



CHECKLIST

Cessna 150

VH-SLL



CESSNA 150 VH-SLL AIRCRAFT SPECIFICATIONS

Airspeeds for Normal Operations

Take off & Landing Speeds

Rotate Speed (Vr)	50kts	Normal Approach (Flaps Up)	65kts
Take Off Safety Speed	54kts	Normal Approach (Flaps 30°)	60kts
Best Angle (Vx)	55kts	Short Field Approach (Flaps 40°)	55kts
Best Rate (Vy)	68kts	Baulked Approach (Max Power & Flap 20°)	55kts

General Speeds

Never Exceed (Vne)	164kts	Max Window Open	143kts
Max Normal Operating (Vno)	123kts	Level Stall Speed (Vs) – flap up	50kts
Max Maneuvering (Va)	105kts	Level Stall Speed (Vso) – flap down	41kts
Max Flap Extension	85kts	Max Crosswind	13kts

Fuel & Oil

Fuel Type	100LL or 100/130 Avgas	Engine Type and Horsepower	Continental 100BHP @ 2750RPM
Maximum Fuel	143 litres	Oil Grade	Aero W100
Max Useable Fuel	132 litres	Maximum Oil	6 Quarts
Fuel Consumption	22 Litres/Hour	Minimum Oil	4 Quarts

****Note: 100LL Avgas is BLUE in colour and 100/130Avgas is GREEN****

Performance

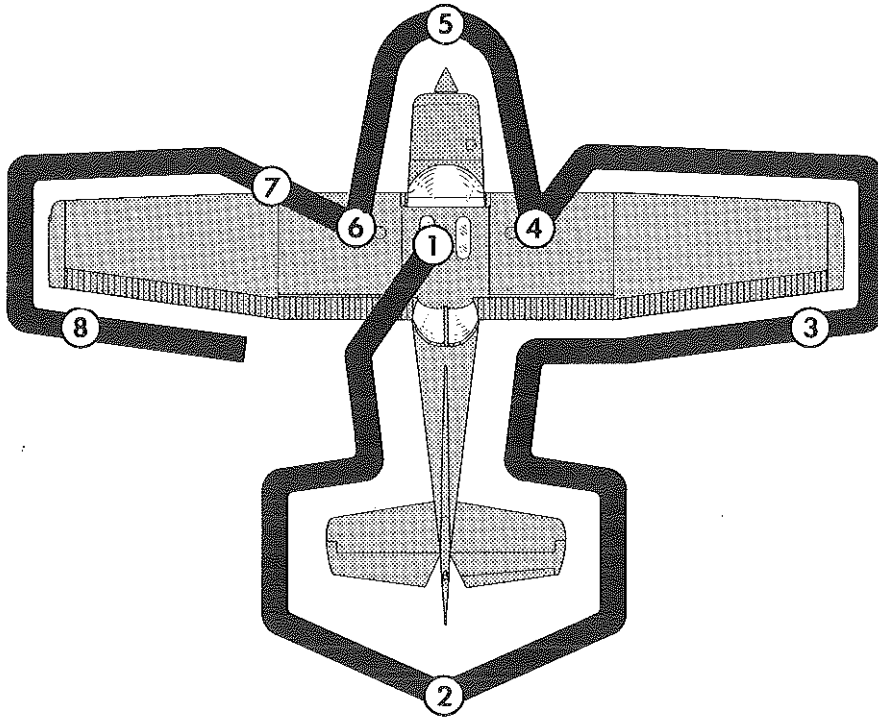
Basic Empty Weight	512Kg	Maximum Power	2750 RPM
Max Take off Weight	725 kg	Static Power	2460 – 2560 RPM
Max Landing Weight	725 kg	Normal Cruise	2400 RPM

