

# RENAULT



UNLOCKING  
TECHNOLOGY



**ADVANCED  
DIAGNOSTICS**

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# APPLICATIONS

# A

## RENAULT (ADS104)




**RENAULT**

				1234		PRO 		AD100 
CLIO I	ALL	x	✓	✓	x	ADC151	A	ADC110-B
CLIO II	2002 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
ESPACE	2002 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
KANGOO I	ALL	x	✓	✓	x	ADC151	A	ADC110-B
KANGOO II	2002 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
MASTER I	ALL	x	✓	✓	x	ADC151	A	ADC110-B
MASTER II	2003 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
LAGUNA I	ALL	x	✓	✓	x	ADC151	A	ADC110-B
LAGUNA II	2002 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
MEGANE	1999 ⇨	x	✓	✓	x	ADC151	A	ADC110-B
MEGANE II	ALL	✓	✓	✓	x	ADC151	A	ADC110-B
SCENIC	ALL	✓	✓	✓	x	ADC151	A	ADC110-B
SCENIC II	1999 ⇨	x	✓	✓	x	ADC151	A	ADC110-B
MODUS	ALL	✓	✓	✓	x	ADC151	A	ADC110-B
TRAFFIC II	2002 ⇨	✓	✓	✓	x	ADC151	A	ADC110-B
VEL SATIS	ALL	✓	✓	✓	x	ADC151	A	ADC110-B

[WWW.ADUSA.US](http://WWW.ADUSA.US)

**RENAULT PIN CODE READ (ADS161) \***

RENAULT

	
CLIO II PHASE 2	2002—06
ESPACE IV PHASE 1	2003—06
ESPACE IV PHASE 2	2006 ⇨
KANGOO PHASE 2	2003 ⇨
LAGUNA II PHASE 1	2002—05
LAGUNA II PHASE 2	2005—07
MASTER PHASE 2	2003 ⇨
MEGANE II	2003—06
MEGANE II PHASE 2	2006 ⇨
SCENIC II	2003—06
TRAFIC PHASE 2	2001 ⇨
VELSATIS PHASE 1	2002—06
VELSATIS PHASE 2	2006 ⇨09
NISSAN INTERSTAR	2006 ⇨
NISSAN PRIMASTAR	2001 ⇨
GM/OPEL VIVARO	2001 ⇨
GM/OPEL MOVANO	2006 ⇨

\* AD100 PRO ONLY











# APPLICATIONS

# A

## RENAULT 2011 (ADS180) \*


**RENAULT**

				1234		PRO 		AD100 
CLIO III	2005 ⇨	✓	✓	✓	✓	ADC151	A	*
LAGUNA III (PHASE 1)	2007 ⇨ 2010	✓	✓	✓	✓	ADC151	A	*
MODUS (NON PROXIMITY)	2004 ⇨	✓	✓	✓	✓	ADC151	A	*

[WWW.ADUSA.US](http://WWW.ADUSA.US)
[WWW.ADVANCED-DIAGNOSTICS.CO.UK](http://WWW.ADVANCED-DIAGNOSTICS.CO.UK)
[WWW.ADUSA.US](http://WWW.ADUSA.US)

\* AD100 PRO ONLY

# DIAGNOSTIC SOCKETS/PORTS

# B

## RENAULT



CLIO



CLIO2



ESPACE



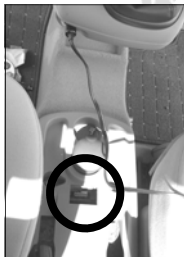
LAGUNA2



MEGANE



LAGUNA3



MEGANE II



MEGANE SCENIC



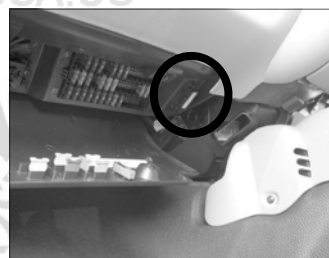
ESPACE 2003 >



MODUS



VELSATIS



KANGOO

# DIAGNOSTIC SOCKETS/PORTS

# B

## RENAULT



KOLEOS



LAGUNA 3



MEGANE 3



SCENIC 3



CLIO 3



TRAFIC 2



SYMBOL

WWW.ADUSA.US

# GENERAL OPERATION

The Renault Immobiliser system uses either Infra Red or Radio Frequency for Plip key operation and transponder key technology for key entry and starting. The Infra Red and RF systems use a rolling code system to ensure the vehicle system cannot be breached.

