .ARMED . . . . .Aft Overhead (SHIFT+3)**

*The dotted line indicates crew cannot proceed until the Loadsheet is presented by the dispatch officer and signed by the Captain. Computer printout of the weights and fuel distribution.*

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LOADSHEET ..... CHECKED

ZFW & ZFCG ..... SET/CHECKED ... Lower Fuel (CTRL+SHIFT+5)

FUEL REM. & A/C WEIGHT ..... SET/CHECKED LOAD .....

*Confirm Aircraft Weight is correct.*

LOAD LIMITS ..... SET .....

*Set tank 11 load limit controller to the FINAL TANK 11 CONTENTS from the Loadsheet. Will be adjusted to 10500 by VFE during taxi checklist.*

**START CLEARANCE FROM ATC ..... OBTAIN**

**DOOR LIGHTS ..... CHECKED .... FWD Leg (CTRL+SHIFT+1)**

**MASTER WARNING ..... RECALL ..... MWS Panel**

**ANTI-COLLISION LIGHTS . . . . . ON . . . . .Aft Overhead (SHIFT+3)**

**THROTTLES ..... IDLE ..... Upper Pedestal (SHIFT+7)**

**ENGINE FEED PUMPS ..... ON ... Lower Fuel (CTRL+SHIFT+5)**

**FLIGHT DECK DOOR . . . . . LOCKED . . . . .Aft Overhead (SHIFT+3)**

**CLEARANCE TO START FROM GROUND CREW ..... OBTAIN**

# PUSHBACK CHECKLIST

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## *Engine Debow Start*

*If more than 10 minutes and less than five hours has elapsed since the engine was last operated then it must be run in the DEBOW condition for one minute. Press CHRO to start the chronometer (Brake Controls panel) once START/RELIGHT has returned to the OFF position. Observe N2 stabilises at approximately 30%. Wait until the ENGINE DEBOW switch light (yellow) illuminates or 1 minute has elapsed since START/RELIGHT selector has returned to the OFF position*

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**IDLE SWITCHES . . . . .HI . . .Engine Ctrl (CTRL+SHIFT+2)**

**ENGINE DEBOW switches (4) . . . . . DEBOW. . . . . Forward Leg (CTRL+SHIFT+1)**

**GENERATOR SWITCHES . . . . . ON . . . . . AC ELECTRICS (CTRL+SHIFT+7)**

**ENGINE 3 START/RELIGHT SELECTOR . . . . . START . . . . . FORWARD LEG (CTRL+SHIFT+1)**

*Right-click the Engine 3 START/RELIGHT selector.*

*Observe START/RELIGHT selector is latched at START.*

*START VALVE MI reads OPEN.*

*ENGINE DEBOW switch light extinguishes.*

*START PUMP light (yellow) on. (Engine Control (CTRL+SHIFT+2)*

*N2 RPM rises. (Primary Engine Instruments)*

*When N2 is between 10-12%, switch the Engine 3 HP Valve to OPEN.*

*If not performing a DEBOW START, DEBOW switch to NORMAL after HP OPEN.*

**HP VALVE. . . . . OPEN (N2 10 - 12%). . . . . AFT OVERHEAD (SHIFT+3)**

*RH IGN or LH IGN lights (green) illuminate. Forward Leg Engine Starting (CTRL+SHIFT+1)*

*Engine shut down handle lights (red) illuminate intermittently. Forward Overhead (SHIFT+4)*

*THROT light off. Aft Overhead (SHIFT+3)*

*When N2 is at 25%...*

*Observe START/RELIGHT selector returns to OFF position.*

*Observe the START VALVE MI reads SHUT.*

*Observe the RH IGN and LH IGN lights extinguished.*

*If DEBOW START*

*DEBOW switch lit.*

*Set ENG DEBOW switch to NORMAL. ENG DEBOW switch extinguishes.*

*Observe N2 rises then returns to idle (approx. 66%).*

*Press CHRO button to reset chronometer. Brake Controls panel*

**STARTING ENGINE 2 . . . . . REPEAT LAST 3 STEPS WITH ENGINE 2**

**HYDRAULICS . . . . . SET & CHECKED . . . . . HYDRAULICS PANEL**

*Set green and blue selectors ON.*

*Observe green, yellow and blue system contents gauges pointers indicate within green band.*

*Observe Nos 3 and 2 engines L/PRESS lts (3) off.*

*Observe green, yellow and blue system pressure gauges read normal*

**BRAKE FANS . . . . . ON . . . . . BRAKE CONTROLS PANEL**

**PUSHBACK . . . . . GRND CALL . . . . . AFT OVERHEAD (SHIFT+3)**

*Right-click the GRND CALL button. The GRND CALL button will illuminate.*

*When the GRND CALL light extinguishes, this signifies that the ground power has been disconnected*

**RELEASE PARKING BRAKES . . . . . CONTROL + . (PERIOD)**

*Observe dual brakes pressure gauge to 0 (green band). Main Panel*

*Observe BRAKE EMERG light extinguishes.*

*Verify BRAKE HANDLE to NORM position. Upper Redestal (SHIFT+6)*

**START PUSHBACK . . . . . PRESS SHIFT+P THEN 1 FOR HEADING LEFT, 2 FOR HEADING RIGHT**

**STOP THE PUSHBACK . . . . . SHIFT + P**

**SET PARKING BRAKES . . . . . CONTROL + . (PERIOD)**

**OPEN THE AIR BLEED CONTROL PANEL . . . . .(CTRL+SHIFT+3)**

*Engine BLEED VALVES (4) switches OPEN.*

*CROSS BLEED Valves (4) OPEN.*

*COND (Conditioning) VALVE (4) OFF.*

**ENGINE 4 START/RELIGHT SWITCH . . . . . START . . . . . FORWARD LEG (CTRL+SHIFT+1)**

*Observe START/RELIGHT selector is latched at START.*

*START VALVE MI reads OPEN.*

*ENGINE DEBOW switch light extinguishes.*

*START PUMP light (yellow) on. (Engine Control (CTRL+SHIFT+2)*

*N2 RPM rises. (Primary Engine Instruments)*

*If not performing a DEBOW START, DEBOW switch to NORMAL after HP OPEN.*



**HP VALVE. . . . . OPEN (N2 10 - 12%). . . . . AFT OVERHEAD (SHIFT+3)**

*Observe RH IGN or LH IGN lights (green) illuminate. Forward Leg Engine Starting (CTRL+SHIFT+1)*

