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SPi Vehicle Application Guide
KEYS Pro SD24.0

KEYS vehicle applications Guide for the SPi

This guide provides you with vehicle coverage information and processes for your SPi KEYS Pro subscription.

For more guides visit the SP Diagnostics Support website www.spsupport.com and go to the Products – KeyScan – Documents section of the site.

Version 1.001

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Introduction to Key Programming

Keys

Many of today's vehicles have coded engine immobiliser systems, which are designed to immobilise the vehicle by disabling many of the vehicle's electrical circuits, including starter motor, ignition and fuel systems. The vehicle's immobiliser system is disarmed by the use of the vehicle's "coded key" which is programmed to the immobiliser system.

The vehicle's key's contains a (Transponder) code that must match the code in either the vehicles Immobiliser system or Engine Management System (EMS). Every time the vehicle is started, the immobiliser system checks to see if the code from the key is correct.

Until now the vehicle would need to be returned to the manufacturer's Main Dealer to have additional keys added to the vehicle.

Using the iKEYS application software you are now able to buy a replacement key and program it to successfully start the vehicle. The sequence for programming the key is very specific and must be carried out exactly as described on the iKEYS application software.

Some vehicles require a security code to be entered before you can successfully program an additional key, and these are usually supplied with the vehicle. If the security code has been misplaced or lost then you will be required to obtain the security code from the manufacturer.

For the Volkswagen Audi Group (VAG), the iKEYS software is able to automatically extract the security code from the vehicle. This can be done from the Engine management system EMS. Once you know this code you can make the correct selection and extract the security codes for the vehicle.

Some vehicles have a time delay, so if an incorrect security code is entered, the system will prevent any further attempts for programming until a specified period of time has elapsed. Therefore it is important to be sure you are entering the correct security code for the vehicle. VAG allow you to attempt to enter the security code a defined number of times according to the immobiliser system fitted to the vehicle before applying the time delay.

Remote Controls

Many of today's vehicles have remote controls (key fobs) that enable you to turn off the alarm and operate the central locking system to open / close the doors without using the key. These remote controls also need to be programmed, when ever the battery is replaced / new remote control is purchased.

There are different methods employed to carry out these programming procedures, which are either through a manual process or a diagnostic software process. Again these procedures are very precise and require the user to follow the procedure exactly, to program the remote control.

Audi, Seat, Skoda, Volkswagen - VAG

Introduction

VAG immobiliser systems use a 4 digit security code to access the vehicle's Key programming procedures. This will be a 4 digit security code that would have been supplied on a white tag when the vehicle was new. VAG main dealers do not have the ability to supply the security code without the car being present and connecting the VAG online diagnostic system to extract the security code from the vehicle. For this reason the iKEYS Software is supplied with the 'VAG Pin Extraction' software to enable you to extract the security code from the vehicle.
We currently support 2 methods Engine and Dashboard

Engine

This will work on most petrol vehicles that have the engine management system ECM type ME7.x and all Diesel systems that have the engine management system ECM type EDC15x fitted (where x is the EMS system variation).

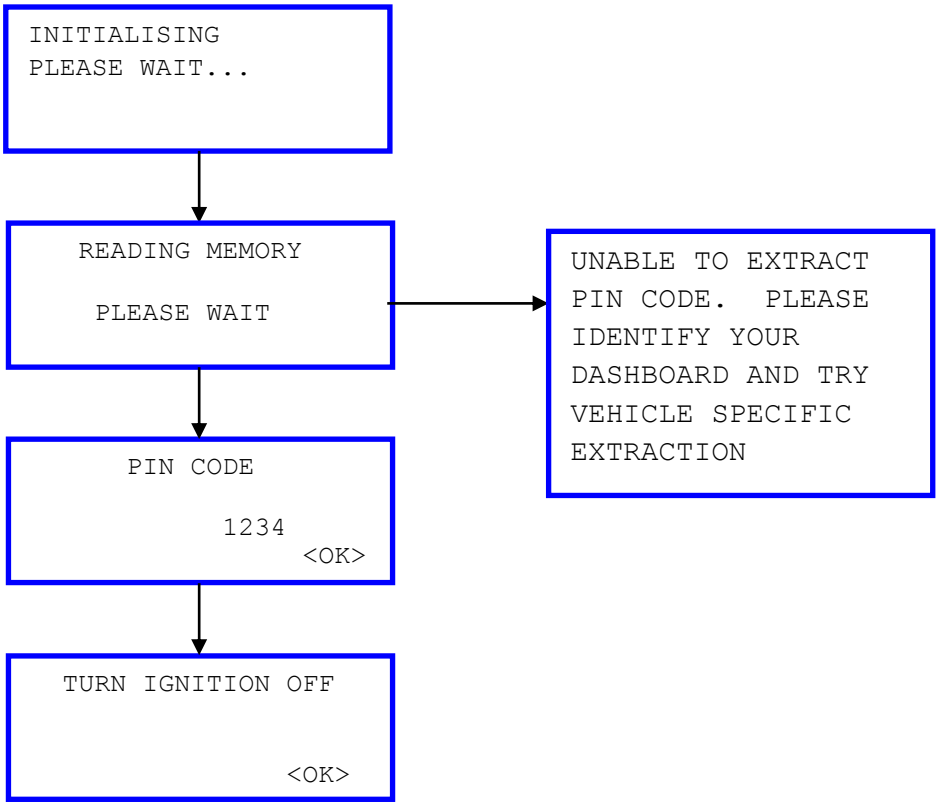
Dashboard

This method will supply a Pin code for vehicles fitted with a supported VDO dashboard.

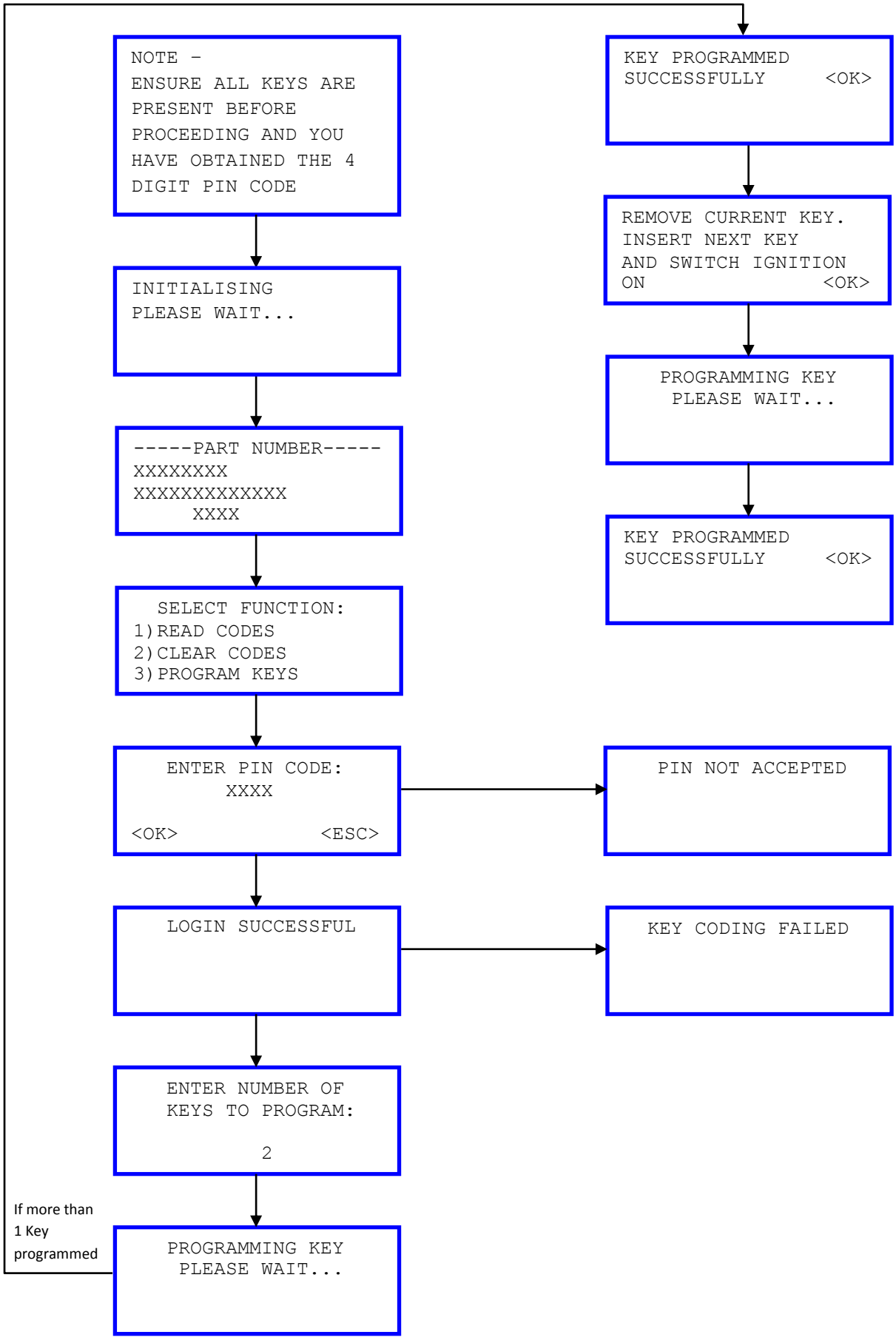
Once you have extracted the Security code from the vehicle you will then be able to successfully program the new key.

Before programming the new key, ensure all the existing keys for the vehicle are available. As the procedure for programming a new key, will erase all the existing keys from the immobiliser system and require the existing keys to be re-programmed back into the vehicle.

Pin Extraction Software flow chart



VAG Software flow chart



KeyFob Programming Procedure (Remote)

Audi	A2	00-06
Audi	A3	96-03
Audi	A6	97-05
Audi	TT	98-06
Audi	A4	94-01
Audi	A4	01 on
Seat	Arosa	97-05

Volkswagen	Lupo	98-05
Volkswagen	Polo	02 on
Seat	Ibiza	02 on
Seat	Cordoba	02 on
Seat	Toledo	99-05
Seat	Leon	99-05

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Press and release either the “Lock” or “Unlock” button on the key fob.

Typical VAG 2-button Key fob

Typical VAG 3-button Key fob

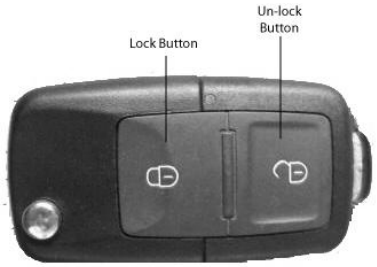
- Within the next 30 seconds: Using the key manually lock and unlock the driver’s door.
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Seat	Ibiza	93-99
Seat	Cordoba	93-99
Seat	Toledo	91-99

Re-initialising Procedure – Infrared Key fobs

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Point key fob at infrared receiver located in rear view mirror
- Press both the “Lock” and “Unlock” buttons together on the key fob twice



Typical VAG 2-button Key fob

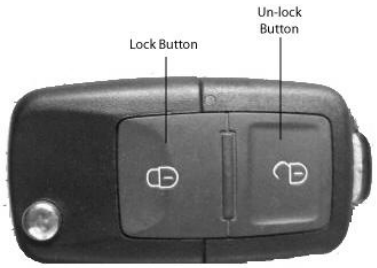
Typical VAG 3-button Key fob

- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Re-initialising Procedure – Radio frequency Key fobs

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Press both the “Lock” and “Unlock” buttons together on the key fob twice



Typical VAG 2-button Key fob

Typical VAG 3-button Key fob

- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

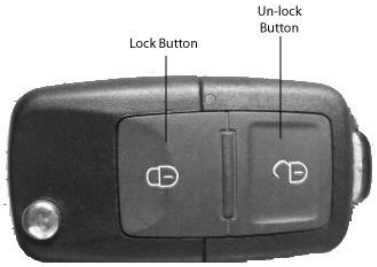
Skoda	Octavia	98-04
Volkswagen	Beetle	98 on
Volkswagen	Golf	97-04
Volkswagen	Bora	97-05

Re-initialising Procedure (01-04 vehicles only)

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

Skoda Octavia’s manufactured before 2001, can not be re-initialised and require programming. Refer to programming section.