Activation of the Immobiliser system is indicated by the LED indicator in the Instrument cluster. If there is a fault in the system, an emergency access code can be used to disable the system using the central door locking button or key and the LED to enter the code.

On petrol vehicles the immobiliser is carried out by the Fuel Injection system and on Diesel systems it is carried out by the coded solenoid valve.

The immobiliser system automatically sets itself after 10 minutes if both doors are closed, this can be 30 minutes in other countries. If the ignition is switched OFF and one of the front doors is opened, then the immobiliser sets itself after 1 minute, in other countries it can be 10 minutes.

To disarm the system the doors must be locked and unlocked using the plip key functions. Only 2 plips can be operated on this system.

The immobiliser key system operates independently of the Plip system. When the key is turned to the Ignition OFF position the immobiliser activates after 10 seconds. This system used 2 special matched keys with coded transponders.

The system comprises of Receiver aerial around the ignition lock, a decoder unit located under the dashboard, which sends the decoding signal to the Fuel Injection computer or coded solenoid valve, and the RED warning light.

Key programming and Plip programming can be performed using the TESTER if the relevant security code for the vehicle is available. The security code is normally displayed in the front of the service book, if not, it can be obtained from either the Advanced Diagnostics website (for certain vehicles) or the Renault dealer.

## Decoder Unit (BI1)

This system is similar to many other immobiliser systems as it uses a transponder within the head of the key to send its code to the immobiliser when interrogated via the immobiliser ignition key barrel antenna. The code from the key is transferred to the Decoder Unit which has the following functions:

- Decoding the key transponder signal, via the antenna coil
- Management of the engine immobiliser system by sending the received code to either the EMS-ECM (Petrol engine) or the Coded Solenoid Valve (Fuel Cut-off valve for diesel engines) to authorize the vehicle to be started
- Control of the immobiliser LED
- Central door locking functions (if fitted)
- Courtesy light control (part of central locking if fitted)

## Multi Timer Unit (BMT)

The Multi Timer Unit has the same immobiliser function as the Decoder Unit above using an ignition key with a transponder and an ignition key barrel antenna. The Multi Timer Unit has the following functions (amongst others):

- Decoding the key transponder signal, via the antenna coil
- Management of the engine immobiliser system by sending the received code to either the EMS-ECM (Petrol engine) or the Coded Solenoid Valve (Fuel Cut-off valve for diesel engines) to authorize the vehicle to be started
- Control of the immobiliser LED
- Central door locking functions (if fitted)
- Courtesy light control (part of central locking if fitted)

## Type 'I' Key Recognition Optional IR Rolling Code - Petrol/Diesel

This system can be used with or without an Infrared Remote Control, which would require a separate control unit.

## Type 'J' Coded Card instead of Key

This system is an immobiliser only, a separate system must be used to operate the central locking, however, a Coded Card may contain a remote control transmitter for gaining entry to the vehicle.



# GENERAL OPERATION

## Coded Card

The coded card system was introduced for the latest Laguna models and eliminates the use of 'ignition keys' and, optionally, 'door locking keys'. Instead of a key the driver has a coded card that, optionally, unlocks the door and after insertion into a card reader, sets self-retaining relays to supply the various systems/circuit in the vehicle (equivalent to the ignition switch), deactivates the immobiliser to allow the vehicle to be started and unlocks the electric steering lock. The code is a random rolling code to reduce the chances of simulation.