*Engine shut down handle lights (red) illuminate intermittently. Forward Overhead (SHIFT+4)*

*THROT light off. Aft Overhead (SHIFT+3)*

*When N2 is at 25%...*

*Observe START/RELIGHT selector returns to OFF position.*

*Observe the START VALVE MI reads SHUT.*

*Observe the RH IGN and LH IGN lights extinguished.*

*If DEBOW START DEBOW switch lit.*

*Set ENG DEBOW switch to NORMAL. ENG DEBOW switch extinguishes.*

*Observe N2 rises then returns to idle (approx. 66%).*

*Press CHRO button to reset chronometer. Brake Controls panel*

**ENGINE 1 START/RELIGHT SWITCH . . . . . START . . . . . FORWARD LEG (CTRL+SHIFT+1)**

*Observe START/RELIGHT selector is latched at START.*

*START VALVE MI reads OPEN.*

*ENGINE DEBOW switch light extinguishes.*

*START PUMP light (yellow) on. (Engine Control (CTRL+SHIFT+2)*

*N2 RPM rises. (Primary Engine Instruments)*

*If not performing a DEBOW START, DEBOW switch to NORMAL after HP OPEN.*

**HP VALVE. . . . . OPEN (N2 10 - 12%). . . . . AFT OVERHEAD (SHIFT+3)**

*Observe RH IGN or LH IGN lights (green) illuminate. Forward Leg Engine Starting (CTRL+SHIFT+1)*

*Engine shut down handle lights (red) illuminate intermittently. Forward Overhead (SHIFT+4)*

*THROT light off. Aft Overhead (SHIFT+3)*

*When N2 is at 25%...*

*Observe START/RELIGHT selector returns to OFF position.*

*Observe the START VALVE MI reads SHUT.*

*Observe the RH IGN and LH IGN lights extinguished.*

*If DEBOW START*

*DEBOW switch lit.*

*Set ENG DEBOW switch to NORMAL. ENG DEBOW switch extinguishes.*

*Observe N2 rises then returns to idle (approx. 66%).*

*Press CHRO button to reset chronometer. Brake Controls panel*

**CONFIRM BLEED VALVES . . . . . OPEN**

**SET CROSS BLEED . . . . . VALVES SHUT.**

**SET COND VALVE . . . . . ON.**

**PUSHBACK CHECKLIST . . . . . COMPLETED**

# AFTER START CHECKLIST

## **NOSEWHEEL STEERING . . . . . CHECKED . . . . . Main**

*Press the Nosewheel RESET push button.*

*NOSEWHEEL light (red) and STEERING (red) (2) lights off.*

*Set and hold (left-mouse-click to up position) TEST 1 selector.*

*Observe WHEEL light, TYRE (2) (amber) and STEERING (2) lights and NOSEWHEEL (red) light on.*

*Set and hold (right-mouse-click to down position) TEST 2 selector.*

*NOSEWHEEL and STEERING (red) (2) lights illuminate.*

## **FLIGHT CONTROL, AFCS & TRIMS . . . . . CHECKED . . . . .**

*Check elevons and rudders inline.*

*Check flight control channel MIs read M.*

**Press to cancel the MECH JAM light Forward Overhead (SHIFT+4).**

*Set ELECTRIC TRIM 2 switch to engage. **Always set ELECTRIC TRIM 2 switch first.***

*Set ELECTRIC TRIM 1 switch to engage.*

*Observe switches remain engaged.*

*Set the PITCH trim fully UP, back to NEUTRAL, then DOWN, and back to NEUTRAL.*

*Set the ROLL trim fully LEFT, back to NEUTRAL, then RIGHT, and back to NEUTRAL.*

*Set the YAW trim fully LEFT, back to NEUTRAL, then RIGHT, and back to NEUTRAL.*

*Set the O & M ELEVONS selectors, the IN ELEVONS selector & RUDDER selector to GREEN.*

*Press the RESET pbs for O & M ELEVONS, IN ELEVONS & RUDDER.*

*Observe on the FCPI channel MIs (8) read G*

*Set the O & M ELEVONS selectors, the IN ELEVONS selector & RUDDER selector to BLUE.*

*Press the RESET pbs for O & M ELEVONS, IN ELEVONS & RUDDER.*

*Observe on the FCPI channel MIs (8) read B.*

## **(AFCS) . . . . . CHECKED . . . . . Glareshield**

*Set AP1 switch to engage.*

*Press and hold Autopilot disconnect button (Z key).*

*Observe*

- AP 1 switches off ;
- AP 1 engage light extinguishes;
- AP light illuminates landing display indicator (2);
- brief audio (cavalry charge).

## **(TRIMS) . . . . . CHECKED . . . . . Upper Pedestal (SHIFT+6)**

**STAB & FEEL . . . . .ENGAGED . . Forward Overhead (SHIFT+4)**

*Set AUTO STAB No. 1 PITCH, ROLL and YAW switches to engage.*

*Set AUTO STAB No. 2 PITCH, ROLL and YAW switches to engage.*

*Observe switches remain engaged.*

*Set ARTIFICIAL FEEL No. 1 PITCH, ROLL and YAW switches to engage.*

*Set ARTIFICIAL FEEL No. 2 PITCH, ROLL*

*Observe switches remain engaged.*

**ENG ANTI-ICE / ENG SCHEDULE . . . . . AS REQUIRED . . . . .Aft Overhead (SHIFT+3)**

*If the ambient temperature is below +3°C and visibility less than 1000 metres switch on engine anti-ice immediately after start. Retain these selections until after takeoff or after any ice warnings has cancelled.*

*If icing conditions, as defined above, do not apply verify Engine anti-ice switches at OFF Aft Overhead (SHIFT+3).*

**IDLE SWITCHES . . . . .LOW . . .Engine Ctrl (CTRL+SHIFT+3)**

**DOOR WARNINGS . . . . .TESTED / OFF . . . . FWD Leg (CTRL+SHIFT+1)**

*Observe all door lights are off .*

*Press and release the DOORS TEST push button.*

*Observe DOORS lts (red) on then off .*

**ENGINE FEED PUMPS . . . . . ALL ON . . .Lower Fuel (CTRL+SHIFT+5)**

**HYDRAULICS . . . . .CHECKED . . . . . Hydraulics**

*Observe green, yellow and blue system contents gauges pointers indicate within green band.*

