

PMDG 737 Checklist

PMDG 737-Flight Checklist

PREFLIGHT - GATE

Electrical Power UP For External Power

Item	Expected State
BATTERY switch	Guard Closed
STANDBY POWER switch	Guard Closed
ALTERNATE FLAPS master switch	Guard Closed
Windshield WIPER selector(s)	Park
ELECTRIC HYDRAULIC PUMPS switches	OFF
LANDING GEAR lever	Down
Landing Gear 3 Green Lights	ON
Landing Gear 3 Red Lights	OFF
GRD POWER AVAILABLE	Illuminated
GRD POWER	ON
SOURCE OFF lights	OFF
TRANSFER BUS OFF lights	OFF
STANDBY PWR OFF	OFF

Electrical Power UP For APU Power

Item	Expected State
BATTERY switch	Guard Closed

Item	Expected State
STANDBY POWER switch	Guard Closed
ALTERNATE FLAPS master switch	Guard Closed
Windshield WIPER selector(s)	Park
ELECTRIC HYDRAULIC PUMPS switches	OFF
LANDING GEAR lever	Down
Landing Gear 3 Green Lights	ON
Landing Gear 3 Red Lights	OFF
Engines and APU Fire Switches	IN
OVERHEAT DETECTOR switches	Normal
Test Switch	Hold FAULT/INOP
MASTER CAUTION	Illuminated
OVHT/DET	Illuminated
FAULT light	Illuminated
APU DET INOP	Illuminated
Test Switch	HOLD OVHT FIRE
Fire Warning Bell	Sounding
MASTER FIRE WARN lights	Illuminated
MASTER CAUTION lights	Illuminated
OVHT/DET annunciator	Illuminated
Engines and APU Fire Switches	Illuminated
MASTER FIRE WARN light	Either Captain F/O push
MASTER FIRE WARN light	Lights Extinguished
Fire Warning Bell	Not sounding
Engines and APU Fire Switches	Illuminated
ENG 1 AND 2 OVERHEAT	Illuminated
Test Switch	Release
EXTINGUISHER TEST switch	Position 1 hold
three green extinguisher test lights	Illuminated
EXTINGUISHER TEST switch	Release
three green extinguisher test lights	OFF
EXTINGUISHER TEST switch	Position 2 hold

Item	Expected State
three green extinguisher test lights	Illuminated
EXTINGUISHER TEST switch	Release
three green extinguisher test lights	OFF
Suitable Fuel Pump	ON
APU Switch	START
APU GEN OFF BUS	Illuminated
APU GENERATOR Bus Switches	ON
SOURCE OFF lights	OFF
TRANSFER BUS OFF lights	OFF
STANDBY PWR OFF light	OFF
APU MAINT light	OFF
APU LOW OIL PRESSURE light	OFF
APU FAULT light	OFF
APU OVERSPEED light	OFF
Wheel Well Fire Detection System	Test
Test Switch	HOLD OVHT FIRE
Fire Warning Bell	Sounding
MASTER FIRE WARN lights	Illuminated
MASTER CAUTION lights	Illuminated
OVHT/DET annunciator	Illuminated
BELL CUTOUT switch	Push
MASTER FIRE WARN light	Lights Extinguished
Fire Warning Bell	Not sounding
Wheel Well Fire warning light	Illuminated
Test Switch	Release

Preliminary Preflight Procedure

Item	Expected State
IRS mode selectors	OFF then NAV
ON DC lights	On and then OFF

Item	Expected State
ALIGN lights	Illuminated
PSEU light	Verify extinguished
GPS light	Verify extinguished
SERVICE INTERPHONE switch	OFF
REVERSER lights	extinguished
ENGINE CONTROL lights	extinguished
EEC switches	ON
PASSENGER OXYGEN switch	Guard closed
PASS OXY ON light	extinguished
Landing gear indicator lights	Verify illuminated
Flight recorder switch	Guard Closed
Mach Airspeed Warning Test Switches	Push one at a time
Stall Warning Test Switches	Push one at a time
Hydraulic quantity	Check
engine oil quantity	Check
Manual gear extension access door	Closed
Parking Brake	As needed
CDU Preflight Procedure	Complete

Preflight Procedure Overhead

Item	Expected State
FLIGHT CONTROL switches	Guards Closed
LOW PRESSURE lights	Illuminated
Flight SPOILER switches	Guards Closed
YAW DAMPER switch	ON
YAW DAMPER light	OFF
Standby hydraulic LOW QUANTITY light	OFF
Standby hydraulic LOW PRESSURE light	OFF
ALTERNATE FLAPS master switch	Guard Closed
ALTERNATE FLAPS position switch	OFF

