

## M20J SE-LBV IFR Checklist

### PREFLIGHT

- |    |                            |                |
|----|----------------------------|----------------|
| 1  | Parking Brake              | SET            |
| 2  | Landing Gear               | DOWN           |
| 3  | Pre-Flight Check           | PERFORMED      |
| 4  | Documents                  | CHECKED        |
| 5  | Seats & Seat Belts         | SET            |
| 6  | Magnetos/Starter Switch    | OFF            |
| 7  | Master Switch              | ON             |
| 8  | Alternator Switch          | ON             |
| 9  | Radio Master Switch        | OFF            |
| 10 | Surface Anti-Ice/Ice Light | OFF            |
| 11 | Fuel Pump                  | OFF            |
| 12 | Directional Gyro           | SLAVED         |
| 13 | Circuit Breakers           | ALL IN         |
| 14 | ELT                        | ARMED          |
| 15 | Electrical Switches        | OFF            |
| 16 | Alternate Static Source    | CHECKED/CLOSED |
| 17 | Cowl Flap                  | OPEN           |
| 18 | Fuel Selector/Quantity     | SET/CHECKED    |
| 19 | Emergency Gear Handle      | DOWN & LATCHED |

Check Logbook, remarks, LVB, Insurance

### ENGINE START

- |    |                            |                   |
|----|----------------------------|-------------------|
| 1  | Annunciator Panel          | TEST              |
| 2  | Mixture                    | RICH              |
| 3  | Throttle                   | IDLE              |
| 4  | Fuel Pump (if cold engine) | ON THEN OFF       |
| 5  | Mixture                    | IDLE CUT OFF      |
| 6  | Starter                    | ENGAGE            |
| 7  | Enging running: Mixture    | RICH              |
| 8  | Throttle                   | 800-1000 RPM      |
| 9  | Oil Pressure               | INDICATION IN 30S |
| 10 | Fuel Flow Indicator        | TEST/RESET        |
| 11 | Engine Instrument          | CHECKED           |
| 12 | Mixture                    | ADJUST            |

### BEFORE TAXI

- |   |                      |             |
|---|----------------------|-------------|
| 1 | Radio Master Switch  | ON          |
| 2 | Elevator Trim Switch | ON          |
| 3 | Directional Gyro     | SET/SLAVED  |
| 4 | Radio                | SET/CHECKED |
| 5 | NAV Aids             | CHECKED     |
| 6 | Transponder          | STAND BY    |
| 7 | Autopilot            | TEST        |
| 8 | Taxi Clearance       | OBTAIN      |
| 9 | Altimeters           | SET&CHECKED |

Set QNH on both, Check differens max 60 ft.

### TAXI

- |   |                    |                 |
|---|--------------------|-----------------|
| 1 | Brakes             | CHECKED         |
| 2 | Flight Instruments | CHECKED IN TURN |

Check turn coordinator turning: "Turning L/R"  
Check ball skidding opposite: "Skidding R/L"

### BEFORE TAKEOFF

- |    |                          |                 |
|----|--------------------------|-----------------|
| 1  | Parking Brake            | SET             |
| 2  | Engine Runup (2000 RPM)  | COMPLETED       |
| 3  | Elevator Trim            | TAKEOFF/CHECKED |
| 4  | Flaps                    | TAKEOFF         |
| 5  | Controls                 | FREE            |
| 6  | Door, Bagage Door&Window | CLOSED/LATCHED  |
| 7  | Autopilot                | OFF             |
| 8  | Annunciator Lights       | CHECKED         |
| 9  | Clearance                | RECEIVED        |
| 10 | Dep. Briefing & Nav aids | GIVEN/SET       |
| 11 | Strobe Lights            | ON              |

Check horizon stable: "Horizon stable"  
Check Gyro moving: "Gyro moving"  
Check compass moving: "Compass check"

### LINING UP

- |   |                    |               |
|---|--------------------|---------------|
| 1 | Pitot Heat         | ON            |
| 2 | Landing Lights     | ON            |
| 3 | Fuel Pump/Pressure | ON/CHECKED    |
| 4 | Mixture            | RICH          |
| 5 | Transponder        | ON            |
| 6 | Surface Anti-Ice   | AS REQUIRED   |
| 7 | Directional Gyro   | CHECK RWY HDG |

Check in runway dir. check compass reading

<b>CLIMB</b>	
1 Gear	UP
2 Climb power	25" 2500 RPM
3 Flaps	UP AT SAFE ALT.
4 Fuel Pump/Pressure	OFF/CHECK
5 Landing Light	OFF
6 Cowl Flap/CHT	ADJUST/CHECKED
7 Speed	80/100KT
8 Icing	CHECKED
9 Altimeters 1013	SET
<b>CRUISE</b>	
1 Cowl Flap	CLOSED
2 Power	SET
3 Mixture	ADJUST
4 Directional Gyro	SET
5 Icing	CHECKED
<b>BEFORE DESCEND</b>	
1 Directional Gyro	CHECK SLAVED
2 Suction	CHECKED
3 TOD	DETERMINE
4 Surface Anti-Ice	AS REQUIRED
<b>APPROACH</b>	
1 Apch. Briefing & Nav aids	GIVEN & SET
2 Fuel Quantity	CHECKED
3 Altimeters	CHECKED
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4 Gear	DOWN
5 Mixture	RICH
6 Propeller	FORWARD
7 Fuel Pump	ON
8 Landing Light	ON
9 Flaps	TAKEOFF
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10 Autopilot	DISCONNECT
11 Flaps	TAKEOFF/FULL
<b>AFTER LANDING</b>	
1 Time	NOTE
2 Pitot Heat	OFF
3 Landing Light	OFF
4 Fuel Pump	OFF
5 Mixture	ADJUST
6 Transponder	STANDBY
7 Surface Anti Ice	OFF
8 Cowl Flap	OPEN
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9 Strobe Lights	OFF
10 Flaps	UP
<b>PARKING</b>	
1 Parking Brake	SET
2 Radio Master Switch	OFF
3 Electrical Switches	OFF
4 Mixture	IDLE CUT OFF
5 Magnetoes	OFF
6 Master Switch	OFF
7 Alternator Switch	OFF
2006-07-06 LUM	
<b>Approach briefing:</b>	<b>RUN UP:</b>
Date on IAL plate	Throttle 2000 RPM
Airport and type of approach	Magnetos L/R
Runway	Propeller Cycle
MSA	Ampere Check
IAF	Vacuum Check
Entry	Throttle 1000 RPM
Initial altitude	<b>Speeds:</b>
Inbound track	Vr 60 KIAS
OM/MM altitude	Vx 66 KIAS
Minimum/DP	Vy 86 KIAS
GA procedure/MAP procedure	Cruise Climb 100 KIAS
Nav aids set and check	Engine Failure 90 KIAS

Do by heart, read checklist above SA (1000 ft)

80 kt up to SA, After SA 100 kt  
Above TA

Above 5000 ft Max Throttle, 2300-2500 RPM  
Leaning to 50F below peak or 9,2 g/h (65%)

For descend:  
Throttle 20"  
Speed VNO 174 KT  
Mixture MONITOR

By Heart  
Checked before OM/OL

By Heart  
After OM/OL, not later than established

At minimum

Do it by heart on runway  
Read checklist at parking

OFF when off runway  
UP when off runway