

# Dassault Falcon 50

## Microsoft Flightsimulator 2002

Model and bitmaps Yannick Lavigne  
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## Pre-Start Checklist

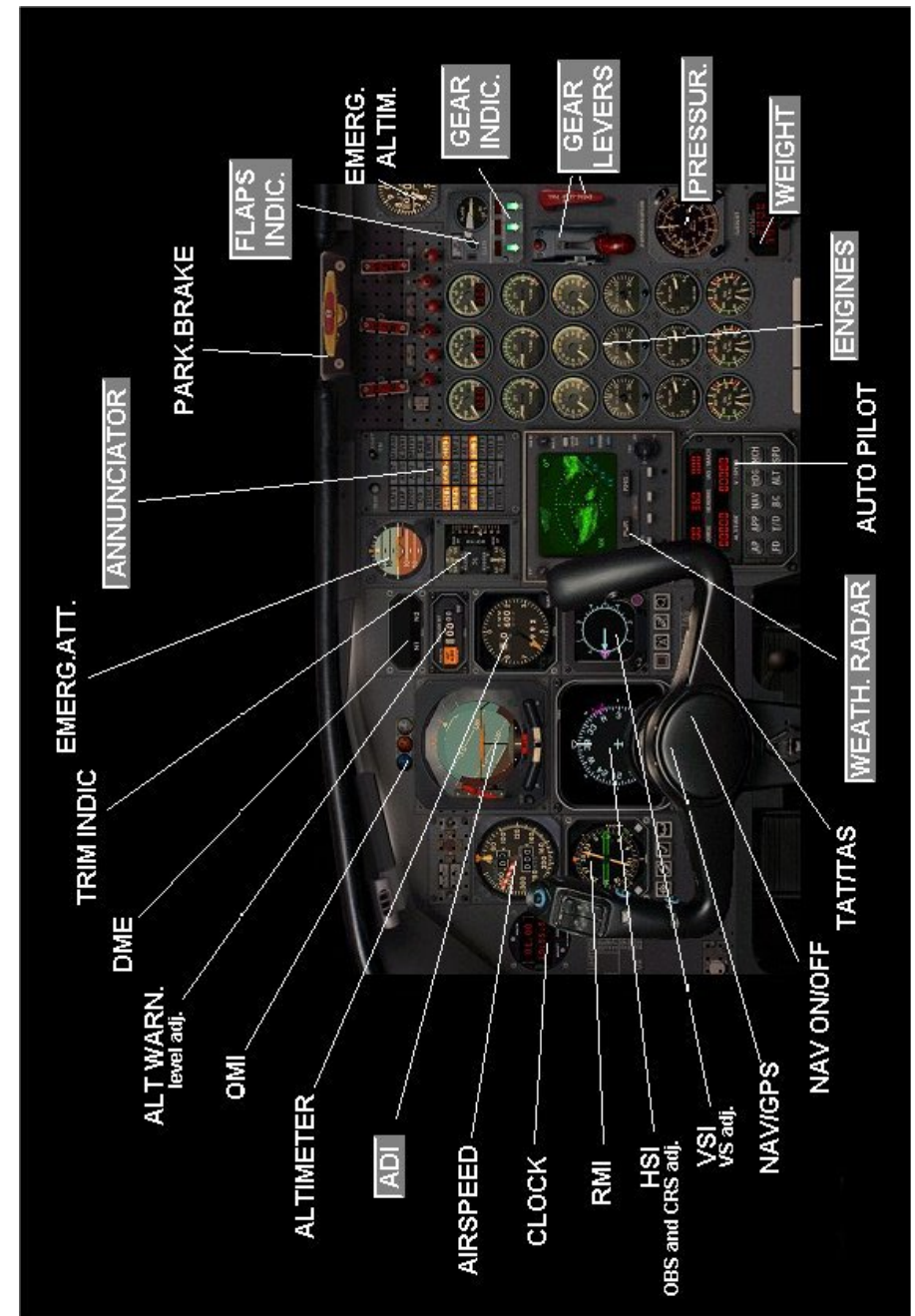
Parking Brakes	SET
Throttle	IDLE
Landing Gear Lever	CHECK DOWN
Battery Switches 1-2	ON
Generator Switches 1-2-3	OFF
Motor Switches 1-2-3	OFF/STOP
Inst/Panel Lights	ON
Interior Lights	ON
Fuel Quantity	CHECK
Gross Weight Counter	SET
Transfer Pumps 1-2-3	OFF
Fuel Boost Pumps 1-2-3	OFF
L + R Crossfeeds	CLOSED
Inverters	OFF
Bleed Air / Aircondition	OFF
Slats + Flaps	RETRACT
Spoilers	RETRACT
Flight controls	CHECK
Elevator Trim	SET for takeoff
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)

