

# Cessna 172M

# Nice Air

DO NOT REMOVE CHECKLIST FROM AIRCRAFT

NO SMOKING ALLOWED IN AIRCRAFT

## PRE-FLIGHT CHECK

### CABIN

Documents.....AROW  
Control Lock.....Remove  
Ignition Switch.....OFF  
Master Switch.....ON  
Fuel Quantity.....Check level  
Flaps.....Down  
Master Switch.....OFF

### RIGHT FUSELAGE

Baggage Door...Lock w/ Key

### EMPENNAGE

Control Surfaces.....Check  
Tail Tie Down....Disconnect

### RIGHT WING

Flap.....Check  
Aileron.....Check free  
Wing Tie-down...Disconnect  
Main wheel tire.....Check  
Fuel Sump.....Drain/Check  
Fuel Qty.....Check Visually

### NOSE

Oil.....Check level  
Fuel Strainer.....Pull & test  
Prop & Spinner.....Check  
Air Inlets.....Check  
Carb Air Filter.....Check  
Nose Wheel.....Check  
Static Source.....Check

### LEFT WING

Fuel Qty.....Check Visually  
Pitot Tube.....Check  
Stall Warning.....Check  
Wing Tiedown....Disconnect  
Aileron.....Check free  
Flap.....Check  
Main wheel tire.....Check  
Fuel Sump.....Drain/Check

### BEFORE ENGINE START

Preflight inspection.....Done  
Seats & Belts.....Adjust/lock  
Electrical & Avionics.....OFF  
Breakers.....Check/IN  
Fuel Selector.....Both

### STARTING ENGINE

Prime.....1-3 times  
Carb Heat.....OFF/Cold  
Throttle.....Open ½ “  
Mixture.....Rich  
Propeller Area.....Clear  
Master Switch.....ON  
Beacon.....ON  
Ignition.....Start  
Throttle...1000 RPM or less  
Oil Pressure.....Check  
Mixture .....1” Lean  
Flaps.....UP  
Avionics.....ON  
Transponder.....Stand By  
ATIS.....Obtain  
Radio.....Call

### RHV Frequencies

ATIS.....125.2  
Ground.....121.65  
Tower.....119.8

## GROUND & FLIGHT CHECKS

### BEFORE TAKEOFF CHECK

Seats & Belts.....Adjust/lock  
Doors & Windows.....Closed  
Flight Controls.....Correct  
Flight Instruments.....Check  
Primer.....In & locked  
Fuel Quantity.....Check  
Fuel Selector.....Both  
Mixture.....Rich below 3000'  
Trim.....set for takeoff  
Throttle.....1700 RPM  
Magnetos.....Check  
.....<125 Max Drop  
.....<50 Max Difference  
Carb Heat.....✓ RPM Drop  
Suction Gauge...✓ in Green  
.....(4.3"-5.4")  
Engine Gauges. ✓ in Green  
Ammeter.....Check  
Throttle...1000 RPM or less  
Radios .....Set  
Flaps.....Set for takeoff  
Transponder.....ALT  
Lights .....As Needed

### IFR DEPARTURE

Pitot Heat.....ON (If required)  
Nav Radios.....SET  
Altimeter...Check within 75'  
VOR.....Verify Tested  
Transponder.....Code Set

### TAKEOFF

Flaps.....0-10°  
Carb Heat.....OFF/Cold  
Mixture.....Rich  
Transponder.....ALT  
Throttle.....Full Open  
Rotate.....55  
Climb.....V<sub>y</sub> 78

### V-SPEEDS.....(KIAS)

V<sub>x</sub>.....64  
V<sub>y</sub>.....78  
V<sub>fe</sub>.....85  
V<sub>ne</sub>.....160  
Best Glide.....65  
Approach.....60-70  
V<sub>a</sub> (max gross).....97  
( 1950 lbs).....89  
( 1600 lb).....80

### IFR ARRIVAL

A-TIS  
H-heading....✓ for precession  
A-Itimer.....Set  
R-radios.....Set Com/Nav  
.....+Front course  
M-inimums/Missed/Markers

