MAJESTIC MJC8 Q400 with FS2CREW STANDARD OPERATIONS

🇬🇧 f l y u k

FLIGHTDECK POWERUP

Circuit Breakers ....Check both sides
Radar... OFF
DC battery switches .... All ON
Main bus tie .... TIE
Interior lighting .... Set as required
Position Lights .... ON
Flight Deck Displays...All ON
STBY/PTU Pumps...OFF
Parking brake ....PARK
GPU ....CONNECT
(speak 'GROUND FLIGHTDECK' then 'PLEASE CONNECT EXTERNAL POWER')
External power switch...when connected, ON
DC battery switches .... All OFF
Safety equipment & documents..Checked
FMS..Initialize

PRE-FLIGHT PREPARATION

FSX ....Reset flight to get into the correct configuration
(if running the default panel state)
MJC control panel............................... Load passengers, baggage and fuel, send data
Sky Track .... Fetch bookings, start recording
Fs2crew ....Open main panel, select RUN PF
GSX..Request catering, fueling
(open SB-side doors)

PRE-FLIGHT PROCEDURES

*(** only if first fight of day for plane or crew)*
Interior lighting .... Set as required
Landing gear alternate extension door...Open, check, close
Landing gear alternate release ....Check closed
Oxygen masks ....Check
ATC.. Check ATIS
(COM1 radio ON, tune ATIS and copy, then OFF)
MFD ....Doors and Electrical
(MFD1 to SYS, press DOORS, MFD2 to NAV then SYS)
DC battery switches ....All OFF
AC and DC GEN switches .... ON
Main bus tie .... TIE

Engine intake doors.. OPEN
Flight data recorder...Test **
ELT .... Test, then ARMED
APU .... **Power up
(press PWR, preform fire test, then depress)

APU fire detection...**Test
ENG fire detection..**Test
Baggage smoke warning..**Test
Pressurization panel...Set landing ALT
MAN/DUMP ....AUTO
FWD outflow knob ....Fully counter clockwise
Wing inspection lights ....As required
Position lights.. ON
Logo light ....As required
Emergency lights .... ARM
Fasten seatbelt switch.. ON
No smoking switch ....ON
Caution/Advisory lights .... Test
PACK switches..AUTO
Bleed flow controller... MIN
RECIRC switch ....ON
Bleeds 1 and 2..OFF
De-misters/Side vents .... OPEN
ADC 1 & 2...**Test
Stall warning 1 & 2 ....**Test
Nose wheel steering..OFF
Flight/Taxi switch ....TAXI
NAV source selector...................................... Purple or Blue needles (FMS/Raw data)
Yaw damper .... ARMED
HSI SEL .... Set to pilot flying
GPWS ....Set return to land flap setting
Autofeather...**Test
Parking brake ....PARK
Control lock...ENGAGE
Power levers ....DISC
Condition levers .... FUEL OFF
ARCDU .... ON, set volumes
Elevator trim ....**Test
Elevator trim ....Set for T/O
Rudder trim... Set 8 clicks right for T/O

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

FMS .... Enter flight plan and fuel
(enter FPL, check route, open FUEL page, enter values)
GSX... Request boarding (T+25min)
Fs2crew .... When asked to start boarding, **speak 'YES'** *(T+24min)*
Fs2crew .... When FO returns, DEP BRIEF (T+15min)
DC battery switches .... All ON
APU .... ON
(press PWR then START, wait 1min, GEN, wait 2min, BL AIR)
External power .... When APU online, OFF
GPU .... DISCONNECT
(Speak 'GROUND FLIGHTDECK', then 'PLEASE DISCONNECT EXTERNAL POWER')
ATC.. Request departure clearance (T+10min)
ARCDU .... Enter squawk, tune COM/NAV for departure
FMS... Enter departure
FGCP .... Set initial HDG/ALT, select HDG and ALT SEL
Fs2crew .... When handed load sheet, **speak 'THANK YOU'** *(T+7min)*
MFD .... Set for departure
(set V-Speeds, set QNH, MDA current +1000ft)
Integrated Standby Instrument .... Set QNH
Fs2crew .... Welcome PA
(mode selector to PA, press PA, select PA/or announce, then VHF1)

24h SYSTEMS CHECK CHECKLIST **

When ready, **speak '24 HOUR SYSTEM CHECK CHECKLIST'** *(T+3min)*

Engine Fire Detection .... TEST
APU Fire Detection .... TEST
Baggage Smoke Warning... TEST
Stall Warning Test 1 & 2 .... TEST
ADC 1 & 2 .... TEST
Autofeather... TEST
GPWS/TCAS.. TEST
PA system.. TEST
Trims .... TEST

BEFORE START PROCEDURE

Gear Pins	STOWED
HYD #3 ISO:	Activate momentarily, check pressure
Nose wheel steering	OFF
Parking brake	PARK, check PSI
Power levers	DISC
Condition levers	FUEL OFF

