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
Preflight inspection - COMPLETE
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
Prop Area - CLEAR
Master Switch - ON
Beacon/Nav lights - ON AS REQ'D
Ignition Switch - START
Oil Pressure - CHECK
Flaps - RETRACT

TAXI CHECK
Brakes - CHECK
Flight Instruments - CHECK

RUNUP
Brakes - HOLD
Seats/Belts - UPRIGHT & SECURE
Cabin Doors - CLOSED & LOCK'd
Flght 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
Strobe Lights - AS DESIRED
Radios/Avionics – SET
Wing Flaps - 0^0-10^0

WHEN CLEARED T/O:
Lights – ON
Transponder – ALT
Time – RECORD (cross country)

NORMAL TAKEOFF
Wing Flaps - 0^0-10^0
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 - 10^0
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 - 10^0
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

ENROUTE CLIMB
Throttle - FULL OPEN
Flaps - RETRACT
Airspeed - 70-80 KIAS
Mixture - LEAN ABV 3000'

CRUISE
Power - 2100-2400 RPM
Mixture - LEAN
DG - SET TO COMPASS

DESCENT
Power - AS DESIRED
Mixture - ADJUST
Carb Heat - AS REQ'D

BEFORE LANDING
LCGUMPFS check:
Landing Light - ON
Carb Heat - ON
Gas - BOTH
Undercarriage - N/A
Mixture - RICH BLW 3000'
Props - N/A
Flaps - AS REQ'D
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 20^0
Climb Speed - 55 KIAS
Wing Flaps - 10^0 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

Vr = 50   Vx = 55
Vy = 67   Va = 104
Vs1 = 40   Vso = 35
Vfe = 85   Vno = 111
Vne = 149   Best Glide = 60