*Observe pumps L/PRESS lts off .*

*Observe green, yellow and blue system pressure gauges read normal.*

**(HYDRAULICS) . . . . . NORMAL . . . . .Aft Overhead (SHIFT+3)**

**ELECTRICS . . . . .CHECKED: GROUND BYPASS . . AC Electrics (CTRL+SHIFT+8)**

*Observe each KW KVAR meter indicates a normal load of 10-20 kw with 4 generators operating.*

*Observe GCB MIs show inline.*

*Set EMERG GEN selector to GRD BY-PASS.*

*Observe DC ammeters indicate loads within limits.*

*Observe BATT AMPS meters indicate within limits and steady or falling slowly.*

*BATT ISOLATE lights off .*

**GROUND EQUIPMENT . . . . .CLEAR**

**AFTER START CHECKLIST . . . . . COMPLETE**

# TAXI CHECKLIST

**VISOR / NOSE ..... DOWN / 5 DEG ..... Main**

*Right-mouse-click the handle to set the VISOR/NOSE lever to VIS/D and observe.*

*When visor is down and locked, right-mouse-click the handle again to place nose down to 5 degrees.*

*Press F7 key to bring visor & nose down incrementally.*

**LANDING/TAXI/TAXI TURN LIGHTS ..... AS REQUIRED .. Forward Overhead (SHIFT+4)**

*If lights required, set LIGHTS TAXI-TURN switches to ON. Observe taxi/turn lights on.*

*Set LIGHTS LANDING TAXI sws to EXTEND and ON. Observe EXTENDED Lt (blue) is on, landing taxi lts on.*

**BRAKES ..... CHECKED / NORM .....**

*This check is made when the aircraft is stationary.*

*Set the brake lever to NORM then to EMERG. Observe BRAKES EMERG Lt (amber) on and full scale indicated on dual BRAKES pressure gauge.*

*Set brakes control lever to NORM*

**FLIGHT INSTRUMENTS ..... CHKD / NO FLAGS .....**

**FLIGHT CONTROLS / EFC ..... CHECKED / LIGHT OFF .....**

**ANTI-SKID 'R' lights / TYRE lights ..... OFF ..... Main**

*When taxiing above 10 knots*

*Observe all R lights remain off during gentle braking and when rolling freely.*

*Observe TYRE lights off.*

**TRIMS ..... SET ..... Upper Pedestal (SHIFT+6)**

C.G. MOVEMENT . . . . . AS REQUIRED . . .Lower Fuel (CTRL+SHIFT+5)

If tank 11 contains less than the requirement

Verify tank 11 load limit controller at takeoff value.

Set tanks 5 and 7 INLET VALVE MAIN to shut.

Set the TRIM TRANS AUTO MASTER selector to REARWARD.

Observe Tank 11 quantity increasing and Tank 9 quantity decreasing.

When tank 11 quantity reaches the takeoff value

Set the TRIM TRANS AUTO MASTER sel to OFF and guarded.

Set tanks 5 and 7 INLET VALVES MAIN to AUTO.

Observe that the CG indicator shows the required takeoff CG.

Set tank 11 load limit controller to initial supersonic cruise value.

If tank 11 contains more than the requirement

Set tanks 5, 7 and 9 INLET VALVE MAIN sels to SHUT.

Verify tank 11 load limit control at take off value.

Ensure that the Standby Inlet Valves for Tanks 1, 2, 3 and 4 are set to OPEN.

When there is sufficient space in the Collector tanks to accept approximately half the excess fuel in tank 11, set the TRIM TRANS AUTO MASTER sel to FORWARD.

Observe Tank 11 quantity decreasing.

When tank 11 quantity reaches the loadsheet value

Observe CG indicator shows the required takeoff CG.

Set the TRIM TRANS AUTO MASTER to OFF and guarded.

LIMITS . . . . . SET . . . . .

ENGINE RATING MODE . . . . . TAKE-OFF . . . . .Aft Overhead (SHIFT+3)

AUTO IGNITION . . . . . ON . . . . .

**THROTTLE MASTER . . . . . CHECKED . . . . .**

*Set THROTTLE MASTER switches to ALTERN or MAIN selection.*

*Observe – all THROT lights off and engine parameters are stable.*

*Set THROTTLE MASTER switches to original selection.*

**DRAIN MAST HEATER . . . . . ON . . . . .**

ENGINE FLIGHT RATING . . . . . CLIMB . . . . .

**PRESS STATIC HEATERS . . . . . ON . . . . .**

**ADS & STBY HEATERS . . . . .Tt INHIB / ON . . . . .**

AIR INTAKES . . . . . CHECKED / SET . . . Air Intakes (CTRL+SHIFT+4)

*Set RAMP/SPILL MASTER switches (4) to AUTO and set guards.*

*Observe all AIR INTAKE panel lights off except lane in use lights (4) (green).*

*Observe AUX INLET MIs (4) read OPEN.*

**ENGINE CONTROL SCHEDULE . . . . . CHECKED . . .Engine Ctrl (CTRL+SHIFT+2)**

*Confirm ENGINE CONTROL SCHEDULE selector at AUTO.*

*Turn rotary selector to FLY-OVER (F/O) for noise abatement. NORMAL if non-noise abatement.*

**ENG 4 T/O N1 LIMITER . . . . . 88% . . . . .**

**AIR CONDITIONING . . . . . CHECKED / SET . . . . . Air Bleed & Temp Control**

*Air Bleed Control (CTRL+SHIFT+3)*

*Observe BLEED VALVES MIs (4) show inline, bleed pressure gauges (4) indicating approx. 20 psi.*

*Observe COND VALVE MIs (4) & JET PUMP MIs (4) show inline.*

*Temperature Control panel*

*Observe MASS FLOW gauges (4) indicate 3.0 to 3.5 kg/sec. approximately.*

**FUEL LP PROTECTION switch . . . . . ARMED . . .Upper Fuel (CTRL+SHIFT+6)**

*Confirm FUEL LP PROTECTION switch at ARMED.*

*Observe MIs (4) show black.*

**FUEL CONSUMED INDICATORS . . . . . CHECKED . . .Lower Fuel (CTRL+SHIFT+5)**

**ENGINE FEED PUMPS . . . . . ALL ON . . . . .**

**CROSSFEED VALVES . . . . . SHUT . . . . .**

**REVERSE ASOV's . . . . . CHECKED/18-24 DEG/NORM . . . . .Aft Leg**

*TO TEST*

- 1. Rotate ENG 1 & 4 and ENG 2 & 3 from OFF to E.*
- 2. Switch ENG 1 & 4 and ENG 2 & 3 from NORM to TEST NTRC*

