

DA42

BEFORE START

Chock-Lock REMOVED
Departure Brief GIVEN
Approach Brief GIVEN
Passenger Brief IF REQUIRED
Maint. Release CHECKED & ON BOARD
Flight Manual ON BOARD
Rear Door SECURE
Front canopy SECURE/COOLING GAP
Rudder Pedals ADJUSTED
Fuel Selectors ON
Mixture CHECKED & ICO
Pitch CHECKED & FULL FINE
Throttle CHECKED & IDLE
Parking Brake SET
Alternate Air CLOSED
Manual Gear Extension Handle PUSHED UP
Alternate Static CLOSED
Pitot Heat OFF
Magnetos OFF
Fuel Pumps OFF
Gear Selector DOWN
Electric Master ON
Avionics Master OFF
Gear Position Lights 3 GREENS
Gear Warning TESTED
Circuit Breakers IN
ELT ARMED
CO Detector TESTED
Emergency Switch OFF & GUARDED
Position Lights ON
Flood, Instrument Lights AS REQUIRED
Alternators ON
Variable Elevator Backstop CHECKED
G1000 Database ACKNOWLEDGED
FMS Setup-AUX 4 COMPLETED
PFD/MFD BACKUP MODE
MFD ENGINE/SYSTEMS
Fuel Quantity CHECKED AND RESET
Strobe Lights ON, AS REQUIRED
Area CLEAR



1ST ENGINE START

START 1ST ENGINE, THEN:

Oil Pressure CHECKED
Ammeter CHECKED
Annunciation Panel CHECKED



2ND ENGINE START

START 2ND ENGINE, THEN:

Oil Pressure CHECKED
Ammeter CHECKED
Annunciation Panel CHECKED



AFTER START

Avionics Master ON
Pitot Heat CHECKED
Fuel Pumps ON
Fuel Selector CROSSFEED
Radios, Nav Aids SET, SET & IDENTIFIED
ATIS RECEIVED
Altimeters (2) QNH SET, CHECKED
Autopilot BARO QNH QNH SET, CHECKED
Fuel Selector ON
Fuel Pumps OFF
PFD/MFD NORMAL MODE
ANN TEST (Aux 5) CHECKED
Flight Plan ACTIVATED
Standby AI CHECKED
Taxi Light ON



TAXI

Brakes	CHECKED
Rudder	CHECKED
Flight Instruments	CHECKED
Nav Aids	TRACKING

RUN UP

Oil Temperature ABOVE 100°F
Pitch CYCLED 3 TIMES
Magnetos CHECKED
Feather CHECKED
Idle CHECKED

* Indicates a procedure within the checklist



BEFORE TAKE-OFF

Trims (2) CHECKED & SET
Fuel Selectors ON
Mixture RICH
Pitch FULL FINE
Magnetos BOTH
Fuel Pumps ON
Controls CHECKED
Flight Instruments SET & CHECKED
Engine Parameters IN LIMITS
Altimeters (2) QNH SET & CHECKED
Auto Pilot TESTED, BARO QNH SET
Flaps UP
Circuit Breakers CHECKED
Harnesses SECURE
Clearance RECEIVED
Transponder SET
EFIS SET FOR DEP, BRIEFED
TOSB GIVEN



HOLDING POINT

Rear Door SECURE
Front Canopy SECURE
Door Annunciations OUT



ENTERING RWY

Departure Instructions	ACKNOWLEDGED
Pitot Heat	ON / As Required
Strobe Lights	ON
Landing Light	ON

TAKE-OFF

Power	MAX
T's and P's	GREEN
Airspeed	INCREASING

AFTER TAKE-OFF

Gear	UP
Gear Indication Lights	OUT
Climb Power	SET
Landing Light	OFF

CLIMB

Manifold Pressure	CHECKED
OAT	CHECKED
Annunciations	CHECKED
T's and P's	GREEN
Altimetry	CHECKED

CRUISE

Compass & HSI	ALIGNED
Log	COMPLETE / NOT REQUIRED
Engine T's & P's	GREEN
Altimetry	CHECKED
Radios	SET
Orientation	CHECKED
Fuel	SUFFICIENT
Fuel pumps	OFF

PRE MANOEUVRE

Height	RECOVER BY 3000' AGL
Airframe	CHECKED
Security	CHECKED
Engine T's & P's	GREEN
Location	CHECKED
Lookout	COMPLETED

DESCENT

Compass & HSI	ALIGNED
Altimeters (2)	QNH SET & CHECKED
Auto Pilot BARO QNH	QNH SET & CHECKED
Aids	SET & IDENTIFIED
Mixture	RICH
Radios	SET
Approach Brief	GIVEN

BEFORE LANDING

Brakes	CHECKED
Park Brake	OFF
Gear	DOWN – 3 GREENS
Mixture	RICH
Fuel Pumps	ON
Fuel Quantity	SUFFICIENT
Landing Light	ON
Harnesses	SECURE
Rudder Trim	NEUTRAL

LANDING

Park Brake	RELEASE
Pitch	SET
Gear	DN - 3 GRNS
Flaps	SET



AFTER LANDING

Pitot Heat	OFF
Fuel Pumps	OFF
Flaps	UP
Strobe Lights	ON, AS REQUIRED
Landing Light	OFF

SHUTDOWN

Park Brake	SET
Throttles	1000RPM
Engine/System Page	TIME/FUEL CHECKED
Avionics Master	OFF
Magnetos	CHECKED
Mixture	ICO
Magnetos	OFF
Start Keys	REMOVED
Strobe Lights	OFF
Position Lights	OFF
Taxi Light	OFF
Electric Master	OFF
Interior/Instrument Lights	CHECKED OFF



POST FLIGHT DUTIES

Control Lock	FITTED
Doors	LATCHED
Pitot Cover	ON
Chock-Lock	FITTED
After Flight Inspection	COMPLETED