

<b>Cockpit positions</b>	LF - Left Fore LM - Left Middle LA - Left Aft	CL - Center Left C - Center CR - Center Right	RF - Right Fore RM - Right Middle RA - Right Aft
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BEFORE START

Parking Brake (Stick)	.....SET
Fuel Quantity (CR)	.....CHECK
Mixture Control lever (LM)	.....IDLE CUT-OFF
Throttle.....	Advance to FULL then CLOSE
Landing Gear & Low Fuel pressure lights	.....CHECK ON

ENGINE START

Main Fuel Tank Cock (C)	.....ON
Throttle.....	Advance 1 inch
RPM Control lever.....	FULL FORWARD
Carburettor Air (LM).....	FILTERED (FWD)
MAGNETO 1 & 2 switches (CL)	.....2x ON
Primer Pump (CR)	.....PRIME

30° 2-3x	20° 4x	10° 5x	0° 5-6x	-10° ~ -20° < 15x
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Wobble Pump (RM)	.....Pump until Fuel pres. warning light off
Starter & Booster Coil switches (C).....	UNCOVER & HOLD
Mixture Control lever (LM).....	RUN
Throttle	.....IDLE
Fuel Pump switch (LM).....	ON
RAD FLAP switch (Radiator Flap, LM)	.....Check OFF (Auto)

POST-START

PITOT HEAT switch (LM)	.....ON / As req.
Oxygen valve (CL)	.....OPEN
Radio (LF)	.....REM & Tuned
Altimeter (CL).....	SET
Magnetic Compass (C)	.....SET
Directional Gyro (C)	.....SET to Magnetic heading

ENGINE WARM-UP

Throttle.....	Advance to 1000-1200 RPM
Wait until engine oil warms up ≥ 20° & coolant ≥ 60°	

TAXI

Navigation Lights switch (CL)	.....As des.
Parking Brake (Stick)	.....RELEASE
Stick	.....HOLD BACK

BEFORE TAKEOFF

Flaps (CL).....	UP
Elevator trim (LM).....	NEUTRAL or 1 Nose Down (Heavy load out)
Rudder trim (LM).....	FULL STARBOARD (Right)
Canopy	.....CLOSE

<b>Takeoff</b>	Rotate	90 mph	<b>Landing</b>	Gear / Flaps Final	150 mph 90 mph
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TAKEOFF

Stick .....	HOLD BACK
Throttle .....	Slowly advance to +8 Boost
~ 60 mph Stick .....	RELEASE SLOWLY
At 90 mph .....	ROTATE

AFTER TAKEOFF

≤ 140 mph	Gear .....	UP
> 1000 ft	Carburettor Air (LF) .....	NORMAL INTAKE
Climb Power Setting .....		+7 Boost & 2650 RPM

CRUISE

Power Setting	.....+4 Boost & 2650 RPM
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POWER SETTINGS | ENGINE LIMITATIONS

Condition	BOOST (psi)	RPM	Duration
TAKEOFF	+8	3000	
MAX T/O > 1000ft / WEP	+12 / +18	3000	5’
MAX CLIMB	+9	2840	60’
MAX RICH CONT.	+7	2650	Cont.
MAX WEAK CONT.	+4	2650	Cont.
COMBAT	+12	2850	60’
CRUISE	+4	2200	Cont.
Oil press. 45’ 60/80 norm.	Oil temp. 15’ 90° max	Coolant temp. 60’ 125° max	

VISUAL APPROACH & LANDING

Altimeter (CL).....	SET
Gun Safety Pin (Stick)	.....IN (SAFE)
Power Setting	.....+6 Boost & 2600 RPM
Pattern altitude	.....1000 ft AGL or As req.

On Downwind

Power Setting	.....-2 Boost & 3000 RPM
Carburettor Air (LF)	.....FILTERED
<div>≤ 170 mph</div> Gear	.....DOWN
<div>≤ 165 mph</div> Flaps (CL)	.....DOWN

On Final

Over threshold	Speed .....	90 mph
3-point attitude.....	HOLD until touch-down	
Touch-down Speed.....	60-70 mph	

AFTER LANDING | RUNWAY VACATED

Flaps (CL)	.....UP
Canopy	.....As des.

SHUTDOWN	
Parking Brake (Stick) .....	SET
Throttle .....	IDLE for 30”
Gunsight (CL) .....	OFF
Throttle .....	1000 RPM
Mixture Control lever (LM) .....	CUTOFF
Navigation Lights switch (CL) .....	OFF
PITOT HEAT switch (LM) .....	OFF
Fuel Pump switch (LM) .....	OFF
MAGNETO 1 & 2 switches (CL).....	2x OFF
Main Fuel Tank Cock (C) .....	OFF
Canopy .....	OPEN
Wheel Chocks .....	PLACE
Parking Brake (Stick) .....	RELEASE

HISPANO 20mm CANNONS & BROWNING MACHINEGUNS	
Gunsight Reflector Power switch (CL).....	ON
Gunsight Brightness (CL) .....	As des.
Gunsight Reflector Tinted Screen (CL) .....	As des.
Gunsight Wingspan (C).....	SET to 32 ft (FW190 & Bf.109)
Gunsight Range (C).....	300 yards
Gun Safety Pin (Stick) .....	OUT

BOMBING PROCEDURE	
<ul style="list-style-type: none"><li>• Approach target flying level, 6000-8000 ft, 220-230 mph</li><li>• When target disappears under the wing on a line 1/3 from wingtip, turn gently under the horizon in the direction of target. Regulate speed so the target remains visible.</li><li>• Throttle back and dive 45°-60°.</li><li>• Line up target with gunsight. Pull lead to bring target under the fuel cap.</li><li>• Release bombs at 3000 ft</li><li>• Full throttle and pull away level. Climb when out of flak range.</li></ul>	