

NORMAL PROCEDURES

CHECKLISTS

CESNNA 150M

D-EPMN



**CHECK LISTS MARKED WITH THE THICK VERTICAL
LINE ON THE LEFT SHOULD BE MEMORIZED**

VERSION IV – 10.04.2026
BASED ON C-150M AFM

Created by Jarosław Leńko, L.Kaminski

NORMAL PROCEDURES

PREFLIGHT INSPECTION

COCKPIT

1. Aircraft DocumentsON BOARD
2. KeysON DASHBOARD
3. Hobbs / Tachometer RECORD
4. Flight Control Lock.....REMOVED
5. BatteryON
6. Fuel Quantity CHECK
7. Radio & Electrical Equipment OFF
8. Lights (at night)..... CHECK
9. BatteryOFF

FUSELAGE & TAIL

1. Overall Condition CHECK
2. Antennas..... CHECK
3. Elevators / Trim Tab CHECK
4. Rudder CHECK

RIGHT WING

1. Fuel Drains (first flight).....DRAIN
2. Right Landing Gear (tire, brake) CHECK
3. Flap CHECK
4. Aileron CHECK
5. Wingtip and Lights. VISUAL CHECK
6. Leading Edge.....CLEAN
7. Fuel Quantity VISUAL INSPECTION
8. Fuel Cap SECURE
9. Antennas..... VISUAL CHECK

NOSE

1. Oil.....CHECK LEVEL (4-5,5I)
2. Fuel Drains (first flight).....DRAIN
3. Air Intakes CLEAR
4. Propeller Blades CHECK
5. Spinner CHECK
6. Nose Gear CHECK
7. Exhaust..... CHECK
8. Static Port CHECK

LEFT WING

1. Pitot Tube CoverREMOVED
2. Stall Warning CHECK
3. Same as right wing (in reverse)

NORMAL PROCEDURES

BEFORE ENGINE START

1. Preflight Inspection COMPLETED
2. Seat, Belts ADJUSTED & FASTENED
3. Flight Controls FREE & CORRECT
4. Cabin Doors CLOSED
5. Circuit Breakers CHECK
6. Fuel Shut-off Valve ON (down)
7. Battery ON

Controlled Aerodrome

8. Radio ON
9. ATIS & ATC Clearance RECEIVED
10. Radio & Electrical Equipment OFF
11. Altimeter SET QNH

ENGINE START

1. Beacon ON
2. Mixture FULL RICH
3. Throttle OPEN 1cm
4. Carb Heat COLD
5. Primer (first flight) 3-4 TIMES
6. Brakes HOLD
7. Propeller Area CLEAR
8. Ignition Switch START (MAX 20 SEC)
9. Throttle 1100 RPM
10. Oil Pressure CHECK
11. Alternator ON & CHECK

AFTER ENGINE START

1. Radios ON
2. Avionics ON
3. Transponder STBY
4. Radios/NAV/GPS SET
5. Flaps (first flight) CHECK (DOWN & UP)
6. Circuit Breakers CHECK
7. Navigation Lights AS REQUIRED

NORMAL PROCEDURES

TAXI

1. Taxi light / Brakes ON / OFF
2. Brakes / Flight Instruments CHECK
3. Mixture AS REQUIRED

RUN UP POSITION

1. Brakes / Taxi light ON / OFF
2. Oil Temp GREEN
3. Mixture FULL RICH
4. Throttle 1700 RPM
5. Alternator Load (Ammeter) CHECK
6. Vacuum Gauge CHECK
7. Magnetos CHECK (drop max 150 diff±75)
8. Carb Heat HOT (drop max 100)
9. Throttle IDLE, THEN 1000 RPM
10. Carb Heat COLD
11. Gyro SET
12. Trim TAKE-OFF
13. Flaps 10°
14. Take-Off Briefing COMPLETED

