Pref	light Mooney M	120J
1.	Fuel Level	VISUAL CHECK
2.	Hobbs Book	CHECK #'s
3.	Paperwork	ARROW-AV1ATE
4.	Control Lock	REMOVE
5.	Gear Lever	GEAR DOWN
6.	Fuel Selector	Pick a Side
7.	Instruments	0's, INOP FLAGS
8.	Master	ON
9.	Fuel Qty	CHECK
10.		LISTEN
11.		DOWN
12.		
13.		TEST
	Gear Position	CHECK LIGHTS
	Pitot Heat	CHECK
16.		OFF
17.		LOCKED
18.	Preflight .	WALK AROUND
L	☐ Fuel Level	VISUAL CHECK
L	☐ Fuel Sumps	DRAIN 4 SUMPS
□ Oil		6-8 Quarts
L	☐ 360 Walk	TIE-DOWNS
December Printing Charlist		

rassenger briefing Checklist			
1.	Seat Belts/Harness	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	

_		
Eng	ine Start Checklist	
1.	Brakes	SET
2.	Electrical	ALL OFF
3.	Aux Pumps	BOTH OFF
4.	Circuit Breakers	ALL IN
5.	Cowl Flaps	OPEN
6.	Ram Air	CLOSED
7.	Master Switch	ON
8.	Beacon	ON
9.	Throttle	1/4 Inch Open
10.	Mixture	FULL RICH
11.	Fuel Pump	ON ~ 3sec - OFF
12.	Area	************
13.	Magnetos/Starter	CRANK ENGINE
14.	Throttle	800-1000 RPM
15.	Mixture	LEAN for TAXI
16.	Oil Pressure	30 Sec. GREEN
17.	Flaps	UP
18.	Avionics Master	ON
19.	Transponder	1200 "STANDBY"

Contact GROUND for Taxi to Runway

TUNE, TEST

SET Altimeter

Radios

ATIS

Whi	le Taxi Checklist	
Brak	ces	TEST both sides
Verify Instruments		6 PACK CHECK Compass/TC/DG
Position at Run-up		INTO WIND
Run	-Up Checklist	
1.	Brakes	SET
2.	Doors/Windows	CLOSED
3.	Belts/Harness	SECURED
4.	Controls	CHECK
5.	Trim	SET TAKEOFF
6.	Instruments	SET AI / DG
7.	Fuel Selector	SWITCH TANKS
8.	Blast Area	CLEAR BEHIND
9.	Throttle	2000 RPM
10.	Engine Instruments	ALL GREEN
11.	Mixture	Rich then LEAN
12.	Magnetos	175 Max, 50 Diff
40	Duanallan	Cuala 2 álmas

1.	Inrottle	2000 RPM
١٥.	Engine Instruments	ALL GREEN
11.	Mixture	Rich then LEAN
12.	Magnetos	175 Max, 50 Diff
١3.	Propellor	Cycle 3 times
14.	Ammeter Check	+CHARGING
15.	Vac/OilPress/Temp	ALL GREEN
۱6.	Fuel Pressure	CHECK
١7.	Throttle	800-1000 RPM
18.	IFR: Pitot Heat	Turn On for IFR

Ready for Takeoff Checklist		
OPEN		
SET TAKEOFF (window)		
SET TAKEOFF (window)		
ON		
STROBES-LANDING-NAV		
XPDR Code / "Altitude"		
Note TAKEOFF TIME		
Vspeeds		
Take Off Engine Loss		
WINDS		

Takeoff Checklist		
Mixture	FULL RICH across line	
Vrotate	62 KIAS Vrotate	
Climb Out	87 KIAS	
Flaps	UP when Clear	
Landing Gear	UP when Clear (<108kts)	
Prop	Verify full 2700rpm	
Prop	2500rpm after 500ft	

Р

Airspe	eds	M20C
V1	abort takeoff	52 KIAS (50% Rwy)
Vs0	stall w/Flaps	55 KIAS
Vs1	stall clean	63 KIAS
Vr	rotate	62 KIAS
Take	eoff Climb	87 KIAS
Vy	best rate	85 KIAS
Vx	best angle	70 KIAS
Vbe	st glide	88 KIAS
Vfe	flaps extend	115 KIAS
Va	maneuvering	105 KIAS
Vno	max cruise	176 KIAS
Vne	never exceed	198 KIAS
VIo	gear operation	100 KIAS
Vle	gear extended	108 KIAS
Landin	ng: 12-14"MP	90 - 80base - 71 over #'s

Descent Checklist	
 Power 	Reduce as RQD
Cowl Flaps	CLOSED
3. Mixture	Enrichen as RQE