The engine is started via an engine start/stop push switch, which when pushed will energize the starter. If pressed again the switch will stop the engine and removing the card will break the retaining circuit to the main relay and the vehicle will shut down all systems and circuits except any required to remain on, e.g. lighting circuits, hazard lights etc. The following are the immobiliser functions:

- Decodes the signal from the card via the card reader
- Sends a signal to the electric steering column lock
- Communicates with the EMS-ECM
- Controls the immobiliser LED and the card reader light
- Communicates with the immobiliser

This system uses a multiplexing system to send data to peripheral devices, namely the electric steering lock, diagnostic socket, EMS-ECM and the LED in the instrument pack.

## All Systems

Each system has a visual indication of the immobiliser status but whether or not it has a separate red LED to that of the EMS-ECM is dependent upon the system. If it shares an LED with the EMS-ECM this will flash regularly when the immobiliser is active and is also used to indicate acceptance of the security code numbers manually entered using the door locking button. In general the following functions are indicated by the LED:

- Activation of the immobiliser
- Non recognition of the Coded Card or Coded Keys
- System fault
- Fault with the EMS-ECM immobiliser function
- Fault with the Electric Steering Lock (Coded Card only)
- Signal of entry into door locking remote control resynchronization mode (Decoder/Multi Timer systems only)
- If a fault with the EMS-ECM immobiliser circuit occurs whilst the vehicle is in motion the immobiliser LED will flash during deceleration and when at idle speed.

# GENERAL OPERATION

# C

Model	Year	Immobiliser Type	Version
Kangoo	10/97	D	V2
	10/97	F	V2
	10/97	H	V2
Master (XD0)	10/97	D	V2
	10/97	F	V2
	10/97	H	V2
Clio I	07/94	A	V1
	04/95	C	V1
	04/95	D	V1 & V2
	12/95	F	V2
	12/96	E	V2
Clio II	03/98	H	V2
	06/01	J	V3
Safrane	01/93	A	V1
	05/93	B	V1
	02/95	C	V1
	10/95	E	V2
	09/96	G	V2
	01/97	H	V2
	02/94	A	V1
Laguna I	07/94	B	V1
	01/95	C	V1
	11/95	D	V1 & V2
	09/95	E	V2
	11/95	F	V2
	01/97	H	V2
Laguna II	01/00	J	V3
Express	04/95	C	V1
	01/96	E	V2
Megane	11/95	C	V1
	11/95	D	V2
	01/96	E	V2
	01/96	F	V2
Espace (J63)	09/98	I	V2
	04/95	C	V1
	09/95	E	V2
Espace (JE0)	09/96	G	V2
	01/97	H	V2
Trafic I	10/95	C	V1
	01/96	E	V2
Trafic II	06/01	J	V3
Twingo	01/95	C	V1
	01/95	D	V2
	12/99	H	V2
R19	05/93	A	V1
	03/95	C	V1
R21	01/92	A	V1

# GENERAL OPERATION

All systems have the same end function, immobilising the vehicle until the correct code is presented to the immobiliser unit.

## Type 'A' Infrared Remote Control Fixed Code - Petrol

This system uses a combined immobiliser and central door locking control unit with a remote infrared transmitter contained in the plastic keyhead. The transmitted code is fixed and when received by the control unit receiver it will generate a door open signal and simultaneously pass the code to the EMS-ECM. The EMS-ECM compares the received code against a stored code and if verified it will allow the engine to be started. This type is for petrol only vehicles and will allow up to seven keys to be used.

## Type 'B' Infrared Remote Control Fixed Code - Diesel

This system uses a combined immobiliser and central door locking control unit with a remote infrared transmitter contained in the plastic keyhead. The transmitted code is fixed and when received by the control unit receiver it will generate a door open signal and simultaneously pass the code to the Coded Solenoid Valve. The Coded Solenoid Valve compares the received code against a stored code and if verified it will allow the fuel to the engine. This type is for diesel only vehicles and will allow up to four keys to be used.