### BEFORE LANDING

Seats & Belts.....Adjust/lock  
Fuel Selector.....Both  
Carb Heat.....ON  
Mixture.....Rich  
Landing Light.....As needed

### LANDING

Airspeed .....60-70 KIAS  
Flaps.....As required

### AFTER LANDING

Landing Light.....OFF  
Carb Heat.....OFF/Cold  
Mixture.....1” Lean  
Flaps.....UP  
Transponder.....Standby  
Trim.....Set for T/O

### SHUTDOWN AIRPLANE

Electrical Equipment....OFF  
Radios & Avionics.....OFF  
Mixture .....Idle Cutoff  
Ignition.....OFF  
Master Switch.....OFF

### SECURING AIRPLANE

Control Lock.....Install  
Wheel chocks.....SET  
Wing tie downs.....Connect  
Tail Tie Down.....Connect  
Propeller.....Level & Inspect  
Wheels/Brakes.....Inspect  
Visual Inspection.....Done  
Tach/HOBBS.....Record  
Squawks.....Note if any  
Tow bar.....Stow  
Trash.....Remove all

# Cessna 172M

# Nice Air

## ENGINE FAILURE DURING TAKEOFF ROLL

Throttle..... Idle  
Brakes..... Apply  
Wing Flaps..... Retract  
Mixture..... Idle cut-off  
Ignition Switch..... OFF

## ENGINE FAILURE AFTER TAKEOFF

Airspeed..... 65 KIAS  
Mixture..... Idle Cutoff  
Fuel Selector..... OFF  
Ignition switch..... OFF  
Wing flaps..... As required  
Master Switch..... OFF

## ENGINE FAILURE DURING FLIGHT

### RESTART PROCEDURE

Airspeed ..... 65 KIAS  
Carb Heat..... ON  
Primer..... In & Locked  
Fuel Selector..... Both  
Mixture..... Rich  
Ignition..... Check on Both  
..... Or start if prop stopped

## FORCED LANDING WITHOUT POWER

Seats/Belts ..... Secure  
Airspeed..... 65 KIAS  
Mixture..... Idle cutoff  
Fuel Selector..... OFF  
Ignition switch..... OFF  
Wing flaps..... As required  
Master switch..... OFF  
Doors ..... Unlatch prior to landing  
Touchdown..... slightly tail low  
Brakes..... Apply heavily

## LOW VOLTAGE LIGHT ILLUMINATES

Radios..... OFF  
Master Switch ..... OFF(both sides)  
Master Switch..... ON  
Low Voltage light..... check ON  
If light is still on..... TERMINATE FLIGHT

## FIRE ON GROUND

During start on ground..... continue cranking  
If engine starts..... Power 1700 for 2 minutes  
Engine..... Shutdown

### If engine fails to start

Throttle..... Full Open  
Mixture..... Idle Cutoff  
Cranking..... Continue  
Fire extinguisher..... Use

### Secure engine

Master Switch..... OFF  
Ignition..... OFF  
Fuel Shutoff valve..... OFF  
Fire extinguisher..... USE

## ENGINE FIRE IN FLIGHT

Mixture..... Idle Cut OFF  
Fuel Selector..... OFF  
Master Switch..... OFF  
Cabin Vents & Heat (except wing vents)..... Closed  
Airspeed..... 100 KIAS  
Forced Landing..... Execute

## CABIN FIRE

Master Switch..... OFF  
Vents/Cabin/Heat..... Closed  
Fire extinguisher..... Activate  
Land ASAP and inspect damage

## ELECTRICAL FIRE IN FLIGHT

Master ..... OFF  
Vents/Cabin Air/Heat..... Closed  
All switches *except ignition*..... OFF  
Master ..... each component ON one at a time

## WING FIRE

Navigation Light Switch..... OFF  
Pitot Heat..... OFF  
Side slip..... keep flames away from cabin & fuel tanks  
Land..... use flaps only as required for final & touchdown

## ELECTRICAL POWER SUPPLY MALFUNCTIONS

*Ammeter shows excessive rate of charge*

Alternator..... OFF  
Non-essential electrical equipment ..... OFF  
Flight..... Terminate