

# CHECKLIST G-CCMO

(EV-97 Eurostar)

## PRE START CHECKS STAIP

- S** Security; Harnesses, Hatches, Control & Trim Check
- T** Throttle set idle - Choke OFF - Fuel ON
- A** All clear round prop, Facing safe direction – BRAKE ON
- I** Ignition (MAGS) ON – choke as reqd
- P** “CLEAR PROP” – start engine (pre-rotate if req'd)  
RADIO – CALL FOR TAXI

## AT THE HOLD CHIFTWAP

### **Brakes ON**

- C** Controls – Full & free movement, correct sense
- H** Harnesses & hatches secure
- I** Instruments – set & serviceable
- F** Fuel – on & sufficient for planned flight
- T** Trim, flap and transponder - set for take off
- W** Wheels straight and inflated
- A** All clear – all around & final approach clear
- P** Power – smooth and sweet, Engine -T's & P's ok, choke off, Mags check, OIL Temp AT LEAST 50° C

## LINED UP – FINAL CHECK TEA

### **Brakes ON**

- T** Temps all OK
- E** Engine power and sound
- A** All clear in the circuit and behind

## ENROUT CHECK (10 minutes) LIFE

- L** Location – Where are you where is the airfield
- I** Instruments – T's & P's
- F** Fuel – Check quantity/Estimate endurance
- E** Time elapsed / Estimate time to Land

## CIRCUIT JOINING CHECK - FRED A

- F** Fuel check state - sufficient for go around?
- R** Radio – Circuit (re)joining call
- E** Engine Ts & Ps OK
- D** Direction of landing runway, circuit & join
- A** Altimeter –set QFE
- A** Airfield – Check signal square, wind & traffic

## DOWNWIND CHECK - TWAT

- T** Temps and Pressures OK
- W** Wheels straight brakes off
- A** All clear in circuit
- T** First stage flaps and trim

## SHUTDOWN ERIM

- E** Engine Ts & Ps Green – not overheated – Mags check “dead cut”
- R** Radio, Transponder OFF
- I** Ignition OFF
- M** Master OFF, Charging OFF

## PRE -STALL CHECK HASELL

- H** Height – Min 2000 feet AGL
- A** Airframe – Configuration, integrity
- S** Security – harnesses & hatches, no loose objects
- E** Engine – T's & P's, fuel level ok
- L** Location – clear area / airspace, allow for drift
- L** Lookout – Clear all around

## EMERGENCY SHUT DOWN - TIFS

- T** Throttle – Closed
- I** Ignition (Magnetos) & master OFF
- F** Fuel - OFF
- S** Security – Harnesses & hatches

## EV-97 INFORMATION

VFE (max Flaps extended)	77 mph
Vs (Stall no flaps power off)	44 mph
(Stall no flaps power on)	37 mph
(Stall flaps fully extend)	36 mph

Approach speed (flapless)	70 mph
Approach speed (with flaps)	60 mph

Full power max rpm	5 mins only
Continuous high rpm limit	4800 rpm
Economic cruise	4000 rpm
Do not let engine idle below 1400 rpm.	
Nose wheel 14x4	- 160+20kPa/23+3psi
Main wheel 14x4	-180+20kPa/26+3psi

**DEPARTURE/PENETRATION POSITION/JOIN**  
**East Midlands Ground/ Control, OR ATSU for**  
**LARS OR Crossing Airway**

**Weight & Balance**

Aircraft empty weight = 268 kg  
 Max allowable AUW = 450 kg  
 Therefore useful load = 182 kg

Fuel weight = 0.72 kg per litre Avgas Unld

Fuel Load	Max remaining load
20 litres = 14.4 kg	167.6 kg 26 stones
30 litres = 21.6 kg	160.4 kg 25 stones
40 litres = 28.8 kg	153.2 kg 24 stones
50 litres = 36.0 kg	146.0 kg 23 stones
60 litres = 43.2 kg	138.8 kg 22 stones

**Baggage Shelf Max. Load 15 kgs**  
**Max cross wind 11mph**  
**Max head wind 27 mph**

Condition	Take off	Land
Standard performance	189m	273m
Over a 50' (15m) obstacle	364m	676m
10% increase in weight	+20%	+10%
Per 1000' aerodrome elev	+10%	+5%
Increase of 10deg in ISA	+10%	+5%
Dry Grass to 8" long	+20%	+15%
Wet Grass to 82 long	+30%	+35%
2 deg slope Up T/O Down land	+10%	+10%
Tailwind = 10% t/o speed	+20%	+20%

Pass your message.....

Departure Point  
 Destination inc VFR  
 Current position  
 Height or Level  
 Pressure QNH/QFE

Call on leaving area

If Asked for position

Current Position  
 Time  
 Height or Level  
 Pressure QNH/QFE

..... Control

Position inc VFR  
 Height  
 Pressure QNH/QFE

Eurostar G-CCMO, request departure info or request basic service OR request lower airspace radar service OR request crossing of airway __ at _____
Pressure QNH/QFE G-CCMO
if SVFR, then eta at zone boundary is required
<p>this is G-CCMO request</p> <p>..... change of frequency to.....</p>
Current Position
Time
Height or Level
Pressure QNH/QFE G-CCMO
G-CCMO request join for one visual circuit
Position inc VFR
Height
Pressure QNH/QFE G-CCMO