



ANGEL AVIATION®

CE-152 NORMAL PROCEDURES

BEFORE START	
Preflight Inspection	COMPLETE
Passenger Briefing	COMPLETE
Seats/Seat Belts/Harnesses	ADJUSTED/FASTENED
Brakes	TEST and SET
Avionics	OFF
Circuit Breakers	IN
Fuel Shutoff Valve	ON
STARTING ENGINES	
Fuel Mixture	FULL RICH
Carburetor Heat	COLD/OFF
Master Switch	ON
Beacon/Strobes	ON
Prime	UP TO 3-STROKES then LOCK
Propeller	CLEAR
Magnetos	ON
Ignition Switch	START
Throttle	IDLE OPEN ½ INCH (800 – 1000 RPM)
Oil Pressure	RISING TO GREEN
Ammeter	CHARGING
Flaps	UP (0°-10°)
Radios/Avionics	ON Frequency Set
Transponder	STANDBY
NAV / Lights	ON / AS REQUIRED
Master, Avionics and Radios	ON
Fuel Mixture	LEAN (1" for TAXI)
BEFORE TAKEOFF	
Brakes	SET/APPLY
Cabin Doors / Windows	LATCHED
Flight Controls	FREE and CORRECT
Elevator Trim	TAKEOFF
Fuel Mixture	(below 3000') FULL RICH
Throttles	Advance to 1700 RPM
Oil Pressure and Temperature	in the GREEN
Magnetos	CHECK RIGHT, then LEFT
Carburetor Heat	TEST
Ammeter	CHARGING
Engine Instruments	TEMP & PRESSURE
Gyro Suction	CHECK
Throttle	REDUCE TO IDLE
Throttle Friction Lock	ADJUST
Lights / Pitot Heat	AS REQUIRED
Radios / Avionics / Heading Bug	SET
Transponder (note the Hobbs / tach time)	ALTITUDE
Mixture	RICH
TAKEOFF	
Brakes	RELEASE
Throttle	FULL 2280 RPM Min
Nose Wheel	LIFT 58 MPH 50 KIAS
Climb	ESTABLISH AT 67 KIAS (77 MPH)

BEFORE LANDING	
Seats/Seatbelts	SECURED
Fuel Mixture	FULL RICH
Carburetor Heat	ON
Primer	CHECK LOCKED
ATIS / AWOS / Altimeter / Compass	CHECK / SET
Brake Pressure	TEST
Landing Light	ON
Flaps	AS REQUIRED
LANDING	
Flaps	30° or AS REQUIRED
Speed	63-72 MPH 55-63 KIAS
Fuel Mixture	IDLE CUT OFF
Gas Undercarriage Mixture Prop Flaps Switches	
AFTER LANDING	
Flaps	UP
Carburetor Heat	COLD/OFF
Fuel Mixture	ADJUST FOR TAXI
Ignition	OFF
Beacon Light	OFF
Master Switch	OFF
Transponder	STANDBY
Landing Light	OFF
SHUTDOWN	
Heater (if on)	FAN ON 2 MINUTES
Avionics Master Switch	OFF
Mixtures	IDLE CUT-OFF
Flight Plan	CLOSE
Master Switch and Alternator	OFF
Lights and Magnetos	OFF
Brakes	SET
V-SPEEDS	
V _R	*50 KIAS (58 MPH)
V _X	55 KIAS (63 MPH)
V _Y	67 KIAS (77 MPH)
V _A (1350 lbs)	93 KIAS (113 MPH)
V _A (1500 lbs)	98 KIAS (120 MPH)
V _A (1670 lbs)	104 KIAS (120 MPH)
V _S	40 KIAS (46 MPH)
V _{SO}	35 KIAS (40 MPH)
V _{FE} (Flaps Extended)	85 KIAS (98 MPH)
V _{NO}	111 KIAS (128 MPH)
V _{NE}	149 KIAS (171 MPH)
Max Demonstrated X-Wind	12 KNOTS (14 MPH)
<i>* Adjust Speed as Needed for Conditions</i>	

Before using this checklist, the pilot shall become familiar with the POH/AFM (Pilot Operating Handbook/Aircraft Flight Manual) and thoroughly understand the required procedures for aircraft operation.