- Press either the “Lock” or “Unlock” button on the key fob



Typical VAG 2-button Key fob **Typical VAG 3-button Key fob**

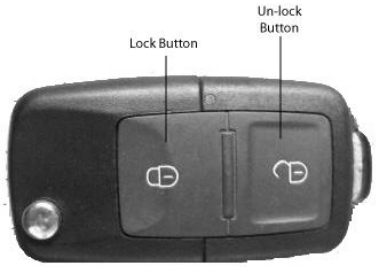
- Within the next 60 seconds: Manually “Unlock” driver’s side door
- Key fob is re-initialised.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.
- Repeat above procedure to re-initialise any remaining key fobs

Skoda	Superb	02 on
Volkswagen	Sharon	97 on

Re-initialising Procedure – Radio frequency key fobs (Type 2)

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Press either the “Lock” or “Unlock” button for 1 second on the key fob



Typical VAG 2-button Key fob **Typical VAG 3-button Key fob**

- Manually “Unlock” or “Lock” the vehicle using the key
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Daewoo

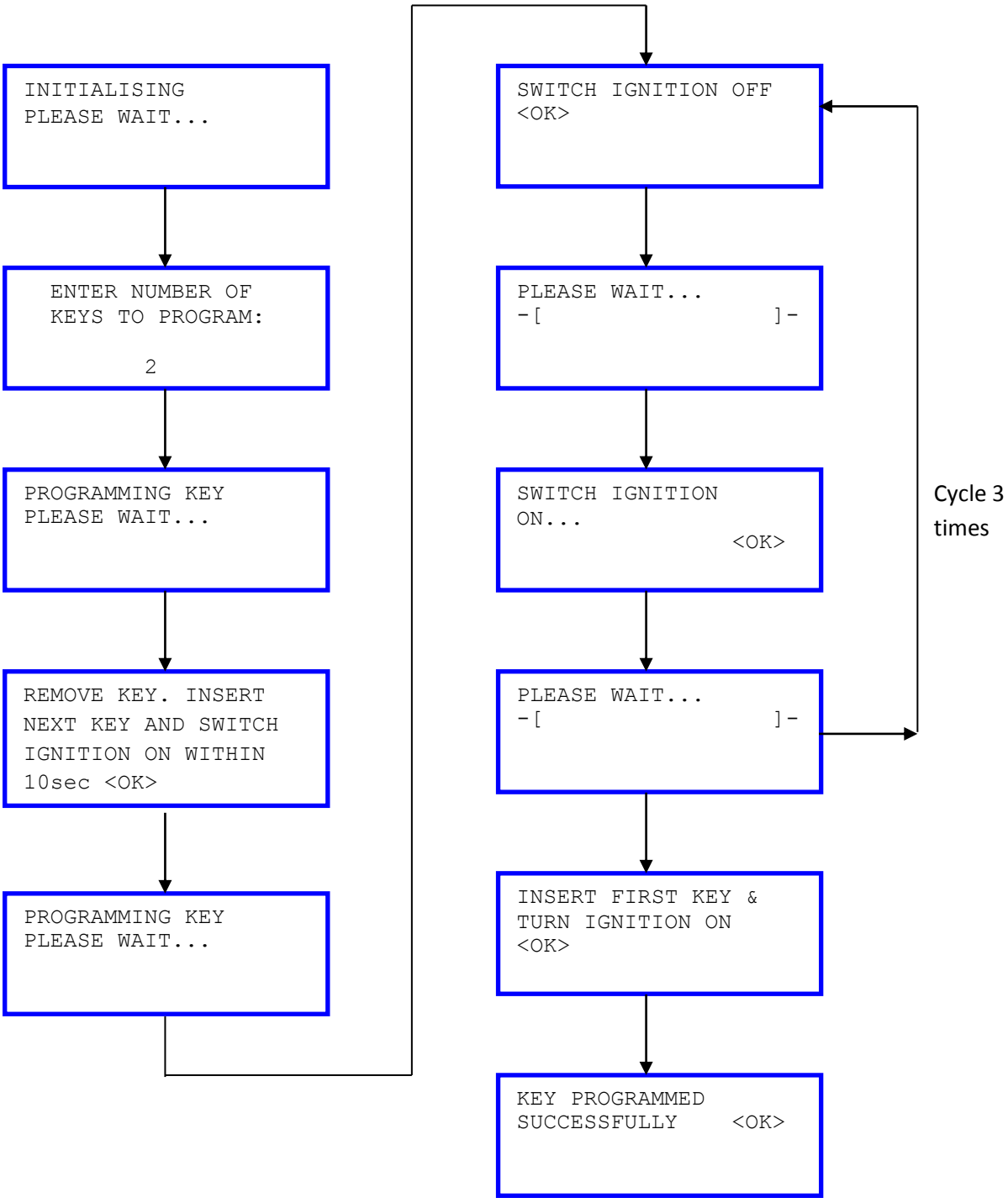
Introduction

Daewoo Key programming does not require a pin code. All the keys need to be present when coding a key, any key not present will be erased.

To Erase a lost key Program all remaining keys.

If after programming a key the vehicle does not start, wait 10 Minutes and try again, or Disconnect battery for 10 Minutes.

Daewoo Software flow chart



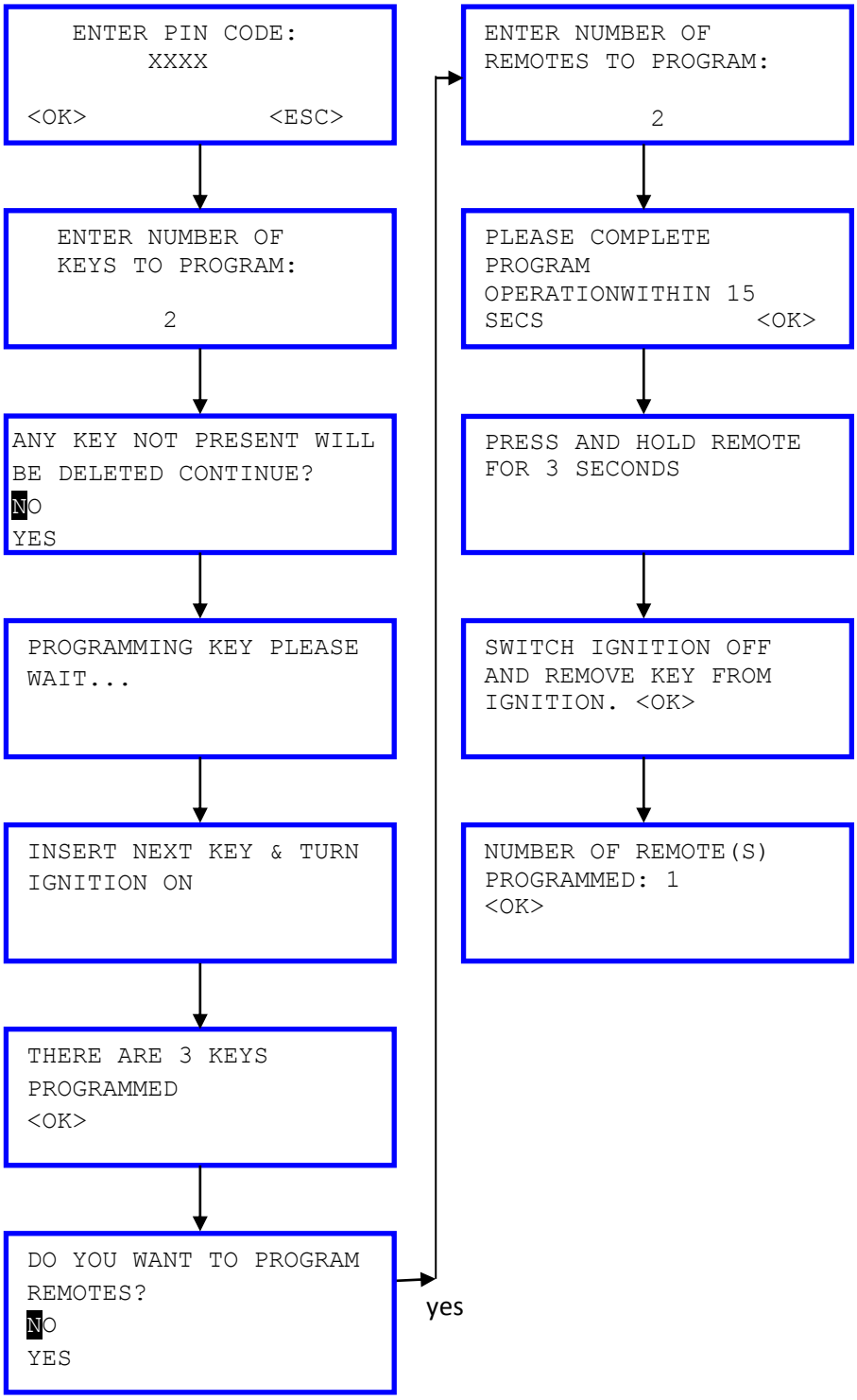
FIAT

Introduction

Fiat Key programming requires a 5 digit Pin number, this can be found on the Key card provided with the vehicle or obtained from the Dealer.
All the keys need to be present when coding a key, any key not present will be **permanently** erased.

To erase a lost key Program all remaining keys.

Fiat Software flow chart – CAN Immobiliser



Ford

Introduction

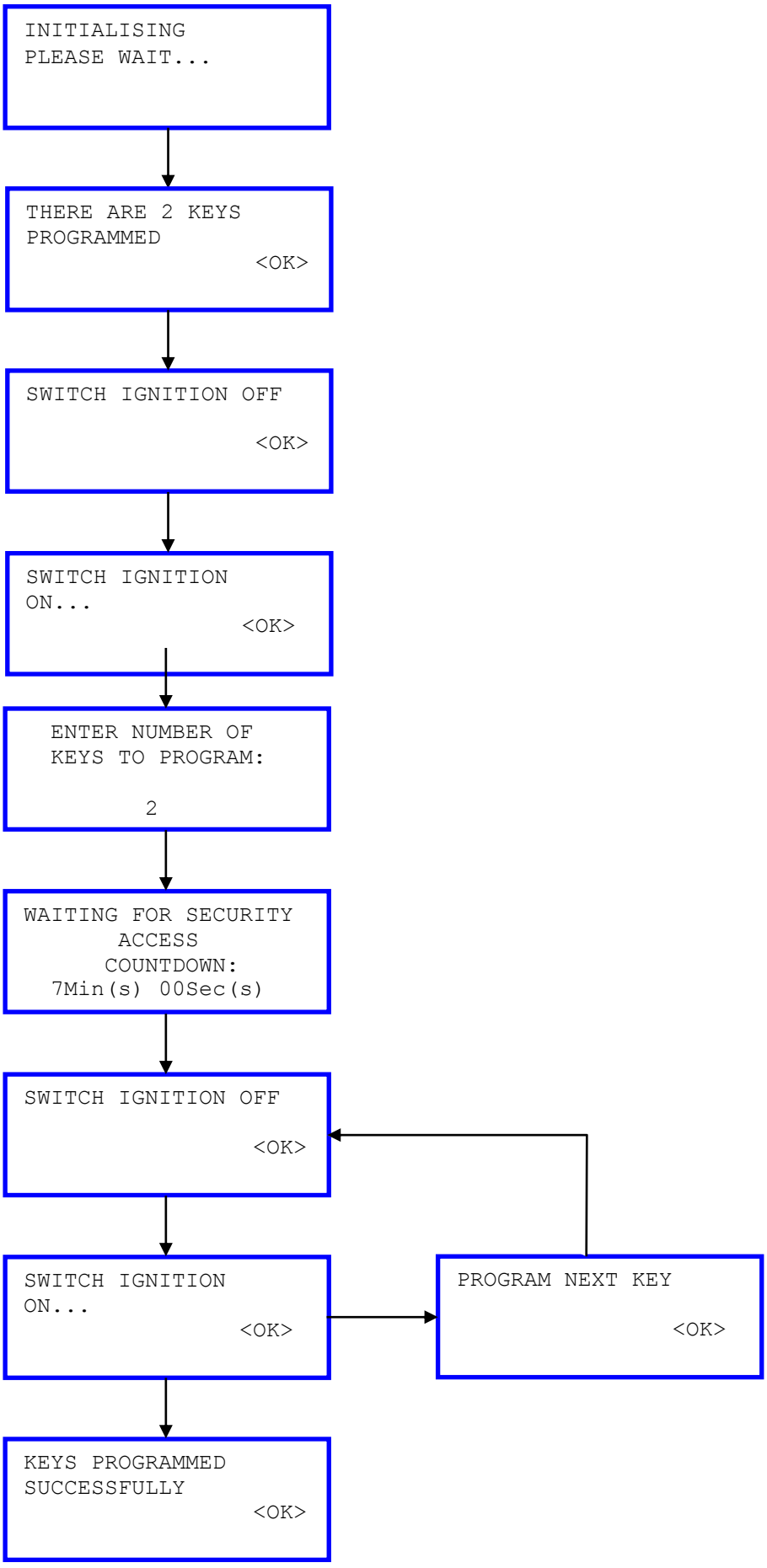
Ford has a number of different systems fitted across the range. These are known as PATS (Passive Anti-Theft System) and have timed access or coded access in order to gain security the vehicle. This timed access can vary from 8 minutes to 12 minutes.
Coded access is a system where the vehicle gives you a “Out-Code” and requires you to input an “In-Code” this is supplied by the Ford Dealer from the out code.

