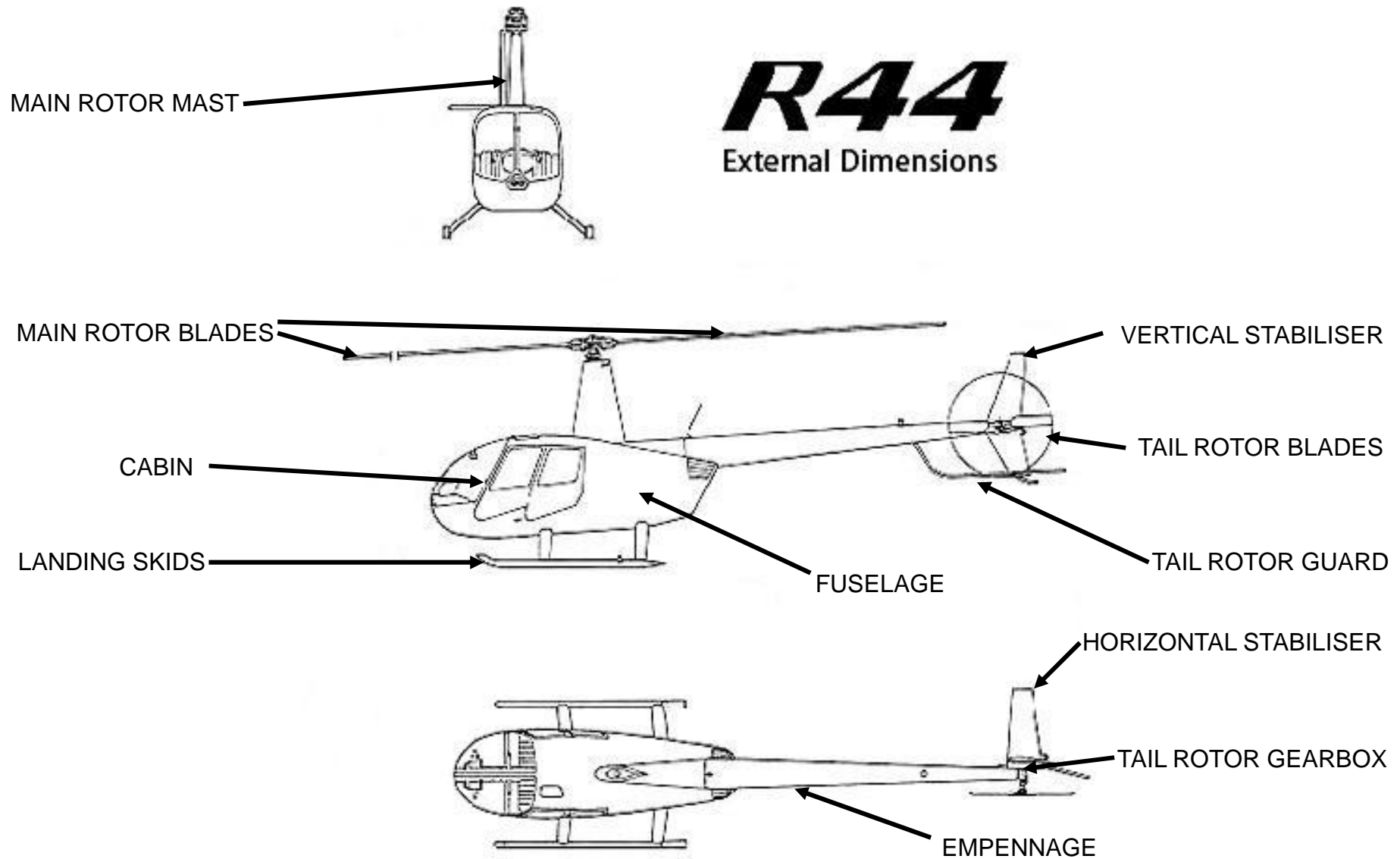


## Exercise 1a Familiarisation with the helicopter

### Helicopter Familiarisation

You will be shown the external helicopter features during the pre-flight inspection