LINE UP

1. Mixture FULL RICH
2. Transponder ALT
3. Landing Lights / Brakes ON / OFF

TAKE-OFF

1. Take-off power SET
2. Engine Instruments CHECK
3. Rotation 55 KIAS
4. Climb speed 65-70 KIAS

CLIMB

1. Climb speed 70 KIAS
2. Flaps (min 300ft AGL) UP
3. Throttle Reduce 2400 RPM
4. Landing Light OFF

NORMAL PROCEDURES

CRUISE

1. Cruise Power SET (2200-2300 RPM)
2. Mixture AS REQUIRED
3. Engine Instruments CHECK
4. TRIM SET

DESCENT

1. Carb Heat HOT
2. Mixture FULL RICH

FINAL

1. Landing Light ON
2. Carb Heat HOT
3. Mixture FULL RICH
4. Flaps AS REQUIRED
5. Approach Speed 65-70 KIAS

GO AROUND

1. Throttle MAX POWER
2. Carb Heat COLD
3. Flaps 10° (STEP BY STEP)
4. Airspeed 65 KIAS

RUNWAY VACATED

1. Landing Light / Taxi Light OFF / ON
2. Flaps UP
3. Transponder STBY

SHUT DOWN POSITION







1. Brakes / Taxi light ON / OFF
2. Radios & Avionics OFF
3. Transponder OFF
4. Electrical Equipment OFF
5. Throttle 1000 RPM
6. Mixture CUT OFF
7. Magnetos OFF
8. Battery / Alternator OFF
9. Beacon OFF

AIRSPEED FOR SAFE OPERATION

Best Rate-of-Climb (V_Y) Flap 0°	70 KIAS
Best Angle-of-Climb (V_X) Flap 0°	65 KIAS
Best Rate-of-Climb (V_Y) Flap 10°	65 KIAS
Best Angle-of-Climb (V_X) Flap 10°	60 KIAS
Flaps Extended ($V_{FE LDG}$) Flap 10° - 40°	80 KIAS
Rotation (V_R)	50-55 KIAS
Never Exceed Speed (V_{NE})	140 KIAS
Normal Operating Speed (V_{NO})	107 KIAS
Maneuvering Speed (V_A)	90 KIAS
Best Glide Angle Speed	60-65 KIAS
Approach Speed Flap 20° - 40°	60-65 KIAS
Max Demo Crosswind	13 KIAS

ATC TOWER LIGHT GUN SIGNALS

ON GROUND

Cleared for TAKE-OFF	
Cleared for TAXI	
STOP	
TAXI clear	
Return to start	
Extreme caution	

IN FLIGHT

Cleared to LAND
Return to land
STOP
Airport unsafe
Return to start
Extreme caution

EMERGENCY PROCEDURES

CHECKLISTS

CESNNA 150M

D-EPMN



**CHECK LISTS MARKED WITH THE THICK VERTICAL
LINE ON THE LEFT SHOULD BE MEMORIZED**

VERSION IV – 10.04.2026
BASED ON C-150M AFM

Created by Jarosław Leńko, L.Kaminski

EMERGENCY PROCEDURES

ENGINE FAILURE DURING TAKE-OFF RUN

1. Throttle IDLE
2. Brakes AS REQUIRED
3. Flaps UP
4. Mixture CUT OFF
5. Magnetos OFF
6. Battery / Alternator OFF

ENGINE FAILURE AFTER TAKE-OFF

INSUFFICIENT ENGINE POWER

1. Airspeed 65 KIAS
2. Landing Field SELECT
3. Throttle FULL
4. Mixture FULL RICH
5. Fuel Shut-off Valve OPEN
6. Magnetos BOTH

SHORTLY BEFORE LANDING

1. Mixture CUT OFF
2. Fuel Shut-off Valve CLOSED
3. Magnetos OFF
4. Flaps AS REQUIRED
5. Battery / Alternator OFF

ENGINE FAILURE DURING FLIGHT

ENGINE RUNNING ROUGHLY

1. Airspeed 60-70 KIAS
2. Carb Heat HOT
3. Mixture FULL RICH
4. Primer IN & LOCKED
5. Fuel Shut-off Valve OPEN
6. Magnetos L-BOTH-R-BOTH
7. Throttle PRESENT POSITION
8. No improvement. LAND ASAP

EMERGENCY PROCEDURES

RESTARTING THE ENGINE WITH PROPELLER WINDMILLING

1. Airspeed 60 KIAS
2. Mixture FULL RICH
3. Carb Heat HOT
4. Fuel Shut-off Valve OPEN
5. Magnetos BOTH
6. Throttle 2 cm FORWARD

