

N8195V - ROXANNE

Aircraft: Cessna 150M • Checklist.aero



CHECK FUEL AND OIL

FUEL 35 USABLE
OIL 4 MINIMUM
6 MIN FOR EXTENDED FLIGHTS

Preflight Cabin

S.P.A.R.R.O.W. CHECKED
Pitot Cover REMOVED
Control Lock REMOVE
Battery Master Switch ON
Flaps EXTEND
Hobbs/Engine Times RECORD
Lights/Pitot Heat CHECK/OFF
Fuel Quantity VERIFY/SET
Battery Master Switch OFF

Preflight Empennage

Tail Tie-Down DISCONNECT
Control Surfaces CHECK
Trim Tab CHECK
Inspection Panels CHECK
Antennas CHECK

Preflight Right Wing

Flap CHECK
Aileron CHECK
WingTip/Lights CHECK
Inspection Panels CHECK
Wing Tie-Down DISCONNECT
Wing Strut SECURE
Main Wheel/Tire/Brake CHECK
Fuel Drain Valve DRAIN/CHECK
Fuel Quantity DIP THE TANK
Fuel Cap SECURE

Preflight Nose

Engine CHECK
Oil/Dipstick LEVEL
*4 qt minimum (4.5 summer)
fill to 5+ for extended flights*
Fuel Strainer Valve PULL
*Push to ensure closure
SECURE COVER*
Engine Cooling Inlets CLEAR
Propeller/Spinner CONDITION
Taxi/Landing Lights CHECK
Air Filter CLEAR
Nose Wheel/Tire/Strut CHECK
Engine Cowling SECURE
Static Source Opening CLEAR

Preflight Left Wing

Fuel Quantity DIP THE TANK
Fuel Cap SECURE
Pitot Tube/Drain Hole CLEAR
Fuel Tank Vent CLEAR
Stall Warning Opening CLEAR
Wing Tie-Down DISCONNECT
Wing Strut SECURE
WingTip/Lights CHECK
Inspection Panels CHECK
Aileron CHECK
Flap CHECK
Main Wheel/Tire/Brake CHECK
Fuel Drain Valve DRAIN/CHECK

Before Starting Engine

Preflight Inspection COMPLETE
Passenger briefing COMPLETE
SAFE.T.Y.
Seats/Seatbelts
Air Vents
Fire Procedures
Emergency Egress
Talking
Your Questions

Seats/Seatbelts ADJUST/LOCK
Brakes TEST/SET
Fuel selector ON
Elevator Trim SET FOR
TAKEOFF
Alternate Static OFF
Mixture RICH
Carburetor heat COLD
Throttle PUMP X2/1/8"
Circuit Breakers IN
Lights BEACON ON

CAUTION

*The Avionics Master Switch must be
off during engine start to prevent
damage to avionics*

Avionics Switch OFF

Priming Procedure

NOTE

*If engine is warm OMIT Priming
Procedure*

Prime 1-3 PUMPS
Primer IN/LOCKED

Starting Engine

Battery Master Switch ON
Left Mag Switch ON
Beacon/Clock ON
Brakes APPLIED

Propeller area CLEAR
Ignition switch START
Throttle 800-1000 RPM
Oil Pressure CHECK
Mixture LEAN -1"
Avionics Switch ON
Volt Meter ON
Flaps RETRACT
Flap Handle NEUTRAL
Nav/Strobes ON at
Lights NIGHT

Before Taxi

Cabin Heat/Air AS NEEDED
Radios/NavAids CHECK/SET
ATIS/AWOS COPY
BARO/ALT/HDG
Transponder ALT/SQWK
No Annunciations

Taxi

Airport Diagram Available
Taxi Clearance Obtain
Taxi Route BRIEF
Taxi Area CLEAR
Lights AS NEEDED
Brakes TEST/RELEASE
Throttle ADJUST FOR
MIN BRAKING
Flight Controls WIND
CORRECTION

Run-Up / Before Takeoff

Seats/Seatbelts SECURE
Seat Backs UPRIGHT
Cabin Doors CLOSED
Flight Controls CORRECT
Flight Instruments SET
Fuel Quantity CHECKED
Mixture 1/2" IN
Carb Heat COLD
Throttle 1,700 RPM
*1.Mag Check: 125/50max
2.Carb Heat: CHECK RPM/TEMP
3.Engine Instruments: CHECKED
4.Amps/Volts: -14V
5.Mixture: SET MAX POWER*
Messages/Alerts CHECKED
Throttle CHECK IDLE
Throttle 800-1000 RPM
Throttle Friction Lock ADJUST
Parking Brake RELEASE

