

# EC120



# EC120

Pilotenbereich ▾

→]

HELI ACADEMY

Flugschule – Academy ▾ Erlebnisflüge Charterflüge Standorte ▾ Über uns ▾ Kontakt

## Interner Bereich

### Downloads

<https://www.heli-academy.ch/downloads/>

#### Helikopter

**ROBINSON R22 BETA II**  
Normal Checklist R22 Beta II  
Briefings, Normal Procedures & Volte R22 Beta II  
Emergency Checklist R22 Beta II  
Einführung R22 NG

**ROBINSON R44 II**  
Normal Checklist R44 II  
Briefings, Normal Procedures & Volte R44 II  
Emergency Checklist R44 II  
Einführung R44 NG

**ROBINSON R66 TURBINE**  
Normal Checklist R66 Turbine  
Briefings, Normal Procedures & Volte R66 Turbine  
Emergency Checklist R66 Turbine

**EUROCOPTER EC120**  
Normal Checklist EC120B  
Briefings, Normal Procedures & Volte EC120B  
Emergency Checklist EC120B  
Pre-Flight Checkliste EC120B (Rev18, 18DEC23)

# EC120



## NORMAL CHECKLIST EC120B

### 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 (Check Voltage > 23V)
• VEMD	on Display
• Fuel Quantity	Check Endurance
• Check Warning Lights (8x)	GENE PITOT FUEL P HORN ENG P MGB P HYDR TWT GRIP
• 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 RED MARK
• T4 < 50°C – Open TWIST Grip	TO BLUE MARK
• Starter	Check Hand Position Press and HOLD Voltage < 17V: ABORT
• Maintain T4	◀◀◀ ▶▶▶ 650°C – 700°C (max 800°C)
• At 50% NG	Release Starter
• OPEN Twist Grip until	FLI is on Display
• ENG P HYDR MGB P	OFF
• Headsets	ON
• FLARM, ALT, Gyro, NAV, COM, TX	ON & SET



## NORMAL CHECKLIST EC120B

### 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 350 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



# Start Turbine EC120

## Allgemeines:

- Handgelenk Stellung unbedingt einhalten
- Mit 2 Händen starten  
(Richtige Handgelenk-Stellung verhindert Aufdrehen anstatt Zudrehen!)
- Langsam AUF-drehen oder ZU-drehen  
(Auch beim Abstellen der Turbine)

## Kaltstart:

- Open TWIST Grip to BLUE Mark  
Maintain T4 - 650°C – 700°C (max 800°C)



• 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
• Maintain T4	<b>650°C – 700°C (max 800°C)</b>
• At 50% NG	Release Starter

## Warmstart: >170°C (CRANK for 10 sec)

- Open TWIST Grip to RED Mark  
Maintain T4 - 650°C – 700°C (max 800°C)



# Start Turbine EC120

- |                               |  |
|-------------------------------|--|
| • 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                      |
| <b>Check Hand Position</b>    |  |
| • Starter                     | Press and HOLD<br>Voltage < 17V: ABORT   |
| • <b>Maintain T4</b>          | <b>◀◀◀ ▶▶▶</b> 650°C – 700°C (max 800°C) |
| • At 50% NG                   | Release Starter                          |



# Start Turbine EC120

- T4 > 170°C CRANK for 10 sec
  - T4 > 50°C – Open TWIST Grip TO **RED** MARK
  - T4 < 50°C – Open TWIST Grip TO **BLUE** MARK
- |          |  |  |
|----------|--|--|
| <b>2</b> | Starter  | <b>Check Hand Position</b><br>Press and HOLD<br>Voltage < 17V: ABORT |
|          | <ul style="list-style-type: none"> <li>• Maintain T4 <span style="color: red;">◀◀◀</span> <span style="color: blue;">▶▶▶</span> <b>650°C – 700°C (max 800°C)</b></li> <li>• At 50% NG Release Starter</li> </ul> |  |





# Start Turbine EC120



- T4 > 170°C CRANK for 10 sec
  - T4 > 50°C – Open TWIST Grip TO **RED** MARK
  - T4 < 50°C – Open TWIST Grip TO **BLUE** MARK
- Check Hand Position**  
Press and HOLD  
Voltage < 17V: ABORT
- 3** • **Maintain T4** <<<>>>> **650°C – 700°C (max 800°C)**
- At 50% NG Release Starter