*Set throttles to mid travel.*

*Observe N2's do not increase by more than 6%.*

*Set throttle levers to idle.*

*Select reverse idle on all four engines (F2 key once).*

*Buckets rotate between 27° and 37° then stop.*

*Reverses lights continue to flash.*

*N2 increases to reverse idle.*

*Cancel Reverse.*

*Buckets return to between 18° and 24°*

*Reverse lights extinguish*

*N2 at idle.*

*When TEST complete*

- 1. Rotate ENG 1 & 4 and ENG 2 & 3 from E to OFF.*
- 2. Switch ENG 1 & 4 and ENG 2 & 3 from TEST NTRC to NORM.*

**ENGINE O/HEAT . . . . . AS REQUIRED . . . . .**

**TRIM TANKS CONTENTS . . . . . CHECKED . . .Lower Fuel (CTRL+SHIFT+5)**

DE-AIR PUMPS . . . . . ON . . . . . Upper & Lower Fuel

*Set tank 10 de-air pump switch to ON.*

*Observe de-air MI reads ON.*

*Set tanks 5A and 7A PUMPS (4) to ON.*

*Verify TRANS VALVES 5A-5 switch and 7A-7 switch at SHUT.*

*Observe 5A-5 and 7A-7 MI's crossline.*

*These TRANS VALVES must remain shut during take-off and climb while tanks 5A and 7A pumps are being used for de-aeration.*

*Set tank 6 and tank 8 right-hand PUMPS switches to ON.*

*This initiates de-aeration of tanks 6 and 8. No transfer will occur as tanks 5 and 7 fuel is transferred preferentially.*

*Set tank 11 DE AIR switch to ON.*

TAKE-OFF CG switch . . . . . AS REQD . . . Engine Ctrl (CTRL+SHIFT+2)

**C.G. POSITION . . . . . CHECKED . . . . . Main or Lower Fuel**

MAIN TRANSFER PUMPS . . . . . AS REQD (FOUR ON) . . . . . Upper & Lower Fuel

**PFDIS . . . . . SET . . . . . Upper Pedestal (SHIFT+6)**

**TAXI CHECKLIST . . . . . COMPLETE**



# BEFORE TAKE-OFF

**CABIN CREW (STEWARD) CALL . . . . . 3 PRESSES . . . . . Aft Overhead (SHIFT+3)**

**LANDING LIGHTS . . . . . AS REQUIRED . . Forward Overhead (SHIFT+4)**

*For every take-off, set the TAXI-TURN light switches to ON.*

*If the main landing lights are required...*

*Set LIGHTS MAIN LANDING switches to EXTEND and ON.*

*Observe EXTENDED light (BLUE) is on.*

**TRANSPONDER . . . . . SET . . . . Lower Pedestal (SHIFT+7)**

*Confirm required ATC code displayed and mode rotary selector set to TA/RA.*

**WHEEL O/HEAT LIGHTS . . . . . OFF . . . . . Main**

**MASTER WARNING . . . . . RECALL / INHIBIT . . . . . MWS Panel**

*Press the RECALL push button.*

*Observe the master warning lights indicate the accepted system status.*

*Press the INHIBIT push button.*

*Observe the INHIBIT lights (2) (amber) on.*

**T/O MONITOR . . . . . ARMED . . . . . Main**

**REHEAT . . . . . ON . . . . Upper Pedestal (SHIFT+6)**

**. . . . . (SHIFT+F4)**

**NOZZLE OVERRIDE LIGHTS . . . . . OFF . . . . . Nozzle Override**

**PITCH INDEX . . . . . CHECKED . . . . . Main**

**BRAKE FANS . . . . . OFF . . . . . Brakes Control**

**BRAKES OVERLOAD MI . . . . . BLACK**

**BEFORE TAKE-OFF CHECKLIST . . . . . COMPLETE**

---- TAKE-OFF ----

*The call "3 – 2 – 1 – NOW!" is spoken aloud by the pilot flying (PF).*

- On "3," the ELAPS timer is set to RUN. Release brakes.
- On "NOW," the CHRO button is pressed to start the countdown timer.
- On "NOW" the throttles are slammed forward.
- Check countdown clock is counting down.

# AFTER TAKE-OFF CHECKLIST

## LANDING GEAR .....UP, LIGHTS OFF, NEUTRAL ..... Main (G)

*Observe WHEEL O/HEAT It off.*

*Set L/GEAR lever to UP (FSX key command: G)*

*Observe landing gear position indications lights go off at the end of retraction sequence.*

*The landing gear lever must be set to NEUTRAL before the visor is raised. Right-click gear handle to set neutral.*

## MASTER WARNING ..... RECALL ..... MWS Panel

*Press the RECALL push button. Observe the INHIBIT lights off and the master warning lights indicate the accepted system status.*

## LANDING LIGHTS. .... OFF / RETRACT ..... Fwd Overhead (SHIFT+4)

*Confirm Landing Lights off & retracted.*

*Extended light (Blue) off.*

*Landing taxi lights off & retracted.*

*Extended light (Blue) off.*

## ADS & STBY HEATERS ..... ON .....Aft Overhead (SHIFT+3)

## ENGINE RATING MODE ..... FLIGHT

*Verify ENG RATING MODE sws (4) to FLIGHT*

*Observe CLB light (white) on, T/O light off, CRS light off.*

## PRESSURIZATION ..... CHECKED ...Cabin Pres (CTRL+SHIFT+0)

## SECONDARY AIR DOORS ..... OPEN, LIGHTS OFF ...Engine Ctrl (CTRL+SHIFT+2)

## NOSE / VISOR ..... UP / LOCKED ..... Main

*Verify Landing Gear lever is at NEUTRAL.*

*Set Visor/Nose lever to UP.*

*Press F5 key to bring visor & nose up incrementally.*

## AFTER TAKE-OFF CHECKLIST ..... COMPLETE

# At M = 0.7 CLIMB CHECKLIST

**ALTIMETERS . . . . . SET . . . . . Main**

**FUEL TRANSFER . . . . . AFT . . .Lower Fuel (CTRL+SHIFT+5)**

*Set Trim Trans Auto Master to REARWARD.*

*Observe tank 11 inlet Valves MI's show inline.*

*Set tank 11 DE-AIR switch OFF.*

*Observe tank 11 quantity increasing and tank 9 quantity decreasing. CG is moving a?? .*

