General info on Immoboliser emulator module

Applicable to: **All Renault models, fitted with single-data-wire coded immobilisers. I.E. from 1994 approx. until the introduction of CAN (2001 to 2003, depending on exact model).**

General

- **Immo pin code is not required**

- **Decode the ecu using the renualt ecu decoder.**

- **Only 3 wires to connect: Ignition, Ground and Data.**

- **Small module size**

- **Module is designed to be left permanently connected to the car.**

- **Non-volatile memory means no data loss, even after flat batteries or jump starts**

- **Module can be used again if need be.**

As the name suggests, the Emulator Module is capable of
emulating an immobiliser data stream to the ecu. It can do this every time ignition
is turned on, meaning that you have a car which simply starts, even just using a steel
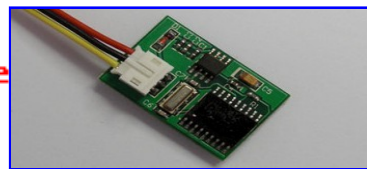(non electronic) key.

Note that once the module is fitted to a car, the original equipment immobiliser is effectively disabled.
You need to make your customer aware of this, so that they can arrange to fit an alternative device
as required.

Petrol ECU's

SIEMENS **FENIX3B**
SIEMENS **FENIX5**
SIEMENS **SIRIUS32**
SAGEM **SAFIR** (55pin)
SAGEM **SAFIR2** (35pin)
BOSCH **MOTRONIC MP7.0**
MAGNETI MARELLI **IAW 06R**
MAGNETI MARELLI **IAW 8R.30**

Diesel ECU's

BOSCH **MSA15.5** (DTI)
BOSCH **EDC15C3** (DCI)
LUCAS **DCU3R** (1.9D)
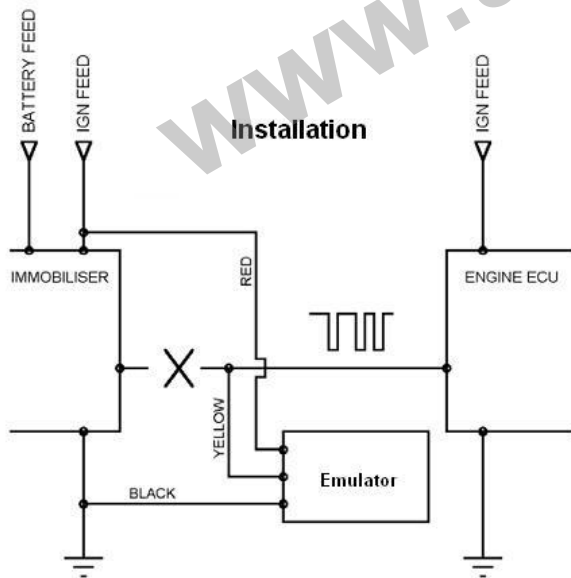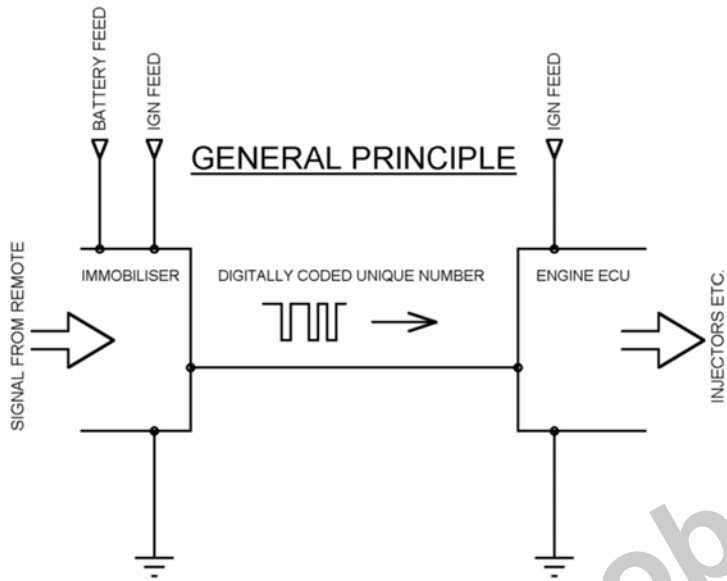Coded fuel cut-off valve (1.9D DDS)

Technical:

GENERAL PRINCIPLE

SIGNAL FROM REMOTE → IMMOBILISER — DIGITALLY CODED UNIQUE NUMBER ⊓⊔⊓ → ENGINE ECU → INJECTORS ETC.

BATTERY FEED / IGN FEED / IGN FEED

All Renault immobilisers of this type share the same features:

The engine ECU won't run the engine until it receives a coded message (a 'unique' number) from the immobiliser. The 'unique' part means that every immobiliser is different, and so swapping immobilisers won't help get a car running.
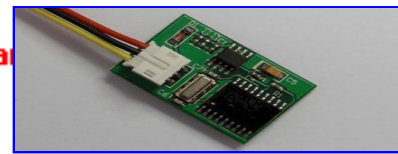
There is no starter motor cut on Renault models.

The immobiliser may be a stand alone unit, or it may be built in to a larger control unit.

Installation

BATTERY FEED / IGN FEED / IGN FEED

IMMOBILISER — RED — ⊓⊔⊓ — ENGINE ECU

X

YELLOW

BLACK — Emulator

Once the ecu has been decoded, the emulator should be fitted as shown, this can be done direct to the ecu or along the immoboliser wiring loom.

After connecting the emulator cut the immobiliser line from the immobiliser unit as shown.

Fitting Process:

1. Ensure that the ecu has been decoded. This can be done with the renault ecu decoder
2. Connect the module to the car's wiring harness: Red wire to ignition feed, black wire to earth, and yellow wire to the data wire
3. Cut the wire to the immobiliser, so that the module is connected directly to the engine ECU, and the immobiliser is out of the circuit.
4. Turn ignition back on, the car should now start.

How to connect?

System	+12V (IGN)	Immo line	Ground
Siemens SIRIUS 32	29	58	28
Siemens FENIX5	24	37 for 1.4l and 1.6l; 35 for the rest	2
Bosch EDC15C3	Con.B-pin M2	Con.A-pin G2	Con.B-pin L3
Bosch MSA15.5	23	59	1
Lucas DCU3R	77	20	78

EDC15C3 connectors: Small – A, middle – B, C (same size as B)

These are general fitting instructions. Specific instructions for a number of vehicles, which include immobiliser pin-outs, are also available from us on request.