



The **CAVU** *Pilot*

Education, Tips, and Humor; On Your Own Time

Cessna 150F

Checklist

and

Quick Reference Handbook

January 2021

Cessna 150 Checklist

V-Speeds

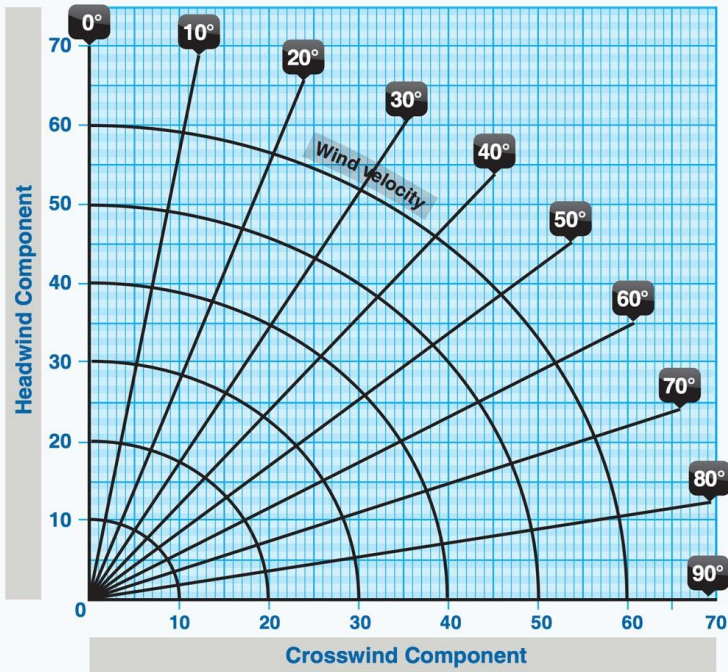
- V_{SO} - 48 MPH
- V_S - 55 MPH
- V_R - 50 MPH
- V_X - 64 MPH
- V_Y - 72 MPH
- V_{FE} - 86 MPH
- V_A - 109 MPH
- V_{NO} - 120 MPH
- V_{NE} - 162 MPH
- Best Glide- 65 MPH

Fuel Capacity

- 26 Gallons Total
- 13 Gallons Per Wing
- 1.75 Gallons Unuseable
Per Wing
- 3.5 Gallons Total
Unusable

Oil Capacity

- Minimum: 4 Quarts
- Maximum: 6 Quarts



Pre-Flight Inspection

Interior

Documents.....A.R.R.O.W.S
Control Lock.....Remove
Flight Controls.....Check
Magnetos.....Off
Mixture.....Cut-Off
Circuit Breakers.....Check
Master Switch.....On
Fuel Quantity.....Check
Fuel Valve.....On
Flaps.....Down
Pitot Heat.....On
Aircraft Lights.....All On/Check
Master Switch.....Off
Elevator Trim.....Set to
Takeoff

Exterior

Empennage.....Check
Horizontal Stabilizer.....Check
Elevator.....Check
Tail Tie
Down.....Remove
Rudder.....Check
Lights and Antennas.....Check
Trim
Tab.....Check
Right Flap & Aileron.....Check
Right Wingtip & Light.....Check
Right Wing.....Check
Right Tie Down.....Remove
Right Main Gear.....Check

Right Fuel Tank Sump..Sample
Collector
Tank.....Sample
Right Fuel Quantity.....Check
Right Fuel Cap.....Secured
Upper Antennas.....Check
Fresh Air Inlet.....Check
Windshield.....Check
Oil Quantity.....Check
Fuel Strainer Valve.....Check
Air Intakes.....Check
Propeller.....Check
Air Filter.....Check
Exhaust.....Check
Nose Gear.....Check
Oil Drain.....Check
Static Port.....Check
Fresh Air Inlet.....Check
Left Main Gear.....Check
Left Fuel Tank
Sump....Sample
Left Fuel Quantity.....Check
Left Fuel Cap.....Secure
Pitot Tube.....Check
Fuel
Vent.....Check
Stall Horn.....Check
Left Tie Down.....Remove
Left Wing.....Check
Left Wingtip & Light.....Check
Left Aileron & Flap.....Check

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Chocks.....Remove

Engine Instruments.....Check
Mixture.....Lean for Best Power
Throttle.....Idle/1000 RPM
Instruments.....Bug & Set
Elevator Trim.....Set for
Takeoff
Takeoff Briefing.....Complete

Before Start

Passenger Briefing....Complete
Seats.....Adjusted & Locked
Seat belts.....Adjust & Secure
Doors.....Closed
Master Switch(ALT&BAT)....On
Beacon.....On
Flaps.....Retract

Engine Start

Mixture.....Rich
Throttle.....Pump then ¼ Open
Magnetos.....Both
Starter.....Pull
Throttle.....800-1000RPM
Oil Pressure.....Check
Mixture.....Lean 1 Inch
Avionics Master.....On

Run-Up

Brakes.....Hold
Circuit Breakers.....Check
Mixture.....Rich
Throttle.....1700 RPM
Magnetos.....Check
(150 Drop Max/75 Difference)
Carb Heat.....Check
Ammeter.....Check

Before Takeoff

Flaps.....Set
Mixture.....Set
Aircraft Lights.....Set
Pitot Heat.....As Required

Climb

Flaps.....Up
Aircraft Lights.....Set
Mixture.....Set for Altitude

Cruise

Cruise Power.....Set
Mixture.....As Required
Aircraft Lights.....As Required
Pitot Heat.....As Required