*When the CG is at 55%...*

*Set the Trim Trans Auto Master selector to OFF and guarded.*

*Observe tank 11 Inlet Valves crossline.*

*Tanks 9 & 10 pumps low pressure lights off .*

**BRAKE FANS . . . . . OFF . . . . . Brake Control**

**TAKE-OFF CG switch . . . . . NORMAL . . .Engine Ctrl (CTRL+SHIFT+2)**

**ENGINE CONTROL SCHEDULE . . . . . NORMAL . . . . .**

**SEAT BELT SIGNS . . . . . AS REQUIRED . . . . .Aft Overhead (SHIFT+3)**

**TAXI TURN LTS . . . . . OFF . . Forward Overhead (SHIFT+4)**

**NOZZLE OVERRIDE lights . . . . . OFF . . . . . Nozzle Override**

**SECONDARY AIR DOORS MIs . . . . .OPEN . . .Engine Ctrl (CTRL+SHIFT+2)**

**SECONDARY NOZZLE . . . . . MODULATING**

**CLIMB CHECKLIST . . . . . COMPLETE**

# TRANSONIC CHECKLIST

AXILIARY INLET MIs . . . . . SHUT . . . Air Intakes (CTRL+SHIFT+4)

SECONDARY NOZZLES . . . . . <15 DEG . . . Engine Ctrl (CTRL+SHIFT+2)

*Observe the SECONDARY NOZZLES indicate less than 15 deg. Supersonic flight is permitted with nozzle angles of up to 27°*

**REHEAT . . . . . ON . . . . . Upper Pedestal (SHIFT+6)**

*Advance throttle levers fully.*

*Select Reheats (CTRL+F4 X2) in symmetric pairs selected lights on.*

*Observe fuel flow increase, FT flags appear and area increase.*

**Start clock for reheat timing.**

(REHEATS in PAIRS) . . . . . CTRL+F4 x 2

FUEL TRANSFER . . . . . TRANSFER AFT . . . . . Fuel

*Set TRIM TRANS AUTO MASTER to REARWARD.*

*Observe - Tank 11 inlet valves show inline*

*- Tank 11 quantity increasing*

*- Tank 9 quantity decreasing*

*- CG moves rearward.*

*If CG position approaches 0.25% of the aft bug...*

*Set the TRIM TRANS AUTO MASTER to OFF until the CG position is midway between the forward and aft bugs, then set the TRIM TRANS AUTO MASTER to REARWARD.*

*Repeat as necessary.*

*When tank 11 quantity equals the load limit initial cruise quantity...*

*Observe - Tank 11 inlet valves MI's crossline and contents remain at initial cruise quantity.*

*- Tank 5 & 7 inlet Valves MI's inline and quantities increasing.*

*In the event of tank 5 and/or tank 7 reaching high level, the respective Inlet Valves will shut until the level falls.*

*When tank 9 quantity is approximately zero...*

*Observe - Tank 9 pumps low pressure lights on.*

*When tank 9 low pressure lights have been on steady for more than 20 seconds, set tank 9 pump switches OFF.*

*When CG position equals 59% or tank 10 is empty, set TRIM TRANS AUTO MASTER to OFF and guarded*

*Observe - Tanks 5 & 7 Inlet Valves MI's crossline.*

*Set the tank 9 and 10 load limit control to 8000kg.*

*Set the tank 11 load limit control to the load sheet (landing ballast fuel Tank 11 or zero).*

## At M = 1.0

- PRESS STATIC HEATERS ..... OFF .....Aft Overhead (SHIFT+3)
- ENGINE ANTI-ICE ..... OFF .....
- WING & INTAKE ANTI-ICING ..... OFF .....
- TRANSPARENCY DE-ICE, DEMIST ..... OFF .. Forward Overhead (SHIFT+4)

## At M = 1.1

- SECONDARY NOZZLES ..... 0.5 ... Engine Ctrl (CTRL+SHIFT+2)
- NOZZLE OVERRIDE lights ..... OFF ..... Nozzle Override

## At M = 1.3

- INTAKES ..... CHECKED ....Air Intakes (CTRL+SHIFT+4)

## At M = 1.7

- REHEAT ..... OFF ..... Upper Pedestal (SHIFT+6)

*At M1.7 or when 15 min has elapsed since reheat light up initiated.*

*Set reheats OFF in symmetrical pairs.*

*Observe engine fuel flow drops by approximately 35% and fuel flow instruments flag reads FE, reheat selected lights off.*

- (REHEATS in PAIRS) ..... CTRL+F4 x 2

- AFCS ..... SET ..... Glareshield

*Confirm that the same system AP, AT and FD are selected. FD1 & FD2 can be engaged concurrently.*

*Do not engage both autothrottles. Select one autothrottle to engage. If AP1 is engaged, engage AT1. If AP2 is engaged, engage AT2. Do not mix ATs and APs!*

--- WHEN FUEL TRANSFER IS COMPLETE ---

- FUEL TANK PRESSURE ..... CHECKED . Sec Eng Inst (CTRL+SHIFT+9)

*Above 44000 feet the air pressure in the fuel tanks will slowly increase to a maximum 1.2 psi to 1.5 psi.*

- DE-AIR PUMPS ..... OFF .....Fuel

*Set tank 10 DE-AIR pumps and tanks 6 and 8 right hand pumps to OFF.*

- TANK 9 + 10 LLC ..... SET 8,000 KG ...Upper Fuel (CTRL+SHIFT+6)

*Set this value to allow override switch to transfer fuel forward from tank 11 without a reverse transfer occurring when override switch placed back to normal.*

TANKS 5A, 7A . . . . . TRANSFER . . .Lower Fuel (CTRL+SHIFT+5)

*Set TRANS VALV 5A-5 & 7A-7 switches to OPEN.*

*Observe TRANS VALVE 5A-5 & 7A-7 MI's show inline.*

*This transfer should be made as early as possible after the completion of the trim transfer to prevent excessive kinetic heating of the fuel in tank 5A and tank 7A.*

*In the event that tanks 5 & 7 reach high levels, the respective inlet valves will close until the levels have fallen.*

*When tank 5A and tank 7A PUMPS LOW PRESSURE lights (yellow) come on set PUMPS to OFF.*

*Set TRANS VALVE 5A-5 and TRANS VALVE 7A-7 switch to SHUT and observe MI's show crossline.*

TANK 1 & 4 switch . . . . . AFT TRIM (AS REQ) . . . . .