Before Takeoff - Hold Short Line

Frequency TWR/CTAF/DEP
Elevator Trim SET FOR TAKEOFF
Flaps 0-10
Takeoff Brief BRIEF
*Runway/Takeoff Type
Type/Speeds/HDG/ALT
—ENGINE LOSS—
Runway: STOP/ANNOUNCE
Airborne: LAND/ANNOUNCE
Below 1000 AGL: PITCH 60/LAND
Above 1000 AGL: PITCH 60
(consider returning to the airport)
Choose an Abort Point*
Lights AS REQUIRED

Normal Takeoff

Flaps 0
Throttle FULL
Vr 55 KIAS
Accelerate to 70 KIAS
Best Climb ~70-80 KIAS

Short Field Takeoff

Flaps 10
Use All Available
Runway
Hold Brakes/Full
Power/Check RPM
Release Brakes
Vr 52 KIAS
Vy 59 KIAS
Obstacle Clear 70 KIAS/Flaps Up

Soft Field Takeoff

Flaps 10
Elevator FULL AFT/NO BRAKES
Rotate REMAIN IN GROUND EFFECT
Vx 58 KIAS
Obstacle Clear 70 KIAS/Flaps Up

Enroute Climb

Airspeed 75-80 KIAS
Throttle ~FULL
*Monitor Engine Temps
CHTs and Oil Temp*
Carb Heat OFF
Mixture RICH BELOW 3000' DA

Cruise Flight

Throttle 2000 - 2600 RPM
no more than 75%
Carb Heat AS NEEDED
Elevator Trim ADJUST
Mixture LEANED
Lights AS NEEDED

Before Descent

Weather/ATIS OBTAIN
Instruments SET
VOR/GPS Setup AS NEEDED
Fuel ON
Mixture ADJUST
Carb Heat AS NEEDED

Before Landing

Seat Backs UPRIGHT
Safety belts FASTENED
Fuel selector ON
Mixture ADJUST/SET
Engine Instruments. CHECKED
Landing light ON

Normal Landing

Airspeed (w/flaps 20) 55-60
Airspeed (no flaps) 60-70
Flaps AS NEEDED
Below 87 KIAS

Short Field Landing

Flaps 40
Airspeed 52 KIAS
Aerodynamic Braking
*Flaps Up
Yoke Aft
Apply Brakes*

Soft Field Landing

Flaps 20-30
Hold Nose Wheel Off
Brakes MINIMUM

Balked Landing/Go Around

Throttle FULL
Carb Heat OFF
Flaps RETRACT SLOWLY
Climb 65 KIAS

After Landing (Clear of Runway)

Carb Heat OFF
Aircraft CLEAR OF RUNWAY
FULL STOP
Throttle 800-1000 RPM
Mixture Lean ~1"
Flaps UP
Lights AS NEEDED
Transponder ALT/1200
Pitot Heat OFF
Taxi Clearance BRIEF
Taxi MIN BRAKE USE

Securing Aircraft

Parking Brake OFF if CHOCKED
Lights OFF
BEACON/CLOCK - ON
Avionics Switch OFF
Throttle IDLE
Magnetos CHECK GROUND
Instructors ONLY
Mixture PULL CUTOFF
Battery Master/ALT OFF
Left Magneto OFF
Ignition Key OFF/OUT
Control Wheel Lock INSTALL
Pitot Tube Cover INSTALL
Sun Shield INSTALL
Tie-Downs/Chocks INSTALLED
Aircraft LOCKED
Flight Plan CLOSED

V-Speeds / Specs

X-Wind (Max Demo): 15 Knots

Best Glide 70 KIAS
Vx 58 KIAS
Vy 70 KIAS
Vso (dirty) 43 KIAS
Vs1 (clean) 49 KIAS
Vfe 87 KIAS
Va (1600#) 102 KIAS
Va (1550#) 95 KIAS
Va (1500#) 85 KIAS
Vno 121 KIAS
Vne 168 KIAS

Aircraft Information

Fuel Type 100LL (Blue)
Fuel Capacity 35 Gal Usable
Oil Capacity 6qts / Min 4qts
Electrical 12 Volts
Tire PSI Nose-30/Main-21