

Cessna 172N N737BW
Preflight Inspection

Cabin:

Documents.....Check
A – Airworthiness
Certificate
R – Registration
(Federal and State)
O – Operating
Manual (POH)
W – Weight and
Balance
Control Wheel Lock... Remove
Magnetos.....OFF
Avionics.....OFF
Master Switch.....ON
Fuel Quantity.....Verify
Required Lights.....Operable
Pitot heat.....Check
Flaps.....10
Master Switch.....OFF

Exterior:

Fuselage.....Inspect
Elevator.....Check
Rudder.....Inspect
Elevator.....Check
VOR Antenna.....Inspect
Fuselage.....Inspect

Right Wing:

Wing upper Surface.....Inspect
Flap.....Check Security
Aileron.....Check
Wing Tip.....Inspect
Leading Edge.....Inspect
Landing Gear/Brakes...Inspect
Fuel Tank.....Sump
Check for contaminants
Fuel.....Visually Inspect

Nose:

Oil.....4-6 Quarts
Fuel Strainer.....Pull
Propeller.....Inspect
Filter.....Check Clear
Nose Wheel.....Inspect
Static Port.....Clear

Left Wing:

Leading Edge.....Inspect
a. Pitot Tube
b. Fuel Vent
c. Stall Horn
Wing Tip.....Inspect
Aileron.....Check
Flap.....Check security
Wing upper surface.....Inspect
Landing Gear.....Inspect
Fuel Tank.....Sump
Fuel.....Visually Inspect

Before Engine Start:

Doors.....Closed and Latched
Seat Belts.....Secure
Fuel Selector Valve.....Both
Avionics Power.....OFF
Brakes.....Hold/Set
Circuit Breakers.....In

Engine Start:

Normal:

Master Switch.....ON
Beacon.....ON
Mixture.....Rich
Throttle.....Pump Twice
then crack 1/8 in.
Crank.....3-5 Blades

NOTE:

**If engine doesn't start within
3-5 turns of the prop stop
cranking and try something
new**

Hot Start:

Master Switch.....ON
Magnetos.....Both
Beacon.....ON
Mixture.....Rich
Throttle.....Crack
Crank.....3-5 Blades

Cold Start:

Master Switch.....ON
Beacon.....ON
Mixture.....Rich
Prime.....2-3 Strokes
Throttle.....Pump Twice
then crack 1/8 in.
Crank.....3-5 Blades

NOTE:

**It should be minimal time
from priming to cranking
(10-15 Seconds Max)**

Flooded:

Master Switch.....ON
Magnetos.....Both
Beacon.....ON
Mixture.....Idle
Throttle.....crack 1/8 in.
Crank.....3-5 Blades

Note:

**When performing a flooded
start, begin to crank and as
the engine begins to fire
enrichen the mixture slowly
but appropriately as needed
to keep the engine running**

After Engine Start:

Engine Instruments.....Green
Mixture.....Lean
Flaps.....Up
Avionics.....On
Listen to the Weather
Set Altimeter
Taxi

Run-Up:

Brakes.....Set
Doors and Windows.....Closed
Seat Belts.....Latched
Flight Controls.....Free and Correct
Trim.....Set for Takeoff
Fuel Selector.....Both
Mixture.....Rich
Throttle.....1700RPM
 a. Magnetos
 b. Carb. Heat
 c. Engine Instruments
 d. Suction Gage
Ammeter.....Charging
Throttle.....Idle then 1000RPM
Brakes.....Release

Before Takeoff:

Lights.....As Required
Heading Indicator.....Set to Runway Heading
Radio.....Switch to Tower

Cruise:

Power.....Set
Mixture.....Lean
Heading Indicator.....Set

Descent:

Seat Belts.....Secure
Fuel Selector.....On
Mixture.....Enrichen

After landing:

Flaps.....Up
Carburetor heat.....Off
Mixture.....Lean
Trim.....Set for Take Off

Shutdown:

Throttle.....Idle
Mags.....Check
Avionics.....Off
Lights.....Off
Mixture.....Idle
Master.....Off
Mag.....Off
Flight Plan.....Closed
With FSS or 1-800-992-7433

Engine Failure in Flight:

Airspeed.....62 Knots
 a. Area to Land and turn towards
 b. Decide if you have time to troubleshoot

If time allows:

Mixture.....Rich
Carb. Heat.....On
Fuel Valve.....Select a Tank Starter.....Only if Prop is stopped
Mags.....Try each individually

If time does NOT allow:

Mixture.....Idle/cutoff
Fuel Selector Valve.....Off
Master Switch.....Off
Doors.....Unlatched
Forced Landing

Engine Fire on the Ground:

Starter.....Keep Cranking

If engine starts:

Power.....1700
For 2 Minutes
Engine.....Shutdown and Inspect

If engine fails to start:

Throttle.....Full open
Mixture.....Idle/Cut-off
Master.....Off
Ignition.....Off
Fuel Valve.....Off
EXIT AIRCRAFT
Fire Extinguisher. If Applicable
Call Fire Department if Flames continue

Engine Fire in flight:

Mixture.....Idle/cutoff
Fuel Valve.....Off
Master.....Off
Airspeed.....100 KIAS
Emergency Descent....Execute
Forced Landing

Cabin Fire:

Master Switch.....Off
Fire Extinguisher.....If practical
Emergency Descent....Execute
Forced Landing

Electrical Fire:

Master Switch.....Off
Avionics.....Off
All Switches.....Off
Fire Extinguisher.....If Practical
Emergency Landing.....Execute

Radio Examples:

Taxi:

Magic City Ground Cessna 737BW, Ready for Taxi, with the weather for a South West Departure

Take off:

Magic City Tower Cessna 737BW, Holding short Runway 31

Inbound to the airport:

Magic City Tower Cessna 737BW 10 miles to the South West Inbound for the option

Template:

Who you are calling

Who you are

Where you are

What you want to do

Note:

You must read back all ATC assigned instructions

Frequencies for the local area:

Magic City ASOS: 118.725

Magic City Ground: 121.9

Magic City Tower: 118.2

Minot Approach: 119.6

Minot VOR: 117.1

Grand Forks Radio (FSS): 122.2

Emergency Frequency: 121.5

Wx Brief: 1-800-992-7433

Magic City Tower Landline: 701-852-2346