The iKeys software will allow you to re-enter an In-Out Pair for a vehicle, this is a Out-code obtained from the vehicle and a In-code obtained from Ford. A matching pair will always be valid for that vehicle.

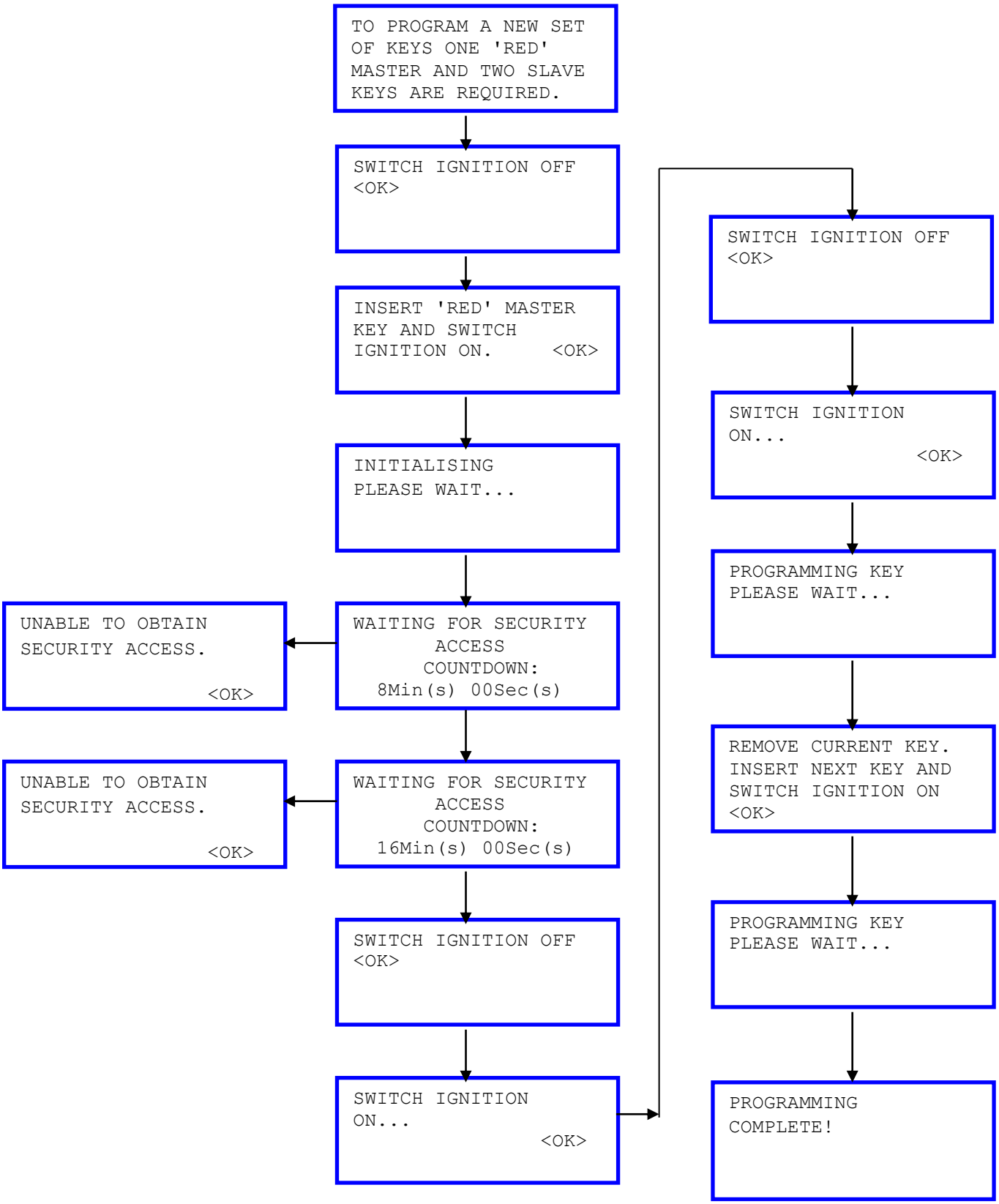
Once the system has gained access you are able to program the keys to the vehicle.

A minimum of 3 Keys must be programmed to the PATS 1 system before the vehicle will start, and 2 Keys to the PATS 2 and PATS 3 systems before the vehicle will start.

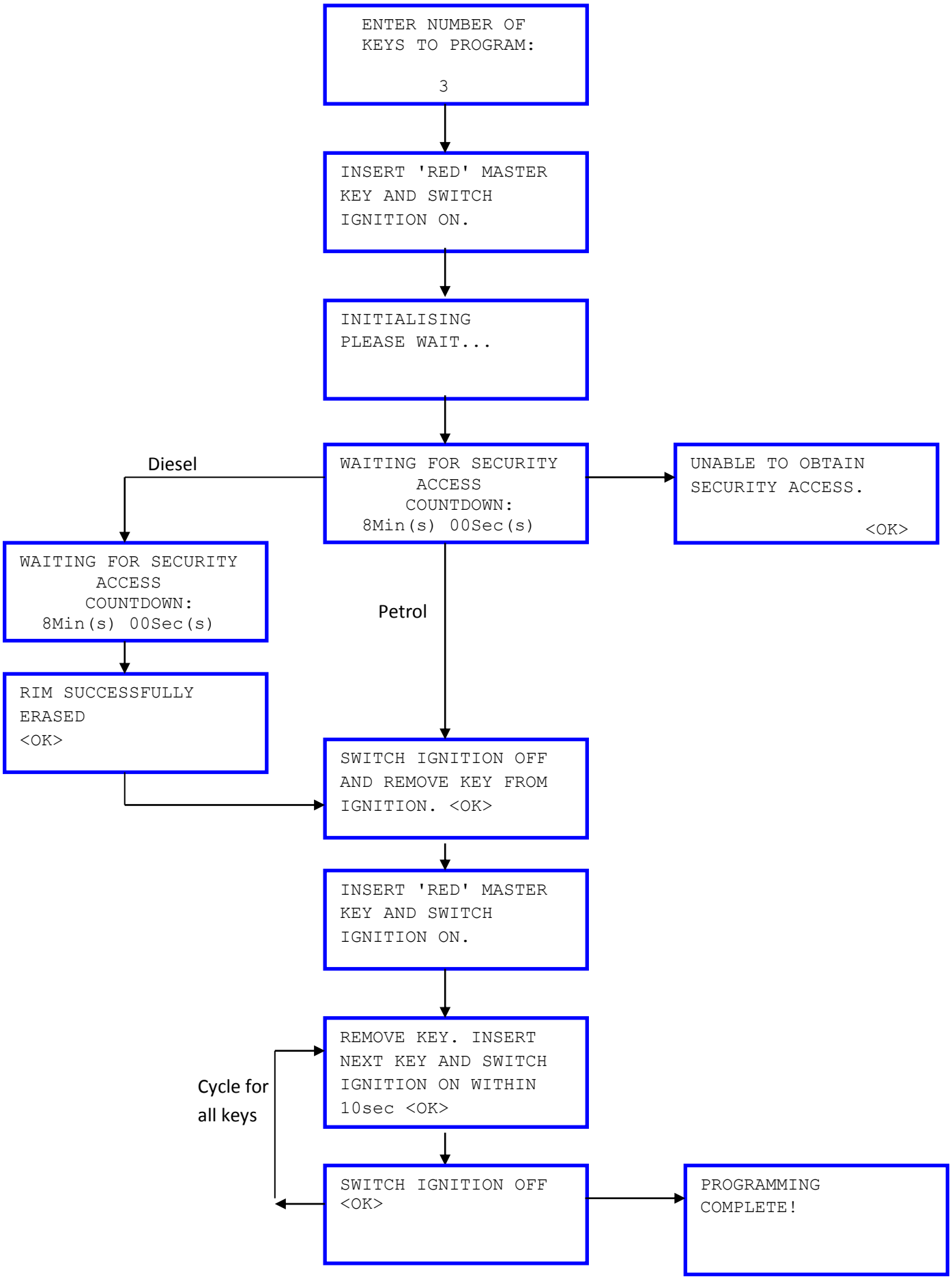
Ford Software flow chart – Pats1



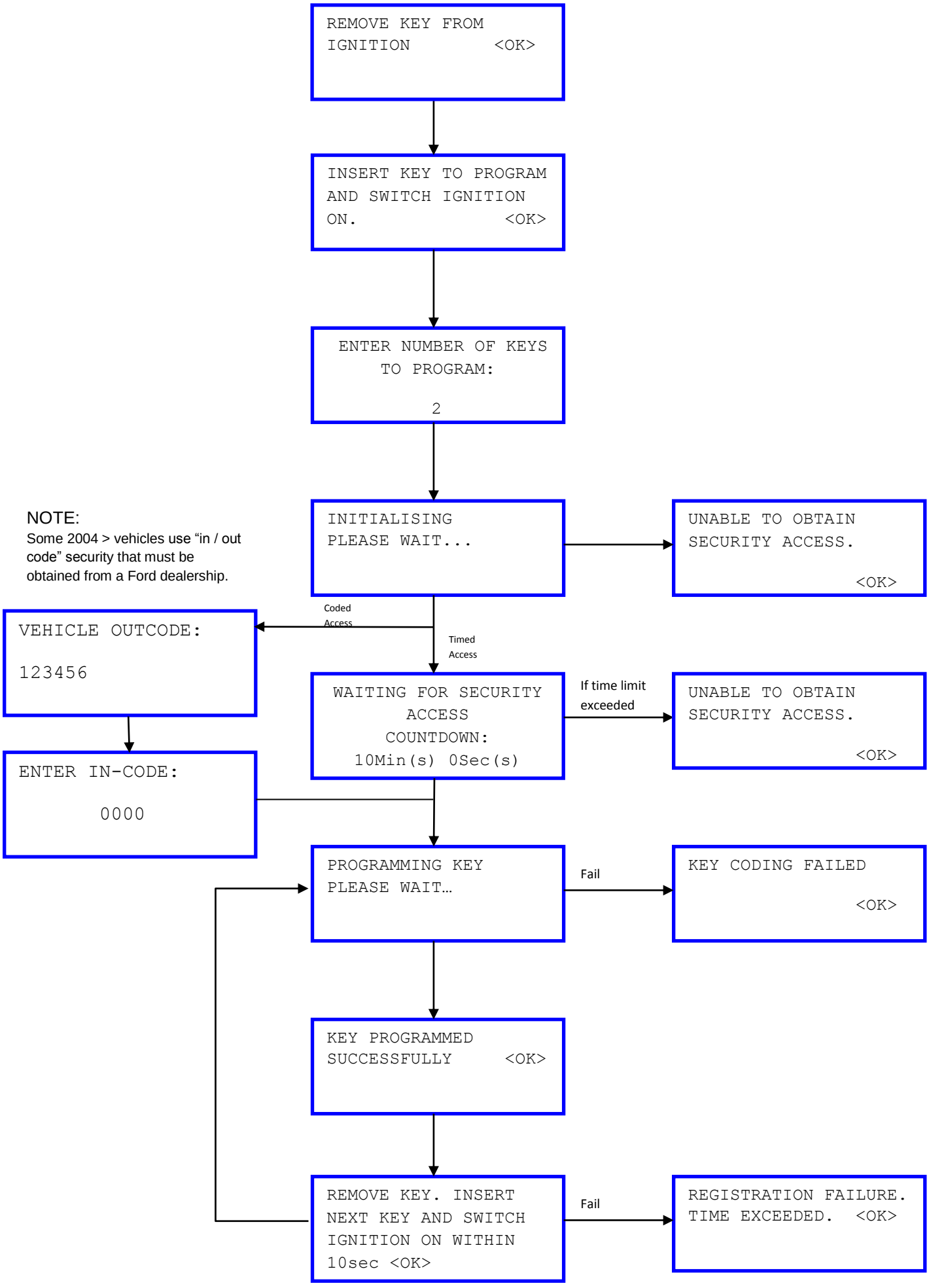
Ford Software flow chart – Pats1 Escort & Courier