Mixture Enrichen as
 Ram Air CLOSED

Pre Landing Checklist C - Cowl Flaps

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

Landing

Landing		
Downwind	90 KIAS @ 15"MP	
Abeam #'s	80 KIAS @ 12-14"MP	
	(Incremental FLAPS)	
Over the #'s	71 KIAS FULL FLAPS	

** Gusty or Cross Winds No Flaps

Go Around (ABORTED LANDING)

• / • aa (/ t.= t	, , , , , , , , , , , , , , , , , , ,
Throttle	FULL THROTTLE
Flaps	UP when positive rate
Airspeed	Establish +70 KIAS
Flaps	Bring up SLOWLY

Clear Runway Checklist

Trim	SET "TAKEOFF
Flaps	UP
Fuel Pump	OFF
Cowl Flaps	OPEN
Landing Light	OFF
Transponder	1200 "STDBY"

Shutdown Checklist

Electrical	AVIONICS OFF
Throttle	IDLE
Mixture	IDLE CUTOFF
Magnetos	OFF
Master	OFF
Control Lock	SECURE
Tiedowns	FASTEN

CLOSE FLIGHT PLAN

Flooded Engine Start Checklist

Fuel Pump	OFF
Mixture	IDLE CUT OFF
Throttle	FULL
Starter	CRANK

Power Settings

Power Cruise (75%): 2500RPM, MP 24" (lean 120ROP)

Economy cruise (50%): 2200RPM, MP 21"

Temperatures/Numbers

CHT 400 Max (POH 500 max)
TIT 1600 Max (POH 1750 max)

EGT **1560 Max**

Oil Temp 245 Max (POH 100 min)

Emergency Procedures

Engine Failure

Memory Items ABCDE

A Airspeed **88 KIAS** (Check Wind Dir)

B Best Place to Land

C Checklist TRY RESTART D Declare Emergency 121.5 MAYDAY

7700 IDENT

Doors Open E Execute Landing

Seat Belts

ENGINE RESTART Procedures

Fuel Selector FULLEST Fuel Pump ON

Mixture **FULL RICH** Throttle **FULL THROTTLE**

BOTH Magnetos

Emergency Landing (without power)

Airspeed 88 KIAS **SECURE** Belts

Cushions PROTECT HEAD Mixture **IDLE CUTOFF**

Fuel Selector OFF Magnetos **OFF**

FULL if possible Flaps

Master OFF **OPEN** Door

SOFT FIELD Landing

Engine Fire in Flight

IDLE CUTOFF Mixture Fuel Selector OFF

CLOSE VENTS Cabin Air/Heat Flaps **FULL FLAPS**

Master OFF Airspeed TOP of WHITE 115 KIAS

Bank Angle 45 DEGREES

Proceed with "Emergency Landing"

Electrical Fire in Flight

OFF Master OFF Avionics All Switches OFF Vents/Cabin Air CLOSED Fire Extinguisher **ACTIVATE 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

ONE AT A TIME Radios/Switches

Wina Fire

Fliaht

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

Excessive Rate of Charge

Alternator OFF **PULL OFF** Alternator Breaker Nonessential Equipment OFF

Terminate ASAP

Low Voltage Light On

Avionics Master OFF Alternator Circuit Breaker CHECK IN Master (both sides) OFF Master (both sides) ON CHECK Low Voltage Light **Avionics Master** ON If low-voltage light illuminates again, then

Alternator OFF Nonessential Radios/Equip OFF

Flight Terminate ASAP

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 NEUTRAL Ailerons Rudder **OPPOSITE Rotation Elevator FWD BRISKLY** Rotation **STOPPED** Controls **NEUTRALIZE** Recover SLOWLY

Emergency Gear Extension

Master/ALTR Switch ON **CHECK IN** Circuit Breaker -- Emergency Gear Extend --**Gear Selector DOWN**

Circuit Breaker PULL (disengage) **BELOW 100 KIAS** Airspeed HAND CRANK **Push FORWARD Crank Clockwise**

Gear Indicator GREEN

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
КАРА	120.300	118.9/121.8	6900	35RL /17RL
Practice Area Longmont 123.175				
Practice Are	a Chatfield		122.750	
Emergency		121.500		
Flight Service	e	122.200		
Den App	(W)126.1	(N)134.85	(E)128.25	(S)128.45
KBJC Fuel Tr	uck	(303) 466-2336	122.950	
KBJC Tower		(303) 633-8600		
IFR Clearand	e	(888) 766-8267		

Performance (201hp)		
Fuel Capacity	64 (32/32) Usable Gallons	
Aux Tanks	17gal each (only use if rqd)	
Fuel Burn	~ 10-11 GPH	
Tire Pressure	49psi nose 30psi mains	
Max Gross	2740 lbs (bew xlbs) xul	
Max RPM	2700 rpm	
Voltage	24v	