## Request Clearance

Transponder	SET
Anticollision Lights	ON

## Startup Checklist

Engine Area	CLEAR
Throttle	IDLE
Bus Tie	TIED
Bus C + D	ON
Fuel Boost Pumps 1-2-3	ON
Motor Switches 1-2-3	ON
#2 Engine Start Button	HOLD until 50% N2
	Oil pressure 25-46 psi
#2 Generator Switch	ON





#3 Engine Start Button

HOLD until 50% N2  
Oil pressure 25-46 psi  
ON

#3 Generator Switch

#1 Engine Start Button

HOLD until 50% N2  
Oil pressure 25-46 psi  
ON

#1 Generator Switch

Bus Tie

NORMAL

Transfer Pumps 1-2-3

ON

Inverters

ON

Bleed Air / Aircondition

ON

Anti-Ice

ON

### Before Taxi Checklist

Fasten Seat Belts

ON

No Smoking Sign

ON

Nav Lights

ON

Taxi Lights

ON

Heading Indicator / Altimeter

SET

Instruments

NORMAL OPERATION

Avionics

SET FOR DEPARTURE

Autopilot

SET and OFF

### Request Taxi Clearance

### Taxi Checklist

Yaw Damper

OFF

Parking Brake

RELEASE

Brakes

CHECK during taxi

Directional Gyro

PROPER IND. during turns

Artificial Horizon

ERECT during turns

Taxi to assigned runway

SPEED max. 20 kts N1=31%

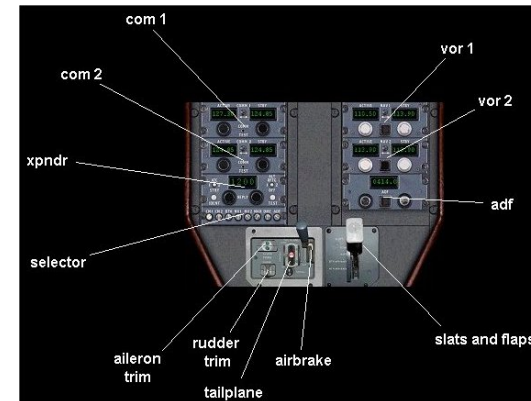
## Before Take-off Checklist

Parking Brake	SET
Weather Radar	ON
Pitot Heat	ON
Landing Lights	ON
Fuel Quantity	CHECK
Throttle	IDLE
Elevator Trim	SET for takeoff
Slats + Flaps	20 deg
Spoilers	RETRACTED
Flight Controls	FREE AND CORRECT
Engine/Flight Instruments	CHECK
Radios and Avionics	SET
Takeoff Data (V1, Vr, V2, Vfr)	CHECK

### *Request Takeoff Clearance*

## Take-off Checklist

Smoothly increase thrust to	40% N1 let spool up
Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	115 KIAS (decision)
Vr = V2 =	125 KIAS (rotate)
Pitch	15 deg. nose up
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
At Vfr = 140 KIAS	RETRACT Slats + Flaps
Yaw Damper	ON
Spoilers	VERIFY RETRACTED
Anti-Ice	AS REQUIRED



The engine instruments are arranged engine 1, 2, 3 from left to right and can be somewhat difficult to read due to their small size. The rows, from the top down, are:

- N1 % with digital display
- ITT degrees Celsius
- N2 %
- Fuel Flow PPH
- Fuel Quantity Lbs X 1000
- Oil Temperature degrees