*When fuel transfer from tank 5A into tank 5 and tank 7A into tank 7 has commenced, place the AFT TRIM switch to AFT.*

*Observe tanks 1 and 4 reduce in quantity to counteract the loss of fuel from the A tanks to maintain CG position*

*When the wing tanks 6 or 8 contain 4000 kg or less, return AFT TRIM switch to NORM.*

## **At FL500**

ENGINE FLIGHT RATING . . . . . CRUISE . . . . .Aft Overhead (SHIFT+3)

*Set ENGINE FLIGHT RATING switches (4) to Cruise.*

*Observe CRS light (white) on, CLB light off , N1, N2 and EGT values are sensibly in line.*

**TRANSONIC CHECKLIST . . . . . COMPLETE**

# DECELERATION & DESCENT CHECKLIST

*Deceleration Point - F2 key command*

*Press F2 key command at the deceleration point (supercruise), and the VFE will slowly close the throttles to 18° TLA to avoid engine surge.*

*At M 1.5, throttles reduce to 32° TLA.*

*Conditions must be met:*

- 1. Aircraft speed Mach +1.95*
- 2. AFCS set in ALT HOLD.*
- 3. The Deceleration / Descent checklist item (Warning & Landing Display Test push button) must have been pressed in the previous 10 minutes.*

**WARNING & LANDING DISPLAY . . . . . CHECKED . . . . . Main**

*Press and hold the Captains Warning & Landing Display TEST push button.*

*Observe AP light (red), AT light (red), LAND 2 and LAND 3 lights (green) and DH light (amber) on.*

*Observe brief audio warning (cavalry charge).*

**SAFETY ALTITUDE . . . . . CHECKED**

**ASI BUGS . . . . . SET . . . . . Main**

*Set the bugs to VREF, VREF + 7, VREF + 10 and VREF + 30.*

**ALTIMETERS . . . . . SET / CROSS CHECKED . . . . .**

**RADIO ALTIMETERS . . . . . DH SET . . . . .**

----- AT DECELERATION POINT -----

**ENGINE RECIRCULATION VALVES . . . . . OPEN . . . Engine Ctrl (CTRL+SHIFT+2)**

- Press ALT HOLD on the AFCS. ALT HOLD will illuminate.**
- Switch AT1 off.**
- Start the CHRONO, then press the F2 key. This sets the TLA (throttle lever angle) to 18°.**
- N2 decreases and the airspeed begins to reduce.**

*Observe the ASI (airspeed indicator). At 360 knots...*

- Engage ALT ACQ on the AFCS.**
- VERT SPEED will automatically engage on the AFCS and the aircraft will descend at the rate of 800 fpm.**

**At 350 knots...**

**Engage IAS HOLD.**

**Press ALT ACQ on the AFCS. The ALT ACQ prime light illuminates.**

**TANKS 1 & 4 . . . . . NORM . . . Lower Fuel (CTRL+SHIFT+5)**

**TANK 11 GREEN & BLUE PUMPS . . . . . OFF . . . . .**

**FUEL TRANSFER . . . . . TRANSFER FWD . . . . .**

**ENGINE FLIGHT RATING . . . . . CLIMB . . . . . Aft Overhead (SHIFT+3)**

## FUEL & CG – DESCENT

TANKS 1 & 4 . . . . . NORM

*Confirm that TANKS 1 & 4 switch is at NORM. (Lower Fuel CTRL+SHIFT+5)*

TANK 11 GREEN & BLUE PUMPS . . . . . OFF

*Set both pumps to OFF. (Lower Fuel CTRL+SHIFT+5)*

FUEL TRANSFER . . . . . TRANSFER FWD

*Set tank 9 & 10 load limit control to landing value.*

*Observe the CG position and Mach number.*

*If...*

*The CG is forward of or equal to 57.5% and speed is above M 1.5 wait until the speed reduces to M 1.5.*

*If ...*

*The CG is rearward of 57.5% and the speed is above M 1.5 set the TRIM TRANS AUTO MASTER selector to FORWARD.*

*Observe the CG moves forward*

*When the CG reaches 57.5% observe Mach number. If above M 1.5... Set the TRIM TRANS AUTO MASTER to OFF.*

*Wait until the speed reduces to M 1.5.*

## At M 1.5

*Verify the TRIM TRANS AUTO MASTER sel at FORWARD.*

*Observe the CG moves forward.*

*When the CG reaches 55%.*

*Observe Mach number.*

*If...*

*The speed is above M 0.93 set the TRIM TRANS AUTO MASTER sel to OFF until the speed reduces to M 0.93.*

*Provided a subsonic cruise leg is not planned, set the TRIM TRANS AUTO MASTER to FORWARD.*

*When tank 9 contents equal the preset load limit...*

*Observe tank 9 INLET VALVE MI's (2) show crossline and tank 5 and tank 7 INLET VALVE MI's show inline.*

*When contents of tank 5 and tank 7 are over 100kg... verify tank 5 and tank 7 PUMPS selectors and switches to ON.*

*Verify tank 11 contents are equal to the preset landing ballast quantity.*

*Observe tank 5 and tank 7 INLET VALVE MI's show crossline.*

*Set TRIM TRANS AUTO MASTER selector to OFF*

ENGINE FLIGHT RATING . . . . . CLIMB . . . . . Aft Overhead (SHIFT+3)

*Set ENG FLIGHT RATING switches (4) to CLIMB*

*Observe CLB light (white) on, CRS light off. (Main Panel)*

THROTTLES (TLA) . . . . . 32° . . . . . Upper Pedestal (SHIFT+6)

*At M 1.5 the VFE will set the TLA to 32°. This power reduction causes a marked pitch down tendency.*



## At M 1.3

**INTAKES . . . . . CHECKED . . . Air Intakes (CTRL+SHIFT+4)**

## At M 1.0

**THROTTLES . . . . . AS REQD . . . . . Upper Pedestal (SHIFT+6)**

**PRESSURIZATION . . . . . SET . . . Cabin Pres (CTRL+SHIFT+0)**

*On SYS 1 Cabin altitude selector, rotate knob B to set cursor to QNH.*

*Rotate knob A to set destination airfield height.*

*Rotate knob R to set cabin rate of descent, white dot is 400 ft/min.*

**PRESS STATIC HEATERS . . . . . ON . . . . . Aft Overhead (SHIFT+3)**

**TRANSPARENCY DE-ICE, DEMIST . . . . . ON . . Forward Overhead (SHIFT+4)**

**THROTTLE MASTER switch . . . . . OTHER SELECTION . . . . . Aft Overhead (SHIFT+3)**

*Select Throtte Control Units to other selection. If set MAIN, set ALTERN. Observe all THROT lights off. (Upper Pedestal below Reheat Controls)*

