

SHORT CHECKLIST

FOR COMPLETE INFORMATION REFER TO PC-12/45 POH SECTION 4

PREFLIGHT INSPECTION

Flight Control Lock	removed and stowed
Parking Brake Handle	set/pedals push
External Power switch	OFF
BAT 1&2 switches	OFF
GEN 1&2 switches	OFF
AV Bus 1&2 switches	OFF
Non-Essential Bus	AUTO
STBY BUS switch	ON
TEST LAMP switch	push, check overhead panel
External lights	OFF
Fuel pumps	AUTO
IGNITION	AUTO
DE-ICING	OFF
INERT SEP	OFF
Cooling sys.	OFF
Heating switch	OFF
PASS-WNG switches	OFF
Circuit breakers	check in
MSN 50-1 and UP	
MASK/Mic switch	check set to MIC
EFIS CMPST switch	NORM
AHRS	SLAVE
AHRS 1/AHRS 2 (if installed)	SLAVE
Landing Gear handle	DN
ECS switch	OFF
CABIN PRESS switch	AUTO/GUARDED
Cabin Pressure controller	set to cruise alt +500ft set rate knob to mid position
Trim Interrupt switch	NORM/GUARDED
Flap interrupt switch	NORM/GUARDED
Manual Override Lever	OFF
Power Control Lever	idle detent
Condition Lever	cut-off/feather
Flaps	0°
Internal lights	OFF
Fuel Shut-off lever	fully in
Hydraulic hand pump handle	stowed
ECS Shut-off lever	fully in

BEFORE STARTING ENGINE

Preflight inspection	complete
Seats	adjusted and locked
Seat belts	fastened
BAT 1&2 switches	ON
Overhead panel voltmeter	check 24 VDC
External power (if available):	Connect then ON
EXT PWR switch	ON
Overhead panel voltmeter	check 28 VDC
Landing gear	3 green lights
Fuel contents	check equal left/right
Fuel pump LH	ON, check audible, AUTO
Fuel pump RH	ON, check audible, AUTO
OXYGEN lever	ON
Oxygen pressure gauge	check 1850 PSI max
PASS-OXY switch	ON, check CAWS, set AUTO
Oxygen masks	check available, if required
Pilot ventilation window	closed and locked
External lights	as required

ENGINE STARTING

Fuel quantity	check
EIS system	test
TEST FIRE switch	push (ENG FIRE and F DETECT lights on)
TEST LAMP switch	push (warning, caution, advisory lights on). Overhead panel switches LEDs lit
Propeller area	clear
Starter switch	push for 2 seconds
Oil pressure	check rising
Ng	stable between 13% and 20%
Condition lever	GROUND IDLE
ITT	Max 1,000°C limited to 5 sec
Ng	800-870°C limited to 20 sec
Starter sequence	stable above 50%
Engine instruments	completed
Fuel Totalizer	check
GEN 1&2 switches	reset
EXT PWR switch	ON - check CAWS - OFF
External Power Unit	OFF (if external power used)
INVERTER BAT or GEN	OFF then disconnect
AV Bus 1&2 switches	check, change as required
STBY BUS switch	ON
Radios/avionics	OFF
ECS switch	as required
Temperature setting	AUTO
Cooling or heating sys.	as required
INERT SEP	as required
	OPEN on unprepared surface

BEFORE TAXIING

AHRS 1/AHRS 2	check - no flags
Flaps	15°
A/P test button	press, note lights
Power Control Lever	set 5 - 10 PSI
TEST PUSHER switch	push and hold
Power Control Lever	set idle
CAWS panel	check
De-icing switches	check, as required
Pilot ventilation window	closed and locked
External lights	as required
Parking Brake Handle	release

TAXIING

Brakes	check
Flight instruments	check
PASS-WNG switches	ON

SHORT CHECKLIST

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BEFORE TAKEOFF

Engine instruments	check
Flight instruments	check
Trim	set green lines and diamond
Flaps	15°
Flight controls	free and correct
Radios/avionics	as required
CAWS panel	check (no warning red lights)
Probes switch	ON
Windshield heat	as required
External lights	as required
Transponder	as required
Runway	identified
	HDG verified
	HDG Bug synchronised
Condition Lever	FLIGHT IDLE
INERT SEP	as required
Ice Protection sys.	as required

TAKEOFF

EHSI	check HDG
ECS switch	OFF
Power Control Lever	set
Engine instruments	monitor, in limits
Rotate at VR, initial climb at VX or VY as req.	
After lift off + positive ROC:	
Brakes	press to stop wheels
Landing Gear	UP
Yaw Damper	ON
Flaps	0° above 100 KIAS
Taxi	OFF
External lights	as required
Yaw Damper	as required
WX Radar	as required

CLIMB

Ice Protection sys.	as required
Autopilot	as required
Power Control Lever	set as required
ECS switch	AUTO
Cabin Pressurization	monitor
Engine instruments	monitor
Torque	max 44.3 PSI
ITT	max 760°C, 720°C rec.
Ng	max 104%
Temperature setting	as required

CRUISE

Altimeters	set and cross-check
Cabin Pressurization	monitor
Power Control Lever	set, to cruise table
Engine instruments	monitor
Ice Protection sys.	as required

DESCENT

ATIS/Briefing	received/performed
Ice Protection sys.	as required
Power Control Lever	set to desired torque
Cabin Pressure controller	set to LFE +500ft

APPROACH

Ice Protection sys.	as required
Altimeters	set
Fuel quantity	check
Landing Gear	DN (below 180 KIAS)
Taxi/Landing lights	as required
External lights	as required
Flaps	set conditions
Speed	AOA centered
Passengers	brief/signs on
INERT SEP	as required

FINAL

Landing Gear	3 green lights
Flaps	set as required
Speed	AOA centered
Cabin Pressurization	0 Diff. Pressure
Autopilot	disengaged
Yaw Damper	disengaged

LANDING

Touch down main wheels first, do not flare with high pitch angle	
Power Control Lever	IDLE or MAX reverse
Braking	as required

AFTER LANDING

Power Control Lever	as required
Condition Lever	GROUND IDLE
Flaps	UP
Trims	set green range
External lights	as required
Ice Protection sys.	OFF or as required
Transponder	STBY or check GND
WX Radar	STBY

SHUTDOWN

Power Control Lever	idle detent for 2 min
Parking brake	set/pedals push
ECS switch	OFF
External lights	OFF
Ice Protection sys.	OFF
Cooling and Heating sys.	OFF
PASS-WNG switches	OFF
STBY BUS switch	ON
AV Bus 1&2 switches	OFF
GEN 1&2 switches	OFF
Condition lever	cut off/feather
Oxygen shut-off lever	OFF
Lighting switches	OFF
CAWS OIL QTY	check
(60 secs min after shutdown)	refill if required
BAT 1&2 switches	OFF
STBY BUS switch	OFF
Flight Control Lock	installed
Wheel Chocks	as required
Tie downs	as required
Rudder/nose wheel	centered
Propeller anchor	installed
External covers	installed