

## BEFORE ENGINE START

- Preflight Check completed
- Fuel & oil caps, cowlings
- OAT ≤ 0°C: Fuel Additive
- METEO / NOTAM / DABS
- Mass & Balance
- Cabin & Baggage secured
- Passenger Briefing
- Departure Briefing

• Seat, Seatbelts, Pedals	Adjusted
• Cyclic Friction	OFF
• Heater P2 / Air Conditioning	OFF
• Rotorbrake - Lever	Forward & Locked
• Fuel Shutoff - Lever	Forward & Secured
• Landing Light	2 x OFF (Collective)
• All Circuit Breakers	Checked: IN
• GPS, COM, NAV	OFF
• Instrument Light Selector	As Required
• BATTERY + GENERATOR	ON ( <b>Check Voltage &gt; 23V</b> )
• VEMD	on Display
• Fuel Quantity	Check Endurance
• Check Warning Lights (8x)	<b>GENE PITOT FUEL P HORN</b> <b>ENG P MGB P HYDR TWT GRIP</b>
• Intercom	Check ON
• HORN	ON
• Light Test	All Lights ON
• Fire Warning Test	LIGHT + GONG
• HORN	OFF
• Twist Grip	SHUT OFF Position
• Collective	Down + Locked
• Hydraulic Switch	2 x ON (Collectives)

## ENGINE START

• FUEL PUMP	ON, Wait 30 sec
• Anticollision light	Check ON
• Avionics / Radios	ON / FLARM ON
• All Controls	Neutral
• Area (left&right) / HELI traffic	CLEAR / no arriving/departing traffic
• T4 > 170°C	CRANK for 10 sec
• T4 > 50°C – Open TWIST Grip	TO <b>RED</b> MARK
• T4 < 50°C – Open TWIST Grip	TO <b>BLUE</b> MARK
• Starter	<b>Check Hand Position</b> Press and HOLD Voltage < 17V: ABORT
• <b>Maintain T4</b> ◀◀◀ ▶▶▶	<b>650°C – 700°C (max 800°C)</b>
• At 50% NG	Release Starter
• OPEN Twist Grip until	FLI is on Display
• <b>ENG P HYDR MGB P</b>	OFF
• Headsets	ON
• FLARM, ALT, Gyro, NAV, COM, TX	ON & SET

## ENGINE RUNUP

• PITOT Heater	ON
• Position Light	As required
• FUEL PUMP	OFF
• Collective	Down & Locked
• HYD ACCU Test	LACU Switch: OFF – Test – ON
• HYD Emergency Test	Collective Switch OFF / ON
• Spool up	Max. 40% Torque
• At 360 RRPM	HORN Switch ON / Check Audio
• OPEN Twist Grip to FLIGHT IDLE	RRPM > 370: Check Audio OFF
• Press VA/SELECT	GENE on Display
• All Warning & Caution lights	OFF

## SHUTDOWN

• Controls Locked	Apply Friction
• HORN & PITOT Switches	OFF
• REDUCE Twist Grip	To Ground Idle
• Landing light / Position lights	OFF / Start Timer 1:00
• After 1 min / T4 stabilized	Twist Grip CLOSE ▶▶▶▶
• T4	Check decreasing
• Rotor Brake as required	Below 150 RRPM
• Avionics	Check 121.500 / OFF
• Below 70 RRPM: Flight Report	Check Flight Number Check Over Limits Check Flight Time
• GENERATOR & BATTERY	OFF
• All Switches	OFF / Anticollision remains ON