Item	Expected State
FEEL DIFF PRESS light	OFF
SPEED TRIM FAIL light	OFF
MACH TRIM FAIL light	OFF
AUTO SLAT FAIL light	OFF
VHF NAV transfer switch	Normal
FMC transfer switch	Normal
IRS Transfer Switch	Normal
SOURCE selector	Auto
CONTROL PANEL select switch	Normal
ENG VALVE CLOSED lights	illuminated dim
SPAR VALVE CLOSED lights	illuminated dim
FILTER BYPASS lights	OFF
CROSSFEED selector	OFF
VALVE OPEN light	OFF
FUEL PUMP switches	OFF
fuel pump LOW PRESSURE	ON
BATTERY switch	Guard closed
CAB/UTIL power switch	ON
IFE/PASS switch	ON
STANDBY POWER switch	Guard closed
Verify STANDBY PWR OFF BAT DISCHARGE TR UNIT and ELEC Lights	OFF
Generator drive DISCONNECT switches	Guards closed
DRIVE lights	Illuminated
BUS TRANSFER switch	Guard closed
TRANSFER BUS OFF SOURCE OFF GEN OFF BUS lights	Illuminated
Engines and APU Fire Switches	IN
OVERHEAT DETECTOR switches	Normal
Test Switch	Hold FAULT/INOP
MASTER CAUTION	Illuminated
OVHT/DET	Illuminated
FAULT light	Illuminated

Item	Expected State
APU DET INOP	Illuminated
Test Switch	HOLD OVHT FIRE
Fire Warning Bell	Sounding
MASTER FIRE WARN lights	Illuminated
MASTER CAUTION lights	Illuminated
OVHT/DET annunciator	Illuminated
Engines and APU Fire Switches	Illuminated
ENG 1 AND 2 OVERHEAT	Illuminated
Wheel Well Fire warning light	Illuminated
MASTER FIRE WARN light	Either Captain F/O push
MASTER FIRE WARN lights	extinguish
Fire Warning Bell	Not sounding
Engines and APU Fire Switches	Illuminated
ENG 1 AND 2 OVERHEAT	Illuminated
Wheel Well Fire warning light	Illuminated
Test Switch	Release
EXTINGUISHER TEST switch	Position 1 hold
three green extinguisher test lights	Illuminated
EXTINGUISHER TEST switch	Release
three green extinguisher test lights	OFF
EXTINGUISHER TEST switch	Position 2 hold
three green extinguisher test lights	Illuminated
EXTINGUISHER TEST switch	Release
three green extinguisher test lights	OFF
Suitable Fuel Pump	ON
APU Switch	START
APU GEN OFF BUS	Illuminated
APU GENERATOR Bus Switches	ON
SOURCE OFF lights	OFF
TRANSFER BUS OFF lights	OFF
STANDBY PWR OFF light	OFF

Item	Expected State
APU MAINT light	OFF
APU LOW OIL PRESSURE light	OFF
APU FAULT light	OFF
APU OVERSPEED light	OFF
EQUIPMENT COOLING switches	NORM
OFF lights	OFF
EMERGENCY EXIT LIGHTS switch	Guard closed
NOT ARMED light	OFF
FASTEN BELTS switch	Auto or ON
Windshield WIPER selectors	PARK
WINDOW HEAT switches	ON
PROBE HEAT switches	OFF or Auto if equipped
WING ANTI ICE switch	OFF
ENGINE ANTI ICE switches	OFF
COWL ANTI ICE and COWL VALVE OPEN	OFF
ENGINE HYDRAULIC PUMPS switches	ON
LOW PRESSURE lights	Illuminated
ELECTRIC HYDRAULIC PUMPS switches	OFF
OVERHEAT AND LOW PRESSURE lights	OFF/Illuminated
AIR TEMPERATURE source selector	As needed
TRIM AIR switch	ON
ZONE TEMP lights	OFF
Temperature Selectors	As needed
RAM DOOR Full Open Lights	Illuminated
RECIRCULATION FAN switches	AUTO
Pack Switches	AUTO or High
Isolation Valve Switch	OPEN
Engine Bleed Switches	ON
APU Bleed Switch	1 Minute after APU start ON
Dual Bleed Light	Illuminated
PACK TRIP OFF lights	OFF