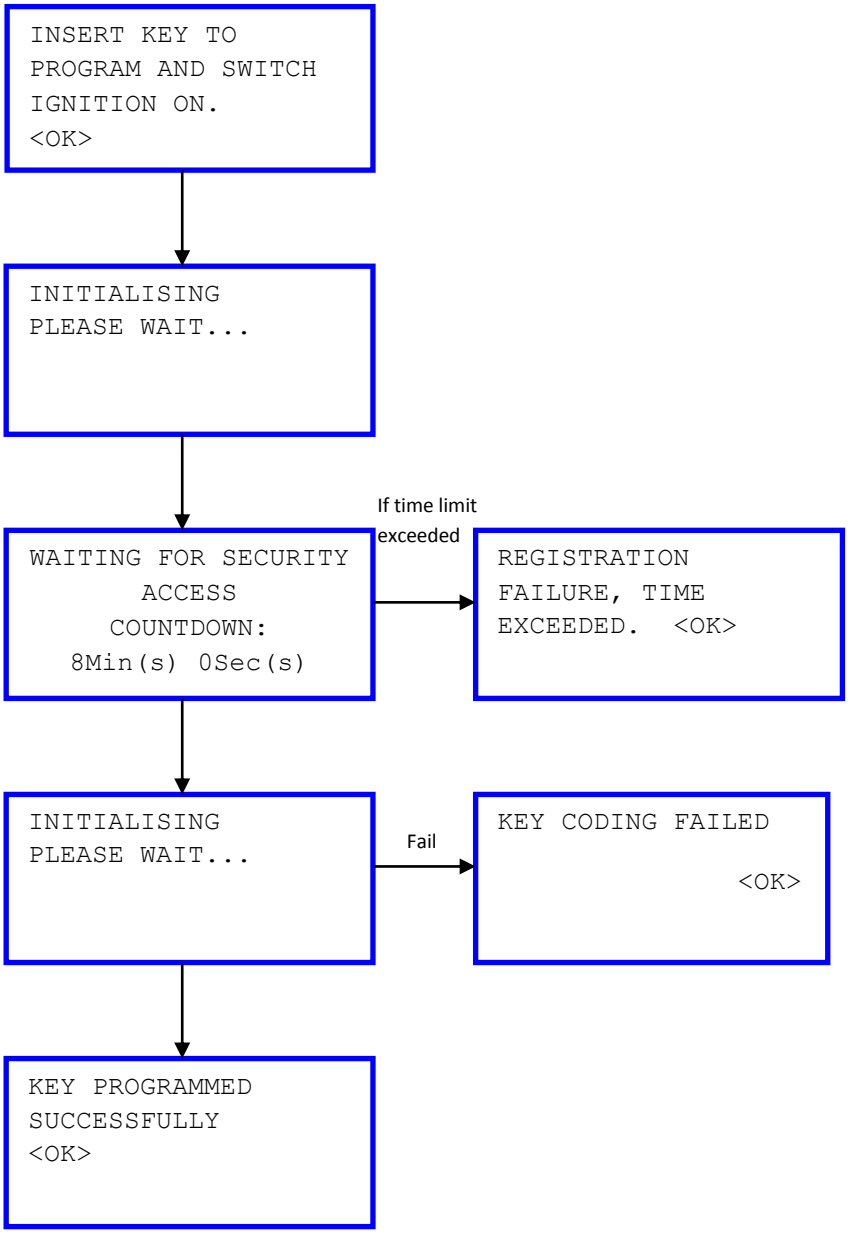
Ford Software flow chart - Pats2 Petrol & Diesel



Ford Software flow chart – Pats3



Ford Software flow chart – Pats3 SCP Galaxy



KeyFob Programming Procedure (Remote)

Sport Ka	03 on
Street Ka	03 on
Fiesta	00-02
Fiesta	02 on
Fusion	02 on
Mondeo	01-
Cougar	98-01
Focus C Max	03 on

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Close all doors
- Switch the ignition “ON” 4 times within 6 seconds
- Switch the ignition “OFF”
- Programming mode activated for approximately 10 seconds:
    - Press and release any button on the key fob

Typical 3-button key fob

Later style 3-button key fob

    - An audible warning will sound and the system Alarm LED will flash to indicate successful programming

- After the first key has been programmed, the 10 seconds programming mode automatically starts again for the next key
- Repeat above procedure to re-program any remaining key fobs.
- To exit programming mode: Switch ignition “ON” or wait 10 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Fiesta	95-99
Mondeo	93-96
Puma	97-02

Programming Procedure – Infrared key fobs

Note. *If the central locking / alarm system is malfunctioning, key fob batteries have been replaced or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fob for vehicle
- Using any key, switch the ignition to position “I”
- Wait approximately 10 seconds
- System Alarm LED should illuminate

Note. System *Alarm LED illuminates for approximately 5 seconds*

- Whilst system Alarm LED is illuminated:
  - Switch the ignition “OFF” and remove the key
- Programming mode activated for approximately 20 seconds (System alarm LED remains illuminated):
  - Point the key fob at the infrared receiver
    - Fiesta and Puma: located near interior lamp
    - Mondeo: located in front door handles
  - Press and hold the “Unlock” button on the key fob

Typical 3-button key fob **Typical 2-button key fob**

  - After approximately 1 second, the LED on the key fob will flash once
  - Press and release the “Lock” button on the key fob between 3 to 5 times, whilst still holding in the “Lock” button on the key fob
  - Release the “Unlock” button on the key fob
  - Continue to point the key fob at the infrared receiver until both the system Alarm LED and key fob LED have flashed 5 times
- Repeat above procedure to re-program any remaining key fobs.
- To exit programming mode: Switch ignition “ON” and “OFF” and wait approximately 20 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Programming Procedure – Radio frequency key fobs

Fiesta and Puma vehicles only

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fobs
- Switch the ignition “ON” 4 times within 3 seconds
- Switch the ignition “OFF” and remove key from ignition switch
- Programming mode activated for approximately 20 seconds (System alarm LED remains illuminated):
    - Type 1 key fob: Press and release either the “Lock” or “Unlock” button on the key fob

Typical 2-button key fob

    - Type 2 Key fob: Press and release any button on the key fob

Typical 3-button key fob

- According to model: Wait for either the System Alarm LED or Fog lamps “ON” warning lamp to illuminate and / or the vehicle to emits an audible warning sound to indicate correct programming
- Within 20 seconds: Repeat above procedure to re-program any remaining key fobs.
- To exit programming mode: Switch ignition “ON” and wait 20 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Focus	98-05

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys with remote key fobs
- Fasten all seat belts and close all doors
- Switch the ignition between position I to position II 4 times within 6 seconds
- Switch the ignition to position I (up to 11/2000) or Switch the ignition “OFF” 12/2000 on
- Programming mode activated for approximately 10 seconds:
    - Press and hold either the “Lock”, “Unlock” or “boot release” button on the key fob

Typical 3-button key fob

- An audible warning will sound to indicate successful programming
- Within the next 10 seconds: Repeat above procedure to re-program any remaining key fobs
- To exit programming mode: Switch the ignition to position III or wait 10 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Mondeo	96-00

Programming Procedure – Infrared key fobs

Note. *If the central locking / alarm system is malfunctioning, key fob batteries have been replaced or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fob for vehicle
- Fasten seat belts and close all doors
- Using any key, switch the ignition from position “I” to position “II” at least 4 times in 6 seconds
- Programming mode activated for approximately 10:
    - Point the key fob at the infrared receiver (located in front door handles)
    - Press and hold either the “Lock” or “Unlock” button on the key fob

Typical 3-button key fob

Typical 2-button key fob

- An audible warning will sound to indicate successful programming
- Within the next 10 seconds: Repeat above procedure to re-program remaining key fobs
- To exit programming mode: Start the engine and wait 10 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Programming Procedure – Radio frequency key fobs

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fobs
- Switch the ignition “ON” 4 times within 3 seconds
- Switch the ignition “OFF” and remove key from ignition switch
- Programming mode activated for approximately 20 seconds (System alarm LED remains illuminated):
    - Type 1 key fob: Press and release either the “Lock” or “Unlock” button on the key fob

Typical 2-button key fob

- Type 2 Key fob: Press and release either the “Lock” or “Unlock” button on the key fob

Typical 3-button key fob

- The system Alarm LED will flash to indicate successful programming
- Wait 2 seconds
- Within 20 seconds: Repeat above procedure to re-program remaining key fobs.
- To exit programming mode: Switch ignition “ON” and wait 20 seconds
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Tourneo Connect	02 on
Transit Connect	02 on
Transit	00-06

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fobs
- Switch the ignition from “OFF” to “ON” 8 times within 10 seconds
- Leave the ignition in the “ON” position
- Programming mode activated - doors “Lock” and then “unlock”
- Within 20 seconds:
    - Press and release any button on the first key fob to be programmed

Typical 3-button key fob

    - Doors “Lock” and then “Unlock” to indicate correct programming

- Within 20 seconds:
    - Press and release any button on the second key fob to be programmed
    - Doors “Lock” and then “Unlock” to indicate correct programming

- Within 20 seconds:
    - Press and release any button on the third key fob to be programmed
    - Doors “Lock” and then “Unlock” to indicate correct programming

- Within 20 seconds:
    - Press and release any button on the fourth key fob to be programmed
    - Doors “Lock” and then “Unlock” to indicate correct programming

- To exit programming mode: Switch ignition “OFF”
- Doors “Lock” and then “Unlock” to indicate programming mode end
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Galaxy	95-06

Programming Procedure – Infrared key fobs

Note. *If the central locking / alarm system is malfunctioning or a replacement battery is installed or key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Close all windows and doors
- Insert one of the keys into the driver’s side door lock
- Within 5 seconds: Turn key to “Unlock” position 3 times

Note. *Insure key is held in “Unlock” position for at least 0.5 seconds.*

Remove key from driver’s side door lock

- Programming mode activated with driver’s door LED illuminated
- Carry out the following within 15 seconds:
    - Point key fob at infrared receiver (located near rear view mirror)
    - Press and hold the “Lock” button on the key fob within 5 seconds of entering programming mode

Typical 2-button key fob

Later type 2-button key fob

Typical 2-button key fob (to be edited)

- Press the “Unlock” button 3 times on the key fob
- Release the “Lock” button on the key fob
- Correct programming of key fob indicated by driver’s door LED flashing 6 times and key fob LED flashing 5 times
- Repeat above procedure within 15 seconds to re-program any remaining key fobs.
- To exit programming mode and turn “OFF” driver’s side door LED: wait 15 seconds without pressing any key fob buttons.

- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Programming Procedure – Radio frequency key fobs

Note. *If the central locking / alarm system is malfunctioning or a replacement battery is installed or key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Close all windows and doors
- Insert one of the keys into the driver's side door lock
- Within 5 seconds: Turn key to "Unlock" position 3 times

Note. *Insure key is held in "Unlock" position for at least 0.5 seconds.*

Remove key from driver's side door lock

- Programming mode activated with driver's door LED illuminated
- Carry out the following within 15 seconds:
  - Press and hold the "Lock" button on the key fob within 5 seconds of entering programming mode

Typical 2-button key fob

Later type 2-button key fob

  - Press the "Unlock" button 3 times on the key fob
  - Release the "Lock" button on the key fob
  - Correct programming of key fob indicated by driver's door LED flashing 6 times and key fob LED flashing 5 times
  - Repeat above procedure within 15 seconds to re-program any remaining key fobs.
  - To exit programming mode and turn "OFF" driver's side door LED: wait 15 seconds without pressing any key fob buttons.
  - Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 4 key fobs can be programmed to the vehicle.*

Maverick	97 to 03

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Obtain all keys fitted with remote key fobs

  Note. *All previous key fobs will be erased when programming mode is entered.*

- Switch the ignition from “OFF” to “ON” 8 times within 10 seconds
- Leave the ignition in the “ON” position
- Programming mode activated - doors “Lock” and then “unlock”
- Within 7.5 seconds:
  - Press and release any button on the first key fob to be programmed
  - Doors “Lock” and then “Unlock” to indicate correct programming

- Within 7.5 seconds:
  - Press and release any button on the second key fob to be programmed
  - Doors “Lock” and then “Unlock” to indicate correct programming

  Note. *If the door locks do not respond for any keyless entry remote transmitter, wait for several seconds and press the button again.*

- Within 7.5 seconds:
  - Press and release any button on the third key fob to be programmed
  - Doors “Lock” and then “Unlock” to indicate correct programming

- Within 7.5 seconds:
  - Press and release any button on the fourth key fob to be programmed
  - Doors “Lock” and then “Unlock” to indicate correct programming

- To exit programming mode: Switch ignition “OFF” or wait up to 5 minutes
- Doors “Lock” and then “Unlock” to indicate programming mode end
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Programming procedure using Master Key

Note. *If the central locking / alarm system is malfunctioning or a replacement key is obtained. The following programming procedure is required to be carried out before the key will operate correctly.*

Obtain all keys

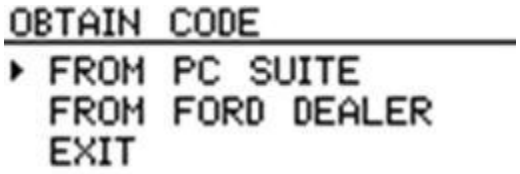
- Turn master key to position II
- Wait until clock LED illuminates
- Switch Ignition Off
- Wait until LED illuminates goes on and then Off
- Within 10 seconds - insert key new and switch ignition on
- LED flashes once to indicate correct programming
- Switch ignition off remove key
- Repeat for all other keys

Ford Coded Access

Using the Pincode Access on the SPi handset

1. Navigate to the appropriate vehicle and select the Keycoding option. Once the system has established communications you will be presented with a screen similar to this.

2. Select the Program keys option and follow the on screen instructions. You may be asked to remove the Key from the ignintion and insert the New key. In the case of the Ford software you are able to select 2 methods of obtaining the Code for the vehicle.



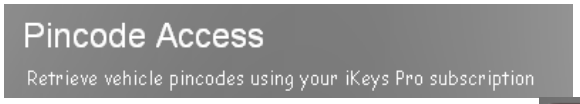
3. If you select the PC Suite option you will be required to enter the VIN for the vehicle. It is important that the correct VIN is entered as this will be verified during the internet connection stage before obtaining the information required to gain security access to the vehicle.

4. You will then be asked to unplug the unit and use the Spi Suite to upload the information to our servers for processing.

Connecting the SPi handset to the Spi Suite to get the required information

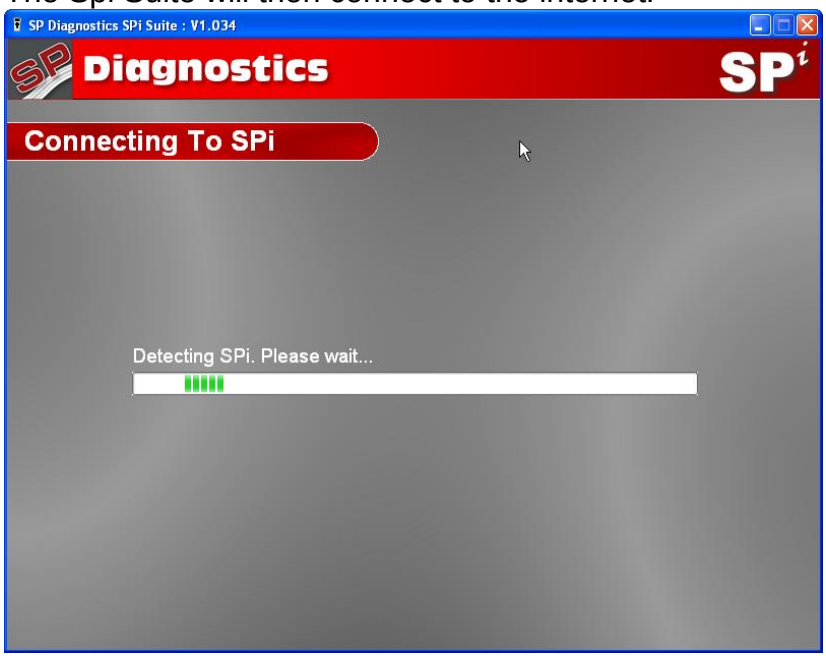
5. Start the SPi Suite using either the *SP Diagnostics SPi Suite* icon on your desktop or on your start menu (*Start* > *All Programs* > *SP Diagnostics* > *SPi Suite*).

6. From the main screen click:

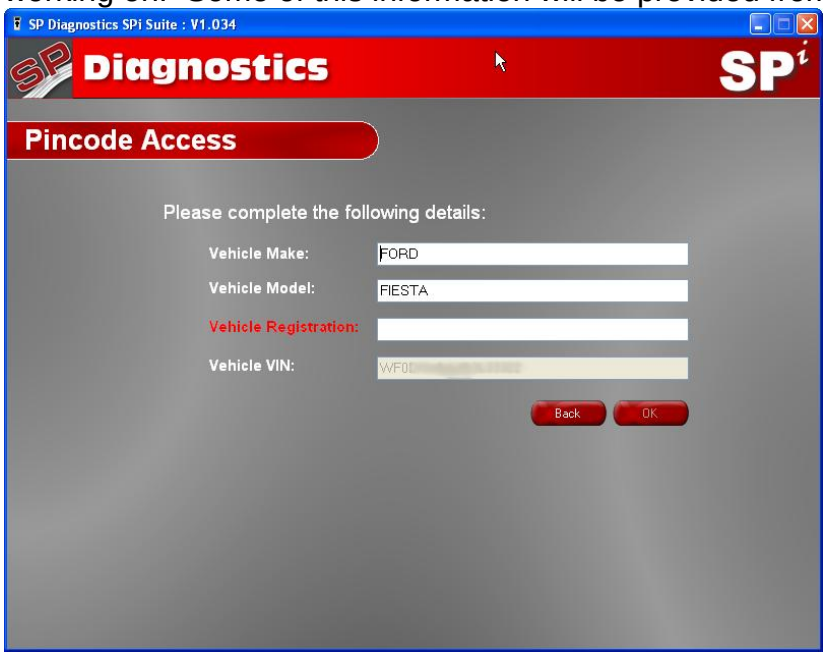


7. Connect your SPi as shown and click

8. The Spi Suite will then connect to the internet:



9. You will then be required to enter details of the vehicle you are currently working on. Some of this information will be provided from your Spi:



10. Once the process is completed you will be able to unplug the Spi and back into the vehicle you are working on to finish the pincode process:

Connecting back into the vehicle to complete the process

11. Follow steps 1 and 2 above. You will then be asked to verify the VIN code on the vehicle again to ensure the information we have provided matches with the vehicle you are programming the key on.

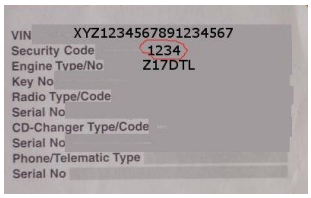
12. Security access will then be granted and you will be able to complete the process and program the Key or Keys into the vehicle.

GM / Opel

Introduction

The General Motors group use an immobiliser and Engine Management Systems to immobilise the vehicle. The immobiliser system is operated independently from the central locking system and its main function is to stop the vehicle from starting in the event that it does not recognise the transponder.

The vehicle is supplied with a card that contains the security code for the vehicle. This should be located at the front of the service manual.



Agila 02 on

Programming Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-programming procedure.*

- Open driver's side door
- Switch the ignition to the "ON" position for 1 second
- Within the next 10 seconds: Switch the ignition "OFF" and remove key
- Within 20 seconds either: Press and release door contact switch 3 times or close and open driver's side door 3 times (leaving door open)
- Switch the ignition to the "ON" position for 2 seconds
- Within 10 seconds: Switch ignition "OFF" and remove key
- Press and release the "Unlock" button on key fob 3 times

Typical 2-button key fob

- Doors "Lock" and "Unlock" to indicate correct programming
- Repeat above procedure for all remaining key fobs
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 3 key fobs can be programmed to the vehicle. If there are only 2 key fobs available the first key must be programmed twice.*

Corsa C	00-06
Astra G	98-04
Zafira	98-05
Astra H	04 on
Vectra B	95-02
Omega	98-03
Frontera	98-03
Vectra C	02 on
Signum	03 on
Meriva	03 on

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

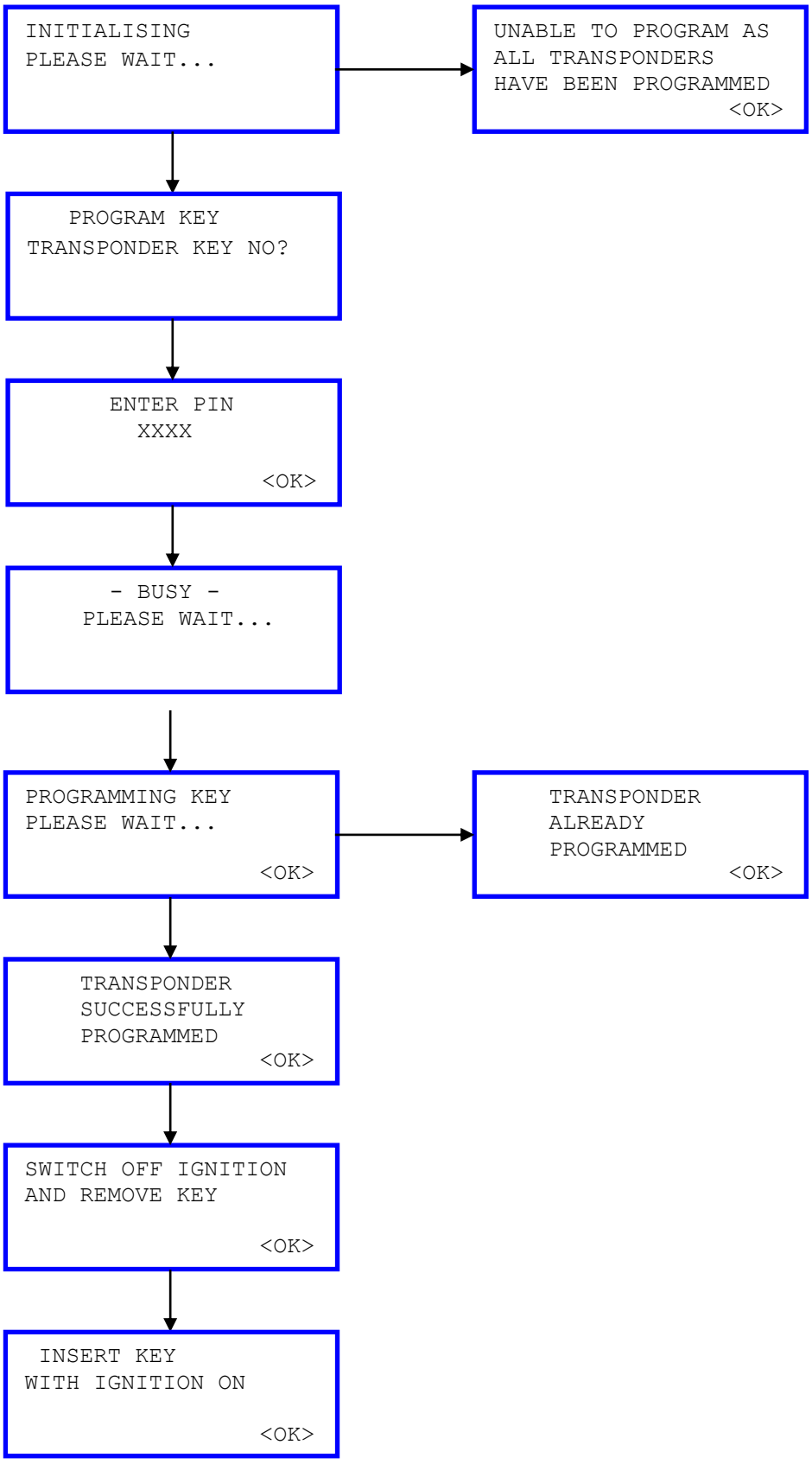
- Switch the ignition to the “ON” position
- Programming mode activated for 30 seconds
- Press either the “Lock” or Unlock” button on the key fob to be programmed

