

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 T	O 3-STROKES then LOCK
Propeller	CLEAR
Magnetos	ON
Ignition Switch	START
Throttle IDLE OPEN	1 1/2 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)
Fuel Mixture BEFORE	LEAN (1" for TAXI)  TAKEOFF
BEFORE - Brakes	LEAN (1" for TAXI) TAKEOFF SET/APPLY
BEFORE - Brakes Cabin Doors / Windows	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED
BEFORE To Brakes Cabin Doors / Windows Flight Controls	LEAN (1" for TAXI)  FAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT
Brakes Cabin Doors / Windows Flight Controls Elevator Trim	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos Carburetor Heat Ammeter	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos Carburetor Heat Ammeter Engine Instruments	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK
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BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug  SET
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading I Transponder (note the Hob	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug SET  TOURS ALTITUDE
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading I Transponder (note the Hob Mixture	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY LATCHED  FREE and CORRECT TAKEOFF (below 3000') FULL RICH Advance to 1700 RPM Te in the GREEN  CHECK RIGHT, then LEFT TEST CHARGING TEMP & PRESSURE CHECK REDUCE TO IDLE ADJUST AS REQUIRED Bug SET Test CHARGING ALTITUDE RICH
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading I Transponder (note the Hob Mixture	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY LATCHED FREE and CORRECT TAKEOFF (below 3000') FULL RICH Advance to 1700 RPM Te in the GREEN CHECK RIGHT, then LEFT TEST CHARGING TEMP & PRESSURE CHECK REDUCE TO IDLE ADJUST AS REQUIRED Bug SET bbs / tach time) ALTITUDE RICH
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BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperatur Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading I Transponder (note the Hob Mixture  TAKE Brakes Throttle	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug  SET  TOST  AS REQUIRED  Bug  SET  TEST  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug  SET  TEST  AS REQUIRED  Bug  SET  TEST  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug  SET  TEST  AS REQUIRED  Bug  SET  TEST  AS REQUIRED  Bug  SET  TEST  AS REQUIRED  RICH  TEST  RELEASE  FULL 2280 RPM Min
BEFORE  Brakes Cabin Doors / Windows Flight Controls Elevator Trim Fuel Mixture Throttles Oil Pressure and Temperature Magnetos Carburetor Heat Ammeter Engine Instruments Gyro Suction Throttle Throttle Friction Lock Lights / Pitot Heat Radios / Avionics / Heading I Transponder (note the Hob Mixture  TAKE Brakes Throttle Nose Wheel	LEAN (1" for TAXI)  TAKEOFF  SET/APPLY  LATCHED  FREE and CORRECT  TAKEOFF  (below 3000') FULL RICH  Advance to 1700 RPM  Te in the GREEN  CHECK RIGHT, then LEFT  TEST  CHARGING  TEMP & PRESSURE  CHECK  REDUCE TO IDLE  ADJUST  AS REQUIRED  Bug SET  TICH  CHECK  RECHECK  RE

DEEODE LAN	IDING
BEFORE LAN	
Seats/Seatbelts	SECURED
Fuel Mixture	FULL RICH
Carburetor Heat	ON
Primer	CHECK LOCKED
ATIS / AWOS / Altimeter / Comp	
Brake Pressure	TEST
Landing Light	ON
Flaps	AS REQUIRED
LANDING	G
Flaps	30° or AS REQUIRED
Speed	63-72 MPH 55-63 KIAS
Fuel Mixture	IDLE CUT OFF
Gas Undercarriage Mixture	
AFTER LAN	
Flaps	UP
Carburetor Heat	COLD/OFF
Fuel Mixture	ADJUST FOR TAXI
Ignition	OFF
Beacon Light	OFF
Master Switch	OFF
Transponder	STANDBY
Landing Light	OFF
SHUTDOV	_
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-SPEED	
VR	*50 KIAS (58 MPH)
Vx	55 KIAS (63 MPH)
Vy	67 KIAS (77 MPH)
V <sub>A</sub> (1350 lbs)	93 KIAS (113 MPH)
V <sub>A</sub> (1500 lbs)	US KIAS (170 MPH)
	98 KIAS (120 MPH)
V <sub>A</sub> (1670 lbs)	<b>104 KIAS</b> (120 MPH)
Vs	104 KIAS (120 MPH) 40 KIAS (46 MPH)
Vs Vso	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH)
Vs Vso VFE (Flaps Extended)	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH) 85 KIAS (98 MPH)
Vs Vso VFE (Flaps Extended) VNO	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH) 85 KIAS (98 MPH) 111 KIAS (128 MPH)
Vs Vso VFE (Flaps Extended) VNO VNE	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH) 85 KIAS (98 MPH) 111 KIAS (128 MPH) 149 KIAS (171 MPH)
Vs Vso VFE (Flaps Extended) VNO VNE Max Demonstrated X-Wind	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH) 85 KIAS (98 MPH) 111 KIAS (128 MPH) 149 KIAS (171 MPH) 12 KNOTS (14 MPH)
Vs Vso VFE (Flaps Extended) VNO VNE	104 KIAS (120 MPH) 40 KIAS (46 MPH) 35 KIAS (40 MPH) 85 KIAS (98 MPH) 111 KIAS (128 MPH) 149 KIAS (171 MPH) 12 KNOTS (14 MPH)
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## **CE-152 EMERGENCY PROCEDURES**