## Climb-out Checklist

Autopilot	CHECK and SET
Set Speed bug after activating SPD autothrottle !!!	
Taxi Lights	OFF
Landing Lights	OFF
Fasten Seat Belts	OFF
No Smoking Sign	OFF
Below 10000' max. speed	250 KIAS
Above 10000' max. speed	280 KIAS
Engine Instruments	MONITOR
<b>ATC</b>	<b>AS REQUIRED</b>

## Cruise Checklist

At Transition Altitude (FL180) set Altimeter to	29,92" (1013mb)
Accelerate to cruise speed	FL180 0.72 mach
	FL240 0.76 mach
	FL280 0.80 mach
	FL330 0.80 mach
Service Ceiling	33'-35'000 ft
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required

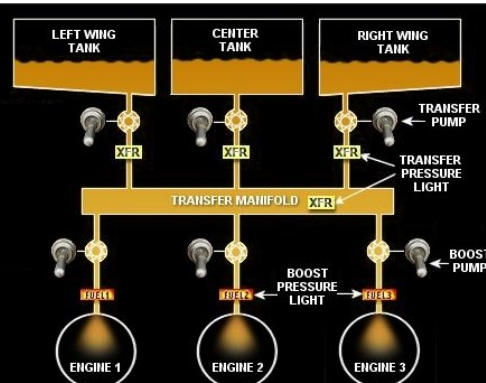
## Descent Checklist

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Anti-Ice	AS REQUIRED
Descent Speed	to FL240 0.76 mach
	to FL180 0.72 mach
At Transition Altitude (FL180) reset Altimeter to local	to FL120 300 KIAS
	below 10000ft 250 KIAS
Fuel Quantities and Balance	CHECK

Fuel is transferred from each tank through a transfer pump into a common transfer manifold. There is a transfer pressure light for each pump which indicates the pump not operating or out of fuel, and another light is located near the windshield switches which lights to indicate low pressure in the transfer manifold. This means no pumps operating or out of fuel. The transfer pumps are not required for ground operation. The transfer intercom switches do not operate.

From the transfer manifold fuel is fed to each engine through a boost pump and there is another set of low pressure lights (fuel 1, fuel 2, fuel 3) located on the annunciator panel which indicate pumps not operational or out of fuel. The boost pumps must be on and providing fuel or the engines will not operate.

The Crossfeed switches transfer fuel between the wing tanks, the left switch transfers left to right and vice versa. If both switches are on fuel transfers both ways with no net effect.



## Approach Checklist

### *Localizer Level Flight :*

Fasten Seat Belts	ON
No Smoking Sign	ON
Avionics + Radios	SET
Auto Spoilers	ARM
Speed: Establish	185 KIAS
Landing Lights	ON
Slats	down
Speed: Establish	160 KIAS
Flaps	20 deg
Speed: Establish	145 KIAS
Landing Gear	DOWN
Turning toward runway: set flaps	48 deg

### *Final Glideslope Descent :*

Speed: Establish	130 KIAS
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

## Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Autothrottle (SPD)	OFF
Yaw Damper	OFF
Landing Speed	125 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Spoilers	VERIFY EXTENDED
After touchdown	Apply Reverse Thrust, at 60 KIAS Cancel Reverse Thrust
Brakes	AS REQUIRED

## Taxi To Ramp

Slats + Flaps	RETRACT
Spoilers	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Anti-Ice	OFF
Pitot Heat	OFF
Transponder	1200
Weather Radar	OFF
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED

## Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Taxi Lights	OFF
Nav Lights	OFF
Motor Switches 1-2-3	OFF/STOP
Fuel Boost Pumps 1-2-3	OFF
Avionics Master Switch	OFF
Bleed Air / Aircondition	OFF
Inverters	OFF
Transfer Pumps 1-2-3	OFF
Generator Switches 1-2-3	OFF
Fasten Seat Belts	OFF
No Smoking Sign	OFF
Anticollision Lights	OFF
Interior Lights	OFF
Inst/Panel Lights	OFF
Battery Switches 1-2	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF