

Cessna 172M N12382

Preflight Checklist

INTERIOR

FLIGHT CIRCLE.....DISPATCHED
 AROW DOCUMENTS.....CHECKED
 FUEL DRAILED/QUANTITY.....CHECKED
 CONTROL LOCK.....OFF
 IGNITION SWITCH.....OFF
 ALTERNATE STATIC.....CHECKED
 AVIONICS.....OFF
 MASTER.....ON
 FUEL GAUGES.....CHECKED
 FLAPS.....FULL
 LIGHTS & PITOT HEAT.....ON/CHECKED
 LIGHTS & PITOT HEAT.....OFF EXCEPT BEACON
 MASTER.....OFF

EMPENNAGE

BAGGAGE DOOR.....CLOSED/LOCKED
 ANTENNAS.....CHECKED
 HORIZONTAL STABILIZER/ELEVATOR.....CHECKED
 VERTICAL STABILIZER/RUDDER.....CHECKED
 ELEVATOR TRIM TAB.....CHECKED

RIGHT WING

MAIN GEAR.....CHECKED(29PSI)
 FLAP HINGES/PUSHROD.....CHECKED
 AILERON WEIGHTS/HINGES.....CHECKED
 WING TIP/LIGHTS.....CHECKED
 LEADING EDGE.....CHECKED
 CABIN AIR VENT INLETS.....CHECKED
 FUEL CAP.....SECURED

FORWARD FUSELAGE

OIL QUANTITY.....6-8 QTS
 FUEL STRAINER.....CHECKED
 ENGINE COWLING.....SECURE
 EXHAUST STACK.....CHECKED
 NOSE GEAR.....CHECKED(31PSI)
 PROPELLER/SPINNER.....CHECKED
 ALTERNATOR BELT.....CHECKED
 AIR INTAKE/FILTER.....CHECKED
 STATIC PORT.....CLEAR

LEFT WING

FUEL CAP.....SECURED
 CABIN AIR VENT INLETS.....CHECKED
 PITOT TUBE.....CHECKED
 FUEL VENT.....CHECKED
 STALL HORN INLET.....CHECKED
 LEADING EDGE.....CHECKED
 WING TIP/LIGHTS.....CHECKED
 AILERON WEIGHTS/HINGES.....CHECKED
 FLAP HINGES/PUSHROD.....CHECKED
 MAIN GEAR.....CHECKED(29PSI)

SECURE

POST FLIGHT INSPECTION.....COMPLETED
 TIE DOWNS.....AS NEEDED
 CONTROL LOCK.....AS NEEDED
 MASTER.....OFF

PHONE NUMBERS

Isaac Mosgrove.....503.930.3405
 Joan Johnson503.559.4593
 Salem Tower.....503.581.3571
 Salem Air Fuel.....503.364.4158
 Flight Service.....800.992.7433
 Portland FSDO.....503.615.3200

Loading Data	Weight (lbs)	ARM (in)	Moment (lbs-in)
Empty Weight	1396.5	40.12	59,296.37
Front Seats		*37* Range (34-46)	
Rear Seat		73	
Fuel 38gal/228lbs usable		48	
Cargo Area # 1 120 lbs max		*95* Range (95-108)	
Cargo Area # 2 40 lbs max		*123* Range (123-142)	
Total 2300 LBS MGTOW			

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Normal Checklist

BEFORE START

PASSENGER / CREW BRIEF.....COMPLETE
SEATS / SEATBELTS.....ON
FUEL SELECTOR.....BOTH
TRIM.....SET
FLAP SWITCH.....NEUTRAL
MIXTURE.....RICH (AS APPROPRIATE)
THROTTLE.....CRACKED (AS APPROPRIATE)
LIGHTS.....SET
CIRCUIT BREAKERS.....ALL IN
AVIONICS SWITCH.....OFF
PRIMER.....PRIMED/LOCKED
MASTER SWITCH.....ON
PROP AREA.....CLEAR

BEFORE TAXI

OIL PRESSURE.....CHECK
MIXTURE.....LEANED
FLAPS.....UP
AVIONICS.....ON
BRAKES.....CHECK
INSTRUMENT COCKPIT CHECK.....COMPLETE

BEFORE TAKEOFF/RUNUP

DOORS/WINDOWS.....CLOSED & LATCHED
SEATBELTS.....SECURED
CONTROLS.....FREE & CORRECT
INSTRUMENTS.....CHECKED
AVIONICS/RADIOS/TRANSPONDER.....SET
FUEL SELECTOR.....BOTH
FLAPS.....SET
TRIM.....SET
RUNUP
RPM.....1700
ENGINE GAUGES.....CHECKED
MIXTURE.....AS APPROPRIATE
CARB HEAT.....CHECKED
MAGNETOS.....CHECKED
RPM.....IDLE CHECK, 1000
DEPARTURE BRIEFING.....COMPLETED

Airspeeds:

Vr.....65 MPH

Vx.....74 MPH

Vy.....90 MPH

Best Glide.....80 KIAS

Short Field Takeoff Flaps: 0°

CLIMB

FLAPS.....UP
MIXTURE.....AS APPROPRIATE
TRANSPONDER.....CODE/ALT
LIGHTS.....SET

CRUISE

POWER.....SET
TRIM.....SET
MIXTURE.....AS APPROPRIATE

DESCENT

WEATHER.....REVIEWED
ARRIVAL/APPROACH.....BRIEFED
COMS/NAVS.....SET
FUEL SELECTOR.....BOTH
MIXTURE.....AS APPROPRIATE
CARB HEAT.....AS NEEDED
ALTIMETER.....SET
SEATS/SEATBELTS.....SECURE

AFTER LANDING

TRIM.....SET
FLAPS.....UP
MIXTURE.....LEANED
CARB HEAT.....OFF
LIGHTS.....SET
TRANSPONDER.....VFR/ALT

SECURE

RPM.....1000
AVIONICS.....OFF
MIXTURE.....IDLE CUT OFF
MAGNETOS.....OFF
MASTER.....OFF
KEY.....OFF/OUT

Abnormal Checklist

ENGINE TROUBLESHOOT

FUEL SELECTOR.....BOTH
 MIXTURE.....AS APPROPRIATE
 THROTTLE.....1/2 OPEN
 CARB HEAT.....ON
 PRIMER.....IN/LOCKED
 MAGNETOS.....CYCLE (START)

ENGINE SECURE

MIXTURE.....IDLE CUT-OFF
 THROTTLE.....CLOSED
 CARB HEAT.....OFF
 MAGNETOES.....OFF
 TRANSPONDER.....7700

EMERGENCY LANDING W/O POWER

AIRPEED.....BEST GLIDE
 RADIO CALLS/XPDR.....AS APPROPRIATE
 SEATS/SEATBELTS.....SECURE
 FLAPS.....AS NEEDED
 DOORS.....UNLATCH
 -PRIOR TO TOUCHDOWN-
 MASTER.....OFF

ENGINE FIRE IN FLIGHT

MIXTURE.....IDEL CUT-OFF
 THROTTLE.....CLOSED
 MAGNETOES.....OFF
 EMERGENCY DESCENT.....EXECUTE

ELECTRICAL/CABIN FIRE

MASTER.....OFF
 CABIN WINDOWS.....OPEN
 FIRE EXTINGUISHER.....AS NEEDED
 EMERGENCY DESCENT.....AS NEEDED

WING FIRE

EXTERIOR LIGHTS.....OFF
 PITOT HEAT.....OFF
 SIDESLIP.....ESTABLISH

ELECTRICAL TROUBLESHOOT

CIRCUIT BREAKER.....CHECK
 -IF POPPED, RESET. IF IT POPS AGAIN, DO NOT RESET-

ALT INOP ANNUNCIATOR

ALTERNATOR SWITCH/BREAKER.....CHECK
 -IF ALTERNATOR FAILED-
 ELECTRICAL LOAD.....REDUCE
 LAND AIRPLANE.....AS NEEDED

ENGINE FIRE DURING START

CRANKING.....CONTINUE
 -IF ENGINE STARTS-
 POWER.....1700 RPM 2-3 MINUTES
 ENGINE.....SECURE
 -IF ENGINE FAILS TO START-
 THROTTLE.....FULL
 MIXTURE.....IDLE CUT-OFF
 CRANKING.....CONTINUE 2-3 MINUTES
 ENGINE.....SECURE

LOW OIL PRESSURE

POWER.....REDUCE
 NEAREST AIRPORT.....LAND
 OIL TEMPERATURE.....CHECK
 -IF OIL PRESSURE IS LOW AND OIL TEMPERATURE IS HIGH PREPARE FOR ENGINE FAILURE AND LAND AT THE NEAREST AIRPORT-







HIGH OIL TEMPERATURE

POWER.....REDUCE
 AIRSPEED.....INCREASE
 MIXTURE.....ENRICHEN(.AS APPROPRIATE)
 OIL PRESSURE.....CHECK
 -IF OIL PRESSURE IS LOW LAND AT NEAREST AIRPORT-

RADIO TROUBLESHOOT

HEADSET VOLUME.....CHECK
 HEADSET JACK.....CHECK
 AUDIO PANEL/INTERCOM.....CHECK
 RADIO VOULME.....CHECK
 PUSH TO TALK.....CHECK

ATC LIGHT GUN SIGNALS FOR AIRCRAFT

COLOR & TYPE	GROUND	AIR
	Cleared for takeoff	Cleared to land
	Cleared for taxi	Return for landing (to be followed by steady green)
	STOP!	Give way to other aircraft and continue circling
	Taxi clear of runway in use	Airport unsafe, do not land
	Return to starting point on airport	N/A
	Exercise extreme caution	