

## BEFORE STARTING ENGINE

### METEO / NOTAM / DABS

### Mass & Balance Performance Cabin / Pax / Baggage Seatbelts Departure Briefing

• Cold Weather $\leq 0^{\circ}\text{C}$	Add anti-ice Additive
• 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's, NAV	OFF
• Instrument Light Selector	As Required
• BATTERY + GENERATOR	ON ( <b>Voltage &gt; 23V</b> )
• VEMD	on Display
• Fuel Quantity	Check Endurance
• Check Warning Lights (8x)	<b>GENE PITOT FUELP HORN 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 (Collective)

## ENGINE START

### Check T4 Temperature Check Battery Voltage

• FUEL PUMP	ON, wait 30 Seconds
• Anticollision Light	ON
• Headset	ON, 1 ear uncovered
• COM	ON/Frequency/Volume
• All controls	Neutral
• Rotor Area	Clear
• T4 > 200° C	[Crank] for 10 Sec
• T4 < 200° C open Twist Grip	<b>TO WHITE MARK</b>
• Starter	Press and Remain Voltage < 17V abort
• Maintain T4	<b>650°C – 700°C</b> (max. 800°C)
• at 50 % NG	Release Starter
• OPEN Twist Grip until	FLI is on Display
• <b>ENG P HYDR MGB P</b>	OFF
• XPNDR / COM / ALT / Gyro NAV / Flarm	ON + SET

## ENGINE RUN-UP

• PITOT Heater	ON
• Position Light	As Required
• FUEL PUMP	OFF
• Collective	Down + Locked LACU Switch
• Hydraulic Accu Test	OFF – Test – ON
• Hydraulic Emergency Test	Collective Switch OFF/ON
• Spool up (to 350 RPM)	Max. 40 % Torque
• HORN Switch	ON / check Audio
• OPEN Twist Grip to FLIGHT IDLE	RPM > 370 Audio OFF
• Press VA/SELECT	GENE on Display
• <b>All Warning + Caution Lights</b>	<b>OFF</b>

## ENGINE SHUT DOWN

• Controls locked	Apply Friction
• HORN + PITOT Switch	OFF
• REDUCE Twist Grip	to GROUND IDLE
• T4 stabilized	<b>Check Twist Grip</b> Min. 60 Seconds
• Landing light / NAV lights	OFF
• Twist Grip	CLOSE
• T4	Check decreasing
• Rotor Brake as Required	Below 150 RPM
• All Avionics	OFF
• Below 70 RRPM → Flight Report	Check Flight Number Check Over Limits Check Flight Time
• GENERATOR + BATTERY	OFF
• Check all Switches	OFF