## Type 'C' Infrared Remote Control Rolling Code - Petrol

This system uses a combined immobiliser and central door locking control unit with a remote infrared transmitter contained in the plastic keyhead. The transmitted code is rolling to reduce the chances of the code being captured and used to enter the vehicle. The code when received by the control unit receiver will generate a door open signal and simultaneously pass the code to the EMS-ECM. The EMS-ECM compares the received code against a stored code and if verified it will allow the fuel to the engine. This type is for petrol only vehicles and will allow up to seven keys to be used.

## Type 'D' Key Recognition - No Infrared Remote - Petrol

This system uses key recognition only with no remote control of entry. A transponder in the keyhead reacts to a transmitted signal from a coil wrapped around the ignition key barrel. If the transponder code is the same as the stored code the EMS-ECM receives a signal to allow the engine to run. This type is for petrol only vehicles and will allow up to seven keys to be used.

## Type 'E' Infrared Remote Control Rolling Code - Diesel

This system uses a combined immobiliser and central door locking control unit with a remote infrared transmitter contained in the plastic keyhead. The transmitted code is rolling to reduce the chances of the code being captured and used to enter the vehicle. The code when received by the control unit receiver, will generate a door open signal and simultaneously pass the code to the Coded Solenoid Valve. The Coded Solenoid Valve compares the received code against a stored code and if verified it will allow the fuel to the engine. This type is for diesel only vehicles and will allow up to four or seven keys to be used dependent upon the type of shielding on the Coded Solenoid Valve.

## Type 'F' Key Recognition - No Infrared Remote - Diesel

Uses key recognition only with no remote control of entry. A transponder in the keyhead reacts to a transmitted signal from a coil wrapped around the ignition key barrel. If the transponder code is the same as the stored code the Coded Solenoid Valve receives a signal to allow the engine to run. This type is for diesel only vehicles and will allow up to four or seven keys to be used depending upon the type of shielding on the Coded Solenoid Valve.

## Type 'G' Key Recognition + IR Rolling Code - 2 ECMs - Petrol/Diesel

This system has both Infrared Remote Control and Key Recognition but have a separate control for each function. There is no interaction between the two controllers except that they share common 'K' & 'L' diagnostic lines to the DLC and the Electric Door Button has an input to both to allow the code to be entered manually. This systems appears in both petrol and diesel vehicles and up to seven keys can be used.

## Type 'H' Key Recognition + IR Rolling Code - 2 ECMs - Petrol/Diesel

Types 'H' and 'G' are similar in their functionality but Type 'H' has a single integrated control unit.

Note: Aerial is not coded.

# GENERAL OPERATION

## RENAULT—SYSTEM IDENTIFICATION



Laguna 2 Ph1



Laguna 2 Ph2

also notice the card reader is separate on a Ph 1:



Scenic II Phase 1



Megane 1 (MY 1995 > 2002)



Scenic II Phase 2



Megane 2 (Phase 1)  
(Cut off for Phase 1 is 2006)



Scenic Phase 1



Megane 2 (Phase 2)

**RENAULT—SYSTEM IDENTIFICATION**

Clio 2 Phase 1 (MY 1997 &gt; 2001)



Clio 2 Phase 2 (MY 2002 &gt; 2005)



Clio 3 (MY 2006 &gt;)





# SPECIAL FUNCTIONS

## RENAULT—4 DIGIT SYSTEMS

### PROGRAM REMOTES

#### VEHICLE SELECTION

- + LANCIA
- + MITSUBISHI**
- + NISSAN
- + PEUGEOT
- + RENAULT
- + SUBARU

### PROGRAM REMOTES

PROGRAM REMOTES  
 ONLY KEY IN IGN  
 WILL BE PROGRAMMED  
 CONTINUE

YES=ENTER      NO=BACK

### PROGRAM REMOTES

PROGRAM REMOTES  
 SWITCH IGN OFF

PRESS ENTER KEY

#### VEHICLE SELECTION

- CLIO I**
- CLIO II
- ESPACE
- KANGOO I
- LAGUNA II PH1
- LAGUNA II PH2

#### PROGRAM REMOTES

ACTIVATING FORCED  
 PROTECT  
 SWITCH IGN OFF

PRESS ENTER KEY

#### PROGRAM REMOTE

COMMS WILL BE  
 STOPPED. THEN  
 RESTARTED  
 THIS MAY TAKE UP  
 30 SECONDS  
 PRESS ENTER TO CONT.