AFTER SUCCESSFUL RE-START

1. Oil Pressure CHECK
2. Carb Heat COLD

RESTARTING THE ENGINE WITH PROPELLER AT FULL STOP

1. Airspeed 60 KIAS
2. Electrically Equipment OFF
3. Battery ON
4. Mixture FULL RICH
5. Carb Heat HOT
6. Fuel Shut-off Valve OPEN
7. Throttle 2 cm FORWARD
8. Ignition Switch START

AFTER SUCCESSFUL RESTART

1. Oil Pressure CHECK
2. Carb Heat COLD
3. Electrical Equipment ON

GLIDING

1. Flaps UP
2. Airspeed 60-70 KIAS

EMERGENCY LANDING

1. Airspeed (Flaps 0°) 65 KIAS
2. Airspeed (Flaps 10°) 60 KIAS
3. Airspeed (Flaps 20° - 40°) 55 KIAS
4. Landing Field SELECT
5. Fuel Shut-off Valve CLOSED
6. Mixture CUT-OFF
7. Magnetos OFF
8. Safety Belts SECURED
9. Radio TRANSMIT
10. Flaps AS REQUIRED
11. Battery / Alternator OFF

EMERGENCY PROCEDURES

ENGINE FIRE DURING START-UP

1. Mixture CUT-OFF
2. Cabin Heat CLOSED
3. Fuel Shut-off Valve CLOSED
4. Magnetos OFF
5. Battery OFF
6. Evacuation IMMEDIATELY

ENGINE FIRE DURING FLIGHT

1. Mixture CUT-OFF
2. Fuel Shut-off Valve CLOSED
3. Cabin Heat CLOSED
4. Airspeed 60 KIAS
5. Landing Field SELECT
6. Emergency Landing PERFORM

CABIN FIRE DURING FLIGHT

1. Battery / Alternator OFF
2. Cabin Air OPEN
3. Windows OPEN
4. Cabin Heat CLOSED
5. Fire Extinguisher USE IF REQUIRED

LAND AS SOON AS POSSIBLE

ELECTRICAL FIRE INCLUDING SMOKE ON THE GROUND

1. Battery / Alternator OFF

IF ENGINE RUNNING

1. Throttle IDLE
2. Mixture CUT OFF
3. Fuel Shut-off Valve CLOSED
4. Magnetos OFF
5. Doors OPEN
6. Fire Extinguisher USE IF REQUIRED

EMERGENCY PROCEDURES

ELECTRICAL FIRE INCLUDING SMOKE DURING FLIGHT

1. Battery / Alternator OFF
2. Cabin Air OPEN
3. Windows OPEN
4. Fire Extinguisher AS REQUIRED
5. Cabin Heat CLOSED
6. Electrically Equipment OFF

IF EXTINGUISHED

1. Landing ASAP DECIDE

IF NOT EXTINGUISHED

1. Emergency Landing PERFORM

ALTERNATOR FALIURE

1. Circuit Breaker RESET

IF POWER NOT RESTORED

1. Alternator OFF
2. Not required Electrical Equipment OFF

LAND AT NEAREST SUITABLE AIRPORT

FLIGHT INTO ICEING CONDITION

1. Pitot Heat ON
2. Carb Heat HOT
3. Direction / or Altitude CHANGE
4. ATC ADVICE

CARBURETOR ICING

1. Carb Heat HOT
2. Mixture FULL RICH

EMERGENCY PROCEDURES

SPIN RECOVERY

1. Throttle..... IDLE
2. Ailerons..... NEUTRAL
3. Rudder.....OPPOSITE DIR. OF ROTATION
4. Yoke..... FULL FORWARD

WHEN ROTATION STOPS RUDDER AND YOKE NEUTRAL

1. Pitch..... LEVEL
2. Throttle..... AS REQUIRED

FLOODED ENGINE START

1. Beacon.....ON
2. Mixture..... CUT-OFF
3. Throttle..... FULL OPEN
4. Carb Heat..... COLD
5. Brakes..... HOLD
6. Propeller Area..... CLEAR
7. Ignition Switch..... START (MAX 30 SEC)
8. Mixture (when engine fire)..... FULL RICH
9. Throttle..... 1000 RPM
10. Oil Pressure..... CHECK
11. Alternator..... ON & CHECK