Typical 2-button key fob

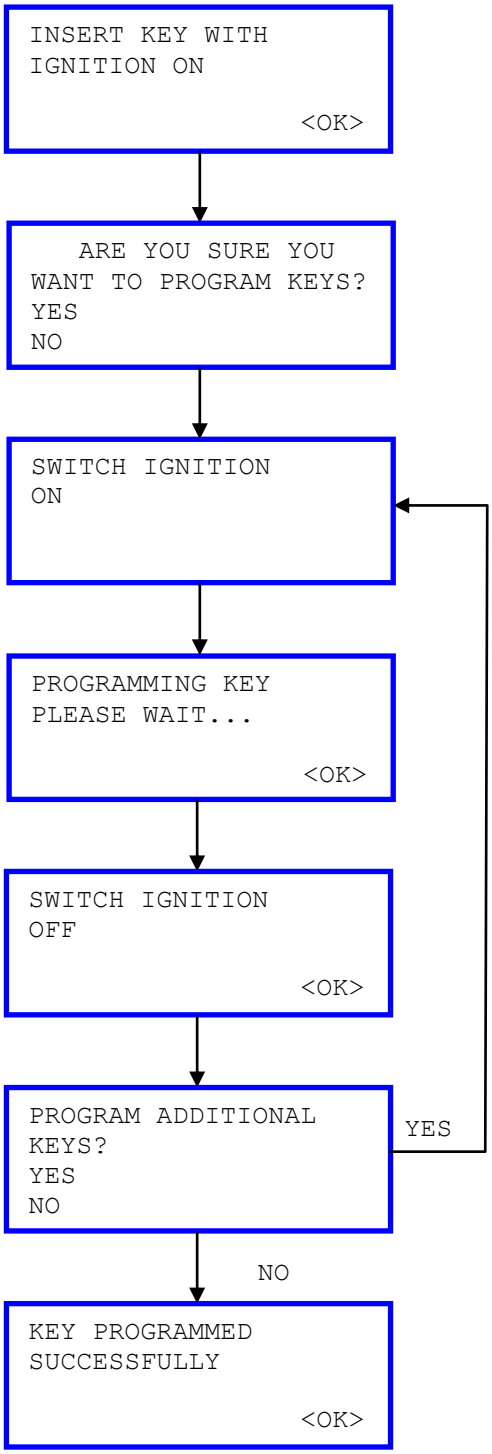
Typical 3-button key fob

- Central locking system operates to indicate correct re-initialising
- Repeat above procedure for all remaining key fobs
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

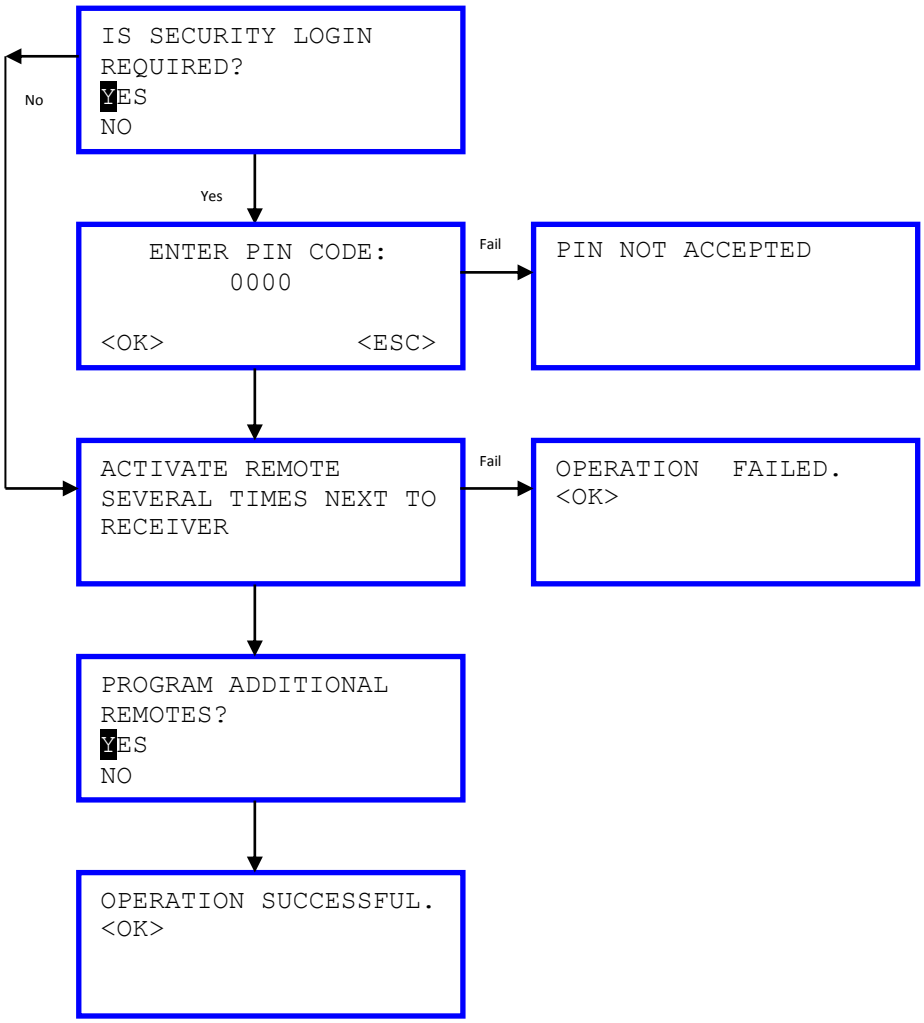
GM Software flow chart – Immo 1



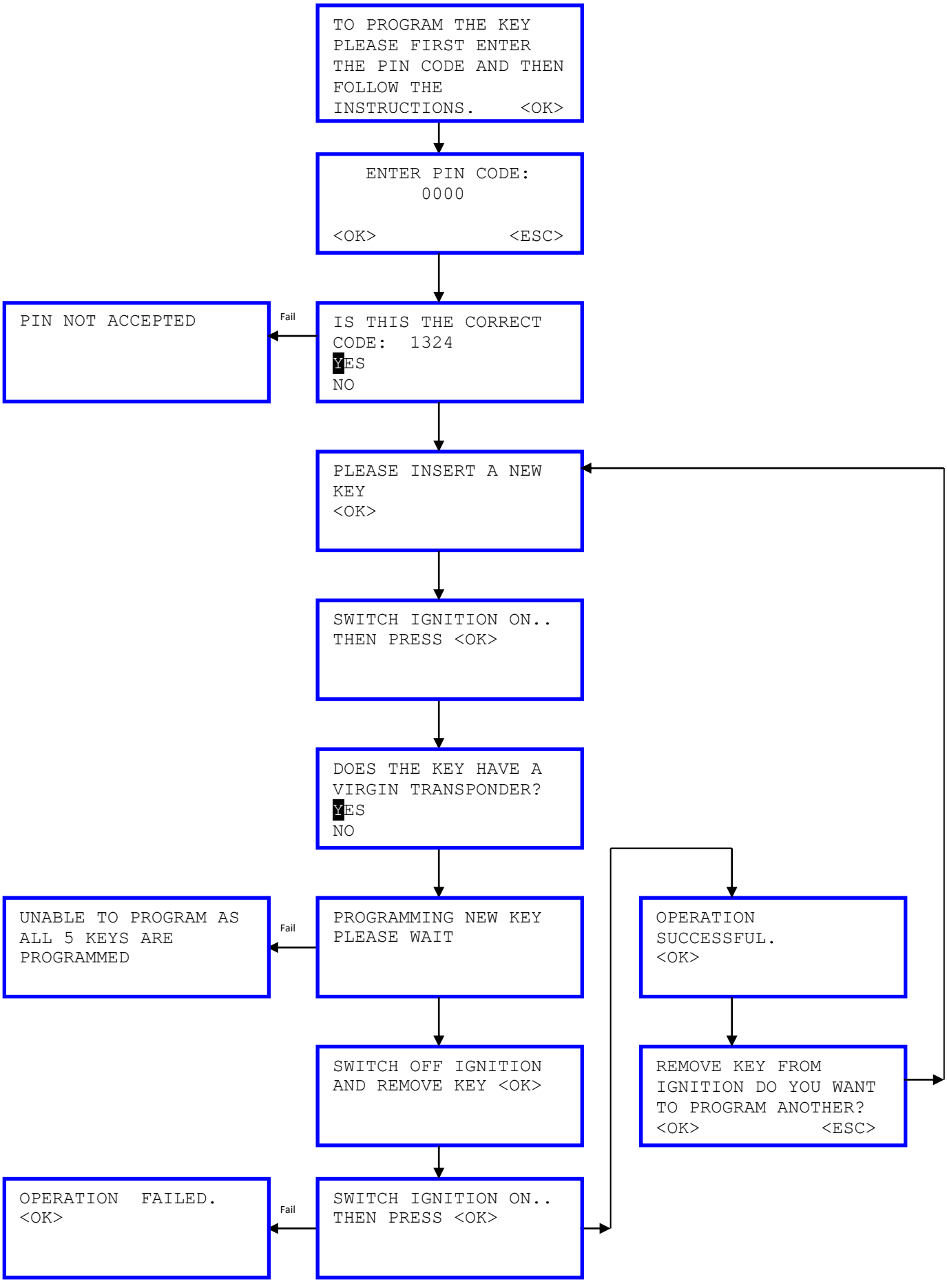
GM Software flow chart – Immo 2



GM Software flow chart – Remote Fob Programming

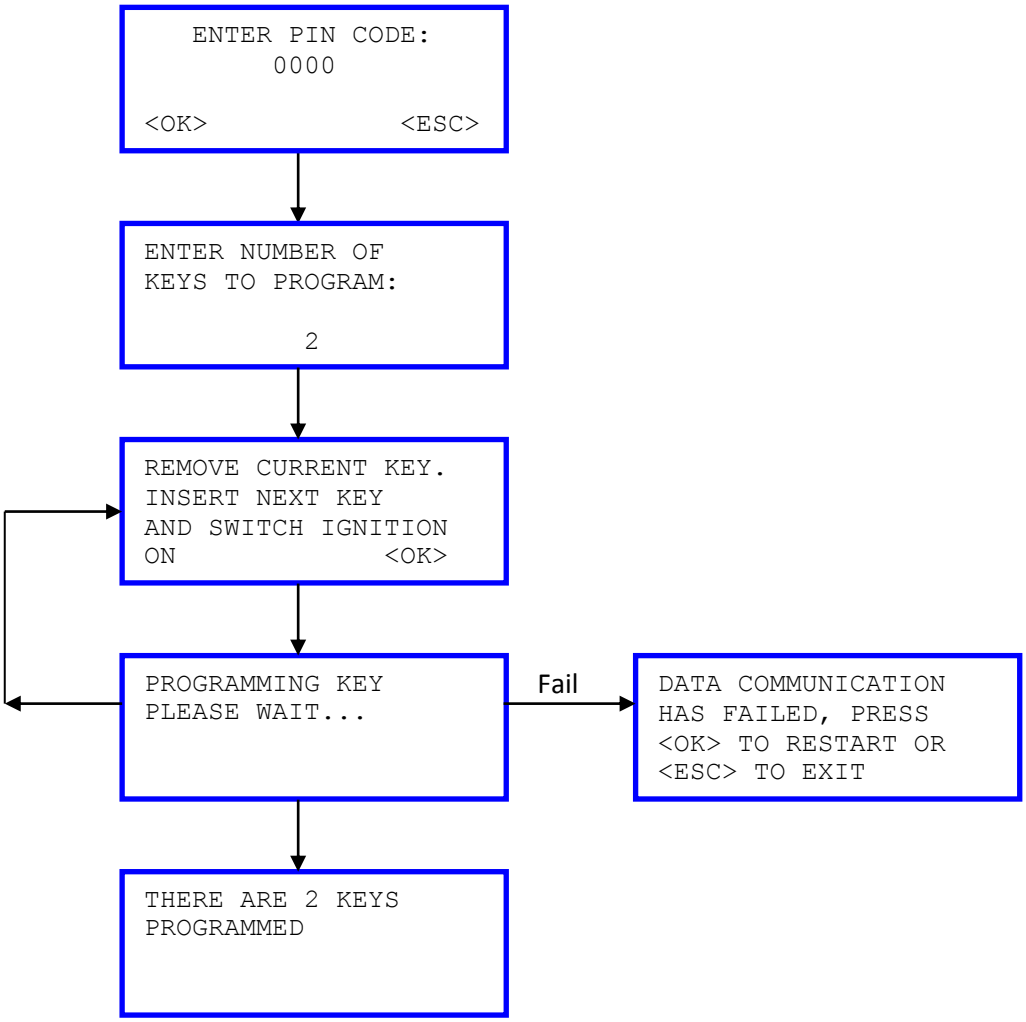


GM Software flow chart – Immobiliser 3 (CAN)



GM Software flow chart – Immobiliser 4 (Corsa-D)

All Keys must be present at the time of programming, any key not present will be erased.



