

N5094R - ROMEO

Aircraft: Cessna 172M • Revision: 14/08/2026 •  Checklist.aero

CHECK FUEL AND OIL

FUEL 38 USABLE
OIL 5 MINIMUM
6 MIN FOR EXTENDED FLIGHTS

Preflight Cabin

S.P.A.R.R.O.W. CHECK
Pitot/AoA Covers REMOVE
Control Lock REMOVE
Master Switch ON
Avionics Cooling Fan VERIFY
Flaps EXTEND
Hobbs/Tach Times RECORD
Lights/Pitot Heat CHECK/OFF
Fuel Quantity VERIFY/SET
Master Switch OFF

Preflight Empennage

Tail Tie-Down DISCONNECT
Control Surfaces CHECK
Trim Tab CHECK
Inspection Panels CHECK
Antennas CHECK

Preflight Right Wing

Flap CHECK
Aileron CHECK
WingTip/Lights CHECK
Inspection Panels CHECK
Wing Tie-Down DISCONNECT
Wing Strut SECURE
AoA Tube CHECK
Main Wheel/Tire/Brake CHECK
Fuel Drain Valve DRAIN/CHECK
Fuel Quantity DIP THE TANK
Fuel Cap SECURE

Preflight Nose

Engine CHECK
Oil/Dipstick LEVEL
*5 qt minimum (5.5 summer)
fill to 6+ for extended flights
DO NOT OVERTIGHTEN*
Fuel Strainer Valve PULL
Push to ensure closure
Engine Cooling Inlets CLEAR
Propeller/Spinner CONDITION
Alternator Belt CHECK
Taxi/Landing Lights CHECK
Air Filter CLEAR
Nosewheel/Strut/Tire CHECK
Static Source CLEAR

Preflight Left Wing

Fuel Quantity DIP THE TANK
Fuel Cap SECURE
Pitot Tube/Drain Hole CLEAR
Fuel Tank Vent CLEAR
Stall Warning Opening CLEAR
Wing Tie-Down DISCONNECT
Wing Strut SECURE
WingTip/Lights CHECK
Inspection Panels CHECK
Aileron CHECK
Flap CHECK
Main Wheel/Tire/Brake CHECK
Fuel Drain Valve DRAIN/CHECK

BEFORE STARTING ENGINE

Preflight Inspection COMPLETE
Passenger Brief BELOW
*S- Seats/Seatbelts
A- Air Vents
F- Fire Procedures
E- Emergency Egress
T- Talking
Y- Your Questions*
Seats/Seatbelts ADJUST/LOCK
Brakes TEST/SET
Fuel selector BOTH
Elevator Trim SET FOR
TAKEOFF
Alternate Static OFF
Mixture RICH
Carburetor heat COLD
Throttle PUMP X2/1/8"
Circuit Breakers IN
Lights BEACON ON
CAUTION
*The Avionics Master Switch and ALT
Switch must be off during engine start
to prevent damage to avionics*
Avionics/ALT Switches OFF

Priming Procedure

NOTE
*If engine is warm OMIT Priming
Procedure*
Prime 1-3 PUMPS
Primer IN/LOCKED

Starting Engine

Battery Master Switch ON
Beacon ON
Brakes APPLIED
Propeller area CLEAR
Ignition switch START
Throttle 800-1000 RPM
Oil Pressure CHECK

Mixture LEAN -1"
Avionics/ALT Switch ON
Flaps RETRACT
Flap Handle NEUTRAL
Nav Lights ON at NIGHT

Before Taxi

Cabin Heat/Air AS NEEDED
Radios/NavAids CHECKED/SET
ATIS/AWOS COPY
BARO/ALT/HDG
Transponder ALT/SQWK
No Annunciations

Taxi

Airport Diagram Available
Taxi Clearance Obtain
Taxi Route BRIEF
Taxi Area CLEAR
Lights AS NEEDED
Brakes TEST/RELEASE
Throttle ADJUST FOR
MIN BRAKING
Flight Controls WIND
CORRECTION

Run-Up / Before Takeoff

Seats/Seatbelts SECURE
Seat Backs UPRIGHT
Doors CLOSED
Flight Controls CORRECT
Flight Instruments SET
Fuel Quantity CHECKED
Mixture 1/2" IN
Carb Heat COLD
Throttle 1,700 RPM
*1.Mag Check: 125/50max
2.Carb Heat: CHECK RPM/TEMP
3.Engine Instruments: CHECKED
4.Amps/Volts: ~14V
5.Mixture: SET MAX POWER*
Messages/Alerts CHECKED
Throttle CHECK IDLE
800-1000 RPM
Throttle Friction Lock ADJUST
Skyview CDI SELECT NAV
SOURCE
Parking Brake RELEASE