BEFORE START CHECKLIST

When ready, **speak 'BEFORE START CHECKLIST'** *(T+2min)*

Originating Checks Flow	COMPLETE
Gear Pins	STOWED
Preflight Checks	COMPLETE
EXT PWR/APU Voltage	ON, CHECKED 26 VOLTS
Circuit Breakers	CHECKED
Escape Hatch	CLOSED
Nose Steering	OFF
Flight Guidance Control Panel	SET
Fuel Quantity	____ KILOGRAMS REQUIRED
HYD #3 Pressure	CHECK, 3000 PSI
EMERG BRAKE/Pressure	PARK, CHECKED
Power Levers	DISC
Condition Levers	FUEL OFF
EMER LIGHTS switch	ARM
FASTEN BELTS switch	ON
Departure Briefing	COMPLETE

BEFORE START PROCEDURE *continued*

When told cabin ready, **speak 'THANKS'** *(T+1min)*

Doors and fueling on light	Check closed and out
DC battery switches	All ON
Anti-collision light	RED
RECIRC switch	OFF
APU bleed	OFF
ATC	*Request pushback and engine start*

MAJESTIC MJC8 Q400 with FS2CREW STANDARD OPERATIONS

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ENGINE START CHECKLIST

When cleared, speak 'ENGINE START CHECKLIST TO THE LINE'

Battery MSTR/MAIN/AUX/STBY .... ON
Doors/Fueling Lights .... CLOSED AND OUT
Anti-Collision Light .... RED
GSX...Request pushback

When PB-crew is set up, speak 'BELOW THE LINE'

APU bleed .... OFF
Engine .... CLEAR ON TWO
Parking brake...When told, RELEASE

ENGINE START PROCEDURES

Once pushback starts, speak 'START TWO FOR ME PLEASE'

Parking brake...When told, PARK
ED..Monitor engine values
Condition levers ....ENG 2 stable, set 2 to MAX
MFD ....Monitor electrical values

When cleared by PB-crew, speak 'START ONE FOR ME PLEASE'

ED..Monitor engine values
Condition levers ....ENG 1 stable, set 1 to MAX
(leave in START/FEATHER if long taxis anticipated)
MFD ....Monitor electrical values

AFTER START PROCEDURE

APU .... OFF
(press GEN, wait 1min to cool, then PWR)
RECIRC switch .... ON
Main bus tie .... OFF
Ice protection...**Test
(All ON, then as required (OFF if SAT >10°C or ON/OPEN if SAT <10°C)
Airframe mode selector .... OFF
PROP heat .... AS REQUIRED
Engine intake doors.. AS REQUIRED
REF SPEEDS INCR .... OFF
PITOT heat switches .... All ON
Windshield heat.. AS REQUIRED
Pilot side window heat... AS REQUIRED
Rudder ....Check travel
Rudder actuator ....**Test

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

(RUD1 off, check travel, then RUD 2 off, check travel)

Nose wheel steering...ON
MFD ....Set to NAV

AFTER START CHECKLIST

When ready, speak 'AFTER START CHECKLIST'

EXT PWR / APU.. OFF
MAIN BUS TIE.. OFF
Ice Protection.. CHECKED, LEVEL 1 / LEVEL 2
Rudder Travel..FULL TRAVEL
Rudder Actuator Test ** ....COMPLETE
Nose Steering .... ON
Autofeather...AUTO FEATHER SELECT
Engine Rating .... NTOP SET, CHECKED
Batteries... CHECKED
Flaps... FIVE SET, INDICATING
AUX/STBY/PTU Pumps .... ON
HYD Press/Qty.. CHECKED
HYD #3 & Elevator .... CHECKED
Caution/Warning Lights .... CHECKED
Flight Inst/Radio .... CHECKED
Altimeters .... ___ SET, CROSSCHECK
Ice Protection Test ** ....COMPLETE

TAXI PROCEDURE

ATC..Request taxi clearance
When ready, speak 'CLEAR ON THE LEFT'

Taxi light..ON
(set to OFF if giving way to other plane during taxi)
Parking brake .... Release
Brakes .... Test once moving
Exterior lights ....ON when crossing RNW
Condition levers* ....MAX
(set to MAX 1min prior to takeoff of RNW crossing)
Takeoff warning .... Test

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

BEFORE TAKEOFF PROCEDURE

Flight/Taxi switch .... FLIGHT
Wing inspection lights .... ON
Anti-collision light .... WHITE
Trims .... Verify 3 set
ATC... Request takeoff clearance

BEFORE TAKEOFF CHECKLIST

When ready, speak 'BEFORE TAKEOFF CHECKLIST TO THE LINE'

