

**EC130B4**  
**PRE - FLIGHT CHECK LIST**



**ALLWAYS REFER TO AFM FOR MANUFACTURER PROCEDURES**

## 4.2 PREFLIGHT CHECK

- Make sure that the Flight-Related Checks (VLV) after the last flight of the previous day or before the first flight of the day have been performed, either by a pilot suitably trained to perform VLV and referring to present Flight Manual ( SECTION 8) or by a qualified mechanic complying with the Aircraft Maintenance Manual.
- Make sure that all flightworthiness-required corrective maintenance operations have been performed.
- These preflight checks can be done without opening any cowlings unless the helicopter had been parked for more than 2 days or in case of any visible leak or doubt.
- Check that the aircraft area is clean and unobstructed.
- Remove all picketing items if applicable
- Carry out the following checks:

### 4.2.1 EXTERIOR CHECK

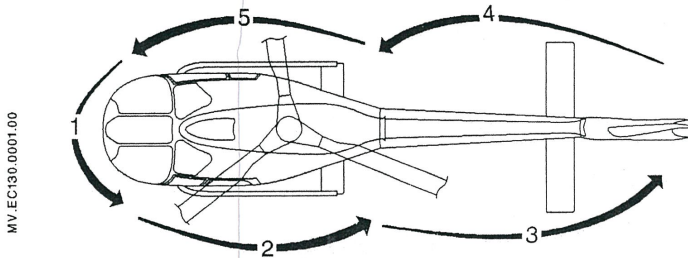


Figure 4-1 : Sequence of checks

#### Station 1

- Transparent panels.....Condition – Cleanliness
- MGB – Engine oil cooler air inlet.....Check no obstruction nor debris.
- Side slip indicator.....Condition
- Pitot tube.....Cover removed - Condition.
- Landing lights.....Condition.



### Station 2

- Front door ..... Condition, jettison system check.
- Sliding door ..... Condition, closed or open-locked.
- Left cargo door ..... Open.
- Loads and objects carried ..... Secured.
- Left cargo door ..... Closed, locked.
- Fuel tank and system ..... Filler plug closed – Tank sump drained
- MGB cowl ..... MGB oil level - Cowl locked.
- All lower fairing panels ..... Locked.
- Landing gear and foot step ..... Secure – Visual check.
- Static ports ..... Clear, covers removed.
- OAT sensors, antennas ..... Condition.
- Main rotor head and blades      Visual inspection , no impact.
- Engine air intake ..... Clear (water, snow, foreign object).
- Engine cowl ..... Locked.
- Rear cargo door ..... Open.
- Loads and objects carried ..... Secured.
- ELT ..... Check ARMED.
- Rear cargo door ..... Closed, locked.
- Oil drain ..... No oil under scupper.

### Station 3

- Heat shield on tail drive ..... Condition, attachment.
- Tail boom, antennas ..... Condition - Fairings fasteners locked.
- Tail boom door ..... Locked
- Stabiliser, fin, external lights ... General condition.
- Tail rotor duct and blades ..... Condition, no impact.
- Tail rotor head fairing ..... No rotation (paint marks).
- Keel and tail skid ..... Condition, attachment.

Station 4

- Yaw control rod ..... Secured.
- TGB..... Oil level.
- Stabiliser, fin, external lights.... General condition.
- Tail boom, antennas..... Condition - Fairings fasteners locked
- Heat shield on tail drive..... Condition, attachment

Station 5

- Oil drain ..... No oil under scupper.
- EPU door..... Closed or EPU plugged-in.
- Engine cowl ..... Locked
- Right cargo door ..... Open.
- Loads and objects carried ..... Secured.
- Right cargo door ..... Locked.
- Main rotor head and blades ..... Visual inspection , no impact.
- MGB cowl..... No foreign object on transmission deck. Cowl locked.
- Engine oil level ..... Check reservoir level
- Landing gear and foot step ..... Secure – Visual check.
- All lower fairing panels ..... Locked.
- Door ..... Condition, jettison system check.

**4.2.2 INTERIOR CHECK**

- Cabin ..... Clean.
- Fire extinguisher ..... Secured - Checked.
- Fuses/breakers..... All set.
- Loads and objects carried ..... Stowed and secured.
- Front doors jettison system..... Checked - Plastic guard condition.



#### 4.2.3 TURNAROUND CHECK

- Overall aspect .....Condition, cleanliness.
- Engine / MGB / TGB .....Oil level.
- Main and tail rotor blades .....Condition.  
(from ground)
- Loads .....Secured
- All cowlings .....Locked
- Doors .....Closed or open-locked (sliding door)
- Every 15 flight hours maximum :
  - . Check engine forward and aft reduction gear magnetic plugs  
(without electrical indication).

#### NOTE

**If the aircraft is to be parked some time between flights, temporary picketing is recommended by fitting blanks, covers, and blade socks in winds above 40 kt.**

**In this case, perform a complete pre-flight check**