

TAXI CHECK

- | | | | |
|---|--|--------------|---|
| 1 | Brakes, steering..... | checked..... | 1 |
| 2 | Attitude, heading, slip & turn indicators. | checked..... | 2 |

TAXI CHECK COMPLETED**ENGINE RUN UP**

- | | | | |
|----|---|--|----|
| 1 | Parking brake..... | set..... | 1 |
| 2 | Engine instruments, oil temp..... | in limits, $\geq 75^{\circ}\text{F}$ | 2 |
| 3 | Area behind..... | clear..... | 3 |
| 4 | Throttle..... | 2000 RPM..... | 4 |
| 5 | Magnetos..... | max. drop 175 RPM/max. diff. 50 RPM | 5 |
| 6 | Carburetor heat..... | checked, RPM-drop / no icing..... | 6 |
| 7 | Mixture..... | EGT rise / RPM-drop..... | 7 |
| 8 | Alternator..... | charging..... | 8 |
| 9 | Engine instruments, annunc. Lights..... | green, all off..... | 9 |
| 10 | Throttle..... | idle (500 – 700 RPM)..... | 10 |
| 11 | Throttle..... | 1000 RPM set..... | 11 |

ENGINE RUN UP COMPLETED**CHECK BEFORE DEPARTURE**

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|----|--|---|----|
| 1 | Flight controls..... | free and easy..... | 1 |
| 2 | Electric fuel pump..... | on, pressure checked..... | 2 |
| 3 | Fuel quantity, endurance..... | lh ... / rh ..., endurance ... hrs..... | 3 |
| 4 | Fuel selector..... | fullest tank..... | 4 |
| 5 | Mixture | set (leaned > 5000 ft dens. ALT)..... | 5 |
| 6 | Carburetor heat..... | off..... | 6 |
| 7 | Magnetos..... | both..... | 7 |
| 8 | Primer..... | locked..... | 8 |
| 9 | Flaps..... | set 25° (2) or 0° (up)..... | 9 |
| 10 | Trim..... | set for T/O acc. load distribution..... | 10 |
| 11 | Engine instruments, annunc. lights.... | in limits / all off..... | 11 |
| 12 | Flight instruments..... | set for departure..... | 12 |
| 13 | Avionics..... | set..... | 13 |
| 14 | Departure briefing..... | completed..... | 14 |
| 15 | Door / stormwindow..... | closed and latched..... | 15 |
| 16 | Seats..... | locked..... | 16 |
| 17 | Seatbelts / cabin + passengers..... | fastened / secured | 17 |

READY FOR DEPARTURE

LINE UP CHECK

1	Approach & RWY.....	clear.....	1
2	Strobelights.....	on.....	2
3	Time.....	noted.....	3
4	Transponder.....	set.....	4
5	RWY.....	identified.....	5
6	RWY HDG + heading indicator.....	compared.....	6
7	Wind.....	checked.....	7
8	Time.....	check.....	8

LINE UP CHECK COMPLETED

CLIMB CHECK

1	Climb power.....	set.....	1
2	Flaps.....	0° (up).....	2
3	Electric fuel pump.....	off, pressure checked.....	3

CLIMB CHECK COMPLETED

CRUISE CHECK

1	Altimeters.....	set (2 x).....	1
2	Heading indicator.....	compared.....	2
3	Engine instruments, annunc. lights.....	in limits, all off.....	3
4	Cruise power.....	set.....	4
5	Mixture.....	leaned (at all altitudes).....	5
6	Fuel quantity, endurance.....	lh ... / rh ..., endurance ... hrs.....	6
7	Lights.....	as required.....	7
8	Transponder.....	ALT 7000 or according ATC.....	8

CRUISE CHECK COMPLETED

POWER SETTINGS

ALTITUDE	55 % (8 USG/h)	65 % (9 USG/h)
2000 FT	2230	2380
4000 FT	2280	2420
6000 FT	2320	2470
8000 FT	2360	2520
10000 FT	2410	2560
12000 FT	2460	2620

LEANINGPROCEDURES:

CLIMB:

<5'000 ft: full rich
>5'000 ft: smooth engine / 100°F rich of peak, keep EGT constant at T/O- EGT-level

CRUISE (at any altitude):

As lean as possible with smooth engine.
Readjust RPM-drop with throttle and mixture to target-RPM

DESCENT:

Enrich for smooth engine. For level-off: apply leaningprocedure for CRUISE again.

DESCENT CHECK

- | | | | |
|---|-------------------------------------|-------------------------|---|
| 1 | ATIS / landing information..... | received..... | 1 |
| 2 | Approach briefing..... | completed..... | 2 |
| 3 | Avionics..... | set / preselected..... | 3 |
| 4 | Seatbelts / cabin + passengers..... | fastened / secured..... | 4 |

DESCENT CHECK COMPLETED**APPROACH CHECK**

- | | | | |
|---|-------------------------|---------------------------|---|
| 1 | Altimeters..... | set QNH (2 x)..... | 1 |
| 2 | Heading indicator..... | compared..... | 2 |
| 3 | Landing light..... | on..... | 3 |
| 4 | Electric fuel pump..... | on, pressure checked..... | 4 |
| 5 | Fuel quantity..... | checked..... | 5 |
| 6 | Fuel selector..... | fullest tank..... | 6 |
| 7 | Mixture..... | rich..... | 7 |
| 8 | Carburetor heat..... | as required..... | 8 |

APPROACH CHECK COMPLETED**FINAL CHECK**

- | | | | |
|---|----------------------|------------------|---|
| 1 | Flaps..... | 40° (3) set..... | 1 |
| 2 | Mixture..... | rich..... | 2 |
| 3 | Carburetor heat..... | off..... | 3 |

FINAL CHECK COMPLETED**AFTER LANDING CHECK**

- | | | | |
|---|-------------------------|----------------------------|---|
| 1 | Transponder..... | ALT..... | 1 |
| 2 | Time..... | noted..... | 2 |
| 3 | Strobe lights..... | off..... | 3 |
| 4 | Electric fuel pump..... | off, pressure checked..... | 4 |
| 5 | Flaps..... | 0° (up)..... | 5 |

AFTER LANDING CHECK COMPLETED**STOPPING ENGINE / PARKING CHECK**

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|----|---|-----------------------|----|
| 1 | Parking brake..... | set..... | 1 |
| 2 | Throttle..... | 1000 RPM set..... | 2 |
| 3 | COM 2..... | 121,500 checked..... | 3 |
| 4 | Radio- / Avionics-Master..... | off..... | 4 |
| 5 | Electric switches / internal lights..... | off..... | 5 |
| 6 | Mixture..... | lean, cut off..... | 6 |
| 7 | Magnetos, ignition key..... | off, key removed..... | 7 |
| 8 | Alternator + battery master switches..... | off..... | 8 |
| 9 | Flight time counter..... | noted..... | 9 |
| 10 | Parking brake..... | as required..... | 10 |

STOPPING ENGINE / PARKING CHECK COMPLETED