#### SWITCH IGNITION ON

PRESS ENTER KEY

#### PROGRAM REMOTES

SWITCH IGN ON

PRESS ENTER KEY

#### PROGRAM REMOTE

SUCCESSFUL  
 LOCKS SHOULD CYCLE

PRESS ENTER KEY

#### ECU IDENTIFICATION

CLIO PLIPS

PRESS ENTER KEY

#### SECURITY CODE

----

#### DIAGNOSTIC MENU

- ECU IDENTIFICATION
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

#### SECURITY CODE

----

IS CODE CORRECT

OK=ENTER      CLEAR=BACK

#### DIAGNOSTIC MENU

- PROGRAM IMMOBILISER**

PRESS ENTER KEY

#### PROGRAM KEYS

PLEASE WAIT  
 STORING KEY 1

# SPECIAL FUNCTIONS

## RENAULT—8 DIGIT SYSTEMS

### PROGRAM KEYS

#### VEHICLE SELECTION

- + LANCIA
- + MITSUBISHI**
- + NISSAN
- + PEUGEOT
- + RENAULT
- + SUBARU

#### VEHICLE SELECTION

- MEGANE I
- MEGANE II
- MODUS NORMAL
- MODUS INTELLI
- TRAFIC II
- READ PINCODE

#### VEHICLE SELECTION

- IMMOBIL 1.
- IMMOBIL 2.

SWITCH IGNITION ON

PRESS ENTER KEY

#### ECU IDENTIFICATION

ECU NO : 8200029342

PRESS ENTER KEY

#### DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- LIVE DATA
- ACTUATOR
- SPECIAL FUNCTIONS**

### PROGRAM KEYS

#### DIAGNOSTIC MENU

#### PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION OFF  
AND THEN PRESS ENTER

#### SECURITY CODE

-----

#### SECURITY CODE

1 2 3 4 5 6 7 8

IS CODE CORRECT

OK=ENTER

CLEAR=BACK

#### PROGRAM KEYS

INSERT NEXT KEY  
SWITCH IGNITION ON  
AND THEN PRESS ENTER

SWITCH IGNITION OFF  
AND THEN PRESS ENTER

### PROGRAM KEYS

#### PROGRAM KEYS

BACK TO EXIT  
ENTER TO PROGRAM  
NEXT KEY

PLEASE WAIT

PROCEDURE COMPLETE

PRESS ENTER KEY

# SPECIAL FUNCTIONS

## RENAULT—12 DIGIT SYSTEMS

### PROGRAM KEYS

#### VEHICLE SELECTION

- + LANCIA
- + MITSUBISHI
- + NISSAN
- + PEUGEOT
- + RENAULT
- + SUBARU

#### VEHICLE SELECTION

- CLIO I
- CLIO II
- KANGOO I
- KANGOO II
- LAGUNA II PH 1
- LAGUNA II PH2

#### VEHICLE SELECTION

- IMMOBIL 1.
- IMMOBIL 2.