**** Note: With Full tanks VH-SLL can easily be overloaded! ****

PREFLIGHT

SECTION 4
NORMAL PROCEDURES

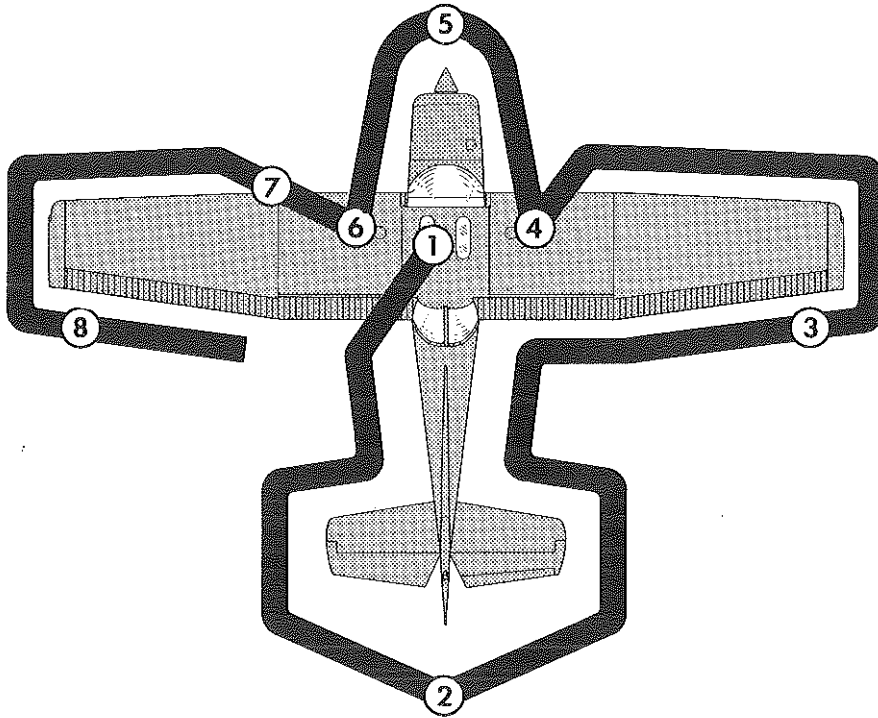
CESSNA
MODEL 152



NOTE

Visually check airplane for general condition during walk-around inspection. In cold weather, remove even small accumulations of frost, ice or snow from wing, tail and control surfaces. Also, make sure that control surfaces contain no internal accumulations of ice or debris. Prior to flight, check that pitot heater (if installed) is warm to touch within 30 seconds with battery and pitot heat switches on. If a night flight is planned, check operation of all lights, and make sure a flashlight is available.

Figure 4-1. Preflight Inspection



NOTE

Visually check airplane for general condition during walk-around inspection. In cold weather, remove even small accumulations of frost, ice or snow from wing, tail and control surfaces. Also, make sure that control surfaces contain no internal accumulations of ice or debris. Prior to flight, check that pitot heater (if installed) is warm to touch within 30 seconds with battery and pitot heat switches on. If a night flight is planned, check operation of all lights, and make sure a flashlight is available.

Figure 4-1. Preflight Inspection

1) COCKPIT

Control Locks	Remove
Ignition	Off, Key Removed
Master Switch	On
Flaps	Extend
Lights and Strobes	On and Check
Master Switch	Off
Fuel	Check Quantity
Dip and Drain	
Flight Record Sheet	Record Fuel and VDO

EXTERIOR

2) *Left Fuselage*

Skin	Check surface condition
Tail	
Left Stabilizer	Check Condition and security
Left Elevator	Check Condition Full Free movement Check linkages
Right Elevator	Check Condition Full Free movement Check linkages
Trim Tab	Check condition and linkages
Right Stabilizer	Check condition and security

Right Fuselage

Skin	Check surface condition
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3) *Right Wing*

Flap	Check surface condition Check linkages and runners
Aileron	Check surface condition Linkages and hinges secure Balance weights secure Full free movement
Wing Tip	Check condition and Security
Lower Wing Surface	Check condition
Wing Leading Edge	Check for Dents along entire length

4) *Landing Gear*

Tyre	Check tread and general condition Check correct inflation
Hydraulic Line	Check for leaks

Disc Brake	Check condition
Strut and Fairing	Check condition

5) Front Fuselage and Engine

Windscreen	Condition and cleanliness
Cowling	condition and security
	Open access panel and check oil
Propeller	Look for chips and cracks (esp. leading edge)
Spinner	condition and security
	Intakes clear
	Landing Light unbroken
Nose Strut	Check oleo extension
	Check linkage, nuts and split pins secure
	No leakage from shimmy damper or oleo
Nose Wheel	Check tread and general condition
	Check correct inflation
Stand Back and Check	Fuel Caps ON
	Tie downs OFF
	Start Up Area CLEAR, NO LOOSE STONES
	Prop Wash Area CLEAR
	General condition of aircraft GOOD
Static Vent	Clear

6) Landing Gear

Tyre	Check tread and general condition
	Check correct inflation
Hydraulic Line	Check for leaks
Disc Brake	Check condition
Strut and Fairing	Check condition

7) Left Wing

Wing Leading Edge	Check for Dents along entire length
	Check Pitot tube Clear
	Check Stall Warning horn
	Check fuel Vent Clear
Wing Tip	Check condition and Security
Lower Wing Surface	Check condition
Aileron	Check surface condition
	Linkages and hinges secure
	Balance weights secure
	Full free movement
Flap	Check surface condition
	Check linkages and runners
Wing Strut	Check condition and security

Pre Start

Pre Flight Inspection	Complete
Position	Clear
Maintenance Release	Check
Flight Manual	On-board
Pax Brief	<ul style="list-style-type: none">• Entry and exit points/emergency exits• Seat adjustment• Seatbelt usage• Stowage of loose items• Ventilation outlets and controls• Remain clear of flight controls• Emergency Equipment and how to use• No Smoking policy• Flight details
Security	Check
Seats	Adjusted and Secured
Hatches & Harness	Secure
Fuel	On and sufficient
Circuit breakers	set
Mixture	Rich
Throttle	Open 10mm
Friction Nut	Set
Carby Heat	Cold/off
Switches and Avionics	Off
Trims	Set
Rotating Beacon	On
Battery	On
Flaps	Up
Oil Temp	Check
Prime	As Req'd
Nav Lights	As Req'd
Brakes	Test and Set
Clear Prop	Start

