

"Miss Daisy" N1091A**Preflight Mooney M20M N1091A**

1. Fuel Level	VISUAL CHECK
2. Hobbs Book	CHECK #'s
3. Paperwork	ARROW-AV1ATE
4. Seat Height	SET UP
5. Control Lock	REMOVE
6. Gear Lever	GEAR DOWN
7. Emergency Gear	LOCKED
8. Static Drain	PRESS/DRAIN
9. Master	ON
10. Fuel Qty	CHECK
11. Gear Indicators	DOWN
12. Beacon/Nav/Lights	CHECK LIGHTS
13. Annunc/Stall Horn	TEST LIGHTS
14. Pitot Heat	CHECK
15. Master	OFF
16. Preflight	WALK AROUND
17. Static Port Drains	PRESS
<input type="checkbox"/> Fuel Level	VISUAL CHECK
<input type="checkbox"/> Fuel Sumps	DRAIN 2+2+1RL
<input type="checkbox"/> Oil	8-10 Qts
<input type="checkbox"/> 360 Walk	TIE-DOWNS

Passenger Briefing Checklist

1. Seat Belts	EXPLAIN and ON
2. Door / Exiting Plane	EXPLAIN
3. First Aid/Fire Ext	LOCATE
4. Scanning for Traffic	ASSIST
5. Exchange Controls	EXPLAIN
6. Seat Rail Locks	CHECK

Engine Start Checklist

1. Brakes	SET
2. Electrical	ALL OFF
3. Circuit Breakers	ALL IN
4. Prop	FULL FORWARD
5. Master AND ALTR	BOTH ON
6. Fuel Selector	PICK A SIDE
7. Lights	STROBES ON
8. Cowl Flaps	OPEN
9. Throttle	3 twists in
10. Mixture	FULL RICH
11. Area	*****"CLEAR"*****
12. Fuel Pump	ON 7sec OFF
13. Magnetos/Starter	CRANK ENGINE
14. Throttle	800-1000 RPM
15. Mixture	LEAN for TAXI
16. Oil Pressure	30 Sec. GREEN
17. Avionics Master	ON
18. Avionics Fan	LISTEN
19. Fuel Pump	OFF
20. Transponder	Squawk 1200
21. ATIS	SET Altimeter G5

Contact GROUND for Taxi to Runway**Run-Up Checklist**

1. Brakes	SET
2. Doors/Windows	CLOSED/LOCK
3. Belts/Harness	SECURED
4. Controls	CHECK
5. Autopilot	OFF
6. Panel	TEST PANEL
7. Fuel Selector	SWITCH TANKS
8. Speed Brakes	TEST periodically
9. Blast Area	CLEAR BEHIND
10. Throttle	2000 RPM
11. Engine Instruments	ALL GREEN
12. Mixture	LEAN Check
13. Magnetos	175 Max, 50 Diff
14. Alternate Air	CHECK then OFF
15. Propeller	1 time, -300RPM
16. Ammeter Check	+CHARGING
17. OilPress/Temp/Avg	ALL GREEN
18. Throttle	800-1000 RPM
19. NO RED X's	
20. IFR: Pitot Heat	Turn On for IFR

Ready for Takeoff Checklist

Speed Brakes	OFF
Cowl Flaps	OPEN
Elevator Trim	SET TAKEOFF (window)
Rudder Trim	SET TAKEOFF (window)
Flaps	SET TAKEOFF (window)
Lights	STROBES-LANDING-NAV
Camera	XPDR squawk and "Alt"
Action	Note TAKEOFF TIME
Review	Vspeeds
Review	Take Off Engine Loss

Takeoff Checklist

Mixture	FULL RICH across line
Power	FULL IN (slowly)
	Max 2575 / 34" (38" max)
Vrotate	70 KIAS
Climb	105 KIAS
Flaps	UP when Clear
Landing Gear	UP when Clear
Nose Trim	DOWN ASAP

Climb Checklist (1000agl+)