FA Notification ....RECIEVED
Takeoff Briefing...COMPLETE
Cabin PA...COMPLETE
Condition Levers ....MAX
Trims ....3 SET
T/O WARN TEST .... TESTED
Flight Controls..CHECKED, FREE
FLIGHT / TAXI ....FLIGHT
Radar.. TERRAIN
Transponder/TCAS .... ON, ALT
When cleared on to runway, speak 'BELOW THE LINE'
Bleeds .... MIN
External lights ....ON
Runway .... RUNWAY ___, paus, HEADING ___

TAKEOFF PROCEDURE

Set takeoff power...CHECK POWER
When FO calls '80 knots' ....CHECK
When FO calls 'Positive rate' .... GEAR UP
At 400ft AGL...SELECT NAV or SELECT HDG SELECT
At acceleration alt .... FLAPS 0, IAS 185, CLIMB CHECKLIST TO THE LINE
(IAS 160 in mountainous terrain)
When flaps UP...AUTOPILOT ON
At 2500ft AGL...SET IAS 210
Passing transition altitude .... 1013 SET, CROSSCHECK
Passing 10.000ft .... PROPS 900, BELOW THE LINE
At cruise altitude...............................SELECT PROPS 8FIFTY, then SET CRUISE POWER
Fs2crew.. Cruise PA
(mode selector to PA, press PA, select PA/or announce, then VHF1)
FMS.....................................Calculate TOD *(open VNAV page, enter as needed)*

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

DECENT PROCEDURE

(start around 50-100nm prior to TOD)

ARCDU ....Tune destination ATIS frequency and copy

Standby altimeter .... Set destination airport QNH

FGCP ....Set altitude and course

(G/S intercept altitude, select ALT SEL, set COURSE to RNW heading)

MFD ....Set for arrival

(check weight on FMS/PERF page, set V-Speeds, set MDA)

(DH for LOW VIZ CAT II only)

FMS...Enter arrival, then speak 'CROSSFILL FMS'

ARCDU .... Set COM and NAV for arrival

Fs2crew .... Open Brief panel, select PLAY ARR BRIEF

FGCP ....At TOD+2min, select VNAV

(MFD shows VNAV ALERT)

Fs2crew .... TOD PA

(mode selector to PA, press PA, make TOD PA, then VHF1)

DECENT CHECKLIST

Passing T/D, speak 'DECENT CHECKLIST TO THE LINE'

Fuel balance ....CHECK

Pressurization ....SET

Cabin PA...COMPLETE

Fasten seatbelts switch .... ON

Approach & landing briefing ....COMPLETE

Passing 10.000ft, speak 'BELOW THE LINE'

GPWS landing flaps ....SELECTED

Fuel Transfer .... OFF

HYD Press/Qty...CHECK

Caution/Warning Lights ....CHECK

APPROACH/FLARE Lights.. ON

REF SPEEDS Switch/Bugs..OFF, SET

F/A Notification..COMPLETE

Passing transition level, set local QNH then speak '___ SET, CROSSCHECK'

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

APPROACH AND LANDING PROCEDURE

(start around 10nm prior to FAF)

Speed .... Reduce to 180KIAS
Flaps.. when below 200KIAS, speak 'FLAPS 5'
Speed .... Maintain 170 KIAS
MFD .... On intercept HDG, speak 'SELECT BLUE NEEDLES'
MFD ....At LOCALIZER capture, speak 'ARM APPROACH'
When FO calls 'Glideslope alive'............................speak 'GEAR DOWN REDUCE N P'

BEFORE LANDING CHECKLIST

When glideslope is alive, speak 'FLAPS 15 BEFORE LANDING CHECKLIST'
Landing Gear ....DOWN, 3 GREEN
Condition Levers ....MAX
AUX / STBY / PTU Pumps... ON
Bleeds .... OFF, MIN
F/A Notification..COMPLETE
Flaps.. INDICATING 15, PLANNED 15 (35*)

APPROACH AND LANDING PROCEDURE *continued*

FGCP .... Set missed approach altitude
(or speak 'SET MISSED APPROACH ALTITUDE ____')
Speed .... Reduce to landing speed
Flaps*.. when below 158KIAS, speak 'FLAPS 35'
After GPWS callout '1000' and before 'MINUMUMS', speak 'AUTOPILOT OFF'
At GPWS callout '500', A/C must be stable, if yes, speak 'STABLE', if not, go-around
When FO calls '100 above' ....speak 'CHECK'
At GPWS callout 'MINIMUMS', speak 'CONTINUE' if the lights in sight,
or speak 'LANDING' if runway is in sight, if not, go-around

AFTER LANDING PROCEDURE

Vacate runway and hold, speak 'AFTER LANDING CHECKLIST'
GSX...Select parking
Approach and flare lights ....OFF
Taxi lights: ....ON
Wing inspection lights:..OFF
Anti-collision light ....RED
Flight/Taxi switch: ....TAXI

