

**Cessna 152****N4777H/N70739****Preflight Inspection Cockpit**

Aircraft Docs (AROW)	<b>Check</b>
Weight & Balance	<b>Check</b>
Control Wheel Lock	<b>Remove</b>
Hobbs Meter	<b>Check</b>
Ignition Switch	<b>Off</b>
Master Switch	<b>On</b>
Fuel Quantity Indicators	<b>Check</b>
Lights	<b>On/Check</b>
Lights (except beacon)	<b>Off</b>
Flaps	<b>Extend</b>
Master Switch	<b>Off</b>
Fuel Shutoff Valve	<b>On</b>

**Fuselage & Empennage**

Horizontal Stabilizer	<b>Check</b>
Elevator	<b>Check</b>
Trim Tab	<b>Check</b>
Vertical Stabilizer	<b>Check</b>
Rudder	<b>Check</b>
Tail Tie Down	<b>Remove</b>
Antennas	<b>Check</b>

**Right Wing**

Flap	<b>Check</b>
Aileron	<b>Check</b>
Wing Tip	<b>Check</b>
Leading Edge	<b>Check</b>
Wing Tie Down	<b>Remove</b>
Main Tire/Brake	<b>Check</b>
Fuel Tank Sump	<b>Sample</b>
Fuel Quantity	<b>Check</b>
Fuel Cap	<b>Secure</b>

**Nose**

Engine Oil Level	<b>Check</b>
Fuel Strainer	<b>Sump</b>
Propeller	<b>Check</b>
Spinner	<b>Check</b>
Alternator Belt	<b>Check</b>
Exhaust Pipe	<b>Check</b>
Air Intake	<b>Check</b>
Carburetor Filter	<b>Check</b>
Nose Wheel/Strut	<b>Check</b>
Static Source	<b>Open</b>

**Left Wing**

Fuel Tank Sump	<b>Sample</b>
Fuel Quantity	<b>Check</b>
Fuel Cap	<b>Secure</b>
Pitot Tube	<b>Open</b>
Fuel Vent	<b>Open</b>
Stall Warning	<b>Open</b>
Wing Tie Down	<b>Remove</b>
Leading Edge	<b>Check</b>
Wing Tip	<b>Check</b>
Aileron	<b>Check</b>
Flap	<b>Check</b>
Main Wheel Brake	<b>Check</b>

**Before Engine Start**

Preflight	<b>Complete</b>
Passenger Brief	<b>Complete</b>
Seats/Belt	<b>Adjust/Lock</b>
Doors	<b>Closed/Locked</b>
Brakes	<b>Test/Set</b>
Circuit Breakers	<b>Check In</b>
Lights/Electrical	<b>Off</b>
Fuel Shutoff Valve	<b>On</b>

**Starting Engine**

Throttle	<b>1/2 Inch</b>
Mixture	<b>Rich</b>
Carburetor Heat	<b>Off</b>
Prime	<b>As Required</b>
Propeller Area	<b>Clear</b>
Master Switch	<b>On</b>
Beacon	<b>On</b>
Ignition	<b>Start</b>
Throttle	<b>800-1000 RPM</b>
Oil Pressure	<b>Check Normal</b>
Ammeter	<b>Positive</b>
Radio	<b>Set</b>
Transponder	<b>On</b>
Flaps	<b>Retract</b>
Heading Indicator	<b>Set</b>
Weather/ATIS	<b>Obtain</b>
Altimeter	<b>Set</b>

**Before Takeoff**

Brakes	<b>Set</b>
Cabin Doors	<b>Closed/Locked</b>
Seats/Belts	<b>Adjust/Lock</b>
Flight Controls	<b>Free/Correct</b>

Fuel Shut Off Valve	<b>On</b>
Fuel Quantity	<b>Check</b>
Mixture	<b>Rich</b>
Instruments	<b>Set</b>
Elevator Trim	<b>Set/Takeoff</b>
Throttle	<b>1700 RPM</b>
Magnetos	<b>Check</b>
Carburetor Heat	<b>On/Check/Off</b>
Suction Gauge	<b>Check</b>
Engine Instruments	<b>Check</b>
Ammeter	<b>Check</b>
Throttle	<b>800 RPM</b>
Friction Lock	<b>Set</b>
Radio	<b>Set</b>
Flaps	<b>As Needed</b>
Windows	<b>Closed</b>
Lights	<b>As Required</b>
Transponder	<b>Set/Altitude</b>
Brakes	<b>Release</b>

**Normal Takeoff**

Flaps	<b>Up</b>
Trim	<b>Set/Takeoff</b>
Carburetor Heat	<b>Off</b>
Throttle	<b>Full Open</b>
Elevator Trim	<b>Rotate 50 kts</b>
Climb Speed	<b>65-75 kts</b>

**Enroute Climb**

Airspeed	<b>70-80 kts</b>
Throttle	<b>Full Open</b>
Mixture	<b>Rich</b>

**Cruise**

Power	<b>As Required</b>
Mixture	<b>Lean</b>
Trim	<b>As Required</b>
Lights	<b>As Required</b>