Power	2400/34"
Mixture	FULL rich
Climb Airspeed	120-130 KIAS
Landing Light	OFF

Descent Checklist (to land)

Power	24"/2400"
Mixture	ROP Side
Cowl Flaps	Closed
Speed Brakes	As Needed
Airspeed	Below 174 KIAS

Emergency Procedures**Engine Failure****Memory Items ABCDE**

A Airspeed	85 KIAS
B Best Place to Land	(Check Wind Dir)
C Checklist	TRY RESTART
D Declare Emergency	121.5 MAYDAY
	7700 IDENT
E Execute Landing	Door Open
	Seatbelts/Brace

ENGINE RESTART Procedures

Fuel Selector	FULLEST TANK
Fuel Pump	ON
Mixture	FULL RICH
Throttle	FULL THROTTLE
Alternate Air	FULL ON
Magnetos	BOTH
Master Switch	ON

Before TOUCHDOWN (forced landing)

Door	OPEN
Belts	SECURE
Cushions	PROTECT HEAD
Mixture	IDLE CUTOFF
Fuel Selector	OFF
Magnetos	OFF
Flaps	FULL if POSSIBLE
Master	OFF
Landing	SOFT FIELD TYPE

Engine Fire in Flight

Mixture	IDLE CUTOFF
Fuel Selector	OFF
Cabin Air/Heat	CLOSE VENTS
Flaps	FULL FLAPS
Master	OFF
Airspeed	TOP of WHITE 110 KIAS
Bank Angle	45 DEGREES
	Proceed with Engine Failure Above

Electrical Fire in Flight

Master	OFF
Avionics	OFF
All Switches	OFF
Vents/Cabin Air	CLOSED
Fire Extinguisher	ACTIVATE
Fire	EXTINGUISHED
Vents/Cabin Air	VENT CABIN
If electrical power is necessary, then:	
Master	ON
Circuit Breakers	CHK, do not reset
Radios	OFF
Avionics Master	ON
Radios/Switches	ONE AT A TIME

Wing Fire

Navigation Lights	OFF
Pitot Heat	OFF
Strobe Lights	OFF
Side Slip	PERFORM

Excessive Rate of Charge

Alternator	OFF
Alternator Breaker	PULL OFF
Nonessential Equipment	OFF
Flight	Terminate ASAP

Low Voltage Light On

Avionics Master	OFF
Alternator Circuit Breaker	CHECK IN
Master (both sides)	OFF
Master (both sides)	ON
Low Voltage Light	CHECK
Avionics Master	ON
If low-voltage light illuminates again, then	
Alternator	OFF
Nonessential Radios/Equip	OFF
Flight	Terminate ASAP

Emergency Gear Extension

Master/ALTR Switch	ON
Circuit Breaker	CHECK IN
-- Emergency Gear	Extend --
Gear Selector	DOWN
Circuit Breaker	PULL (disengage)
Airspeed	BELOW 140 KIAS
EMERGENCY LEVER	LATCH FWD
	LEVER BACK
T-Handle	Slowly Pull 1-2" to engage
	PULL 12-20 TIMES & return

Lost - 'CCCCC'

Climb	(Better radio range)
Communicate	(FSS, 121.5)
Confess	(Ask for help)
Comply	(Follow advice)
Conserve	(Fuel-slow down)

SPIN RECOVERY

Throttle	IDLE
Ailerons	NEUTRAL
Rudder	OPPOSITE Rotation
Elevator	FWD BRISKLY
Rotation	STOPPED
Controls	NUETRALIZE
Recover	SLOWLY

Mooney M20M Performance (270hp)	
Fuel Capacity	118 Usable Gallons
Max Takeoff Weight	3368 lbs
Max Landing Weight	3200 lbs
Max Baggage	120 lbs
Empty Weight	2315 (1/6/22)
Tire PSI	49 front 42 mains
Electrical	24V
Oil	Phillips 20W-50 (8-10qts)