If NO runway crossings required or after runway crossing during taxi,

speak 'ENGINE NUMBER 1 START FEATHER'

Condition levers .... set 1 to FUEL CUTOFF

(Once 30 sec cool-down reached)

PARKING PROCEDURE

Prior to lining up for parking, speak 'SET TAXI LIGHT TO OFF'

Parking brake ....PARK
Power levers ....DISC
Condition levers .... Set 2 to START/FEATHER
Nose wheel steering... OFF

PARKING CHECKLIST

When ready, speak 'PARKING CHECKLIST TO THE LINE'

Taxi Light .... OFF
EMERG Brake ....PARK
Nose Steering .... OFF
STBY/PTU PUMPS.. OFF
Power Levers..DISC
Condition Levers .... START FEATHER
Transponder... STANDBY
FASTEN BELTS switch .... OFF
Bleeds .... MIN, OFF

GPU ....CONNECT
(speak 'GROUND FLIGHTDECK' then 'PLEASE CONNECT EXTERNAL POWER')
External power switch.. ON

Once power is established

Condition levers .... set 2 to FUEL CUTOFF
DC battery switches .... All OFF
Anti-collision light .... OFF

speak 'BELOW THE LINE'

DC battery switches .... All OFF
EXT PWR/APU .... EXTERNAL POWER IS ON APU IS OFF
Condition Levers .... FUEL OFF
Lights...SET
EMER LIGHTS switch .... OFF
Battery MSTR/MAIN/AUX/STBY .... OFF

PARKING PROCEDURE *continued*

GSX... *Request de-boarding*
Sky Track ....*Stop recording, submit PIREP*

SECURING PROCEDURE

(only if final flight of day for the plane)

Emergency lights ....OFF
RECIRC switch ....OFF
Ice protection..OFF
Anti-skid ....OFF
FMS, ARCDU and displays ....OFF
Interior and exterior lights: ....OFF
External power ....OFF

ENGINE START / NO PUSHBACK

When ready, speak 'GROUND, FLIGHTDECK' then
'WE ARE READY FOR ENGINE START'
When cleared by ground crew, speak 'STARTING TWO'

Engine start selector ....Set to 2
Start selector.. PUSH
Condition Lever ....set 2 to START/FEATHER
(at first indication of N1)
ED...Monitor engine values
MFD ....Monitor electrical values
Check engine clear, speak 'CLEAR ON ONE, STARTING ONE'
Engine start selector ....Set to 1
Start selector.. PUSH
Condition Lever ....set 1 to START/FEATHER
(at first indication of N1)
ED...Monitor engine values
External power switch...OFF
GPU .... DISCONNECT
(Speak 'GROUND FLIGHTDECK' then 'PLEASE DISCONNECT EXTERNAL POWER')
Once disconnected, speak 'YOU ARE CLEARED TO DISCONNECT
AND GO TO HAND SIGNALS'
Condition levers ....Engines stable, set both to MAX
(leave in ENG1 in START/FEATHER if long taxi is anticipated)

MAJESTIC MJC8 Q400 with FS2CREW
STANDARD OPERATIONS

REJECTED TAKEOFF

To initiate a Rejected Takeoff, speak 'STOP'

Brakes .... Apply maximum
Power levers .... BETA if needed

When the aircraft fully stopped

Parking Brake ....PARK
Power levers ....DISC
Fs2crew ....RTO or Evacuation PA
(mode selector to PA, press PA, select PA/or announce, then VHF1)
'FLIGHT ATTENDANTS AND PASSENGERS PLEASE REMAIN SEATED' then 'RETURNING TO GATE'
if evacuation is required
'THIS IS THE CAPTAIN, EVACUATE, EVACUATE, EVACUATE'
ATC..Notify
If returning to the gate, speak 'AFTER LANDING CHECKLIST'
if going again, speak 'LETS TAXI BACK TO THE RUNWAY'
Fs2crew ....mode to 'BEFORE TAKEOFF' or 'AFTER LANDING'

GO-AROUND PROCEDURE

Advance throttles to the rating detent, press GA button on the power levers
Speak 'MISSED APPROACH, CHECK POWER, FLAPS 10 (35)'
When FO calls 'Positive rate' .... 'GEAR UP'
At 400ft AGL...'SELECT HDG SELECT' then 'AUTOPILOT ON'
ATC..Notify
At acceleration alt .... 'FLAPS 0, IAS 185, CLIMB CHECKLIST TO THE LINE'
(IAS 160 in mountainous terrain)
Fs2crew ....GO-AROUND PA
(mode selector to PA, press PA, select PA/or announce, then VHF1)
Fs2crew ....mode to 'BEFORE LANDING'
or continue to the alternate airport