

# A.D.S

## AUTOMOTIVE DIAGNOSTIC SERVICES

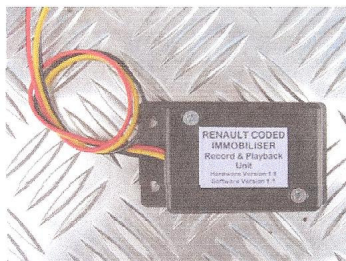
### Renault Immobiliser Record & Playback Module: Fitting Instructions ( v1.0 )

*Applicable to:*    *Espace*        *to 1997*  
                         *Clio*            *to 1999*  
                         *Laguna*        *to 2001*

This unit can be used to 'emulate' the coded signal sent from the immobiliser control unit to the Engine ECU, giving you a vehicle which is ready to start, even when using a steel key.

The Record and Playback Module ( shown below ) has been tested with, and is compatible with, the following immobiliser unit part numbers.

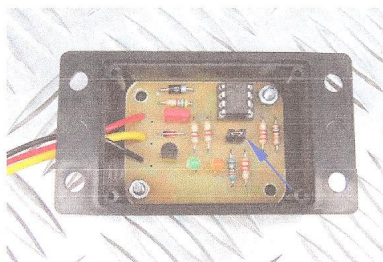
77 00 843 416  
77 00 843 415 \*  
77 01 044 538  
77 00 845 405  
77 00 421 261 \*  
77 00 416 293  
77 00 845 406  
77 00 844 811 \*  
77 00 823 112 \*



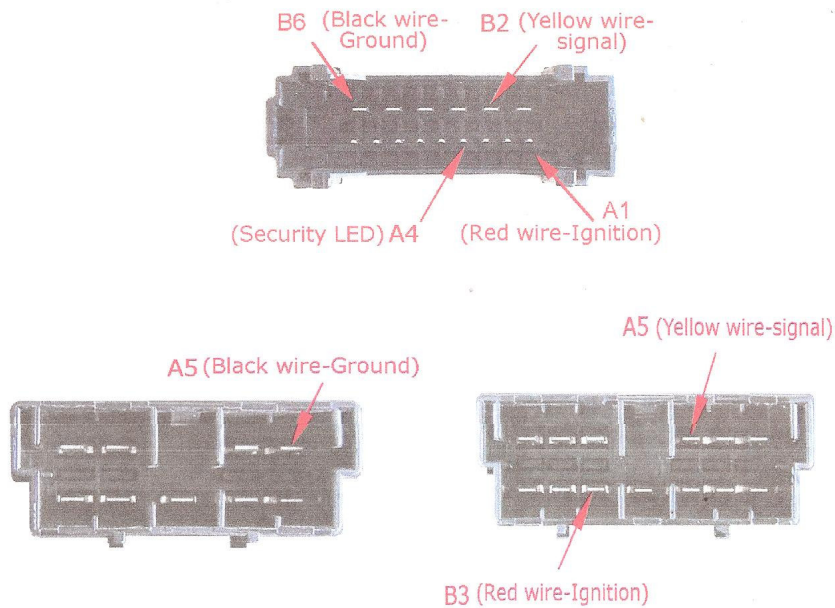
If you can disarm the original immobiliser once, either by entering the over-ride pin, or by substituting components (e.g. a working infra red receiver), it's possible to program the Record and Playback Module without any other specialist tools.

Note: The part numbers above which have an asterisk (\*) will not accept a PIN code, but you may be able to disarm it by the Infrared keyfob.

**Step 1- Installation:** Ensure Ignition is OFF. The module comes fitted with a shorting link, as shown on the picture below. Ensure this is in place for 'recording' mode.



To install the Record and Playback module on the vehicle, use the connections shown below: ( Note: For Software version 1.1, prepare the connections to the Yellow wire but do not connect until the PIN has been entered. )



**Step 2 - Recording:** Once the module is wired to the vehicle, turn Ignition ON and the Yellow LED on the module will come ON. This signifies that the module is ready to start recording. De-activate the immobiliser by PIN entry or other method and the module will learn the code sent by the immobiliser. For Software version 1.1, connect the yellow wire at this point in time.

When it has learnt the code, the Green LED will come ON and the Yellow LED will go out.

**Step 3 - Playback:** Turn Ignition OFF. Remove the shorting link from the module ( do not throw away in case you want to re-use the module ). Disconnect the Security LED wire from the immobiliser ( pin A4, no LED on other ECU type ). Disconnect the signal wire to the immobiliser ( pin B2 or pin A5 ), so that it doesn't interfere with the module. The vehicle should now be ready to start.

Turn Ignition ON. Check that the Playback module has both LED's flashing alternatively. This indicates that it is in 'playback' mode. Turn the key to the start position. The vehicle should start. If this is so, the lid can be screwed on the module and it can be stowed away somewhere secure.

A.D.S is not to be held responsible for the incorrect installation of any of these products or for damages of any type seen after the installation.

These types of products are to be fitted by qualified persons only