**DECELERATION & DESCENT CHECKLIST . . . . . COMPLETE**

## In-Flight Idle Reverse

**FLIGHT REV ARM button. . . . . ARM . . . . . Engine Controls Panel (CTRL+SHIFT+2).**

- *Subsonic speeds only;*
- *Below 30,000 feet;*
- *Below 370 knots;*
- *Maximum 4 minute duration.*

# APPROACH CHECKLIST

**CABIN CREW (STEWARD) CALL . . . . . "15 MINUTES"**

**TAXI TURN LTS . . . . . ON . . Forward Overhead (SHIFT+4)**

**RAD / INS switch . . . . . RAD . . . . . Glareshield**

**SEAT BELT SIGN . . . . . ON . . . . .Aft Overhead (SHIFT+3)**

**ENGINE RATING MODE . . . . . TAKE OFF . . . . .**

*Set ENG RATING MODE switches to TAKEOFF.*

*Observe T/O light (white) on, CLB light off. (Main Panel)*

**ENGINE RECIRC VALVES . . . . . SHUT . . . Engine Ctrl (CTRL+SHIFT+2)**

**ENGINE CONTROL SCHEDULE . . . . . APPROACH . . . . .**

*Rotate ENGINE CONTROL SCHEDULE selector to APPROACH.*

*Observe MID lights on. The MID schedule is used for noise abatement during approach to touchdown.*

**SECONDARY AIR DOORS switches . . . . . AUTO . . . . .**

**BRAKE FANS . . . . . OFF . . . . . Brake Controls**

**ENGINE FEED PUMPS . . . . . ALL ON . . . Lower Fuel (CTRL+SHIFT+5)**

**CROSSFEED VALVES . . . . . SHUT . . . . .**

**SSB . . . . . AS REQUIRED . . . . . AC Electrics (SHIFT+7)**

*If LAND 3 is required:*

*Set the SSB switch to OPEN.*

*Observe that the SSB MI shows crossline.*

**BATTERIES / D.C. SPLIT switch . . . . . AS REQUIRED . . . . . DC Electrics (SHIFT+8)**

*If LAND 3 is required:*

*Set the Battery selectors to ESS/MAIN SPLIT.*

*Observe ESS/MAIN SPLIT MIs show crossline.*

**FUEL / WEIGHT / CG . . . . . CHECKED . . . . . Fuel**

**ASI BUGS . . . . . UPDATE . . . . . Main**

**VISOR / NOSE . . . . . DOWN / 5 DEG . . . . . Main**

**ALTIMETERS / RADIO ALTS . . . . . QNH SET / UPDATE . . . . .**

**APPROACH CHECKLIST . . . . . COMPLETE**

# LANDING CHECKLIST

**LANDING GEAR** ..... **4 GREENS** ..... **Main**  
**NOSE** ..... **DOWN & GREEN** .....  
**BRAKES** ..... **CHECKED / NORMAL** ..... **Upper Pedestal (SHIFT+6)**  
**ANTI-SKID** ..... **CHECKED** ..... **Main**  
**AUXILIARY INLET MIs** ... .. **OPEN / X-HATCH** ... **Air Intakes (CTRL+SHIFT+4)**  
**YELLOW SYSTEM** ..... **CHECKED** ..... **Aft Overhead (SHIFT+3)**  
**LANDING CHECKLIST** ..... **COMPLETE**

# AFTER LANDING CHECKLIST

**LANDING & TAXI LIGHTS** . . . . . **AS REQUIRED** . . . . . **(SHIFT+3)**

**BRAKE FANS** . . . . . **AS REQUIRED**. . . . . **Brake Controls**

**MASTER WARNING** . . . . . **INHIBIT**

*Press CANCEL and INHIBIT push buttons.*

**NOSE** . . . . . **5 DEG**

*Select nose to 5°. Set VISOR/NOSE lever to 5°.*

**FLIGHT CONTROL INVERTERS** . . . . . **OFF INV** . . . . . **Forward Overhead (SHIFT+4)**

*Set BLUE INVERTER selector to OFF INV and observe flight control channels MI's (9) read G.*

*Set GREEN INVERTER selector to OFF INV and observe flight control channel MI's read M.*

**SSB** . . . . . **CLOSED** . . . . . **AC Electrics (CTRL+SHIFT+7)**

*Verify SSB sw CLOSE and MI inline.*

**RAMP SPILL MASTER switches** . . . . . **MAN**. . . . . **Air Intakes (CTRL+SHIFT+4)**

**INBOARD ENGINES** . . . . . **AS REQUIRED**. . . . . **Aft Overhead (SHIFT+3)**

**AUTO IGNITION** . . . . . **OFF**

*Set the AUTO IGNITION switches (4) to OFF.*

**PRESS STATIC HEATERS** . . . . . **OFF**

**ADS AND STBY HEATERS**. . . . . **OFF**

**DRAIN MAST HEATERS** . . . . . **OFF**

**WING & INTAKE ANTI-ICING** . . . . . **OFF**

*Verify WING AND INTAKE ANTI-ICING MAIN selector OFF, ALTERN selector OFF.*

*Observe INT lights (2) off, CYCLIC lights (2) OFF.*

**W/SHIELD EMERG DE-ICE switches** . . . . . **OFF / GUARDED**

*Verify the W/SHIELD EMERG DE-ICE LEFT and RIGHT sws at OFF.*

**TRANSPONDER** . . . . . **XPDR** . . . . . **Lower Pedestal (SHIFT+7)**

*Set ATC mode selector to STBY.*

**PRESSURISATION** . . . . . **CHECKED**. . . . . **Cabin Pressure (CTRL+SHIFT+0)**

*Observe GROUND PRESSURE RELIEF VALVE MI reads OPEN and SYS 1 and SYS 2 discharge valves position indicators FWD and AFT at OPEN.*

**SECONDARY AIR DOORS**.....**AUTO, SHUT & LTS OFF** . **Engine Control (CTRL+SHIFT+2)**

**BATTERY/DC SPLIT switches**.....**ON / NORMAL** . . . . **DC Electrics (CTRL+SHIFT+8)**

*Verify that the Battery selectors are at BATT ON.*

**BRAKE TEMP lights** . . . . . **CHECKED**. . . . . **Brake Controls**

TANK 9/10 SHUT DOWN FUEL. . . . . 4,000 KG

*Controlled by Virtual Fuel Engineer*

*Observe Tank 9 contents are 4,000Kg or more.*

*If tank 9 contains less than 4000Kg and fuel is available in tank 1,2,3 and 4: -*