SWITCH IGNITION ON

PRESS ENTER KEY

#### ECU IDENTIFICATION

ECU NO : 8200029342  
VIN : 0123456789ABCDEF

PRESS ENTER KEY

#### DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- LIVE DATA
- ACTUATORS
- SPECIAL FUNCTIONS

### PROGRAM KEYS

#### DIAGNOSTIC MENU

PROGRAM KEYS

PRESS ENTER KEY

#### PROGRAM KEYS

SWITCH IGNITION OFF  
AND THEN PRESS ENTER

#### PINCODE SOURCE

1. DEALER CODE
2. ADVANCED DIAGNOSTICS

1	2	3	4	5
6	7	8	9	0

#### SECURITY CODE

A1 34 56 78 B2 F3

1	2	3	4	5
6	7	8	9	0

#### PROGRAM KEYS

SWITCH IGNITION ON  
AND THEN PRESS ENTER

#### PROGRAM KEYS

KEYS PROGRAMMED : 1  
BACK TO EXIT.  
ENTER TO PROGRAM  
NEXT KEY

### PROGRAM KEYS

PLEASE WAIT

03 SEC

#### PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

# SPECIAL FUNCTIONS

## RENAULT—12 DIGIT SYSTEMS

### READ PIN CODE

#### VEHICLE SELECTION

+ LANCIA  
**+ MITSUBISHI**  
 + NISSAN  
 + PEUGEOT  
 + RENAULT  
 + SUBARU

#### VEHICLE SELECTION

MEGANE I  
 MEGANE II  
 MODUS NORMAL  
 MODUS INTEL  
 TRAFIC II  
**READ PINCODE**

#### VEHICLE SELECTION

CLIO II PH 2  
 ESPACE IV PH1  
 ESPACE IV PH2  
 KANGOO PH2  
 LAGUNA II PH1  
 LAGUNA II PH2

SWITCH IGNITION ON

PRESS ENTER KEY

#### ECU IDENTIFICATION

ECU NO : 8200029342  
 VIN : 0123456789ABCDEF

PRESS ENTER KEY

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
**SPECIAL FUNCTIONS**

### READ PIN CODE

#### DIAGNOSTIC MENU

READ PINCODE

PRESS ENTER KEY

#### AD PINCODE

PLEASE WAIT

SEC.WAIT 60

NOTE : IT WILL TAKE 1  
 MINUTE TO READ THE PIN  
 CODE.

#### AD PINCODE

33 E1 A9 7D E1 C1

SWITCH AD100 PRO OFF

NOTE : THIS PIN CODE WILL  
 ONLY WORK ON THIS AD PRO  
 UNIT, AND CANNOT BE USED  
 WITH ANY OTHER TESTER OR  
 EQUIPMENT.

IT IS UNIQUE TO THIS  
 TESTER AND VEHICLE.

NOTE : ON SOME MODELS  
 THE SOFTWARE WILL  
 DISPLAY 2 OR 3 PIN CODES.

WRITE THEM ALL DOWN AND  
 TRY EACH ONE IN TURN,  
 ENSURING THE TESTER IS  
 DISCONNECTED BETWEEN  
 EACH TRY.

IMPORTANT NOTE : AFTER  
 READING THE PIN CODE.

DISCONNECT TESTER AND  
 PERFORM A HARD RESET  
 WITH BATTERY DISCONNECT  
 FOR 5 MINUTES BEFORE  
 PROGRAMMING KEYS.

ENSURE ALL KEYS ARE  
 OUTSIDE OF THE VEHICLE  
 UNTIL ASKED TO TURN  
 IGNITION ON.

