



P180 Avanti II

Quick Reference Handbook

Revision: 03
Date: Monday 4th May, 2015

This document must not be used in real aviation.

Sections:

NORMAL CHECKLIST

I

COLD AND DARK	1.1
ENGINE STARTUP	1.2
PRE-TAXI	1.3
TAXI	1.3
PRE-TAKEOFF	1.4
AFTER-TAKEOFF	1.4
CLIMB	1.5
CRUISE	1.5
FLIGHT LEVEL CHANGE	1.5
DESCENT	1.6
LANDING	1.7
AFTER LANDING	1.7
SHUTDOWN	1.8

ABNORMAL CHECKLIST

II

HIGH SPEED LANDING	2.1
OVERWEIGHT LANDING	2.1
LANDING GEAR UNSAFE – FAILURE TO RETRACT	2.2
LANDING GEAR UNSAFE – FAILURE TO EXTEND	2.2

EMERG CHECKLIST

III

EMERG – ENGINE FIRE IN FLIGHT	3.1
-------------------------------	-----

EMERG – ENGINE FIRE ON GROUND 3.2

EMERG – ENGINE FAIL IN FLIGHT 3.3

- Intentionally left blank -

P180 II	NORMAL CHECKLIST	REV. 03 05/04/2015	1.01
---------	------------------	-----------------------	------

COLD AND DARK	
PARK BRAKE	ON
BATTERY	ON
BATTERY VOLTAGE	CHECK
AVIONICS	ON
ANNUNCIATORS TEST	PRESS
NAV LIGHT	ON
FUEL	CALCULATED & REFUELED & CHECKED
ATC CLEARENCE FOR FLIGHT PLAN	OBTAINED
FMC	SET
RADIOS	SET
CABIN PRESSURE	SET
V-SPEEDS	CALCULATED

ENGINE STARTUP

DOORS CLOSED
FASTEN BELTS SIGNS ON
ATC CLEARENCE FOR ENGINE STARTUP OBTAINED
THROTTLE IDLE
BEACON LIGHT ON
FUEL PUMP 1 & 2 ON

For each engine first eng.2 then eng.1:

ENGINE AREA CLEAR
FUEL VALVE ON
ENGINE IGNITION START (hold 10 s.)
ENGINE PARAMETERS CHECK & WAIT STABILIZED
ENGINE GENERATOR ON

IGNITER 1 & 2 ON
PROP SYNC ON
BLEED AIR BOTH

PRE-TAXI	
INVERTER 1 & 2	ON
WINDOW HEAT	ON
PITOT HEAT	ON
ENGINE/WING HEAT	AS REQ.
AUTOPILOT	SET

TAXI	
TAXI LIGHT	AS REQ.
PARK BRAKE	OFF
GROUND SPEED	BELOW 20 kt
During taxi:	
BARO	SET
FLAPS	MID
TAKEOFF TRIM	SET
AUTOBRAKES	RTO
HYD PRESSURE	CHECK

PRE-TAKEOFF

ANNUNCIATORS NO ERRORS

FLAPS CHECK

During lineup:

LANDING LIGHTS ON

STROBE LIGHTS ON

TRANSPONDER TA/RA

ATC CLEARENCE FOR TAKEOFF OBTAINED

AFTER-TAKEOFF

GEAR UP/NO LIGHTS

TAXI LIGHTS OFF

@ 150kt:

FLAPS UP

CLIMB

@ 10.000ft / FL100:

PRESSURIZATION CHECK INCREASING
IGNITER 1 & 2 OFF
LANDING LIGHTS OFF
FASTEN BELTS OFF

@ 15.000ft / FL150:

FUEL PUMP 1 & 2 OFF

CRUISE

CONDITION LEVERS SET
AUTOPILOT CHECK
FUEL CHECK

FLIGHT LEVEL CHANGE

CABINE PRESSURE SET
CONDITION LEVERS SET
AUTOPILOT SET

DESCENT

ENGINE HEAT ON
WING HEAT AS REQ.
LANDING WEIGHT CALCULATED
DECISION HEIGHT SET

@ 10.000ft / FL100:

IGNITER 1 & 2 ON
FUEL PUMP 1 & 2 ON
AUTOBRAKE SET
LANDING LIGHTS ON
FASTEN BELTS ON

@ 5.000ft / FL050:

ENGINE HEAT OFF
WING HEAT AS REQ.
CONDITION LEVERS ON

@ 2.000ft:

LANDING GEAR DOWN
FLAPS CHECK AS REQ.
TAXI LIGHT AS REQ.

