

AFTER LANDING CHECK

| | | |
|------------------------|------------------|---|
| 1 Transponder | SBY | 1 |
| 2 Time | noted | 2 |
| 3 Landing Lights | off | 3 |
| 4 Taxi lights | on / as required | 4 |
| 5 Electrical fuel pump | off | 5 |
| 6 Flaps | up | 6 |

AFTER LANDING CHECK COMPLETED

ENGINE SHUT DOWN AND PARKING

| | | |
|------------------------------|-------------------|----|
| 1 Parking brake | locked | 1 |
| 2 Throttle | 1000 RPM | 2 |
| 3 Flaps | down | 3 |
| 4 Electrical consumers | all off | 4 |
| 5 121,5 MHz | checked | 5 |
| 6 Avionic master switch | off | 6 |
| 7 Mixture | cut-off | 7 |
| 8 Magneto switch | off | 8 |
| 9 Ignition Key | off / Key removed | 9 |
| 10 Alternator switch | off | 10 |
| 11 Battery master | off | 11 |
| 12 Flight data and documents | noted / completed | 12 |
| 13 Parking brake | set as convenient | 13 |
| 14 Fuel selector valve | closed | 14 |

PARKING CHECK COMPLETED

SPEEDS

| | | | |
|-------------------------------|---------------|---|--------------|
| | | VFE (max. Flaps speed 1st notch) | 92 kt |
| Vx | 70 kt | VFE (max. Flaps speed 2nd notch) | 81 kt |
| Vy | 92 kt | Vinitial approach | 81 kt |
| VA (Manoeuvring speed) | 116 kt | Vfinal (Full Flaps) | 68 kt |
| Vbest gliding angle | 81 kt | Crosswind component max. | 22 kt |

Luftdruck

| | |
|---------------|---------|
| Bugrad | 2.0 bar |
| Hauptfahrwerk | 1.8 bar |

The original approved airplane flight manual is the only valid applicable manual !



PREFLIGHT CHECK

| | | |
|------------------------|---------------------------|---|
| 1 AIRCRAFT PREPARATION | completed (according AFM) | 1 |
| 2 Outside check | completed | 2 |
| 3 Aircraft Papers | checked | 3 |
| 4 Aircraft log | checked | 4 |
| 5 Tow bar | secured | 5 |
| 6 Cabine | checked | 6 |
| 7 Loadsheets | checked | 7 |

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

| | | |
|-------------------------|-----------------------|---|
| 1 Parking brake | locked | 1 |
| 2 Front seats | adjusted and locked | 2 |
| 3 Belts and harness | adjusted and fastened | 3 |
| 4 Circuit breakers | all in | 4 |
| 5 Avionic master switch | off | 5 |
| 6 ELT | red light off | 6 |
| 7 Battery Master | on | 7 |
| 8 Fuel quantity | endurance? | 8 |
| 9 Fuel selector valve | select fullest tank | 9 |

CHECK BEFORE ENGINE START COMPLETED

STARTING ENGINE (Normal procedure, other see FLIGHT MANUAL Page 4.06)

| | | |
|-------------------------------------|---|----|
| 1 Carburetor heat | off | 1 |
| 2 Mixture | rich | 2 |
| 3 Strobe light | on | 3 |
| 4 Magneto switch | L | 4 |
| 5 Canopy | closed and locked | 5 |
| 6 Flaps | up | 6 |
| 7 Electric pump | on | 7 |
| 8 Fuel pressure | checked | 8 |
| 9 Throttle | 2 or 3 injections, then ca. 3mm forward | 9 |
| 10 Propeller area | clear | 10 |
| 11 Starter button | on(max. operation time 15 to 20 sec) | 11 |
| 12 When engine fires magneto switch | L+R ("both") | 12 |
| 13 Oil pressure (within 15 to 20 ") | green arc | 13 |

STARTING ENGINE COMPLETED

CHECK AFTER THE ENGINE STARTS

| | | |
|-----------------------------------|-------------------|----|
| 1 RPM | 1200 | 1 |
| 2 Electric pump | off | 2 |
| 3 Alternator switch | on | 3 |
| 4 Voltmeter | green range | 4 |
| 5 Vacuum gauges | green range | 5 |
| 6 Annunciator lights | test | 6 |
| 7 Avionic master switch, Avionics | on | 7 |
| 8 Flight instruments | check and set | 8 |
| 9 Engine instruments | checked | 9 |
| 10 Avionics Nav, Com | set and preselect | 10 |

