

# **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 - 0<sup>0</sup>-10<sup>0</sup>

## WHEN CLEARED T/O

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

## NORMAL TAKEOFF

Wing Flaps - 0<sup>0</sup>-10<sup>0</sup>  
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<sup>0</sup>  
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<sup>0</sup>  
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 1<sup>st</sup>  
Brakes - USE SPARINGLY

## SHORT FIELD LANDING

Airspeed - 55 KIAS  
Wing Flaps - FULL DOWN  
Power - IDLE AFTER CLR OBST  
Touchdown - MAIN WHEELS 1<sup>st</sup>  
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<sub>r</sub> = 50      V<sub>x</sub> = 55  
V<sub>y</sub> = 67      V<sub>a</sub> = 104  
V<sub>s1</sub> = 40      V<sub>so</sub> = 35  
V<sub>fe</sub> = 85      V<sub>no</sub> = 111  
V<sub>ne</sub> = 149      Best Glide = 60