# SPECIAL FUNCTIONS

## RENAULT—2011 PIN READ

### PIN CODE READING

#### VEHICLE SELECTION

+ PLYMOUTH  
+ PORSCHE  
+ PROTON  
+ PONTIAC  
**+ RENAULT**  
+ ROEWE

#### VEHICLE SELECTION

MODUS INTEL  
TRAFIC II  
+ TWINGO  
VELSATIS PH1  
VELSATIS PH2  
**+ READ PIN CODE**

#### VEHICLE SELECTION

CLIO II PH2  
CLIO II PH2 <SIEME  
**CLIO III**  
ESPACE IV PH1  
ESPACE IV PH2  
KANGOO PH2

#### DIAGNOSTIC MENU

HAZARDS ON/IGNITION OFF

**PRESS ENTER KEY**

#### ECU IDENTIFICATION

VIN: VF1BRCP0H39934165  
KEY #1: 6A 25 0C 34  
KEY #2: EMPTY  
KEY #3: EMPTY  
KEY #4: EMPTY

**PRESS ENTER KEY**

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
**>SPECIAL FUNCTIONS**

### PIN CODE READING

#### DIAGNOSTIC MENU

**>READ PIN CODE**

#### PIN CODE

EF 53 55 BD 78 D8

**PRESS ENTER KEY**

DISCONNECT TESTER  
FROM THE VEHICLE

NOTE : THIS PIN CODE WILL ONLY WORK ON THIS AD PRO UNIT, AND CANNOT BE USED WITH ANY OTHER TESTER OR EQUIPMENT.

IT IS UNIQUE TO THIS TESTER AND VEHICLE.

IMPORTANT NOTE : AFTER READING THE PIN CODE.

DISCONNECT TESTER AND PERFORM A HARD RESET WITH BATTERY DISCONNECT FOR 5 MINUTES BEFORE PROGRAMMING KEYS.

ENSURE ALL KEYS ARE OUTSIDE OF THE VEHICLE UNTIL ASKED TO TURN IGNITION ON.



# SPECIAL FUNCTIONS

## RENAULT— 2011 PROGRAM KEYS

### PROGRAM KEYS

#### VEHICLE SELECTION

- + PLYMOUTH
- + PORSCHE
- + PROTON
- + PONTIAC
- + RENAULT**
- + ROEWE

#### VEHICLOE SELECTION

- CLIO II PH2
- CLIO II PH2 <SIEME
- CLIO III**
- ESPACE IV PH1
- ESPACE IV PH2
- KANGOO PH2

#### VEHICLE SELECTION

- TYPE 1**
- TYPE 2

HAZARDS ON /IGNITION OFF

PRESS ENTER KEY

#### ECU IDENTIFICATION

VIN: VF1BRCP0H39934165  
 KEY #1: 6A 25 0C 34  
 KEY #2: EMPTY  
 KEY #3: EMPTY  
 KEY #4: EMPTY

PRESS ENTER KEY

#### DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- ACTUATOR
- >SPECIAL FUNCTIONS**

### PROGRAM KEYS

#### DIAGNOSTIC MENU

>PROGRAM KEYS

#### PROGRAM KEYS

KEYS NOT AVAILABLE  
 WILL BE DELETED  
 DO YOU WANT TO  
 CONTINUE

NO YES

SWITCH IGNITION OFF  
 REMOVE KEY

PRESS ENTER KEY

#### PINCODE SOURCE

- 1 DEALER CODE
2. ADVANCED  
 DIAGNOSTICS

#### SECURITY CODE

EF 53 55 BD 78 D8

NO YES

#### PROGRAM KEY

INSERT KEY  
 SWITCH IGNITION ON  
 MAX. 4 KEYS ALLOWED

PRESS ENTER KEY

### PROGRAM KEYS

#### PROGRAM KEY

DO YO WANT TO  
 PROGRAM MORE KEYS

NO YES

#### PROGRAM KEY

SWITCH IGNITION OFF  
 REMOVE KEY

PRESS ENNTER KEY

#### PROGRAM KEY

INSERT KEY  
 SWITCH IGNITION ON

PRESS ENTER KEY

#### PROGRAM KEY

START ENGINE TO  
 COMPLETE PROCEDURE

PRESS ENTER KEY

# TIPS & HINTS



1. If the remote doesn't work, check to make sure the LED works when the button is depressed and a signal is being sent. This can be tested with a remote signal tester or the camera on a mobile phone (look for infra red light glowing on the camera). If this is not ok, strip the remote and check the battery and soldered joints, particularly in the area of the transmitting diode.
2. The antenna ring around the ignition barrel does not need to be coded when replaced.
3. 1999 model. Non start (immobiliser light on all the time), no indicators or hazards- UCH/decoder module locked up and requires rebooting. Disconnect the battery and hold the two cables together for 10 seconds to dissipate any residual current in the control unit. Reconnect battery.
4. 4 Digit Pin Code Systems - After programming procedure :
  - Lock car with the key.
  - Wait for 1 minute
  - Press the remote control button a few times until the central locking operates.