Item	Expected State
Wing Body Overheat Lights	OFF
Bleed Trip Off Light	OFF
AUTO FAIL light AND OFF SCHED DESCENT Light	OFF
FLIGHT ALTITUDE	Set to Cruize Altitude
LANDING ALTITUDE	Set to Destinaton Field Altitude
Pressurization Mode Selector	AUTO
ALTN light AND MANUAL light	OFF
LANDING light switches	Retract and OFF OR OFF if LED
RUNWAY TURNOFF light switches	OFF
TAXI light switch if Installed	OFF
Ignition select switch	IGN L or R
ENGINE START switches	OFF or AUTO
LOGO light switch	As needed
POSITION light switch	As needed
ANTI COLLISION light switch	OFF
WING illumination switch	As needed
WHEEL WELL light switch	As needed

Preflight Procedure MIP

Item	Expected State
MCP Courses	SET
FLIGHT DIRECTOR switches	ON First the PF side
MINIMUMS reference selector	Radio or Baro
MINIMUMS selector	Set decision height or altitude reference
FLIGHT PATH VECTOR switch	As Needed
METERS switch	As needed
BAROMETRIC reference selector	IN or HPA
BAROMETRIC selector	Set local altimeter setting
VOR/ADF switches	As needed
Mode selector	MAP

Item	Expected State
CENTER switch	As needed
Range selector	As needed
TRAFFIC switch	As needed
WEATHER RADAR	OFF
Map switches	As needed
Oxygen	Test and Set
ELECTRONIC FLIGHT BAG if Equipped	Set as Needed
Clock	Set as Needed
MAIN PANEL DISPLAY UNITS selector	NORM
LOWER DISPLAY UNIT selector	NORM
TAKEOFF CONFIG light	OFF
CABIN ALTITUDE light	OFF
Disengage light TEST switch	Hold to 1
A/P light AND A/T light FMC light	illuminated steady amber
Disengage light TEST switch	Hold to 2
A/P light AND A/T light	illuminated steady red
FMC light	illuminated steady amber
FLAP INHIBIT switch	Guard closed
GEAR INHIBIT switch	Guard closed
TERRAIN INHIBIT switch	Guard closed
INOP light	OFF
LANDING GEAR lever	DN
Landing Gear 3 Green Lights	Illuminated
Landing Gear 3 Red Lights	OFF
AUTO BRAKE select switch	RTO
AUTO BRAKE DISARM light	OFF
ANTISKID INOP light	OFF
N1 SET Selector	AUTO
SPEED REFERENCE selector	AUTO
Master LIGHTS TEST and DIM switch	TEST
NOSE WHEEL STEERING switch	Guard closed

Item	Expected State
STAB OUT OF TRIM Light	OFF
Standby instruments	Set

Preflight Procedure Pedestal

Item	Expected State
SPEED BRAKE lever	DOWN Detent
Reverse thrust levers	DOWN
Forward thrust levers	Closed
Flap Lever	UP confirm Flaps 0 indicated
FLAP LOAD RELIEF Light	OFF
Engine start levers	CUTOFF
STABILIZER TRIM cutout switches	NORMAL
CARGO FIRE panel Only on first flight of the day	Check
DETECTOR SELECT switches	NORM
TEST switch	PUSH
Fire Warning Bell	Sounds
FIRE WARN lights	Illuminated
FIRE WARN light	Either Captain or F/O Push
FIRE WARN lights	OFF
Fire Warning Bell	Silent
Green EXTINGUISHER test lights	Illuminated
FWD and AFT lights	Illuminated
DETECTOR FAULT light	Illuminated
DISCH light	Illuminated
VHF communications radios	SET
VHF NAVIGATION radios	Set for Departure
Audio control panel	Set
ADF radios	SET if needed
WEATHER RADAR panel	Set
Transponder panel	Set

Item	Expected State
STABILIZER TRIM override switch	Guard Closed

Preflight Checklist

Item	Expected State
Oxygen	Tested 100%
Navigation transfer and display switches	Normal, Auto
Window Heat	ON
Pressurization Mode Selector	AUTO
Flight Instruments	Check Heading and Altimeter
Parking Brake	Set
Engine start levers	CUTOFF

Before Start Procedure

Item	Expected State
IAS/MACH selector	Set V2
LNAV if Needed	ARM
VNAV if needed	ARM
Initial HDG	SET
Initial Altitude	SET
Exterior doors	Closed
Fuel panel	Set
Electric HYDRAULIC PUMP switches	ON
ANTI COLLISION light switch	ON
Trim	Set