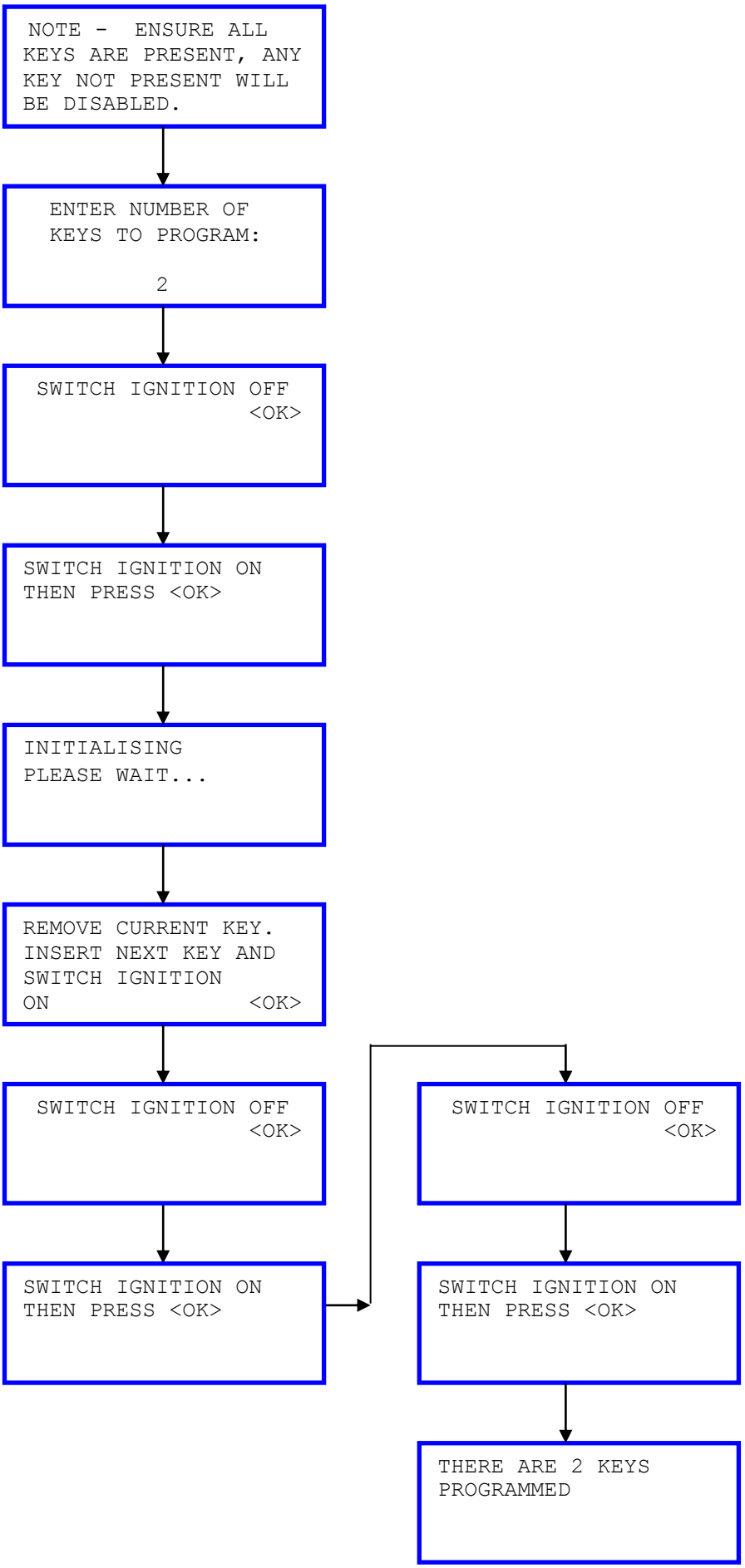
HONDA

Introduction

All Keys need to be present when programming keys, any key not present will be erased. No Security Code is needed to program keys.

To Erase a lost key Program all remaining keys.

Honda Software flow chart



Honda Key Fob Programming Procedure (Remote)

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly. Maximum of 3 Remotes can be programmed*

- Obtain all remote controls
- Switch the ignition “ON”
- Within 4 Seconds – Press the Unlock or Lock Button
- Within 4 Seconds – Switch the Ignition “OFF”
- Within 4 Seconds – Switch the Ignition “ON”
- Within 4 Seconds – Press the Unlock or Lock Button
- The system should Unlock or Lock the vehicle
- Within 4 Seconds – Press the Unlock or Lock Button
- Within 15 Seconds - Press the Unlock or Lock Button of each remote that is to be programmed
- Switch the Ignition “OFF”
- Remove the Ignition Key
- Check the operation of each remote Fob.

Typical 2-button key fob

Mitsubishi

Introduction

All Keys need to be present when programming keys, any key not present will be erased. No Security Code is needed for Vehicle listed in the Software.

To Erase a lost key Program all remaining keys.

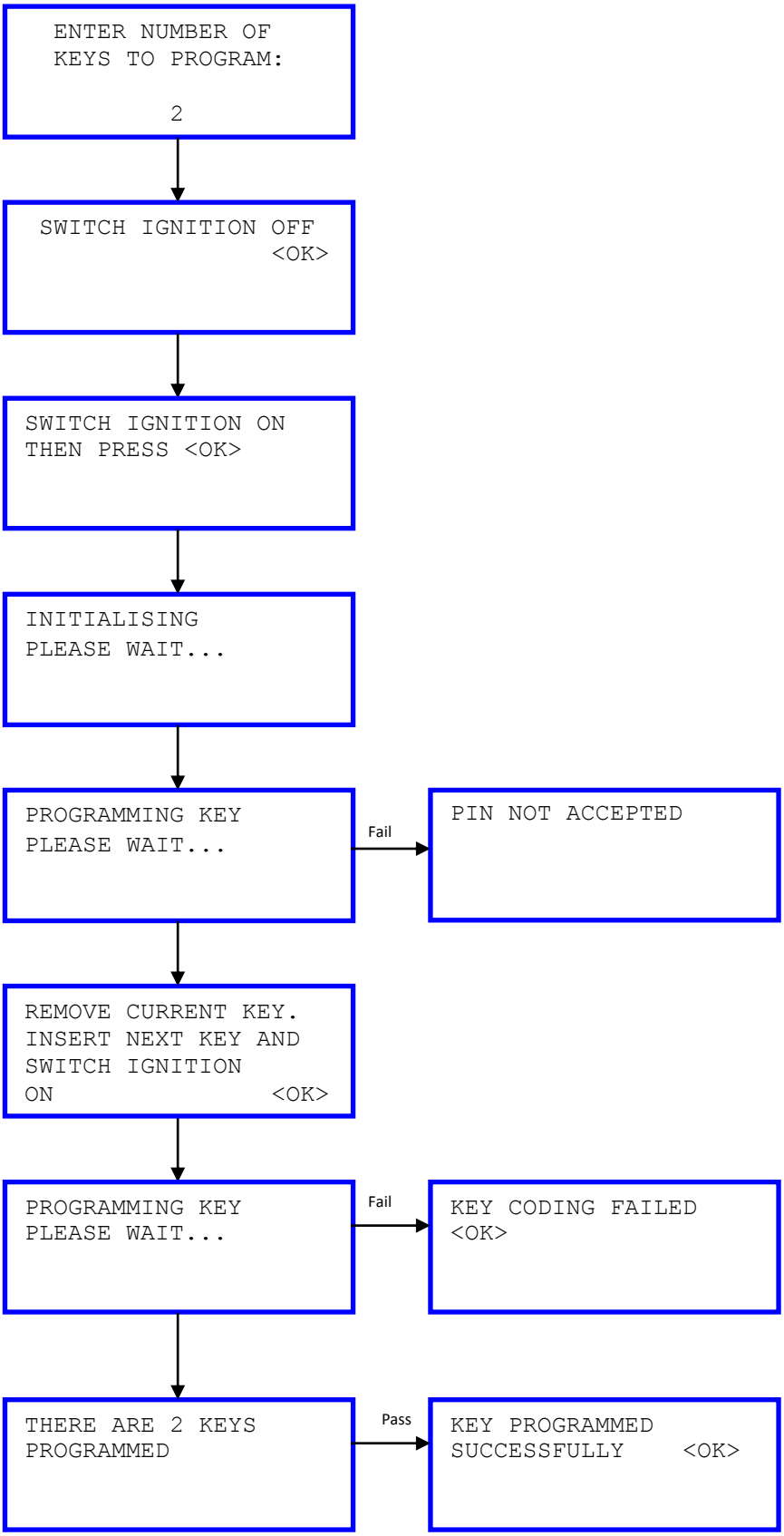
The Dashboard Warning lamp will flash while programming to indicate that the vehicle is in diagnostic mode.

L200 Remotes are coded diagnostically via the separate menu Item

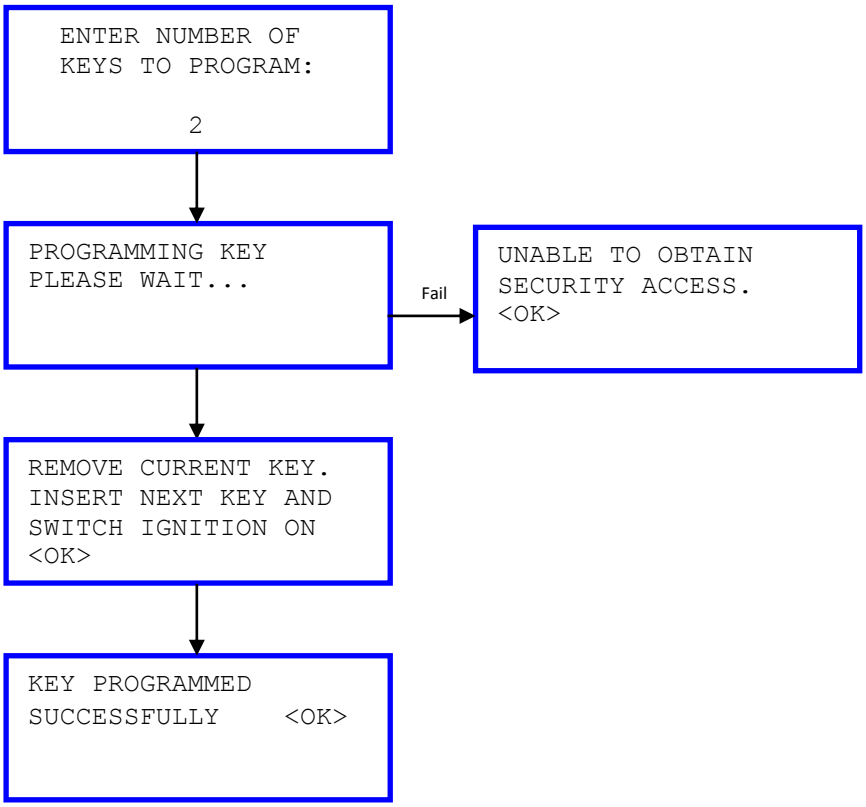
.

Colt 2003 Onwards Remotes are coded at the same time as the key.