General	
Fuel Gauge	Digital on ground xx=30gal

Airport	WX	Twr-CTAF	TPA	Runways
KBJC	126.250	118.6/121.7	6500	30RL/12RL
KEIK	133.825	123.000	6200	34/16rp
KLMO	120.000	122.975	6000	29/11
KFNL	135.075	118.4/121.65	6000	33/15
KBDU	118.825	122.725	6300	8/26rp
KGXY	135.175	122.800	5500	35/17/28/10
KAPA	120.300	118.9/121.8	6900	35RL/17RL
Practice Area Longmont			123.175	
Practice Area Chatfield			122.750	
Emergency		121.500		
Flight Service		122.200		
Den App (W)126.1	(N)134.85	(E)128.25	(S)128.45	
KBJC Fuel Truck	(303) 466-2336	122.950		
KBJC Tower	(303) 633-8600			
IFR Clearance	(888) 766-8267			

Airspeeds		
V1	abort takeoff	55 KIAS (50% Rwy)
Vs0	stall w/Flaps	59 KIAS
Vs1	stall clean	66 KIAS
Vr	rotate	70 KIAS
Vy	best rate	105 KIAS
Vx	best angle	85 KIAS
Vbest glide		85 KIAS Glide
Vfe	flaps extend	110 KIAS full flaps
Va	maneuvering	111-126 KIAS
Vno	max cruise	174 KIAS
Vne	never exceed	195 KIAS
Vlo	gear operation	149 KIAS
Vle	gear extended	165 KIAS
Landing: 20"->13" MP 100 - 80base - 70 over#'s		

Shutdown Checklist (hangar 172)	
Electrical	AVIONICS OFF
Throttle	IDLE
Mixture	IDLE CUTOFF
Magnetos	OFF
Cowl Flaps	CLOSE
Master	OFF
Battery	Change BAT1- BAT2
Control Lock	SECURE



Pre Landing Checklist	
C - Cowl Flaps	CLOSED
G - Gas	Fullest Tank
U - Undercarriage	GEAR DOWN
M - Mixture	RICH if Necessary
P - Propellor	FULL FORWARD
P - Pump	FUEL PUMP ON
S - Switches	Landing Light ON
S - Safety	Seat Belts ON

Power Settings				
Climb	34"/2400	125 kias	RICH	
Cruise		Fuel	10,500	12,500
Fast	34"/2200	14.5	170	180 tas
Med	32"/2200	13.5	160	170 tas
Slow	30"/2200	12.5	155	165 tas
Descent	24"/2400	160 kias	Rich	
Approach	20"/2400	112 kias	Rich	
ILS FAF	16"/Full	105 kias	Rich	

Landing	
Downwind	100 KIAS @ 20"/2400
Abeam #'s	80 KIAS @ ~13-15"/2400
Flaps	Partial (below 110 KIAS)
Flaps	FULL on Final
Over the #'s	70 KIAS FULL FLAPS
NOSE UP TRIM	(5-6 degrees nose up)

Temperatures/Numbers	
CHT	400 Max (POH 500 max)
TIT	1650 Max (POH 1750 max)
EGT	1560 Max
Oil Temp	245 Max (POH 100 min)
RPM/MP	2575/38" Max

Go Around (ABORTED LANDING)	
Throttle	FULL THROTTLE
Mixture	FULL RICH
Airspeed	Establish 80+ KIAS
Flaps	Positive Rate, RETRACT
Gear	Positive Rate, UP
Cowl Flaps	OPEN
Speed Brakes	OFF

Bluetooth for Music Setup
 G3X->AudioPanel->Music "Pair Device"
 iPhone->BT Select "GMA 245R #..."

Clear Runway Checklist	
Nose Trim	SET "TAKEOFF"
Flaps	UP
Fuel Pump	OFF
Landing Light	OFF
Cowl Flaps	OPEN
Transponder	Squawk 1200

Bluetooth for Foreflight iPhone Setup
 G3X->System->BT "Search for Devices"
 Select iPhone "GDU4XX #..."

Send Flight Plan -> G3X -> G530
 Bluetooth CONNECTED
 Foreflight or G530 Change Flight Plan