Before Start Checklist

Item	Expected State
Flight Deck Door	Closed and locked

Item	Expected State
Fuel	Quantity Check Pumps ON
Passenger Signs	AUTO/ON
Windows	Locked
MCP	Read Speed, Heading and Altitude set
Takeoff Speeds	Check V1, Vr and V2
CDU Preflight	Complete
Rudder and aileron Trim	Free and 0
Taxi and Takeoff briefing	Completed
Anti collision light	ON

Engine Start

Item	Expected State
Air conditioning PACK switches	OFF
ENGINE START switch for starting Engine	GRD
At 25%N2 Engine start lever	IDLE

PREFLIGHT - TAXI OUT

Before Taxi Procedure

Item	Expected State
GENERATOR 1 and 2 switches	ON
PROBE HEAT switches	ON
WING ANTI ICE switch	As Needed
ENGINE ANTI ICE switches	As Needed
PACK switches	Auto
ISOLATION VALVE switch	Auto
APU BLEED air switch	OFF
ENGINE START switches	CONT or AUTO

Item	Expected State
Engine start levers	Idle Detent
Flap Lever	TO Flaps
Transponder	As needed
Recall	Check

Before Taxi Checklist

Item	Expected State
GENERATORS	ON
Probe Heat	ON
Anti Ice	As required
Isolation Valve	AUTO
Engine Start Switches	CONT or AUTO
Recall	Checked
Autobrake	RTO
Engine Start Levers	IDLE Detent
Flight Controls	Checked
Ground Equipment	Clear

FLIGHT - RUNWAY

Before Takeoff Checklist

Item	Expected State
Flaps	_, Green Light
Stabilizer Trim	Check Units

FLIGHT - CRUISE

After Takeoff Checklist

Item	Expected State
Engine Bleeds	ON
Packs	Auto
Landing Gear	UP and OFF
Flaps	UP no lights

FLIGHT - DESCENT

Descent Checklist

Item	Expected State
Pressurization	LAND ALT
Recall	Checked
Autobrake	As required
Landing Data	VREF and Minimums
Approach Briefing	Complete

LANDING - APPROACH

Approach Checklist

Item	Expected State
Altimeters	SET

LANDING - TOUCHDOWN

Landing Checklist

Item	Expected State
Engine Start Switches	CONT or AUTO
Speedbrake	Armed
Landing Gear	Down Three Green
Flaps	_ Green Light

LANDING - TAXI IN

After Landing Procedure

Item	Expected State
Speed Brake Lever	Down
APU	As needed
Probe Heat Switches	OFF or AUTO
Exterior Lights	As Required
ENGINE START switches	OFF or AUTO
WX Radar	OFF
Auto Brake	OFF
Flap Lever	0
Transponder	As Required

LANDING - GATE

Shutdown Procedure

Item	Expected State
Parking Brake/Chocks	As Required
if APU needed after APU start, APU GENERATOR OFF BUS	Illuminated
APU GENERATOR bus switches	ON
If External power needed GRD POWER AVAILABLE light	Illuminated

Item	Expected State
GRD POWER switch	ON
Engine start levers	CUTOFF
FASTEN BELTS switch	OFF
ANTI COLLISION light switch	OFF
FUEL PUMP switches	OFF/As Required for APU
CAB/UTIL power switch	ON
IFE/PASS switch	ON
WING ANTI ICE switch	OFF
ENGINE ANTI ICE switches	OFF
ENGINE HYDRAULIC PUMPS switches	ON
ELECTRIC HYDRAULIC PUMPS switches	OFF
RECIRCULATION FAN switch	As Needed
ISOLATION VALVE switch	Open
Engine BLEED air switches	ON
APU BLEED air switch	ON
Exterior lights switches	As needed
FLIGHT DIRECTOR switches	OFF
Transponder mode selector	As needed

Shutdown Checklist

Item	Expected State
Fuel Pumps	OFF
Probe Heat	OFF
Hydraulic Panel	SET
FLAPS	UP
Parking Brake	As required
Engine Start levers	CUTOFF
Weather Radar	OFF

Secure Procedure

Item	Expected State
IRS mode selectors	OFF
EMERGENCY EXIT LIGHTS switch	OFF
WINDOW HEAT switches	OFF
Air conditioning PACK switches	OFF

Secure Checklist

Item	Expected State
IRS	OFF
Emergency Exit Lights	OFF
Window Heat	OFF
Packs	OFF

Power Down Procedure

Item	Expected State
APU or Ground Power Switches	OFF
If APU was operational Wait	2 Minutes
Battery	OFF

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