Before Takeoff - Hold Short Line

Frequency TWR/CTAF/DEP
Elevator Trim SET FOR
TAKEOFF

Flaps 0-10
Takeoff Brief BRIEF
*Runway/Takeoff
Type/Speeds/HDG/ALT
ENGINE LOSS
Runway: STOP/ANNOUNCE
Airborne: LAND/ANNOUNCE
Below 1000 AGL: PITCH 70/LAND
Above 1000 AGL: PITCH 70
(consider returning to the airport)*
Lights AS REQUIRED

Normal Takeoff

Flaps 0
Throttle FULL
Vr 52 KIAS
Vy 70 KIAS

Short Field Takeoff

Flaps 10
Use All Available
Runway
Hold Brakes/Full
Power/Check RPM
Release Brakes
Vr 52 KIAS
Vx 59 KIAS
Obstacle Clear 70 KIAS/Flaps
Up

Soft Field Takeoff

Flaps 10
Elevator FULL AFT
BRAKES MINIMUM
Rotate REMAIN IN
GROUND
EFFECT
Vx 59 KIAS
Obstacle Clear 70 KIAS
POSITIVE RATE - Flaps Up

Enroute Climb

Airspeed 75-80 KIAS
Throttle ~2400 RPM
*Monitor Engine Temps
CHTs and Oil Temp*
Carb Heat OFF
Mixture RICH BELOW
3000' DA

Cruise Flight

Throttle AS NEEDED
Carb Heat AS NEEDED
Elevator Trim ADJUST
Mixture LEANED
Lights AS NEEDED

Pre-Maneuver Checklist

Instruments CHECK/SET
Configure Aircraft
*Fuel: BOTH
Mixture: ENRICHEN
Carb Heat: OFF
Lights: AS NEEDED*
Radio Calls AS REQUIRED

Before Descent

Weather/ATIS OBTAIN
Instruments SET
VOR/GPS Setup AS NEEDED
Fuel BOTH
Mixture ADJUST
Carb Heat AS NEEDED

Before Landing

Seat Backs UPRIGHT
Safety belts FASTENED
Fuel selector BOTH
Mixture ADJUST/SET
Engine Instruments. CHECKED
Landing light ON

Normal Landing

Airspeed (w/flaps 20) 70-75
Airspeed (no flaps) 75-80
Flaps AS NEEDED
Below 85 KIAS

Short Field Landing

Flaps 40
Airspeed 61 KIAS
Aerodynamic Braking
*Flaps Up
Yoke Aft
Apply Brakes*

Soft Field Landing

Flaps 20-30
Hold Nose Wheel Off
Brakes MINIMUM

Balked Landing/Go Around

Throttle FULL
Carb Heat OFF
Flaps RETRACT
SLOWLY
Climb 65 KIAS
Maintain Positive Rate

After Landing (Clear of Runway)

Carb Heat OFF
Aircraft CLEAR OF
RUNWAY
FULL STOP
Throttle 800-1000 RPM
Mixture Lean -1"
Flaps UP
Lights AS NEEDED
Transponder ALT/1200
Pitot Heat OFF
Taxi Clearance BRIEF
Taxi MIN BRAKE
USE

Securing Aircraft

Parking Brake OFF if
CHOCKED
Lights BEACON ONLY
Avionics Switch OFF
Throttle IDLE
Magnetos CHECK
GROUND
Instructors ONLY
Mixture PULL CUTOFF
Battery Master/ALT OFF
Ignition KEY OFF/OUT
Control Wheel Lock INSTALL
Fuel Selector LEFT or RIGHT
Pitot/AoA Tube Covers INSTALL
Sun Shield INSTALL
Tie-Downs/Chocks INSTALLED
Aircraft LOCKED
Flight Plan CLOSED

V-Speeds / Specs

X-Wind (Max Demo): 15 Knots

Best Glide 70 KIAS
Vx 58 KIAS
Vy 70 KIAS
Vso (dirty) 43 KIAS
Vs1 (clean) 49 KIAS
Va (2550#) 97 KIAS
Va (2150#) 95 KIAS
Va (1750#) 85 KIAS
Vno 126 KIAS
Vne 158 KIAS

Aircraft Information

GTOW 2300 LBS
Engine LYCO O-320
Max Power 150 BHP
Max Engine Speed 2700 RPM
Fuel Type 100LL (Blue)
Fuel Capacity 50 Gal Usable
Oil Capacity 8qts / Min 5qts
Electrical 12 Volts
Tire Pressure Nose-45/Main-
38 PSI