CE-152 EMERGENCY PROCEDURES				
ENGINE FAILURE ON TAI	<b>(EOFF</b>	ICINO	G	
MAINTAIN AIRCRAFT CO	NTROL	Pitot Heat	ON	
Airspeed for Best Glide MIN 6	9 MPH (60 KIAS)	Carburetor Heat	ON AS REQUIRED	
Fuels Selector	OFF	Cabin Heat & Defrost	MAXIMUM	
Fuel Mixture FULL LEA	N/IDLE CUTOFF	Strongly Consider 180° Turn	AWAY FROM ICING	
Flaps	DOWN		LOWER INTO WARMTH	
	AFTER LANDING	Engine Speed	INCREASE	
ENGINE FAILURE IN FL		Flaps NOT RECOMMENDED FOR LANDING		
	9 MPH (60 KIAS)	Evacuate with Fire Extinguisher EXTINGUISH FIRE		
Carburetor Heat	ON	OTHER		
	NOTE / FLY INTO	EXCESSIVE RATE OF CHARGE: Over Voltage		
	PICK AND RADIO	Warning will illuminate if reaches approx. <b>31.5 Volts</b> . To		
Fuel Mixture	FULL RICH	reactivate both sides of the Master Switch turn OFF then		
Fuel Selector	ON	On Again. If Over Voltage Warning comes on again,		
Fuel Primer	LOCKED	terminate flight ASAP	g	
Magnetos	CHECK	INSUFFICIENT RATE OF CHA	APGE: Non Essential	
Master	ON			
	PROP STOPPED	Electrical OFF. If it continues, terminate flight ASAP		
Ignition START IF IF NO RESTART	PROP STOPPED	RADIO OUT: Check Circuit Breakers & VOLUME.  Recycle Alternator Switch. If IFR is still out, set XPDR to		
	9 MPH (60 KIAS)	7600 in B,C,D Airspace.	R is still out, set APDR to	
	7700		DUIL OUT	
Squawk		Emergency Extension Knob	PULL OUT	
Declare Emergency with MAYDAY TV		Gear Lights	3 GREEN	
	N / IDLE CUTOFF	Landing Gear Selector Switch	DOWN	
Fuel Selector	OFF	ELECTRICAL FAILUR		
Seatbelts / Harnesses	SECURED	Electrical Load	REDUCE	
Flaps	AS NEEDED	Ammeters	OBSERVE LOAD	
Master and Magnetos	OFF	BOTH AMMETERS		
Doors	UNLATCH	Reduce Electrical Load to Mini		
Body, Head, Eyes	PROTECT	Alternator Switches	BOTH OFF	
ELECTRICAL FIRE IN FL		Alternator Switch	ON (one at a time)	
Electrical Load and Master	OFF	If an ammeter shows electrical		
Magnetos	ON	amperes. If both show equal output resume operation.		
Vents, Cabin Heat, Air	OFF / CLOSED	ONE AMMETER F		
	N, VENTS OPEN	Alternator Switch	OFF THEN ON	
	ONE AT A TIME	IF OUTPUT IS NO		
ENGINE FIRE IN FLIG		ALT Field Circuit Breaker (5 AMP) RESET ONCE		
	N / IDLE CUTOFF	Continue flight and take corrective	e action before further flight.	
Fuel Selector	OFF			
Master Switch	OFF	USING OPERATING EN		
Cabin Heat & Air	OFF	Fuel Selector (Operative Engir	,	
Overhead Vents	OPEN	Fuel Selector (Inoperative Eng	ine) OFF	
Increase Air Speed (to extinguish)	IF POSSIBLE	USING INOPERATIVE E	NGINE FUEL TANK	
Squawk	7700	Fuel Selector (Operative Engir	ne) X-FEED	
Declare Emergency with MAYDAY TV	/R, APP, Unicom	Fuel Selector (Inoperative Eng	ine) OFF	
Land	ASAP	LANDI	NG	
ENGINE FIRE ON STA	RT	Fuel Selector (Operative Engir	ne) ON	
Continue Crank Until Start SHUTDON	VN AFTER 3 SEC	Fuel Selector (Inoperative Eng	ine) OFF	
If No Start IDLE M	IXTURE CUTOFF			
Throttle	FULL OPEN			
	VN AFTER 3 SEC			
Master & Magnetos	OFF			
	XTINGUISH FIRE			