Descent

Seats & Seat Belts.....Secure
Altimeter.....Set
Aircraft Lights.....Set
Mixture.....Set
Carb Heat.....As Required
Approach Briefing.....Complete

Final Check

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Mixture.....	Set	Right Landing Gear.....	Check
Flaps.....	Set	Propeller.....	Check
Approach.....	Stabilized	Nose Landing Gear.....	Check
		Left Landing Gear.....	Check
		Left Wing.....	Check
		Pitot/Cowl Cover.....	Install
		Flight Plan.....	Closed

After Landing

Aircraft Lights.....	Set
Pitot Heat.....	Off
Flaps.....	Up
Mixture.....	Lean
Carb Heat.....	Off
Elevator Trim.....	Set for Takeoff

Shutdown

Avionics Master.....	Off
Aircraft Lights.....	Off
Pitot Heat.....	Off
Throttle.....	800-1000 RPM
Magneto Check.....	Complete
Mixture.....	Cut-Off
Magnetos.....	Off
Master Switch(Alt&BAT).....	Off
Gi275's.....	Power Off
Hobbs Time.....	Record

Securing

Flight Controls.....	Secure
Chock/Tie Down...	As Required
Rudder/Elevator.....	Check
Right Empennage.....	Check
Right Wing.....	Check

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Emergency Procedures

Boxed Items Should be Memorized

Engine Failure Immediately After Takeoff

Airspeed.....	Maintain Safe Airspeed
Cabin Door.....	Unlatch
Land.....	Straight Ahead

Engine Failure During Flight

Airspeed.....	65 MPH
Place to Land.....	Pilot Option
Mixture.....	Push Full Rich
Fuel Valve.....	On
Magneto Switch.....	Both
Starter.....	(if propeller has stopped) Pull/Start

Engine Instruments.....Check
Magneto Switch.....Check

Power NOT Restored

Proceed to Power-Off Landing Checklist on the next page.

Power Restored

Land as soon as practical

Ditching

Seats & Seat Belts.....Secure
Windows.....Open
Transponder.....7700
Flaps.....Pilot's Discretion
Touchdown.....Level

Attitude

Evacuate Through Cabin Doors

Power-Off Landing

Airspeed.....	65 MPH
Place to Land.....	Pilot Option
Seats & Seat Belts.....	Secure

If time and altitude permit:

Transponder.....	7700
Radio.....	Mayday Transmit
Throttle.....	Idle
Mixture.....	Cut-Off
Fuel Valve.....	Shutoff
Magneto Switch.....	Off
Master Switch.....	Off

Engine Fire During Start

Starter.....	Continue Cranking
If Engine Starts:	
Power.....	1800 RPM for One Minute
Engine.....	Shutdown and Inspect
If Engine Does NOT Start:	
Starter.....	Continue Cranking
Throttle.....	Full Open
Mixture.....	Pull/Cut-Off
Fuel Valve.....	Off
Magnetos.....	Off
Master Switch(ALT&BAT).....	Off

Engine Fire In Flight

Mixture.....	Pull/Cut-Off
Fuel Valve.....	Off
Airspeed.....	100 MPH

Forced Landing.....Execute
Proceed to Power-Off Landing Checklist above.

Cabin/Electrical Fire

Master(ALT&BAT).....	Off
Avionics Master.....	Off
Windows.....	Closed
Cabin Vents.....	Closed
Cabin Heat.....	Off
Fire Extinguisher.....	Activate

After Fire is extinguished:

Windows.....Open
Cabin Vents/Heat.....As Needed

If Fire Appears Out and Electrical Power is Needed:

Electrical Switches (Except Magnetos).....All Off
Circuit Breakers.....Do NOT Reset
Master Switch(ALT&BAT).....On
Avionics Master.....On
Electrical Switches.....On, One at a Time, As Required
Land as soon as possible and inspect for damage.

Emergency Descent

Throttle.....	Idle
Mixture.....	Rich
Bank.....	30°- 45°
Airspeed.....	Do not Exceed 120 MPH
Rollout.....	Pilot Option

In the event of an engine fire, the mixture should be Cut-Off

Spin Recovery (PARE)

Power.....	Idle
Ailerons.....	Neutral
Rudder.....	Full Opposite Direction of Rotation
Elevator.....	Briskly Forward
When Rotation Stops:	

Rudder.....	Neutral
Power.....	As Required

Abnormal Procedures

Loss of Communication

- Radio Volume.....Adjust
 - Headset Jack and Volume.....Check
 - Push-to-Talk
 - Switch.....Check
 - Circuit Breakers.....Check, If Open, Do NOT Reset
 - Transponder.....Squawk 7600
- Proceed as necessary for VFR or IFR Conditions.

Alternate Courses of Action:

- Attempt to use different frequencies
- Try other push to talk switch
- Set audio panel to speaker (SPKR)
- Use your cell phone to call flight service 1-800-992-7433

Engine Roughness

- Mixture.....Adjust for Maximum Smoothness
 - Fuel Valve.....On
 - Carb Heat.....On
 - Magneto Switch.....L then R then Both
- If operation is satisfactory on either magneto, proceed on that magneto at a reduced power setting to the nearest airport.

If engine roughness persists:

Prepare for a power-off landing (Page 8)

Low Oil Pressure

- Oil Pressure.....Check
 - Oil Temperature.....Check
- Prepare for a Power-Off Landing (Page 8)

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High Oil Temperature

Mixture.....Rich

Throttle.....Reduce

Airspeed.....Increase

Oil Pressure.....Check

Oil Temperature.....Check

Prepare for a Power-Off

Landing (Page 8)