

C-150/152

Normal Checklist

PREFLIGHT

Inside Cockpit

Maintenance Squawks - CHECKED
Tach/Hobbs - RECORDED
Doc's (AROW) - AVAILABLE
Weight & Balance - COMPUTED
Control Lock - RELEASE
Ignition Switch - OFF
Electrical Switches - OFF
Master Switch - ON
Fuel Quantity - CHECK
Flaps - EXTEND
Pitot Heat - CHECK
Master Switch - OFF
Fuel Selector - ON

Empennage

Tail Tiedown - DISCONNECT
Control Surf. - FREE & SECURE
Antennas - CHECK

Right Wing

Aileron - FREE & SECURE
Flap - SECURE
Wing Tiedown - DISCONNECT
Main Wheel/Tire - CHECK

Fuel Quick Drain Valve -
DRAIN & CHECK
Fuel Qty - CHECK VISUALLY
Fuel Cap - SECURE

Nose

Fuel Quick Drain Strainer -
DRAIN & CHECK
Engine Oil - 5-6 QTS
Air Inlets - CHECK CLEAR
Prop/Spinner - CHECK
Air Filter - CHECK
Landing/Taxi Light - CHECK
Nose Wheel Strut/Tire - CHECK
Left Static Source - CHECK

Left Wing

Fuel Quick Drain Valve -
DRAIN & CHECK
Fuel Qty - CHECK VISUALLY
Fuel Cap - SECURE
Main Wheel/Tire - CHECK
Fuel Tank Vent - CHECK CLEAR
Stall Warning - CHECK CLEAR
Wing Tiedown - DISCONNECT
Aileron - FREE & SECURE
Flap - SECURE
Tiedowns/Chocks/Towbar -
FINAL CHECK

BEFORE START

Pax Briefing - COMPLETE
Seats/Belts - ADJUST & LOCK
Circuit Breakers - CHECK IN
Electrical Equip. - OFF
Carb Heat - OFF
Fuel Selector - ON

STARTING ENGINE

Mixture - RICH
Throttle - OPEN ¼ IN.
Primer - 0-3 TIMES
Master Switch - ON
Beacon/Nav lights - ON AS REQ'D
Prop Area - CLEAR
Ignition Switch - START
Oil Pressure - CHECK
Flaps - RETRACT

TAXI CHECK

Brakes - CHECK
Flight Instruments - CHECK

RUNUP

Cabin Doors - CLOSED & LOCK'd
Flight Contrls - FREE & CORRECT
Flight Instruments - CHECK & SET
Fuel Quantity - CHECK
Mixture - BEST POWER
Fuel Selector - RECHECK ON
Elevator Trim - TAKEOFF
Throttle - 1700 RPM
Magnetos - TEST
Carb Heat - TEST
Suction Gauge - CHECK
Eng Instruments/Ammeter - CHECK
Throttle - CHECK IDLE
Throttle Friction - ADJUST
Wing Flaps - 0⁰-10⁰

WHEN CLEARED T/O

A/C Lights – ON
Transponder – ALT
Time – RECORD (cross country)

NORMAL TAKEOFF

Wing Flaps - 0⁰-10⁰
Mixture - RICH BLW 3000'
Oil Pressure - CHECK ON ROLL
Elevator Cont - LIFT NOSEWHEEL
 AT 50 KIAS
Vy - 67 KIAS
Wing Flaps – RETRACT

SHORT FIELD TAKEOFF

Wing Flaps - 10⁰
Brakes - APPLY
Mixture - RICH BLW 3000'
Throttle - FULL OPEN
Brakes - RELEASE
Elevator Cont - SLIGHT TAIL LOW
Climb Speed - 55 KIAS UNTIL
 CLEAR OF OBST
Wing Flaps - RETRACT

SOFT FIELD TAKEOFF

Wing Flaps - 10⁰
Brakes - APPLY SPARINGLY
Mixture - RICH BLW 3000'
Throttle - FULL OPEN
Elevator Cont - TAIL LOW
Accel - STAY IN GRND EFFECT
Climb Speed - 55 KIAS UNTIL
 CLEAR OF OBST
Wing Flaps - RETRACT

AFTER T/O

Flaps – RETRACT
Landing Lights - OFF

CRUISE

Power - 2100-2400 RPM
Mixture - LEAN
DG - SET TO COMPASS
Fuel Quantity - MONITOR

DESCENT

Mixture – AS REQ'D
Carb Heat - AS REQ'D

BEFORE LANDING

CGUMPS check:
Carb Heat - ON
Gas - BOTH
Undercarriage - N/A
Mixture - RICH BLW 3000'
Props - N/A
Seatbelts - SECURE

NORMAL LANDING

Airspeed - 60 KIAS
Wing Flaps - AS DESIRED
Touchdown - MAIN WHEELS 1st
Brakes - USE SPARINGLY

SHORT FIELD LANDING

Airspeed - 55 KIAS
Wing Flaps - FULL DOWN
Power - IDLE AFTER CLR OBST
Touchdown - MAIN WHEELS 1st
Wing Flaps – RETRACT
Brakes - APPLY HEAVILY

SOFT FIELD LANDING

Airspeed - 55 KIAS
Wing Flaps - FULL DOWN
Touchdown - MIN AIRSPEED
Landing Roll - LOWER NOSE
WHEEL GENTLY

BALKED LANDING

Throttle - FULL OPEN
Carb Heat - OFF
Pitch - PITCH FOR CLIMB
Wing Flaps - RETRACT TO 20°
Climb Speed - 55 KIAS
Wing Flaps - 10° UNTIL CLR OBST
THEN RETRACT IF ABV
60 KIAS

AFTER LANDING

Wing Flaps - RETRACT
Carb Heat - OFF
Landing Light / Strobes - OFF
Trim - TAKEOFF
Transponder - STANDBY

SECURING AIRCRAFT

Parking Brake - SET
Radios - OFF
Mixture - IDLE CUTOFF
Electrical Equip / Master Sw. - OFF
Ignition Sw. - OFF
Control Lock - INSTALL
Fuel Selector - AS DESIRED
Flight Plan - CLOSE

PASSENGER BRIEFING

- 1) Exit Doors and Windows --
Location and Operation
- 2) Seatbelt Use and Operation
- 3) Seat/Seatback Operation (Upright
For T/O and Landings)
- 4) Fire Extinguishers
- 5) Open Water Ditching Procedures
if Applicable
- 6) Oxygen Use and Operation
- 7) Traffic - Tell Pilots if on a
Potential Collision Course
- 8) Anything Abnormal (Noises,
Fire, Etc.) - Tell Pilots
- 9) No Smoking
- 10) Don't Touch Controls

V SPEEDS

V_r = 50 V_x = 55
V_y = 67 V_a = 104
V_{s1} = 40 V_{so} = 35
V_{fe} = 85 V_{no} = 111
V_{ne} = 149 Best Glide = 60