**Descent**

Weather/ATIS	<b>Obtain, then set Altimeter</b>
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Fuel Shutoff Valve	<b>On</b>
Power	<b>As Required</b>
Mixture	<b>Adjust</b>
Lights	<b>As Required</b>
Radio	<b>Set</b>

**Approach**

Instruments	<b>Check/Set</b>
Carburetor Heat	<b>On</b>
Mixture	<b>Rich</b>
Airspeed	<b>60-70 (Flaps Up) 55-65 (Flaps Dn)</b>

**After Landing**

Flaps	<b>Up</b>
Carburetor Heat	<b>Off</b>
Lights	<b>As Required</b>

**Parking**

Radio	<b>Off</b>
Lights/Electrical	<b>Off</b>
Mixture	<b>Idle Cut-Off</b>
Ignition Switch	<b>Off</b>
Master Switch	<b>Off</b>

**Secure Aircraft**

Control Lock	<b>Install</b>
Hobbs	<b>Record</b>
Doors/Windows	<b>Closed/Locked</b>
Tie Downs	<b>Secure</b>

**Short Field****Takeoff**

Flaps	<b>10°</b>
Taxi	<b>Max Runway</b>
Brakes	<b>Apply</b>
Throttle	<b>Full Open</b>
Brakes	<b>Release</b>
Lift Off	<b>50 KIAS</b>
At 50 Feet	<b>54 KIAS</b>
Flaps	<b>Retract</b>

**Short Field****Landing**

Approach Speed	<b>54 KIAS</b>
Flaps	<b>30°</b>
Throttle	<b>As Needed</b>
Touchdown	<b>Main Wheels</b>
Brakes	<b>Apply Heavily</b>
Flaps	<b>Retract</b>

**Go Around**

Throttle **Full Open**  
 Carburetor Heat **Off**  
 Flaps (Immediate) **Retract 20°**  
 Climb Speed **55 KIAS**  
 Flaps (When Safe) **Retract**

**Engine Failure  
Takeoff Roll**

Thottle **Idle**  
 Brakes **Apply**  
 Mixture **Idle Cut Off**  
 Flaps **Retract**  
 Ignition Switch **Off**  
 Master Switch **Off**

**Engine Failure  
After Takeoff**

Airspeed **60 Flaps Up**  
 Land **Straight Ahead**  
 Mixture **Idle Cut Off**  
 Fuel Shutoff Valve **Off**  
 Ignition Switch **Off**  
 Flaps **As Required**  
 Master Switch **Off**  
 Cabin Doors **Unlatch**

**Engine Failure  
During Flight**

Airspeed **60 KIAS**  
 Carburetor Heat **On**  
 Fuel Shut Off Valve **On**  
 Mixture **Rich**  
 Ignition Switch **Both or Start**  
 Primer **In/Locked**

**Forced Landing  
No Power**

Seats/Belts **Adjust/Lock**  
 Airspeed **65 kts-Flaps Up**  
**60 kts-Flaps Dn**  
 Mixture **Idle Cut Off**  
 Fuel Shutoff Valve **Off**  
 Ignition Switch **Off**  
 Flaps **As Required**  
**Recommend 30°**  
 Master Switch **Off**  
 Doors **Unlatch**  
 Touchdown **Tail Low**  
 Brakes **Apply Heavily**

**Engine Fire During Start**

Cranking **Continue**  
**If Engine Starts**  
 Power **1700 RPM**  
**After A Few Minutes**  
 Engine **Shut Down**  
**If Engine Fails to Start**  
 Cranking **Continue**  
 Extinguisher **Obtain**  
 Master Switch **Off**  
 Ignition Switch **Off**  
 Fuel Selector **Off**  
 Fire **Extinguish**

**Cabin Fire**

Master Switch **Off**  
 Vents **Closed**  
 Land As Soon As Possible  
**Engine Fire During Flight**  
 Mixture **Idle Cut Off**  
 Fuel Shutoff Valve **Off**  
 Master Switch **Off**  
 Cabin Heat/Air **Off**  
 Airspeed **85 KIAS**  
 Forced Landing **Execute**

**Electrial Fire in Flight**

Master Switch **Off**  
 Vents/Cabin Heat **Closed**  
 Radio **Off**  
 Transponder **Off**  
 Electrical/Lights **Off**  
 Circuit Breakers **Check for Faults**  
**Do Not Reset Breakers**  
 Electrical/Lights **On**  
**Turn On One At A Time**  
 Radio Switch **On**  
 Transponder **On**  
**Turn On One At A Time**  
 Vents/Cabin Heat **Open**

**Spin Recovery**

Rudder **Full Opposite**  
 Control Wheel **Full Forward**  
 Ailerons **Neutral**  
 Throttle **Idle**  
 Rudder **Neutral**  
 Control Wheel **As Needed**  
 Throttle **As Needed**

**V Speeds (KIAS)**

Vg	<b>60</b>
Vr	<b>50</b>
Normal Climb	<b>70-80</b>
Vx (Sea Level)	<b>55</b>
Vy (Sea Level)	<b>67</b>
Va	
1670	<b>104</b>
1500	<b>98</b>
1350	<b>93</b>
Vfe	<b>85</b>
Vno	<b>111</b>
Vne	<b>149</b>
Vs	<b>40</b>
Vso	<b>35</b>