



THRUST FLIGHT

Elevate Your Experience

Cessna 152

PREFLIGHT INSPECTION

INTERIOR

Ignition OFF
 Control Wheel Lock REMOVE
 Master Switch ON
 Lights Check Operable
 Fuel Quantity Indicators Check
 Flaps Down
 Master Switch OFF
 Fuel Shutoff Valve ON

EXTERIOR

Fuselage EXAMINE
 Tail Tie down DISCONNECT
 Control Surfaces CHECK
 (Freedom of movement and security)
 Elevator Trim Tab CHECK (Security)
 Antennas CHECK
 (Security and general condition)
 R WING FLAP CHECK (Security
 and condition)
 R WING AILERON CHECK
 (Freedom of movement and security)
 R Wing Tiedown DISCONNECT
 R Main Wheel Tire CHECK
 R WING Fuel Tank Sump DRAIN (1)
 R WING FUEL Quantity CHECK
 (Visually)
 NOSE Fuel Strainer (1)
 ENGINE OIL/DIPSTICK CHECK
4 quarts min, 5 preferred
 Engine Cooling Air Inlets CHECK
 Propeller and Spinner CHECK
 (Nicks and security)
 Air Filter CHECK
 (Free Of Obstructions)
 Nosewheel Strut and Tire CHECK

Static Source Opening CHECK Clear
 Stall Warning Opening CHECK
 Landing/Taxi Lights CHECK condition
 L Wing Tie down DISCONNECT
 L Wing Fuel Quantity CHECK
 L Wing Fuel Sump DRAIN
 L Main Wheel Tire CHECK
 L Wing Aileron CHECK
 (Freedom of movement and security)
 L Wing Flap CHECK
 (Security and Condition)

ENGINE START

Preflight Inspection COMPLETE
 Seat belts ADJUST and LOCK
 Fuel Shutoff Valve ON
 Radios, Electrical equipment OFF
 Brakes TEST and SET
 Circuit breakers CHECK IN
 Mixture RICH
 Carburetor Heat COLD
 Prime AS REQUIRED
 (up to 3 strokes)
 Throttle OPEN ¼ INCH
 Propeller Area CLEAR
 Master Switch ON
 Beacon Light ON
 Ignition Switch START
 Oil Pressure CHECK
 Flaps UP

BEFORE TAXI

Brakes TEST
 Flaps UP
 WX/ATIS OBTAIN
 Flight Instruments SET
 Flight Plan ENTER/ACTIVATE
 Doors SECURE

TAXI

Wind Correction APPLY
 Flight Instruments CHECK

BEFORE TAKEOFF - RUN-UP

Parking Brake SET
 Flight Controls FREE and CORRECT
 Flight instruments SET
 Fuel Shutoff Valve ON
 Mixture RICH
 Elevator Trim TAKEOFF
 Throttle 1700 RPM
 Magnetos CHECK
 (RPM max Drop of 125 RPM with in 50
 RPM of each other)
 Carburetor Heat CHECK
 Engine Instruments CHECK
 Ammeter CHECK
 Suction Gage CHECK
 Throttle CHECK IDLE
 Throttle 1000 RPM or LESS
 Primer Verify Locked
 Radios SET
 Lights AS REQUIRED
 Throttle Friction Lock ADJUST
 Brakes Release

Departure & Emergency Takeoff Briefing:

Departure Plan
 Known Hazards/Obstacles
 On takeoff Roll
 After lift off, Below 1,000ft AGL
 Above 1,000ft AGL and/or turned
 Crosswind
 Review Takeoff Checklist

TAKEOFF - CLIMB

Wing Flaps 0-10°
 Carburetor Heat COLD
 Throttle FULL OPEN
 Elevator Control (LIFT NOSE WHEEL
 AT 50 KIAS)
 Climb Speed 65-75 KIAS

CRUISE

Throttle 1900-2550 RPM
 Elevator Trim ADJUST
 Mixture LEAN
 Lights AS REQUIRED

PRE-MANUEVER

Mixture RICH (as necessary)
 Lights ON
 Area CLEAR
 Aircraft CONFIGURE

DESCENT - LANDING

Seat Belts ADJUST and LOCK
 Mixture RICH
 Carburetor Heat ON
 Airspeed 60-70 KIAS
 Wing Flaps AS DESIRED
 (below 85 KIAS)
 Braking MINIMUM REQUIRED

GO AROUND

Throttle MAX
 Flaps 10°
 Climb 55 KIAS
 Above 200' AGL
 Flaps UP

AFTER LANDING - TAXI

Flaps	UP
Carburetor Heat	COLD
Lights	As Required
Radios	SET

SHUT DOWN/SECURING

Lights	OFF
Electrical Equipment	OFF
Mixture	CUT-OFF
Ignition Switch	OFF
Master Switch	OFF
Engine/Flight Time	RECORD
Control Lock	INSTALL
Doors	CLOSE & LOCK
Tie-downs/Chocks	SECURE

ENGINE FAILURE IN FLIGHT

Airspeed	60 KIAS
Best Place to Land	IDENTIFY
Carburetor Heat	ON
Primer	IN and LOCKED
Fuel Shutoff Valve	ON
Mixture	RICH
Ignition Switch	BOTH

(START if propeller is stopped)

If altitude permits, declare emergency on 121.5, activate ELT, squawk 7700.

LANDING WITHOUT POWER

Airspeed	60 KIAS
Mixture	IDLE CUT-OFF
Fuel Shutoff Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF
Doors	UNLATCHED
Touchdown	SLIGHTLY TAIL LOW
Brakes	APPLY HEAVILY

ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Shutoff Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	65 KIAS
Forced landing	EXECUTE

ENGINE FIRE DURING START

Cranking	CONTINUE
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If engine starts:

Power	1700RPM
Engine	SHUTDOWN

If engine fails to start:

Cranking	CONTINUE
Fire Extinguisher	OBTAIN
Master	OFF
Ignition Switch	OFF
Fuel Shutoff Valve	OFF
Fire	EXTINGUISH
Fire damage	INSPECT

WING FIRE

Navigation Light Switch	OFF
Strobe Light Switch	OFF
Pitot heat Switch	OFF

Perform Sideslip to keep flames away from fuel tank and cabin

LANDING WITH A FLAT MAIN TIRE

Wing Flaps	AS DESIRED
Approach	NORMAL
Touchdown	GOOD TIRE FIRST

OVER-VOLTAGE

Master Switch	OFF
Master Switch	ON
Over-Voltage light	OFF

If over-voltage light illuminates again:
Flight TERMINATE

AMMETER SHOW DISCHARGE

Alternator	OFF
Nonessential Electrical Equipment	OFF

Flight TERMINATE

LOST COMMUNICATIONS

RADIO	Verify Frequency
Volume/Squelch	Adjust
Push To Talk	Verify Transmitting
COMMS	Switch radios/Frequency

If 2-way communications not re-established

Squawk	7600
Land	.As soon as practicable (Recall Light Gun Signals)



Thrust Flight
4700 Airport Parkway
Addison, Texas 75001
972.735.9099

**After Hours Manager 972.735.9099
ext. 107**

KADS

ATIS (972-628-2439)	133.40
Ground	121.60
Tower (972-628-2420)	126.00
Approach (972-615-2500)	124.3/124.25
Atlantic (Fuel - 972-713-7000)	122.85

Vr – 50 KIAS

Vx – 55 KIAS

Vy – 67 KIAS

Va – 104 KIAS

Vfe – 85 KIAS

Vg – 60 KIAS

Vno – 111 KIAS

Vne – 149 KIAS

Vs1 – 40 KIAS

Vso – 35 KIAS