AFTER START

ROVER

R evs	Set 1000
O il Pressure	Green within 30 seconds
V acuum	Check
E lectrics	Alternator On – Charging
R adio	On & Check Frequency and Squelch
	Transponder SBY Code set
	Rotating Beacon..... On
	Taxi/Landing Lights ...As Req'd

TAXI

BAG

B reaks	Test and check
A vionics	Check and set
G yro's	Check

PRE TAKEOFF – BRAKES ON

T rim	Check and Set
M ixture	Rich
P rimers	In and Locked
F uel	On and sufficient
I nstruments	Attitude IndicatorSet Altimeter Elevation/QNH set Directional Gyro Set Turn Co coordinatorNo Flags Temps & Pressure GREEN
S witches	Test Idle Set 1700RPM Carby Heat Test Magnetos <ul style="list-style-type: none">• Max Drop 125RPM• Max Difference 50 RPM• Smooth Running Engine Instruments <ul style="list-style-type: none">• Vacuum GREEN• Temps and PressuresGREEN• AmmeterPOSITIVE CHARGE Set 1000RPM Circuit Breakers In
C ontrols	Full Free and correct Flaps ... cycle and set
H atches and Harnesses	Secure
E mergency Brief	Complete
D eparture brief	Complete

LINING UP

LIGHTS, CAMERA, ACTION

Land Light & Strobes	ON
Transponder	ON 'ALTITUDE'
DI & Compass	CHECK ALIGNED

AFTER TAKEOFF/ GO AROUND

PUFSIT

P ower	Full
U ndercarriage	Fixed
F laps	Retract
S witches	Landing Lights off
I nstruments	Climb performance, Centreline tracking Check
T emps and Pressure	Green

MANOEUVRES

HASEL

H eight	Sufficient to safely complete all manoeuvres
A rea	Suitable
S ecurity	Cabin secure/seats/harnesses
E ngine	Power and Mixture Checked Engine T's and P's Green
L ookout	Area Clear

ENROUTE

CLEAROFFS

C ompass & C ourse	Align and Tracking
L og	ETA's
E ngine	Lean and Green
A ltitude	QNH set and correct
R adios	Frequency set and correct
	Nav aids - Tuned
	Identified
	Tested
O rientation	
F uel	Log and contents
F orced Landing	
S artime	

PRELANDING/DOWNWIND

BUMFISH

B rakes	Pressure and off
U ndercarriage	Fixed
M ixture	Rich
F uel	On and sufficient
I nstruments	Altitude
	T's and P's Green
S witches	Landing Lights on
H atches and H arness	Secure

FINAL

CPUFF

C arby Ht	Off
P itch	Full Fine (N/A in C152)
U ndercarriage	Fixed
F lap	as req'd
F uel	Sufficient for Go-Around

AFTER LANDING

FLAPS	Identified and Retracted
Transponder	SBY
Carby Heat	Off

SHUTDOWN

Throttle	Set 1000RPM
Avionics	Radios and Nav aids Off
Mixture	Idle Cut off
Switches	Off, except Rotating Beacon
Ignition	Off and Keys out
Master Switch	Off

EMERGENCIES

POWER LOSS IN FLIGHT

FM COST

F uel	On, Primer In and Locked
M ixture	Rich
C arby Heat	On
O il	T's and P's Check
S witches	Mag Check
T hrottle	Cycle and set

ENGINE FIRE ON GROUND

Cranking	Continue
If Engine Starts:	1700RPM for short time, shutdown and inspect for damage

If Engine Fails to Start:

Throttle	Full Open
Mixture	Idle cut off
Cranking	Continue to attempt a start
Fire Extinguisher	Ready
Fuel	Off
Master	Off
Ignition	Off
Fire Extinguisher	Use
Inspect for Damage	

ENGINE FIRE IN FLIGHT

AIR SPEED	85kts – increase glide speed to extinguish fire
Fuel	Off
Mixture	Idle cut off
Master	Off
Cabin Heat and air	Off, except wing roots
Land as soon as possible	

ELECTRICAL FIRE

Alternator and Master	Off
Switches All except ignition	Off
Vents/Cabin air/Heat	Off
If fire appears to be out	
Alternator and Master	On
Circuit Breakers	Check for faulty circuit... do not reset
Radio/Electrical Switches	On one at a time with a delay after each until short circuit is localized
Vents/Cabin Air/Heat	Open once fire is completely extinguished

ELECTRICAL POWER LOSS

Alternator & Master	Off
Switches	All Off
Alternator	On
Essential Equipment	On
Land	As soon as possible