

**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  
Magnets.....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  
Magnets.....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  
Magnets.....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

