

NORMAL PROCEDURES

PRE-FLIGHT

1. Documents----- CHECK
2. Cabin Check----- COMPLETE
3. Cockpit Check----- COMPLETE
4. Pre-Flight Inspection----- COMPLETE
5. Passengers----- BRIEFED

START

1. Brakes----- HOLD
2. Master----- ON
3. Beacon----- ON
4. Carb Heat----- OFF
5. Throttle----- ¼"
6. Mixture----- RICH
7. Fuel----- BOTH
8. Primer----- AS REQ'D
9. Propeller Area----- CLEAR
10. Ignition----- START

AFTER START

1. Throttle----- <1000RPM
2. Oil Pressure----- CHECK within 30sec
3. Flaps----- UP
4. Avionics----- ON
5. Time START----- NOTED

RUNUP

1. Throttle----- 1700 RPM
2. Oil Temp. and Press.----- CHECK
3. Vacuum----- CHECK
4. Alternator----- CHECK
5. Magnetos----- CHECK
6. Carburetor Heat----- CHECK
7. Mixture----- CHECK
8. Throttle----- IDLE CHECK
9. Throttle----- <1000 RPM

BEFORE TAKEOFF

1. Seats/Belts/Doors----- SECURE
2. Flight Controls----- CHECK
3. Instruments----- SET
4. Engine Gauges----- GREEN
5. Primer----- LOCKED
6. Magnetos----- BOTH
7. Carb Heat----- OFF
8. Mixture----- RICH
9. Flaps----- SET FOR TAKEOFF
10. Trim----- SET FOR TAKEOFF
11. Fuel----- BOTH
12. Departure----- BRIEFED

LINE-UP

1. Flight Tracking----- WHEELS UP
2. Time UP----- NOTED
3. Instruments----- SET
4. Lights----- ON
5. Transponder----- ALT

CESSNA 172M CHECKLIST

BEFORE LANDING

1. Cabin----- SECURE
2. Downwind Checks----- COMPLETE

AFTER LANDING

1. Carb Heat----- OFF
2. Flaps----- UP
3. Lights----- OFF
4. Transponder----- STBY
5. Time DOWN----- NOTED
6. Flight Tracking----- ARRIVED at DESTINATION

SHUTDOWN

1. Avionics----- OFF
2. Magnetos----- DEAD CHECK
3. Mixture----- IDLE CUT-OFF
4. Magnetos----- OFF
5. Master----- OFF
6. Time STOP----- NOTED
7. Aircraft----- SECURE

AIRCRAFT SUMMARY

FUEL		AIRSPEEDS (KIAS)	
Usable	48 US Gal	Vne	160
Total	52 US Gal	Vno	128
WEIGHTS		Va.....	97
GTOW	2300 LBS	Vfe	85
BAGGAGE	120 LBS	Vx	59
		Vy	78
		Vs	50
		Vso.....	44
		Best Glide	65
		Vref (0 flap).....	60-70
		Vref (40 flap)	55-65

EMERGENCY PROCEDURES

CESSNA 172M CHECKLIST

ENGINE FAILURE DURING TAKEOFF ROLL

Throttle----- IDLE
Brakes----- APPLY
Flaps-----RETRACT
Mixture----- IDLE CUT-OFF
Magnetos----- OFF
Master----- OFF

ENGINE FAILURE AFTER TAKEOFF

Airspeed----- 65/60 KIAS FLAPS UP/DOWN
Control----- SELECT LANDING SITE
Carb Heat----- ON

As Time Permits:

Mixture----- IDLE CUT-OFF
Fuel Selector----- OFF
Magnetos----- OFF
Flaps-----AS REQUIRED
Master----- OFF
Doors-----AJAR

ENGINE FAILURE IN FLIGHT

Airspeed----- 65 KIAS
Carb Heat----- ON
Mixture-----RICH
Fuel Selector----- BOTH
Control----- SELECT LANDING SITE
Cause Check

Engine/Fuel Gauges-----CHECK
Primer----- LOCKED
Magnetos-----VARY
Throttle-----VARY
Mixture-----VARY

Magnetos----- START (if propeller is stopped)

FORCED LANDING

FORCED LANDING

Squawk Code-----7700
Emergency----- 121.5
Passengers----- BRIEF
Mixture----- IDLE CUT-OFF
Magnetos----- OFF
Fuel Selector----- OFF
Flaps----- As REQUIRED
Master Switch----- OFF
Seats/Belts-----SECURE
Doors-----AJAR

ROUGH ENGINE

Carb Heat----- ON
Mixture-----RICH
Fuel Selector----- BOTH
Cause Check

Engine/Fuel Gauges-----CHECK
Primer----- LOCKED
Magnetos-----VARY
Throttle-----VARY
Mixture-----VARY

ENGINE FIRE IN FLIGHT

Mixture----- IDLE CUT-OFF
Fuel Selector-----OFF
Cabin Air/Heat----- CLOSED
Airspeed----- INCREASE to extinguish fire
FORCED LANDING

ENGINE FIRE DURING START

Starter----- CONTINUE CRANKING

IF ENGINE STARTS:

Throttle----- 1700 RPM
Mixture----- IDLE CUT-OFF
SECURE ENGINE

IF ENGINE FAILS TO START:

Throttle----- FULL OPEN
Mixture----- IDLE CUT-OFF
Starter----- CONTINUE CRANKING
SECURE ENGINE

SECURE ENGINE:

Master----- OFF
Magnetos----- OFF
Fuel Selector----- OFF
Fire Extinguisher----- OBTAIN and EXTINGUISH FIRE

ELECTRICAL or CABIN FIRE IN FLIGHT

Master Switch-----OFF
All Other Switches-----OFF
Vents/Cabin Air/Heat----- CLOSED
Fire Extinguisher----- ACTIVATE
Cabin----- VENTILATE

IF FIRE IS OUT AND ELECTRICAL IS REQUIRED FOR FLIGHT:

Circuit Breakers-----CHECK, DO NOT RESET
Master Switch-----ON
Radio/Electrical Switches----- ON AS REQUIRED

EXCESSIVE RATE OF CHARGE

OVER-VOLTAGE LIGHT ILLUMINATED

Master (both sides)----- OFF
Alternator Circuit Breaker----- CHECK IN
Master (both sides)-----ON
Over-Voltage Light----- CHECK OFF

If Over-Voltage Light Illuminates Again

AMMETER SHOWS DISCHARGE

AMMETER SHOWS DISCHARGE

Alternator----- OFF
Non-Essential Electrical Equipment----- OFF
Flight----- Land as Soon as Practicable