



N252B

Pre-Takeoff Check

AFTER STARTUP

Starter Annunciator	Verify OFF
Engine Oil Pressure	MINIMUM in 30 seconds
Voltmeter	CHECK for 27 - 28 Volts
Mixture	LEAN
Fuel Totalizer	RESET if full or TEST
Flaps	UP
Elevator Trim	ON
Time	NOTE

AVIONICS CHECK

Avionics Master Switch	ON
Annunciator Lights	TEST and DIM
Transponder	1200 & Standby
Marker Beacon	TEST
KMA-24 Buttons	SET
KY-196	SET Comm Frequencies
KX-165	SET Comm Frequencies
KX-165	SET NAV Frequencies
KNS-80	SET NAV Frequencies

KR-87 ADF	SET
HSI	Verify Slaved Cross-Check with Compass
GPS	SETUP
StrikeFinder	SETUP

AUTOPILOT CHECK

TEST Button	DEPRESS
Annunciators	Flashing & 5 beeps
HDG	DEPRESS (Check F/D Engages)

Command Bar	Check Engaged
Heading Bug	Move Left & Right of Lubber Line

Command Bar	Check Commands Left & Right
Autopilot	ENGAGE

Heading Bug	Move Left & Right of Lubber Line
Command Bar	Check Commands Left & Right

CWS	Check Override Check Pitch Sync
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Autopilot Disengage (yoke)	Check 5 beeps
Trim Light	Verify OFF

BEFORE STARTING CHECK

Preflight Inspection	Completed
Fuel Boost Pump	OFF
Alternate Static Source	Push OFF
Internal/External Lights	OFF
Cowl Flap	Verify Switch OPEN
Fuel Selector	Fullest Tank
Circuit Breakers	CHECK
Landing Gear Switch	DOWN
Tach Time	RECORD
Master Switch	ON
Low VAC Annunciator	FLASHING
Standby VAC Switch	ON
Low VAC Annunciator	Verify OFF
Standby VAC Annunciator	Verify ON
Standby VAC Switch	OFF
Alternator Field Switches	ON
Annunciator Lights	Press to TEST

STARTING ENGINE - NORMAL

Throttle	Full OPEN for priming
Propeller	High RPM
Mixture	RICH
Primer	5 sec. cold; 3 sec hot (Below 20°F Prime While Cranking)

Throttle	1/4 OPEN
Propeller Area	CLEAR
Magneto/Starter Switch	START
Throttle	1000 - 1200 RPM

FLOODED ENGINE START

Fuel Boost Pump	OFF
Throttle	Full OPEN
Mixture	Idle Cutoff
Magneto/Starter Switch	START
Throttle	Retard to 1200 RPM
Mixture	RICH

WARM START

Fuel Boost Pump	OFF
Throttle	Slightly OPEN
Mixture	RICH
Magneto/Starter Switch	START
Throttle	1000 - 1200 RPM



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Pre-Takeoff Check

RUNWAY ITEMS

Cowl Flap	Verify OPEN
Transponder	ALT
Mixture	RICH
Fuel Boost Pump	Verify OFF
Strobe Lights	ON
Recognition Lights	ON
Pitot Heat	ON if Required
Pilot's Window	CLOSE

SWAP WITH IN-FLIGHT CHECKLIST

BEFORE TAXI

Cowl Flap	Test Operation
Landing/Recognition Lights	As Required
Parking Brakes	RELEASE
Emergency Gear Extension	DOWN & LATCHED
ATIS/Clearance/Ground	CLEARED
Altimeter	SET
Flight Controls	Free and Correct

TAXI

Brakes	CHECK while taxiing
Taxi	Minimum Power
Turn Coordinator	CHECK
Attitude Indicator	ERECT during turns
Magnetic Compass	Taxiway Heading

BEFORE RUNUP

Fuel Selector	Switch to other Tank
Throttle	1200 RPM
Propeller	High RPM
Mixture	RICH
Alternate Air	Verify CLOSED
Alternators	CHECK
Alternator Field Switches	Verify ON

RUNUP

Oil Temperature	75°F Minimum (needle moves off white dot)
Throttle	2000 RPM
Magnetos	Max. drop 150; 50 diff
Propeller	Cycle
Engine Instruments	CHECK
Suction	Check 4.25" - 5.50" Hg.
Throttle	1000 RPM
Mixture	LEAN
Trim	Takeoff Setting
Flaps	Check Operation. Set to Takeoff (10')
Speed Brakes	CYCLE
Seat belts	SECURED
Transponder	SET & STANDBY
Altitude Pre-Select	SET
Heading Bug	SET
Radio/NAV Frequencies	Re-Verify
Lights	As needed
Oil Temperature	100°F Minimum
Parking Brake	RELEASE