

Checklist - Cessna172M (F) Flow (D) Do Items

(D) Interior	(D) Before Starting Engine	(F) Normal Take-Off
Control Lock - Remove W&B/Performance Check AROW Docs Master Switch - "ON" Fuel Quantity - Verify Flaps - "Full Down" Master Switch - "OFF"	Exterior Preflight - Complete Seats/Belts/Harnesses - Secure Fuel Selector - "Both" Brakes - Test & Set Avionics - "OFF" Passenger Brief - Complete	Flaps - 0 Degrees "7" Check - Fuel Both Trim - Takeoff Flaps - 0/10 Mixture - Set Carb - Cold
(D) Left Side Fuselage	(D) Starting Engine	Line Up
Baggage Door - Secure Rivets & Screws - Secure Skin - No wrinkles or Dents	Master Switch - "ON" Beacon - "ON" Carb Heat - "Cold" Mixture - Rich Prime - 1 to 3 - As Required	Throttle - "Full" Elevator Rotate - 53 Kts IAS Climb Speed - 64 to 78 Kts IAS
(D) Empennage	(F) After Start ("7" Check)	(F) Max Performance Take-Off
Horizontal Stabilizer - Check Vertical Stabilizer - Check Elevator - Check Rudder - Check Rudder/Elevator Cables - Check Tail Tiedown - Remove Frame - In Alignment	Brakes - Hold Throttle - "Open" 1/8 inch Prop - "CLEAR Prop" Ignition - "Start" Throttle - "Idle" Oil Pressure - Green in 30 Secs	Flaps - 0 Degrees Carb Heat - "Cold" Brakes - Hold Throttle - "FULL" "7" Check - Fuel Both Trim - Takeoff Flaps - 0/10 Mixture - Set Carb - Cold
(D) Right Side Fuselage	(F) Taxi	Breaks - Release
Rivets & Screws - Secure Skin - No wrinkles or Dents	Flaps - "UP" Avionics Master - "ON" Flight Instruments - Check Radios - Check Navigation Systems - Check Auto Pilot - Check ATIS - Monitor Brakes - Roll Check	Attitude - Tail Low Climb Speed - 59Kts IAS Obstruction Cleared - 64 to 78 Kts
(D) Right Wing	(D) Before Takeoff	(F) Soft Field Take-Off
Flaps - In-Track & Lubricated Aileron - Pins/ Counter Weights Aileron - Check Cord Line - Linear Leading Edge - Smooth Wing Tiedown - Remove Fuel Quantity - Check Fuel Cap - Check secure Main Gear, Brake Pad & Tire Fuel Sump - Check Rivets & Screws - Secure	Class G - Communicate Intent Class B/C/D - Get Clearance Aileron - Correct for wind CENTER LINE	Flaps - 10 Degrees Carb Heat - "Cold" NO BRAKE/FULL UP ELEVATOR "7" Check - Fuel Both Trim - Takeoff Flaps - 0/10 Mixture - Set Carb - Cold
(D) Engine	(D) Before Takeoff	(F) Enroute Climb
Oil Level - 6 to 8 Quarts Fuel Strainer - No Water Cowling - Secure Air Vents - No Blockage Prop - Play No Large Nicks Spinner - Secured Carburetor Air Filter - In Place Nose Wheel Tire & Strut Static Port - Clear of Obstruction	Parking Brake - Set Cabin Doors & Windows - Secure Seatbelts & Shoulder Harnesses - Secure Flight Controls - Free & Correct Trim - Set to Takeoff "7" Check - Fuel - Both Trim - Takeoff Flaps - 0/10 Mixture - Set Carb - Cold	Throttle - "FULL" Attitude - Tail Low Rotate - 55 Kts IAS Lift off lower Nose - Stay in Grnd Effect AT Vx (Obstn) or Vy - Norm Clmb Flaps - "Up" Clr Obstruction or at Vy
(D) Left Wing	(D) Before Takeoff	(F) Max Performance Climb
Fuel Quantity - Check Pitot Tube - Clear Stall Warning Vent - Clear Wing Tie-Down - Remove Leading Edge - Smooth Cord Line - Linear Aileron - Pins/ Counter Weights Aileron - Check Flaps - In-Track & Lubricated Main Gear, Brake Pad & Tire Fuel Quantity - Check Fuel Cap - Check secure Rivets & Screws - Secure	Brakes - "Hold" Throttle - 1700 RPM Oil Pressure - Green in 30 Secs Oil Temp - Green Suction - NA Magnetos - 125 RPM / 50 RPM Carburetor Heat - Check for Drop Throttle - Idle & Friction Lock Adj Ammeter - Check Charging Flight Instruments - Recheck/Set Radios - Recheck/Set Transponder - "ALT" - Squawk Set Garmin 696 - TCAS Page Class G - Communicate Intent Class B/C/D - Get Clearance to Takeoff	Airspeed - 59 Kts IAS Throttle - Secured Full Mixture - "Rich" (Lean above 5000)
		(D) Cruise
Fuel Type/s -- Auto Gas/100LL Usable Fuel -- 38 Gal Oil Capacity -- 8 Qts Electrical -- 12-14 Volt/60 Amp Tire PSI -- Nose 31/Main 29		Throttle - 2200 to 2700 RPM Throttle - 75% Max Elevator Trim - As Needed Mixture - Lean as needed Monitor - Oil Temps and Pressure
		V Speeds Kts IAS
		Vr -- 55 VA -- 90-97 Vfe -- 85
		VY -- 78 Vno -- 128 Vs1 -- 54
		VX -- 64 Vne -- 160 Vso -- 41
		X Wind -- 15 Vg -- 65-70
Short Field without Obstacle: 0 Deg Flap Climb @ 59 Until Clear		Max Alt--12500
Short Field without Obstacle OR Soft Field: 10 Degrees of Flaps		KaptnKevo
Aircraft Max Takeoff Weight -- 2300 lbs		
Empty Weight per W&B -- 1483.99 lbs		
Max Useful Load per W&B -- 816.01		

