

C-152 Preflight Inspection

CABIN

- Note and Record Time
- Required Documents - CHECK
 - Airworthiness
 - Registration
 - Operating Handbook
 - Weight and Balance
- Control Lock – REMOVE & STOW
- Ignition Switch – OFF
- Master Switch – ON
- Fuel Quantity Indicators – CHECK QUANTITY
- Flaps – LOWER
- Lights/Pitot heat – ON, CHECK, OFF
- Master Switch – OFF

FUSELAGE LEFT SIDE

- Antennas – CHECK

EMPENAGE

- Control Surfaces – CHECK
- Tail Tie-Down – REMOVE

FUSELAGE RIGHT SIDE

- ELT Antenna - CHECK

RIGHT WING

- Flap Condition – CHECK
- Aileron Condition – CHECK
- Wing Tip – CHECK

- Strut – CHECK
- Wing Tie-Down – REMOVE
- Main Gear – CHECK
- Fuel Drain – DRAIN & CHECK
- Fuel Tank – CHECK QUANTITY & CAP

NOSE

- Engine Oil Level – CHECK (4-6 Qts.)
- Strainer Drain – DRAIN & CHECK
- Air Inlets - UNOBSTRUCTED
- Propeller and Spinner – CHECK
- Landing Light – CHECK
- Carburetor Air Filter – CHECK
- Nose Gear – CHECK
- Static Source Opening – CHECK

LEFT WING

- Fuel Tank – CHECK QUANTITY & CAP
- Pitot Tube – REMOVE cover/CHECK
- Fuel Vent – CHECK
- Stall Warning – CHECK/TEST
- Wing Tie-Down – REMOVE
- Strut – CHECK
- Wing Tip – CHECK
- Aileron Condition – CHECK
- Flap Condition – CHECK
- Main Gear – CHECK
- Fuel Drain – DRAIN & CHECK

C-152 EMERGENCY CHECKLISTS

Items in bold should be memorized

ENGINE FAILURE AFTER TAKEOFF

- Airspeed – 60 KIAS
- Mixture – IDLE CUT-OFF
- Fuel Shutoff Valve – OFF
- Ignition Switch – OFF
- Wing Flaps – AS REQUIRED
- Master Switch – OFF

ENGINE FAILURE DURING FLIGHT

- Airspeed – 60 KIAS
- Carburetor Heat – ON
- Primer – IN and LOCKED
- Fuel Shutoff Valve – ON
- Mixture – RICH
- Ignition Switch – BOTH (or START if propeller is stopped)

EMERGENCY LANDING WITHOUT POWER

- Airspeed – 65 KIAS (Flaps UP)
60 KIAS (Flaps DOWN)
- Mixture – IDLE CUT-OFF
- Fuel Shutoff Valve – OFF
- Ignition Switch – OFF
- Wing Flaps – AS REQUIRED (30° recommended)
- Master Switch – OFF
- Doors – UNLATCH PRIOR TO TOUCHDOWN

- Touchdown – SLIGHTLY TAIL LOW
- Brakes – APPLY HEAVILY

ENGINE FIRE IN FLIGHT

- Mixture – IDLE CUT-OFF
- Fuel Shutoff Valve – OFF
- Master Switch – OFF
- Cabin Heat and Air - OFF
- Airspeed – 85 KIAS or higher to distinguish fire
- Forced Landing – EXECUTE

ELECTRICAL FIRE IN FLIGHT

- Master Switch – OFF
- All Other Switches (except ignition switch) – OFF
- Vents/Cabin Air/Heat – CLOSED
- Fire Extinguisher – ACTIVATE (if available)
- After discharging extinguisher within closed cabin, ventilate the cabin
- If fire appears out & electrical power is necessary for continuance of flight:
 - Master Switch – ON
 - Circuit Breakers – CHECK, do not reset
 - Radio/Electrical Switches – ON one at a time, with delay after each until short circuit is localized
 - Vents/Cabin Air/Heat – OPEN when it is certain that fire is completely extinguished

C-152 IN-FLIGHT CHECKLISTS

BEFORE STARTING ENGINE

Preflight Inspection – COMPLETE
Seats, Belts, Shoulder Harnesses – ADJUST and
FASTENED
Fuel Shutoff Valve – ON
Radios/Electrical Equipment – OFF
Brakes – SET
Circuit Breakers – CHECK IN

STARTING ENGINE

Mixture – RICH
Carburetor Heat – COLD
Prime – AS REQUIRED (max 3 strokes - none if
engine warm)
Throttle – OPEN ½ INCH (closed if engine
warm)
Propeller Area – CLEAR
Master Switch – ON
Ignition Switch – START
Throttle – ADJUST (1000 RPM)
Oil Pressure – CHECK
Beacon/Navigation Lights – ON as required

BEFORE TAXI

Wing Flaps – UP
Radios/Electrical Equipment – ON
Flight Instruments – SET
Radios – CHECK
Brakes – CHECK

RUN UP

Brakes – SET
Cabin Doors/Windows – CLOSED and
LATCHED
Flight Controls – FREE and CORRECT
Flight Instruments – SET
Fuel Shutoff Valve – ON
Mixture – RICH (below 3000')
Elevator Trim – TAKEOFF
Throttle – 1700 RPM
-Magnetos – CHECK (125 total/50 -
differential)
-Carburetor Heat – CHECK (for RPM drop)
-Engine Instruments and Ammeter – CHECK
-Suction Gage - CHECK
Throttle – IDLE CHECK, 1000 RPM
Radios – SET
Throttle Friction Lock – ADJUST

BEFORE TAKEOFF

Lights – ON as required
Flaps – SET
Transponder – SET

AFTER TAKEOFF

Flaps – UP
Lights – AS REQUIRED
Mixture – LEAN (above 3000' for max RPM)

BEFORE LANDING

Seats, Belts, Shoulder Harnesses – ADJUST and
FASTENED
Mixture – RICH
Lights – AS REQUIRED
Carburetor Heat – ON (before reducing power)

AFTER LANDING

Wing Flaps – UP
Carburetor Heat – COLD
Transponder – STBY
Lights – AS REQUIRED
Trim – SET TO TAKEOFF

SECURING AIRPLANE

Radios/Electrical Equipment – OFF
Throttle – 1000 RPM
Mixture – IDLE CUT-OFF
Ignition Switch – OFF
Master Switch – OFF
Control Lock – INSTALL