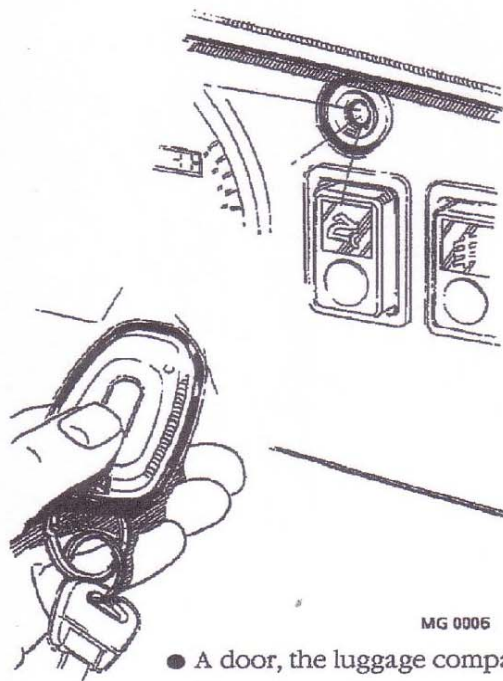


### ANTI-THEFT ALARM

Before attempting to arm the alarm, ensure that the doors, luggage compartment and bonnet are properly closed and locked.



#### **Arming the Alarm:**

To arm the alarm, press the handset button once

- the hazard warning lights flash 3 times.
- the alarm indicator light flashes rapidly for approximately five seconds.

After five seconds the indicator light adjusts to a slower frequency and continues flashing once every second (as a visible theft deterrent) until the alarm is disarmed.

Once the alarm is armed, the horn will sound if any of the following occur:

- A door, the luggage compartment or bonnet is opened.
- The volumetric space protection sensor is activated.
- The vehicle immobilisation system is activated.

#### **Vehicle immobilisation:**

The alarm system features vehicle immobilisation, this prevents the vehicle being started and the luggage compartment release switch operating.

The horn will sound if the starter switch is operated.

#### **Volumetric space protection:**

A feature of the alarm system is a hidden volumetric sensor, which monitors interior space in the vehicle and automatically activates the alarm if an intrusion is detected.

Volumetric space protection is activated automatically whenever the alarm system is armed. However, if necessary, it can be inhibited without affecting the remainder of the alarm system by using the following procedure:

Pages 10 to 13 of the RV8 Driver's Handbook AKM 7144 ENG.

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### ANTI-THEFT ALARM

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1. Open the driver's door.
2. Press the handset button to arm the alarm in the normal way,  
- the alarm indicator light illuminates continuously.
3. Shut and lock the driver's door. The hazard lights flash three times and the alarm indicator light flashes rapidly for five seconds before reverting to a single pulse every second.

**IMPORTANT:** *To prevent false alarms, it is ESSENTIAL that the volumetric space protection is inhibited if the car is to be left with people or animals inside.*

#### **Disarming the Alarm:**

To disarm the alarm, press the handset button once

- the hazard warning lights flash once.
- the alarm indicator light stops flashing.

#### **IMPORTANT:**

- The alarm can ONLY be armed and disarmed using the handset - if the doors are locked using the key the alarm will NOT be armed!
- With the alarm armed, any attempt to open a door will activate the alarm!

#### **Partial Failure to Arm the Alarm:**

If a door, luggage compartment or bonnet is left open, the alarm will not fully arm. This will be indicated by the hazard warning lights failing to flash and the alarm indicator light not illuminating for the first 5 seconds after pressing the handset button. **The car should not be left in this condition!**

Close the open door, bonnet or luggage compartment, and the alarm will automatically re-arm itself (the hazard warning lights will flash 3 times and the alarm indicator light flashes rapidly to confirm that the alarm is fully armed).



### ANTI-THEFT ALARM

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**WARNING:** *In the interests of security, ALWAYS arm the alarm whenever you leave the car - even for a short while - and NEVER leave the car with windows or hood open even if the alarm is armed!*

*In event of the car having to be left with the roof down, park it away from overhanging branches etc. as the volumetric alarm may be activated if the volumetric sensor detects movement above the vehicle.*

#### Using the Handset

The handset transmits a coded radio signal, which changes every time the button is pressed. However, if the button is operated when the handset is out of range of the car, and the signal therefore fails to arm or disarm the alarm, the sequence of signals will be lost. It is then necessary to restore synchronisation of the sequence by moving closer to the car and pressing the button rapidly 3 times in one second.

Should the handset be accidentally soaked in water, it must be dried out as soon as possible. To do this, open the case and discard the batteries, then allow the handset to dry thoroughly before fitting new batteries and reassembling the case.

**NOTE:** *An additional or replacement handset is available from a Rover dealer.*



### ANTI-THEFT ALARM

#### Handset Batteries

Battery life will vary according to use. As an approximate guide, new batteries should last for a year in normal use.

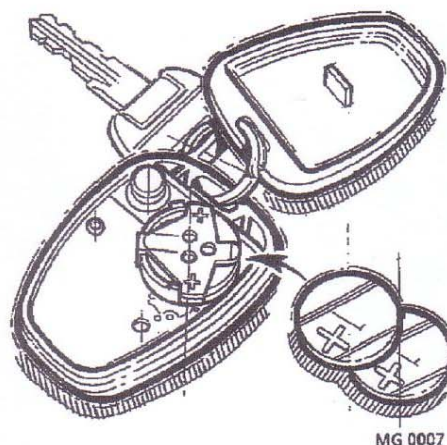
The following conditions indicate that the batteries need to be replaced:

- The LED light on the handset flashes rapidly when the button is pressed.
- The hazard warning lights illuminate continuously for approximately three seconds (instead of flashing 3 times) when the alarm is armed.

