

PREFLIGHT

Documents - Check (AROW)
Control Lock - Remove
Magnetos - Off
All Electrical - Off
Circuit Breakers - In
Master - On
Fuel Quantity Indicators - Check
Turn Coordinator - Check
Flaps - Down
Lights & Pitot Heat - Check as required
Master - Off
Fuel Selector - Check each position, set Both
Brakes - Set

Left Fuel Tank Sump - Drain, check fuel
Left Tire & Brake - Check
Baggage Door - Secure

Rudder, Elevators - Free, correct, secure
Tail Tie-Down - Remove
Beacon, Nav Light, Antennas - Check

Right Flap - Check
Aileron - Free, correct, secure
Wingtip, Nav, Strobe Lights - Check
Wing Leading Edge - Check
Wing Tie-Down - Remove
Fuel Tank Sump - Drain, check fuel
Right Tire & Brake - Check
Right Fuel Tank - Check quantity, secure cap

Engine Oil - Check quantity, secure cap
Fuel Strainer - Drain, check strainer closed
Access door - Closed
Exhaust - Secure
Nosewheel & Strut - Check
Propeller & Spinner - Check
Cooling Air Intakes & Oil Cooler - Check
Alternator Belt - Check
Landing Light(s) - Check
Carburetor Air Intake - Check
Static Source - Clear

Left Fuel Tank - Check quantity, secure cap
Wing Leading Edge - Check
Pitot Tube - Cover removed, clear
Stall Warning Opening - Check
Fuel Tank Vent - Clear
Wing Tie-Down - Remove
Wingtip, Nav, Strobe Lights - Check
Aileron - Free, correct, secure
Left Flap - Check

N5205R ATOPS Checklist * For Training Only

Cessna 172M

STARTING

Preflight - Complete
Brakes - Set
Seats, Belts, Harnesses - Secure
Radios, Electrical Equipment - Off
Mixture - Rich
Throttle Friction - Adjust
Throttle- Open 1/8 inch
Carburetor Heat - Off
Prime - 2-6 Strokes as required.
Close and Lock Primer
Master - On
Beacon, Nav Lights - On as required
Propeller Area - Clear
Starter - Engage
Throttle - 800-1000 rpm
Oil Pressure - Check
Mixture - Lean for Taxi
Flaps - Up
Avionics - On
Transponder - Standby
Radios - Set

TAXI

Brakes - Check
Turn Instruments - Check

RUNUP

Brakes - Set
Flight Controls - Free, Correct
Rudder & Elevator Trim - Set
Flight Instruments - Set
Fuel Selector - Both
Mixture - Rich
Throttle - 1700 rpm
Magnetos - Check (125 max drop; 50 diff.)
Engine Instruments & Ammeter - Check
Suction Gauge - Check (4.6 - 5.4 inmg)
Alternate Static Source - Check
Carburetor Heat - On, check drop
Throttle - Idle check
Carburetor Heat - Off, check rise
Throttle - 800-1000 rpm
Radios - Set
Departure - Review

KCCR RADIO FREQUENCIES

ATIS - 124.7
Ground - 121.9
Tower - 119.7

LINEUP

Lights - On
Transponder - Altitude
Mixture - Rich

NORMAL TAKEOFF

Flaps - Up
Vr - 53 KIAS / 60 MPH
Vy - 73 KIAS / 80 MPH

SHORT FIELD TAKEOFF

Flaps - Up
Vr - 50 KIAS / 58 MPH
Vy - 59 KIAS / 68 MPH

SOFT FIELD TAKEOFF

Flaps - 10 degrees
Elevator - Full Aft
Accelerate in Ground Effect
Vy - 73 KIAS / 80 MPH

CLIMB

Power - Full Throttle
Cruise Climb - 70 KIAS / 80 MPH
Mixture - Full Rich
(Lean for Max RPM above 3000 msl)

CRUISE

Power - Set (Max 75%)
Mixture - Lean for Max RPM
Elevator Trim - Set

DESCENT

Fuel Selector - Both
Mixture - Rich
Carburetor Heat - As required
Power - Set
Lights - On as required

BEFORE LANDING

Fuel Selector - Both
Mixture - Rich
Carburetor Heat - As Required
Seats, Belts, Harnesses - Secure

NORMAL LANDING

Flaps - 40 degrees
Final Approach - 60 KIAS / 70MPH
Max. Demo X-Wind - 15 Kts

NO FLAP LANDING

Final Approach - 65 KIAS / 75 MPH

SHORT FIELD LANDING

Flaps - 40 degrees
Final Approach - 59 KIAS / 68 MPH
After Touchdown - Max braking

SOFT FIELD LANDING

Flaps - 40 degrees
Final Approach - 60 KIAS / 70 MPH
Nosewheel - Hold off

GO AROUND

Throttle - Full Power
Carburetor Heat - Off
Airspeed - Pitch for 57 KIAS / 65MPH
Flaps - Retract in increments

AFTER LANDING

Flaps - Up
Mixture - Lean for Taxi
Carburetor Heat - Off
Lights - On as required
Transponder - Standby
Radio - Set

SECURING

Lights - Off
Avionics & Electrical - Off
Magnetos - Ground check
Mixture - Idle Cutoff
Magnetos - Off
Master - Off
Control Lock - Install