*Verify Tank 11 INLET VALVES MI's show crossline (OFF)*

*Verify Tank 5 & 7 MAIN INLET VALVES MI's show crossline (OFF)*

*Verify JETTISON MASTER VALVES MI's show crossline*

*Set Tank 9 MAIN INLET VALVES selector to OPEN*

*Set tanks 1,2,3 and 4 jettison valves to open*

*Observe Tank 9 quantity increasing.*

*When tank 9 contents reach 4000Kg.*

*Set tanks 1, 2, 3 and 4 jettison valves switches shut*

*Set tank 9 MAIN INLET VALVE AUTO*

**AFTER LANDING CHECKLIST . . . . . COMPLETE**

# PARKING CHECKLIST

## **BRAKES. . . . . PARK**

*Set brakes control lever to PARK.*

*Observe BRAKES pressure gauge indicating full scale and BRAKES EMERG light (amber) on.*

## **LIGHTS & TRANSPARENCIES. . . . . OFF / RETRACT: OFF . . . . .Forward Overhead**

*Set the MAIN LANDING LIGHTS, LANDING-TAXI LIGHTS and TAXI-TURN LIGHTS to RETRACT and OFF.*

*Verify WINDSHIELD DE-ICE selectors OFF.*

*VISOR DE-ICE switches at OFF.*

*DV DEMIST switches at OFF.*

## **NOSE / VISOR . . . . . AS REQUIRED**

*Set NOSE/VISOR lever to UP.*

*Observe NOSE MI reads UP and VISOR MI reads UP.*

## **EMERG GENERATOR selector. . . . . AUTO. . . . . DC Electrics (CTRL+SHIFT+8)**

## **BATTERIES . . . . . ON**

## **GROUND POWER . . . . . ON . . . . . AC Electrics (CTRL+SHIFT+7)**

## **GENERATOR SWITCHES . . . . . OFF . . . . . AC ELECTRICS (CTRL+SHIFT+7)**

*Observe GRND POWER AVAILABLE It (amber) on. Request Ground Power if not lit. Check source is acceptable before applying to aircraft. Shut down both right generator before connecting ground power. Set ground power switch to CLOSE and release and generator sels of live generator(s) to off.*

## **HP VALVES . . . . . SHUT . . . . .Aft Overhead (SHIFT+3)**

*Before shutting, ensure engines have had sufficient cool down time (normally 5 mins at idle).*

*Retard throttle levers to idle. Set HP VALVE switches (4) to SHUT.*

*Observe HP valve MI's (4) read SHUT and engine(s) run down.*

## **THROTTLE MASTERS . . . . . OFF**

*Set THROTTLE MASTER selectors to OFF.*

## **ANTI-COLLISION lights. . . . . OFF**

## **FASTEN SEAT BELTS. . . . . OFF**

## **ENGINE ANTI-ICING . . . . . OFF**

## **AUTO IGNITION . . . . . OFF**

*Verify all switch selections are at OFF.*

## **GROUND CONDITIONING . . . . . AVAILABLE**

*Connect Ground Air.*

## **AIR BLEED CONTROL . . . . .SHUT (CONTROL+SHIFT+3)**

**FUEL PANEL . . . . . GROUND STATE**

*Set ENGINE FEED PUMPS sws (12) to OFF.*

*Verify fuel panel in ground state.*

*Tank 9 INLET VALVE MAIN selectors at AUTO, O/RIDE selectors at OFF*

*Tank 9 PUMP selectors at AUTO*

*Tank 10 DE-AIR switch at OFF*

*Tank 10 PUMP selectors at AUTO*

*TRIM TRANS AUTO MASTER selector OFF and guarded*

*Tank 11 INLET VALVES MAIN selectors at SHUT, O/RIDE selectors at OFF*

*Tank 11 PUMP selectors (4) at AUTO*

*Tank 11 DE-AIR switch at OFF*

*STANDBY INLET VALVES switches (9) at SHUT*

*Tanks 5A and 7A PUMPS switches at OFF*

*TRIM PIPE DRAIN switch at SHUT*

*TRANS VALVE 5A-5 and 7A-7 switches at SHUT*

*Tanks 5 and 7 PUMPS selectors at OFF*

*Tank 5 and 7 INLET VALVE MAIN selectors at AUTO, O/RIDE selectors at OFF*

*Tanks 6 and 8 PUMPS at OFF*

*INTER CON VALVE (6-7) and (5-8) switches at SHUT*

*Fuel Jettison transparent cover shut and JETTISON MASTER VALVES MI's (2) crossline.*

**BATTERIES . . . . . BATT OFF . . . . . DC Electrics (CTRL+SHIFT+8)**

*Set the Battery selectors to BATT OFF*

*Observe*

*Battery Isolate lights (amber) on.*

*Battery MIs show crossline.*

*MWS ELEC amber on.*

**INS. . . . . POST FLT INFO**

**TRANSPONDER . . . . . STANDBY . . . . . Lower Pedestal (SHIFT+7)**

**BRAKE FANS . . . . . AS REQUIRED. . . . . Brake Controls**

**FLIGHT DECK DOOR . . . . . UNLOCKED**

**PARKING CHECKLIST . . . . . COMPLETE**

## STOPOVER CHECKLIST

*This check must be performed whenever the planned turnaround time is greater than four hours.*

**FLIGHT CONTROL INVERTERS (STAB, ARTIFICIAL FEEL, TRIM & ANTI-STALL) . . . . PWR OFF**

**INS. . . . . OFF**

**AIR DATA COMPUTERS. . . . . OFF**

**AIR COND VALVE . . . . .OFF**

**GROUND POWER . . . . .AS REQUIRED**

*Set ground power sw to TRIP and release. Observe GRND PWR AVAILABLE It on, cockpit panels are electrically dead.*

**EMERGENCY lights . . . . . OFF**

**STOPOVER CHECKLIST. . . . . COMPLETE**

## FLIGHT ENGINEER'S PANEL CHECKLIST

CABIN TEMPERATURE . . . . . STABLE

CG . . . . . CHECKED

TRIM TRANSFER . . . . . CHECKED

FUEL TRANSFER . . . . . SAFE

ENGINE FEED PUMPS . . . . . ALL ON

CROSSFEED . . . . . SHUT

JETTISON SYSTEM . . . VALVES SHUT/ COVER CLOSED

EMERGENCY GENERATOR . . . . .NORM / GRD BYPASS

LEAVING PANEL CHECKLIST . . . . . COMPLETE