



Exercise 2 Preparation for and action after flight

Helicopter Familiarisation

Other Information

Pilots Operating Handbook

All helicopters have a Pilots Operating Handbook, it contains pertinent information for that particular helicopter including:

1. R44 General
2. R44 Limitations
3. Emergency Procedures
4. Normal Procedures
5. Performance
6. Weight & Balance
7. Systems Descriptions
8. Handling & Maintenance
9. Supplements
10. Safety Tips & Notices

Helicopter “Techlog”

All helicopters have a “Techlog”, it contains pertinent information for that particular helicopter including:

- Maintenance Statement, any previous and upcoming service requirements, with validity date
- Certificate of Airworthiness & ARC, with validity date
- Certificate of Registration
- Aircraft Radio Licence, with validity date
- Insurance Documentation, with validity date
- Noise Certificate
- Weight & Balance
- Technical Log Sheets, you will be shown how to complete these by your instructor

This is not an exhaustive list, but all the above must be checked in the Techlog before flight



Exercise 2 Preparation for and action after flight

Helicopter Familiarisation

Other Information

Flight Acceptance Procedures - Before & After flight

Depending on training organisation and local procedures there will be requirements to comply with before flight can take place. These may include:

- Notification to ATC, or “booking out”
- Completing training organisation paperwork
- Filing flight plan

There will also be local procedures to complete once returning from the flight.

Equipment Required

Depending on the exercise each flight may also require additional equipment on board, which may also include:

- Maps & Charts
- Headsets
- Foggles

Seatbelt Operation





Exercise 2 Preparation for and action after flight

Helicopter Familiarisation

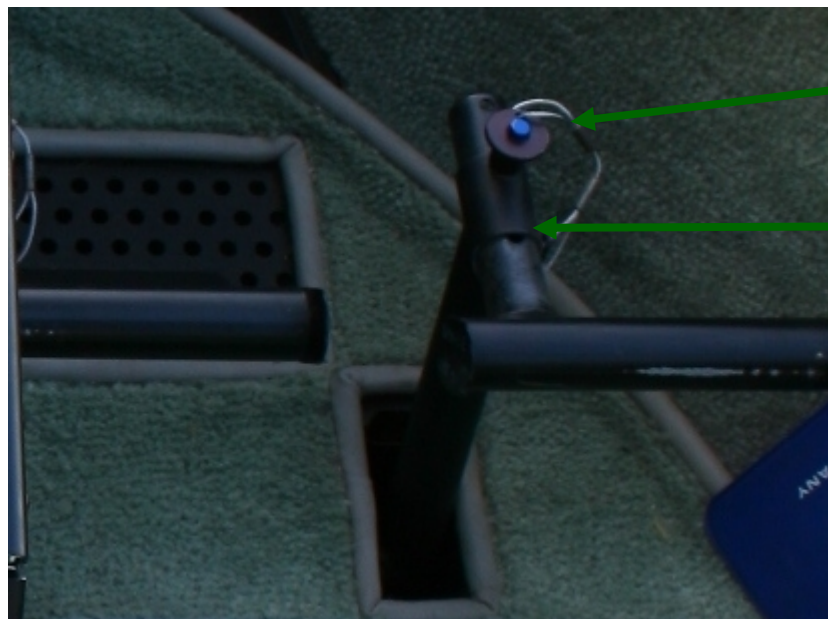
Other Information

Tail Rotor Pedal Adjustment

Pedals should be adjusted so that your feet rest on them and you still have full travel in both forward and backwards movement. BOTH pedals should be secured in the same position.

R44 POH:

On later aircraft, right-side tail rotor pedals are adjustable. To adjust, remove quick-release pin on each pedal by depressing button and pulling. Slide pedal fore or aft to most comfortable of three adjustment positions and reinstall quick-release pin. Verify pins are secure before flight.



QUICK RELEASE PIN

ADJUST – HOLES, 3 POSITIONS



Exercise 2 Preparation for and action after flight

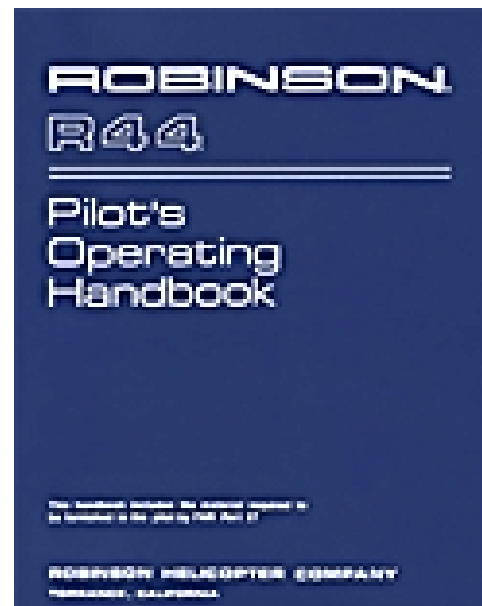
Helicopter Familiarisation

Other Information

Checklists:

There are several checklists that must be used when flying the R44. They are found in R44 POH, Section 4, Normal Procedures:

- **Daily or Pre-flight Checks (External & Internal)**
Also note wind direction & velocity, and FOD or obstacles or dangers when starting rotors.
Including the location of external fire fighting equipment.
Any local procedures applicable to the location.
- **Before Starting Engine (Internal)**
- **Starting Engine and Run Up, including Clutch engagement**
- **Shutdown Procedure**



Exercise 2 Preparation for and action after flight

CAA / EASA Test Standards – Document 19H



SECTION 1 – PRE/FLIGHT OR POST-FLIGHT CHECKS AND PROCEDURES

- (a) **Helicopter knowledge- i.e. tech log, fuel, mass and balance, performance flight planning, NOTAM and weather briefing.**
- *Check all documents required for a private, passenger carrying flight are correct*
 - *Obtain and assess all elements of the prevailing and forecast weather conditions*
 - *Collate all relevant ATC information, NOTAMS, Royal Flights, Nav aids, RT services*
 - *Complete an appropriate flight navigation log and chart*
 - *Determine that the helicopter is correctly fuelled for the flight*
 - *Complete a manual Mass & Balance schedule*
 - *Calculate helicopter Performance criteria and limitations applicable to the forecast weather conditions and make adjustments if required for actual conditions before take off*
- (b) **Pre-flight inspection or action, location of parts and purpose**
- *Check helicopter serviceability record and technical log*
 - *Using an approved checklist perform all elements of the helicopter pre-flight inspections, identifying components and functions as required by the examiner*
 - *Confirm that the helicopter is in a serviceable and safe condition for flight*
 - *Check and complete all necessary documentation*
 - *Complete an appropriate passenger emergency procedure briefing for the Examiner*
- (c) **Cockpit inspection and Starting procedures**
- *Complete all recommended cockpit inspection, engine/rotor starting and after starting procedures using an approved checklist*

Preparation for and action after flight – Common Errors



- Not setting tail rotor pedal position correctly
- Not checking the aircraft documentation before flight