Note: If it is an INFRA RED remote control please make sure you point it towards the receiver.
5. On the 8 digit system, if the car is cranked with a low battery, it will cause a problem with the immobiliser unit. Use the SWAP IMMO function in special functions to reset the system if this happens. The LED flash if this is the case.
6. If you get incorrect access code after reading the pin code on any of the Renault models, disconnect the tester from the vehicle. Disconnect the battery, and do a hard reset for 5 minutes. Reconnect battery and ensure all keys are outside of the vehicle. Connect tester and follow key programming procedure from the beginning.

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# REMOTE PROGRAMMING



## CLIO II, KANGOO & MASTER INFRA RED RESYNCHRONISING

1. Turn Ignition OFF.
2. Press the central door locking button for more than 5 seconds. Note : the door should lock then unlock.
3. When this happens, 10 seconds is allowed and the immobiliser warning light illuminates.
4. Point the 1st key at the receiver and press the button twice, the doors should lock and unlock. Repeat for other remotes as required.
5. Check the remote control unlocks and locks the doors.

## LAGUNA II & SAFRANE II INFRA RED RESYNCHRONISING

1. Turn Ignition OFF.
2. Press the central door locking button for more than 5 seconds. Note : the door should lock then unlock.
3. When this happens, 15 seconds is allowed and the immobiliser warning light illuminates.
4. Point the 1st key at the receiver and press the button once, the doors should lock and unlock.
5. Point the 2nd key at the receiver and press the button once, the doors should lock and unlock.
6. Check the remote control unlocks and locks the doors.

## CLIO II, KANGOO & MASTER RF RESYNCHRONISING

1. Turn Ignition OFF.
2. Press the central door locking button for more than 5 seconds. Note : the door should lock then unlock.
3. When this happens, 10 seconds is allowed and the immobiliser warning light illuminates.
4. Press the remote control once, the doors should lock and unlock.
5. Repeat for second remote if required.
6. Check the remote control unlocks and locks the doors.

## LAGUNA II & SAFRANE II RF RESYNCHRONISING

1. Turn Ignition OFF.
2. Press the central door locking button for more than 5 seconds. Note : the door should lock then unlock.
3. When this happens, 15 seconds is allowed and the immobiliser warning light illuminates.
4. Press the remote control once, the doors should lock and unlock.
5. Press the second remote control once, the doors should lock and unlock.
6. Check the remote control unlocks and locks the doors.

## CLIO RE-SYNCHRONISING

1. Lock Car manually
2. Unlock Car manually
3. Insert key into ignition within 30 seconds.
4. Turn Ignition and start vehicle.

## MEGANE RF RESYNCHRONISING

1. Hold the remote control button down for longer than 10 seconds (until the red tell-tale light on the key extinguishes) then press it again 3 times.
2. Check that the doors lock and unlock correctly.

## MEGANE WITH EARLY REMOTE (LED SWITCHES OFF WHEN HOLDING BUTTON DEPRESSED)

1. New key in ignition and switch on
2. Press and hold the central locking button on the dashboard until the red light on the dashboard goes off and comes back - then wait for the slow flashing (a second or two at most) at which point count the number of flashes relating to the first digit of the pin then release the button
3. Press and hold the central locking button again and repeat number 2 for the remaining 3 digits
4. If successful the red light on the dash goes solid red after entering the 4th digit.
5. Press central locking button once more, holding until the locks cycle open and close
6. Release and switch off ignition removing key and point it in close proximity to the infrared receiver in the roof lining
7. Press the remote button rapidly and continuously until the locks cycle and then repeat with the existing remote or it will be erased

## MEGANE RF RESYNCHRONISING

Hold the remote control button down for longer than 10 seconds (until the red tell-tale light on the key extinguishes) then press it again 3 times.

Check that the doors lock and unlock correctly.



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