Always fit **Unipart YWK 10004** batteries (available from a Rover dealer), and adopt the following replacement procedure:

1. Prise the handset apart (from the rear of the unit) using a small, flat bladed, screwdriver.
2. Push the side of the batteries (in the direction of the arrow in the illustration) to remove them from the retaining clip.
3. With the batteries removed, press and hold the button for at least 5 seconds. This will enable the handset circuits to be reset.
4. Fit the new batteries with the positive ('+') side uppermost (as shown in illustration).

**NOTE:** *Finger marks will adversely affect battery life - avoid touching the flat surfaces and wipe clean before fitting.*



## Reprogramming an RV8 alarm fob to the ECU

### RV8 Workshop Note 260

#### Reprogramming an RV8 alarm fob to the ECU

Jeff Swann (Woodcote Green 0519) from Leicestershire describes the do-it-yourself method for programming the RV8 alarm fob to the car's ECU.

Many RV8s returning from Japan to the UK (including mine) are missing the elusive remote alarm fobs without which the multifunction car alarm and engine Immobiliser will not work unless a new fob is sourced and programmed to the vehicle's ECU.

It is debatable in fact whether RV8's exported to Japan were ever issued alarm fobs in the first place as it seems that the vehicle's alarm system may have contravened Japanese noise pollution laws and as such was 'outlawed'. In cases where the car is without an alarm fob, it was necessary to take the vehicle to a specialist equipped with the Rover Testbook equipment to have a new one programmed to the car. However, after conducting extensive research into the operation of the RV8 alarm system it became apparent that owners can perform this simple task themselves.

This sequence for programming the alarm fob is as follows and **MUST** be carried out within eight seconds.

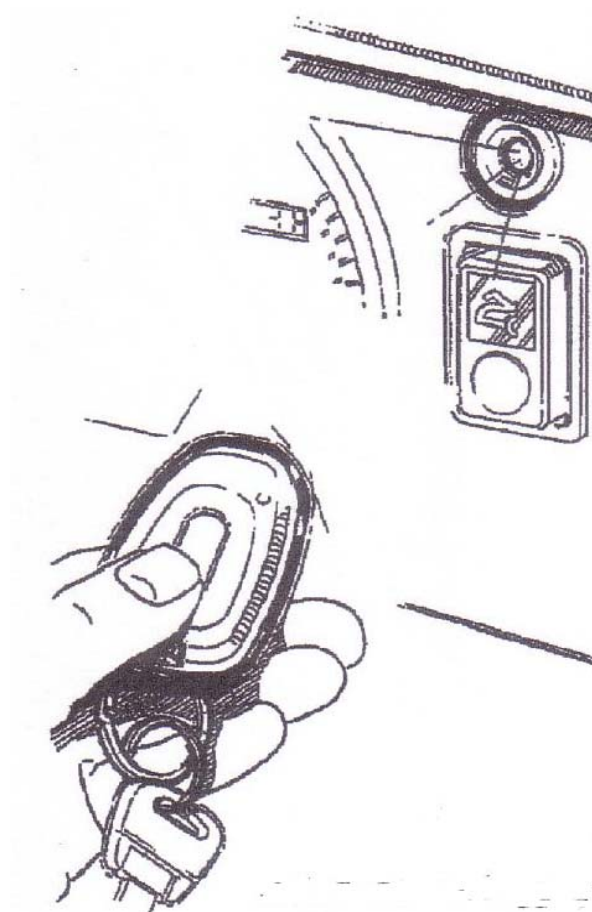
1.	Switch ignition on
2.	Switch ignition off
3.	Open boot with key and leave open
4.	Switch ignition on
5.	Switch ignition off

If the sequence is followed correctly and within the time limit, the horn will sound briefly and the red LED on the upper right of the dashboard will light and remain on for about 20-30 seconds indicating that the alarm ECU is in 'LEARN' mode. It is now possible to programme a maximum of two key fobs whilst the light is on.

Continuing:

6.	Press and hold down the button on the first key fob until the red LED on the dash flashes
7.	Repeat instruction 6 for the second key fob if required.
8.	The red LED will extinguish if both key fobs have been installed correctly.

NOTE: If only one fob is programmed, after instruction 8 turn the ignition on and off to finalise programming.



Obviously it is better to have two keys and a helper to open the boot whilst the other person operates the ignition, but it is possible for one person to do it alone.

It is strongly recommended that owners keep a spare set of fob batteries in the vehicle glove box.

Both perimetric and volumetric alarms now function perfectly as does the immobiliser, but it is important to remember that for the volumetric side of the alarm to function correctly there must be no movement or displacement of air inside the car for 15 seconds after arming the alarm. Additionally, all Rover alarm/immobilisers use a 'rolling code' system which means that if the remote button is pressed whilst you are away from the car, the vehicle will lose its code and the fob will not function. If this happens, press the remote fob three times next to the vehicle and on the third press the fob will re-synchronise and operate normally. This also applies if you change the battery in the fob.

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