CHECK AFTER ENGINE STARTS COMPLETED

TAXI CHECK

| | | |
|---------------------------|---------------|---|
| 1 Taxi light | on | 1 |
| 2 Parking brake | unlock | 2 |
| 3 Brakes | test | 3 |
| 4 Turn and bank indicator | check | 4 |
| 5 Directional gyro | check setting | 5 |
| TAXI CHECK COMPLETED | | |

ENGINE RUN-UP

| | | |
|--------------------------------|-----------------------------------|----|
| 1 Parking brake | locked | 1 |
| 2 Oil pressure and temperature | green range | 2 |
| 3 Fuel pressure | green range | 3 |
| 4 Mixture | rich | 4 |
| 5 Zone behind aircraft | free | 5 |
| 6 Canopy | closed and locked | 6 |
| 7 Throttle | 2000 RPM | 7 |
| 8 Magnetos (L-B-R-L-B) | checked (max. -175 / =50 RPM) | 8 |
| 9 Carburetor heat | check function (approx. -100 RPM) | 9 |
| 10 Mixture | check function | 10 |
| 11 Throttle idle | 600 to 650 RPM | 11 |
| 12 Throttle | set 1200 RPM | 12 |
| ENGINE RUN-UP COMPLETED | | |

CHECK BEFORE DEPARTURE

| | | |
|------------------------------------|---|----|
| 1 Seat position | checked and locked | 1 |
| 2 Electrical fuel pump | on | 2 |
| 3 Fuel quantity | Endurance? | 3 |
| 4 Fuel selector valve | select fullest tank | 4 |
| 5 Mixture | rich / as required | 5 |
| 6 Carburetor heat | off | 6 |
| 7 Magnetos | both | 7 |
| 8 Annunciator lights | checked | 8 |
| 9 Elevator trim | neutral according to balance | 9 |
| 10 Flaps | fully down, return to "take-off position" | 10 |
| 11 Controls | free and correct | 11 |
| 12 Engine instruments | check | 12 |
| 13 Flight instruments and avionics | set for departure | 13 |
| 14 Cabin and Pax | secured | 14 |
| 15 Departure briefing | completed | 15 |
| CHECK BEFORE DEPARTURE COMPLETED | | |

LINE UP CHECK

| | | |
|----------------------------|-------------------|---|
| 1 Canopy | closed and locked | 1 |
| 2 Landing light | on | 2 |
| 3 Time | noted | 3 |
| 4 Transponder | SBY or ALT | 4 |
| 5 Approach sector & runway | check, free | 5 |
| 6 Take off minimal RPM | 2200 RPM | 6 |
| LINE UP CHECK COMPLETED | | |

CLIMB CHECK

| | | |
|------------------------|-----------------------------------|---|
| 1 Flaps | up (after obstacle clearance) | 1 |
| 2 Climb power | set | 2 |
| 3 Electrical fuel pump | off (check pressure, green range) | 3 |
| 4 Landing light | as required | 4 |

CLIMB CHECK COMPLETED

CRUISE CHECK

| | | |
|-----------------|----------------------|---|
| 1 Altimeter | set (STD / QNH) | 1 |
| 2 Gyro | Checked / set | 2 |
| 3 Cruise power | set (according AFM) | 3 |
| 4 Mixture | set | 4 |
| 5 Fuel quantity | checked (Endurance?) | 5 |
| 6 Lights | as required | 6 |

CRUISE CHECK COMPLETED

DESCENT CHECK

| | | |
|---------------------|-----------------|---|
| 1 ATIS | noted | 1 |
| 2 Approach briefing | completed | 2 |
| 3 Avionics | set and checked | 3 |
| 4 Gyro | checked / set | 4 |
| 5 Cabin and Pax | secured | 5 |

DESCENT CHECK COMPLETED

APPROACH CHECK

| | | |
|-----------------------|--------------------------------|----|
| 1 Altimeter | set QNH | 1 |
| 2 Landing light | on | 2 |
| 3 Electric fuel pump | on | 3 |
| 4 Fuel quantity | checked (Endurance?) | 4 |
| 5 Fuel selector valve | select fullest tank | 5 |
| 6 Mixture | rich/ as required | 6 |
| 7 Carburetor heat | set | 7 |
| 8 Flaps | below 92 kt, take-off position | 8 |
| 9 Speed | 81 kt | 9 |
| 10 Elevator trim | set | 10 |

APPROACH CHECK COMPLETED

LANDING CHECK

| | | |
|-------------------|-------------------------------|---|
| 1 Flaps | below 81 kt, landing position | 1 |
| 2 Mixture | rich / as required | 2 |
| 3 Carburetor heat | off | 3 |

LANDING CHECK COMPLETED