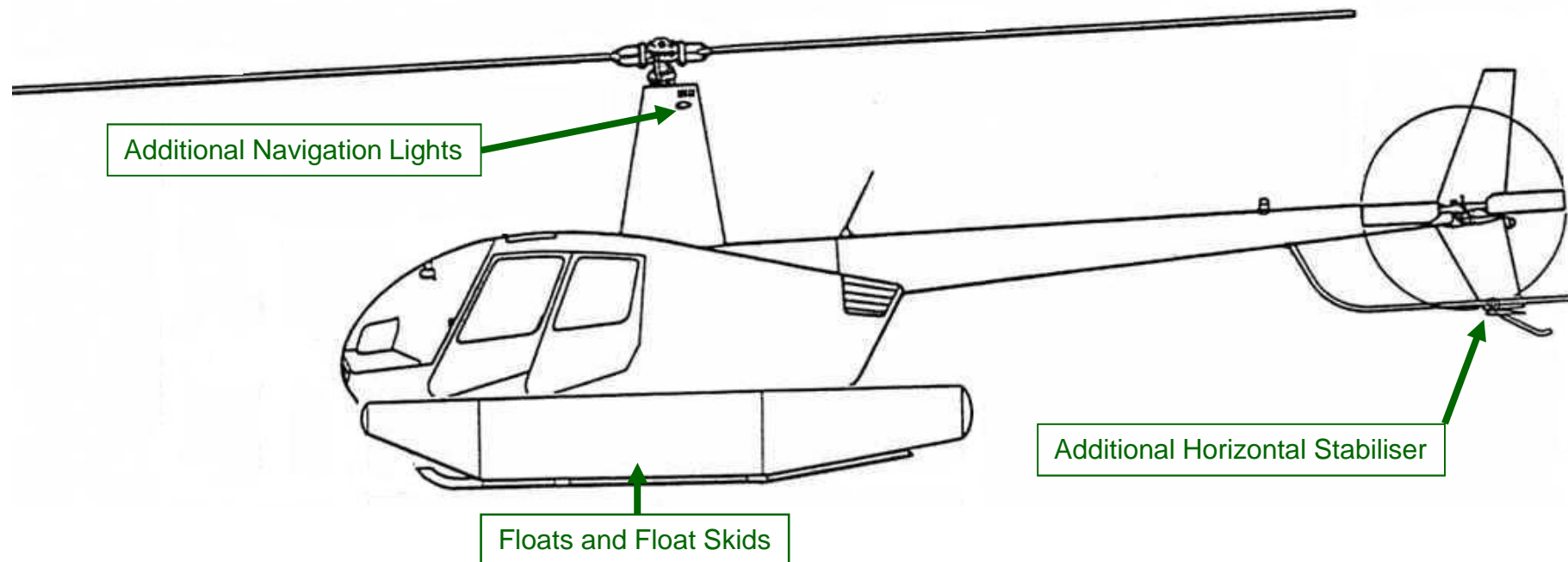
## Exercise 1a Familiarisation with the helicopter

There are several differences from the R44 Raven and Clipper:

- Corrosion Protection - During manufacture an additional layer of corrosion paint is added to the Clipper II
- Floats and Float Skids - Inflated floats sit above the Skids. The float skids have a longer aft section than the standard Raven II skids
- Horizontal Stabiliser - An additional Horizontal stabiliser is attached on the tail fin
- Extra Nav. Lights - Located on the Main Rotor mast to increase visibility (Fixed Floats Only)

R44 Clipper with Pop Out Floats also has:

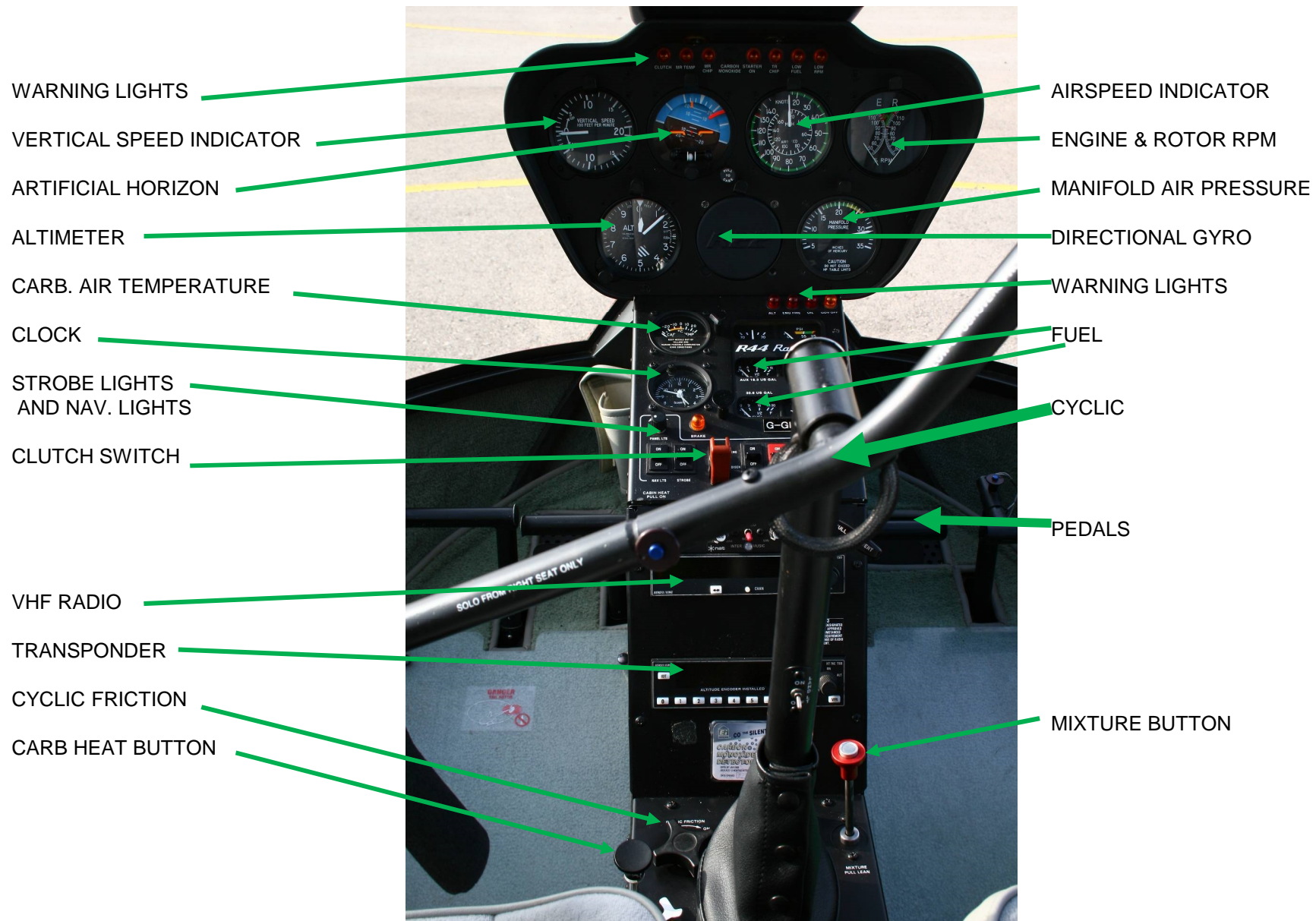
- Helium Gas Bottle - Located under the Front Left Seat
- Arming Lever - Located under the Pilot's (Right) Collective



# Exercise 1a Familiarisation with the helicopter

## Helicopter Familiarisation

You will be shown the internal helicopter features during the pre-flight inspection



## Exercise 1a Familiarisation with the helicopter

### Helicopter Familiarisation

You will be shown the internal helicopter features during the pre-flight inspection



#### Why use a checklist?

*A checklist is a type of information aid used to assist reducing missing items of importance by compensating for the fallibility of the human memory and attention. It helps to ensure consistency and completeness in carrying out a task.*

Checklists are used for:

- Aircraft Pre-flight
- Aircraft Start Up
- Aircraft Shut Down
- Certain in-flight emergencies