LANDING

LANDING GEAR DOWN 3 GREEN
FLAPS DOWN
ATC CLEARENCE FOR LANDING OBTAINED

AFTER LANDING

STROBE LIGHTS OFF
TRASPONDER STBY/AS REQ.
FLAPS UP
WING HEAT OFF
BLEED AIR OFF
IGNITER 1 & 2 OFF
AUTOPILOT OFF

SHUTDOWN

PARK BRAKE ON
LANDING & TAXI LIGHT OFF
PITOT HEAT OFF
WINDOW HEAT OFF
INVERTER 1 & 2 OFF
PROP SYNC OFF

For each engine first eng.1 then eng.2:

ENGINE GENERATOR OFF
FUEL VALVE OFF
ENGINE IGNITION OFF

FUEL PUMP 1 & 2 OFF
BEACON LIGHT OFF
NAV LIGHT AS REQ.
AVIONICS OFF
BATTERY AS REQ.

P180 II	ABNORMAL CHECKLIST	REV. 03 05/04/2015	2.01
---------	--------------------	-----------------------	------

HIGH SPEED LANDING

BRACE ADVISED
RUDDER USE WITH CARE
REVERSE FULL JUST BEFORE TOUCHDOWN
BRAKES GENTLY WHEN HIGH SPEED

OVERWEIGHT LANDING

LANDING GEAR UNSAFE – FAILURE TO RETRACT

HYDRAULIC PRESSURE CHECK
LDG GEAR HANDLE DOWN then UP

if landing gear still fails to retract:

AUTOBRAKE OFF (DO NOT USE)
LDG GEAR HANDLE KEEP DOWN

LANDING GEAR UNSAFE – FAILURE TO EXTEND

LDG GEAR HANDLE CHECK DOWN
HYDRAULIC PRESSURE CHECK
LDG GEAR HANDLE UP then DOWN

if landing gear still fails to extend:

LDG GEAR HANDLE KEEP DOWN
EMERG LDG GEAR HANDLE PULL

P180 II	EMERG CHECKLIST	REV. 03 05/04/2015	3.01
---------	-----------------	-----------------------	------

EMERG – ENGINE FIRE IN FLIGHT

If climbing:

LEVEL OFF DONE

ATC ADVISED

On affected engine:

THROTTLE IDLE
CONDITION LEVER FEATHERED
FUEL VALVE OFF
IGNITION OFF
IGNITER OFF

If tank leak suspected:

FUEL PUMP (same side engine affected) OFF

If fire warning light still on:

AFFECTED ENG FIRE BUTTON PRESS

BLEED AIR ENG NOT AFFECTED

PROP SYNC OFF

On affected engine:

IGNITER ON

LAND ASAP LAND ASAP

This document must not be used in real aviation.

EMERG – ENGINE FIRE ON GROUND

ATC ADVISED

If on runway and situation is safe:

LEAVE RUNWAY DONE

THROTTLE IDLE

FUEL VALVE 1 & 2 OFF

IGNITION 1 & 2 OFF

IGNITER 1 & 2 OFF

BLEED AIR OFF

If fire warning light still on:

AFFECTED ENG FIRE BUTTON PRESS

EVACUATION EVALUATE

EMERG – ENGINE FAIL IN FLIGHT

If climbing:

LEVEL OFF DONE
ATC ADVISED

On affected engine:

THROTTLE IDLE
CONDITION LEVER FEATHERED

IGNITER 1 & 2 ON
BLEED AIR ENG NOT AFFECTED

**If no damage suspected, on engine affected, repeat 3 times
with interval pauses of 30 s.:**

FUEL VALVE OFF then ON
IGNITION OFF then START (hold 15 s.)

If no relight:

FUEL VALVE & IGNITION & IGNITER OFF (affected eng)
PROP SYNC OFF
LAND ASAP LAND ASAP

If relight:

CONDITION LEVER ADJUST WITH CARE
THROTTLE ADJUST WITH CARE
BLEED AIR BOTH

EMERG – EVACUATION

AIRPLANE STOP
PARK BRAKE ON
FUEL VALVE 1 & 2 OFF

If any fire suspected:

ENG FIRE BUTTON 1 & 2 ON

BATTERY OFF
PASSENGER/CREW EVACUATE

EMERG – BOMB ON BOARD

ATC NOTIFIED

DESCENT BELOW FL100

Below FL100:

AIRCRAFT DEPRESSURIZED

FOREIGN OBJECTS SEARCH

If a device is found:

PASSANGERS LEAD AWAY FORM BOMB

OBJECT: MOVE GENTLY AND MAINTAIN ATTITUDE IMMOBILIZED

OBJECT: COVER WITH PLASTIC MATERIAL DONE

OBJECT: COVER WITH WET MATERIAL DONE

If any fire suspected:

ENG FIRE BUTTON 1 & 2 ON

BATTERY OFF

PASSENGER/CREW EVACUATE