

CESSNA MODEL 152

This is not an FAA Approved Checklist and is to be used for General Purposes Only

EMERGENCY PROCEDURES

ENGINE FAILURE - IMMEDIATELY AFTER TAKEOFF

1. Airspeed - 60 KIAS
2. Mixture - IDLE CUT-OFF
3. Fuel Shutoff Valve - OFF
4. Ignition Switch - OFF
5. Flaps - AS REQUIRED
6. Master Switch - OFF

DURING FLIGHT

1. Airspeed - 60 KIAS
2. Primer - IN and LOCKED
3. Ignition Switch - BOTH (or start if propeller is stopped)
4. Carburetor Heat - ON
5. Mixture - RICH
6. Fuel Shutoff Valve - ON

EMERGENCY LANDINGS WITHOUT ENGINE POWER

1. Airspeed - 65 KIAS (flaps UP)
60 KIAS (flaps Down)
2. Radio - REPORT POSITION on 121.5 or last frequency
3. Transponder - 7700
4. Mixture - IDLE CUT-OFF
5. Fuel Shutoff Valve - OFF
6. Ignition Switch - OFF
7. Flaps - AS REQUIRED (30 degrees recommended)
8. Master Switch - OFF PRIOR TO TOUCHDOWN
9. Doors - UNLATCH PRIOR TO TOUCHDOWN
10. Touchdown - SLIGHTLY TAIL LOW
11. Brakes - APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE POWER

1. Airspeed - 60 KIAS
2. Radio - REPORT POSITION on 121.5 or last frequency
3. Transponder - 7700
4. Flaps - 20 DEGREES
5. Select Field - FLY OVER, noting terrain & obstructions, then retract flaps upon reaching a safe altitude and airspeed.
6. Radios and Electrical Switches - OFF
7. Flaps - 30 DEGREES (on final approach)
8. Airspeed - 55 KIAS
9. Master Switch - OFF
10. Doors UNLATCHED PRIOR TO TOUCHDOWN
11. Touchdown - SLIGHTLY TAIL LOW
12. Ignition Switch - OFF
13. Brakes - APPLY HEAVILY

BEFORE STARTING ENGINE

1. Seats, Belts, Shoulder Harnesses, Doors - ADJUST and LOCK
2. Fuel Shutoff Valve - ON
3. Radios, Electrical Equipment - OFF
4. Brakes - TEST & SET
5. Circuit Breakers - CHECK IN

STARTING ENGINE - NORMAL

Note: Hot Engine, Start Skip Prime

1. Mixture - RICH
2. Carburetor Heat - COLD
3. Prime - AS REQUIRED
4. Throttle - OPEN 1/2 INCH
5. Propeller Area - "CLEAR!"
6. Master Switch - ON
7. Rotating Beacon - ON
8. Ignition Switch - START (release when engine starts)
9. Throttle - 1000 RPM or less for warm up
10. Oil Pressure - CHECK (green)

AFTER STARTING

1. Lights - As Required, No Strobes On Ground
2. Flaps - UP
3. Radios - ON/SET
4. ATIS (Ann Arbor, 134.55) - COPY
5. Transponder - SBY, 1200
6. Mixture - LEAN
7. Brakes - TEST
8. Ground Control (Ann Arbor, 121.6) - Contact

BEFORE TAKEOFF

1. Cabin Doors and windows - CLOSED and LOCKED
 2. Flight Controls - FREE and CORRECT
 3. Flight Instruments - SET
 4. Fuel Shutoff Valve - ON
 5. Elevator Trim - TAKEOFF
 6. Mixture - RICH or As Required
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Before Takeoff Con't...

7. Throttle - 1700 RPM
 - a. Magnetos - CHECK
 - b. Carburetor Heat - CHECK, then OFF
 - c. Engine Instruments - CHECK
 - d. Ammeter - CHECK
 - E. Suction Gauge - CHECK
8. Throttle - 1000 RPM
9. Throttle Friction Lock - ADJUST
10. Radios - SET, (Ann Arbor Tower, 120.3)
11. Transponder - SET then ALT
12. Oil Temperature - CHECK (green)
13. Flaps - SET, Normal 0° to 10°, Short/Soft 10°
14. Lights - As Required
15. Tower - Contact

TAKEOFF - NORMAL

1. Throttle - FULL OPEN
2. Elevator Control - LIFT NOSE WHEEL at 55 KIAS
3. Climb Speed - Vy, 67 KIAS

SHORT FIELD TAKEOFF

1. Brakes - APPLY
2. Throttle - FULL OPEN
3. Brakes - RELEASE
4. Elevator Control - SLIGHTLY TAIL LOW
5. Climb Speed - Vx 54 KIAS
6. Flaps - RETRACT slowly after reaching 60 KIAS

EN ROUTE CLIMB

1. Airspeed - 75 KIAS
2. Throttle - FULL OPEN
3. Mixture - FULL RICH (below 3000' MSL)

CRUISE

1. Power - 1900-2550 RPM (no more than 75% power)
2. Elevator Trim - ADJUST
3. Mixture - LEAN (above 3000' MSL)
4. Engine Instruments - CHECK
5. Landing Light - OFF

IN RANGE, 10 Miles Out

1. ATIS - COPY (Ann Arbor, 134.55)
2. Tower/CTAF - Contact (Ann Arbor, 120.3)

DESCENT

1. Power - AS DESIRED within Green Arc
2. Mixture - ENRICH as required

BEFORE LANDING - GUMP ✓

1. Seats, Belts, Shoulder Harnesses - ADJUST and LOCK
2. Mixture - RICH
3. Landing Light - ON
4. Carb Heat - ON

LANDING - NORMAL

1. Airspeed - 60-70 KIAS (flaps up)
2. Flaps - AS DESIRED (below 85 KIAS)
3. Airspeed - 55-65 KIAS (flaps down)
4. Trim - ADJUST
5. Touchdown - MAIN WHEELS FIRST
6. Landing Roll - LOWER NOSE WHEEL GENTLY
7. Braking - MINIMUM REQUIRED

SHORT FIELD LANDING

1. Airspeed - 60-70 KIAS
2. Flaps - 30 DEGREES (below 85 KIAS)
3. Airspeed - MAINTAIN 54 KIAS
4. Trim - ADJUST
5. Power - REDUCE to idle as obstacle is cleared.
6. Touchdown - MAIN WHEELS FIRST
7. Brakes - APPLY HEAVILY
8. Wing Flaps - RETRACT

AFTER LANDING

1. Flaps - UP
2. Carburetor Heat - COLD
3. Transponder - SBY
4. Strobes - OFF
5. Landing Light - As Required
6. Mixture - LEAN for Taxi
7. Ground Control - Contact (Ann Arbor, 121.6)

SECURING AIRPLANE

1. Throttle - IDLE, 1000 RPM
2. Radios, Electrical Equipment - OFF (except Beacon)
3. Mixture - IDLE CUT-OFF
4. Beacon - OFF
5. Ignition Switch - OFF, Key Out
6. Master Switch - OFF
7. Control Lock - INSTALL
8. Chock & Tie Down Aircraft