**ROBINSON  
MODEL R44**

**SECTION 4  
NORMAL PROCEDURES**

#### SECTION 4

#### NORMAL PROCEDURES

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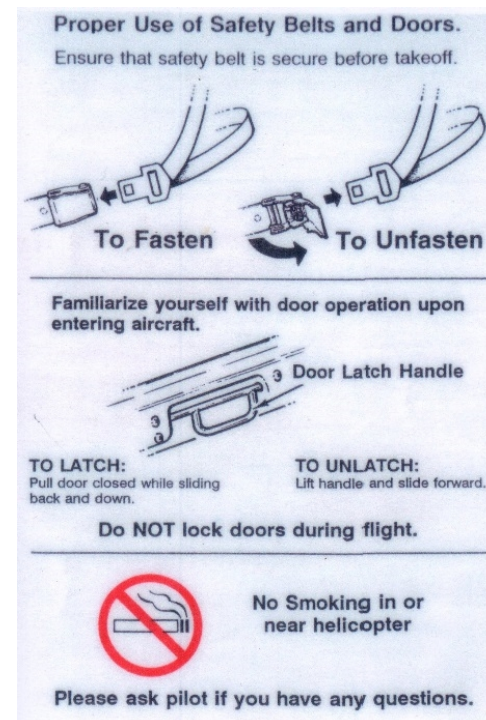
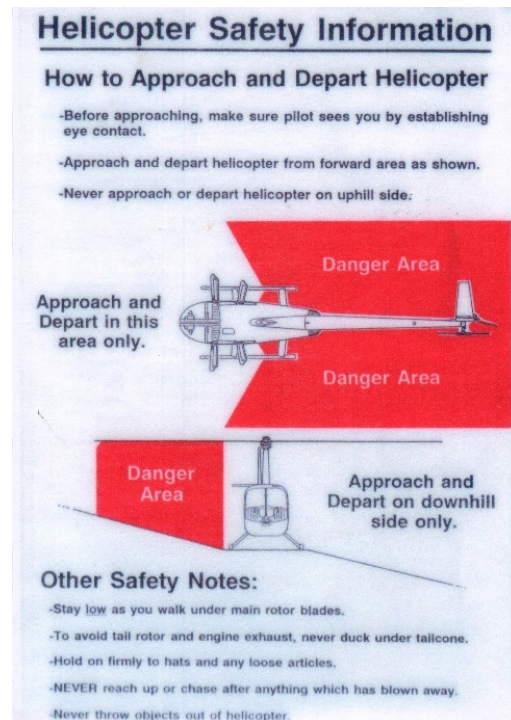
## Exercise 1b Emergency Procedures

### Helicopter Familiarisation

You will be shown the internal helicopter features during the pre-flight inspection

### Passenger Briefing

- DOORS How to open and close the doors
- SEAT BELTS How to wear, adjust and remove the seat belts
- MOBILE PHONES Should be OFF for the duration of the flight
- HEADSETS Use, microphone technique
- ROTORS RUNNING Move Forward, Head Down – Never towards the tail or uphill.
- BRACE POSITION Brace Position to adopt in Emergency
- LIFEJACKETS (if worn) Over water - How to wear, only inflate out of the aircraft
- OXYGEN (if worn) Above 10,000ft – How to wear, effects of Hypoxia
- FIRE EXTINGUISHER Location, how to use
- FIRST AID KIT Location, contents





## **Exercise 1b Emergency Procedures**

### Helicopter Familiarisation

### Emergency Procedures

In the event of Emergency – remain calm.

All Emergency Procedures can be found in Section 3 of the Pilots Operating Handbook

### **During the pre-flight inspection your instructor will demonstrate:**

- Seat Belts
- Enter and Exit Doors
- Emergency Equipment and Escape Drills

Your instructor, who is Pilot in Command may elect to take control if there is a Emergency, they will perform:

### **Engine Fire in flight**

- Enter Autorotation
- Master Battery OFF
- Cabin Heat OFF
- Cabin Vent ON
- Fuel Shut Off Valve OFF
- Autorotative Landing

### **Fire on Ground, during Engine Start**

- Cranking – continue start
- Run at 60% - 70% for a time
- Shutdown
- Extinguish Fire
- Inspect for damage

### **Electrical Fire in Flight**

- Master Battery OFF
- Alt. Switch OFF
- Land Immediately
- Extinguish Fire