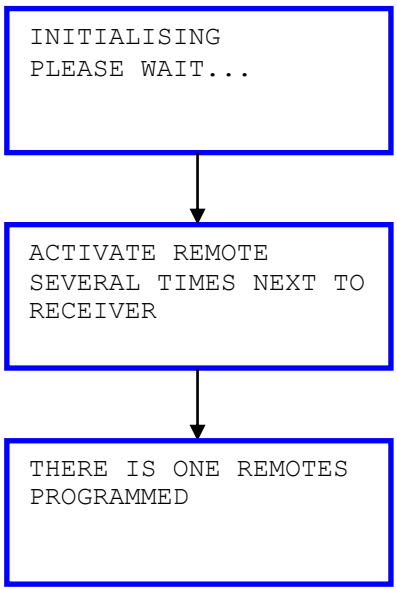
Mitsubishi Software flow chart



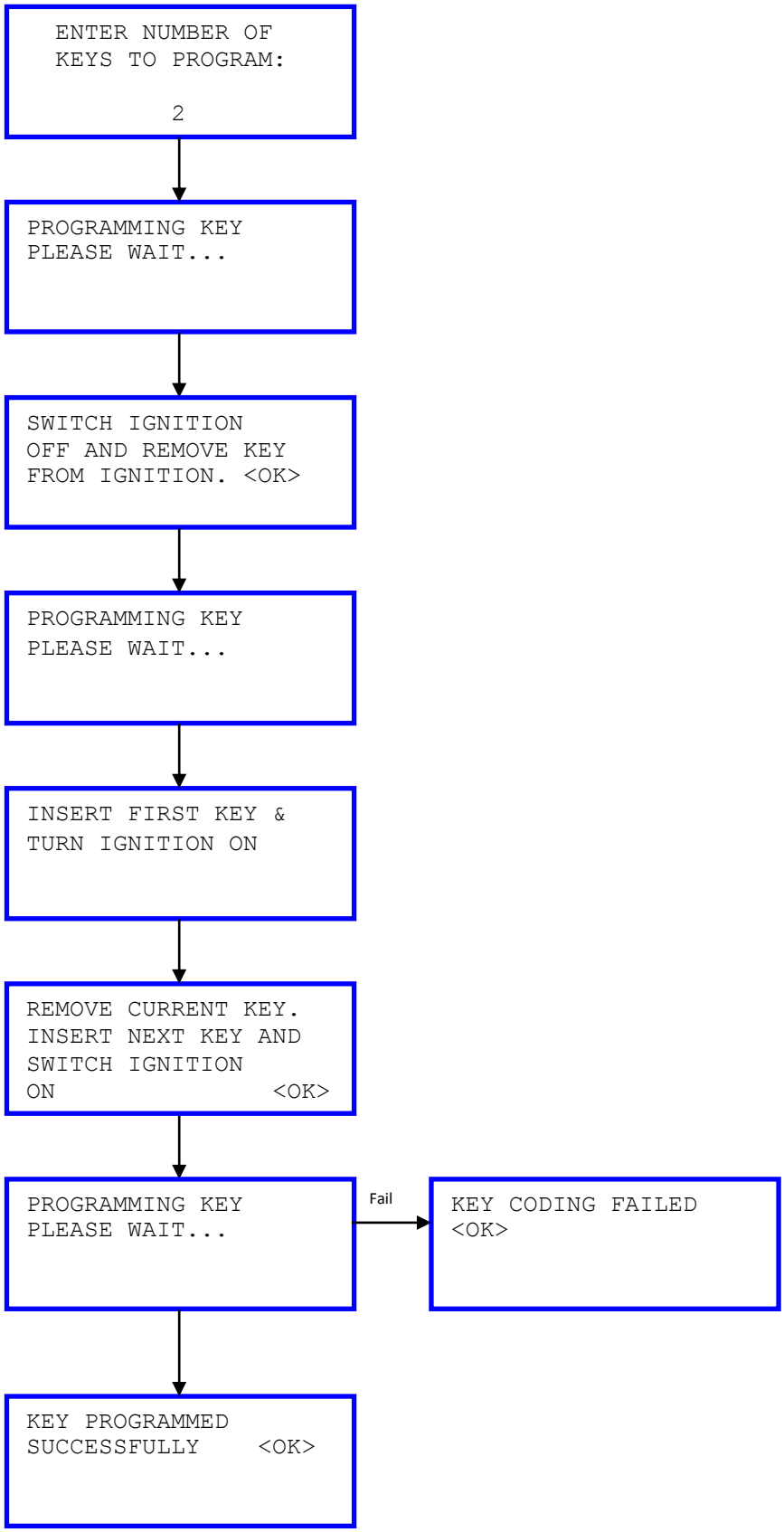
Mitsubishi L200 Software flow chart



Mitsubishi L200 Remote Software flow chart



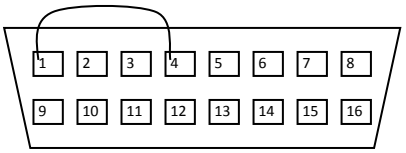
Mitsubishi Colt 2003 Onwards Software flow chart



Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly. Maximum of 2 Remotes can be programmed*

- Connect a link wire between Pin 4 and Pin 1 on the J1962 Connector
- Close all Doors
- Turn Ignition to ACC position and the back to Off 3 Times with in 10 Seconds
- Doors Should lock then unlock
- Press remote control lock or Unlock button once
- Press remote control lock or Unlock button twice within 10 Seconds
- Doors Should lock then unlock
- Repeat for Second Remote



J9162 Connector Vehicle Side

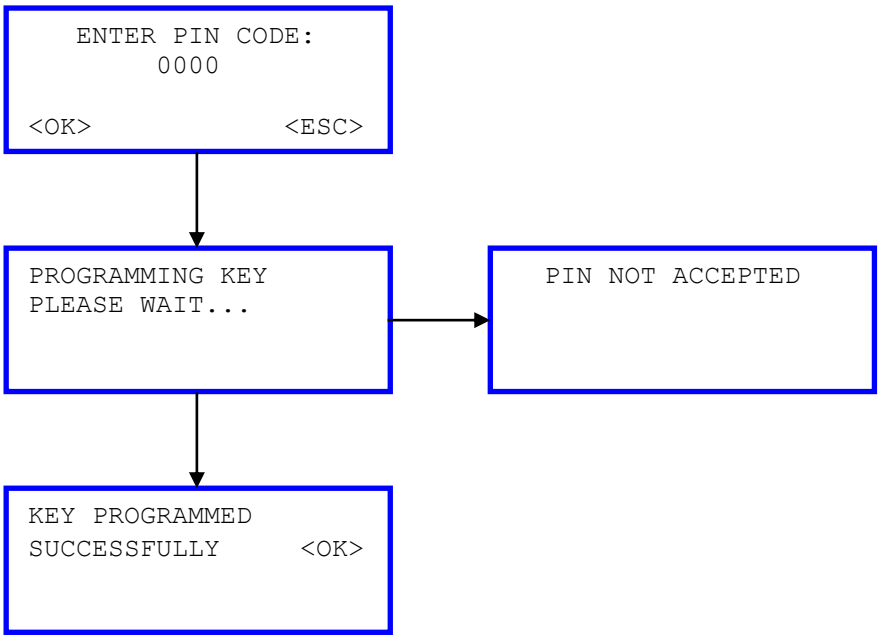
NISSAN

Introduction

The iKeys software supports the Nissan NATS5 immobiliser system, A 4 digit pin code is required to program keys for this system, and this is supplied with the vehicle, however if the Immobiliser label has a large letter A on it then the PIN is fixed to 5523.

Note. *Not all keys need to be present, as programming a key is adding that key to the system. The removal of all of the keys is a separate function in the iKEYS software menu.*

NATS 5 Software flow chart



Key Fob Programming Procedure (Remote)

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly. Maximum of 4 Remotes can be programmed*

- To enter programming mode
- Switch Ignition “ON” and “OFF” 6 times within 10 Seconds
- After 2 Seconds the indicators will flash two times
- Programming mode is active for 2 minutes.

To Programme remotes

- Press and Hold “Unlock” button
- Press “Lock” button 3 times
- Release “Unlock” button
- Indicators will flash once to conform programmed correctly
- Repeat for all remaining remotes
- If 4 remotes have been programmed the indicators will flash 3 times
- If Less than 4 remotes programmed Switch Ignition On, Indicator lights will flash twice.
- Check Operation of all remotes

Typical NATS5 Key

LandRover

Introduction

The iKeys software supports the Immobiliser on CAN Protocol for Landrover vehicles using the CAN harness (30214100 or 302141V2) and the Landrover uniplexer (30215370)

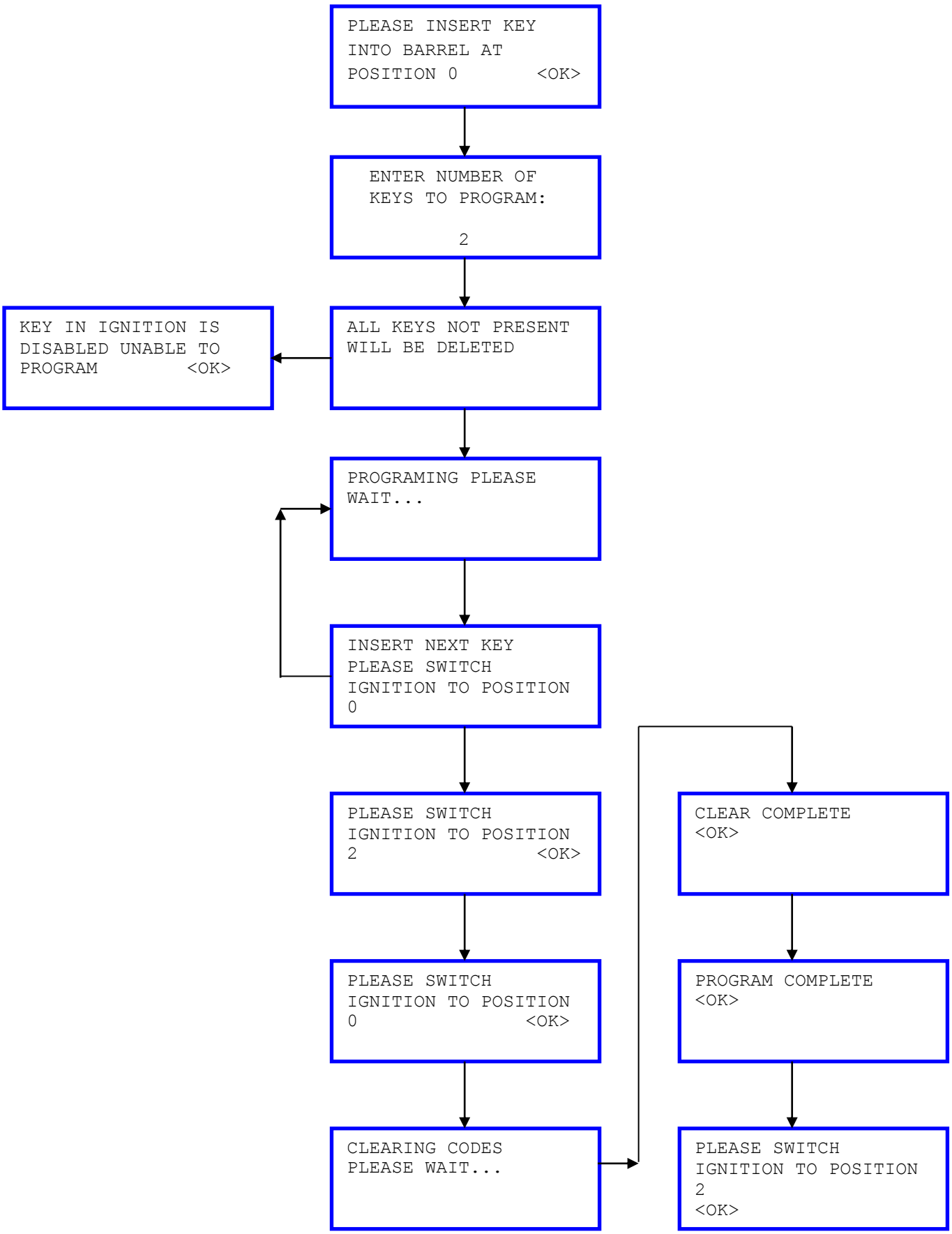
No security pin is required; However a Programmed key or New “Virgin” Key is required to start the programming process.

Remotes are Programmed Diagnostically.

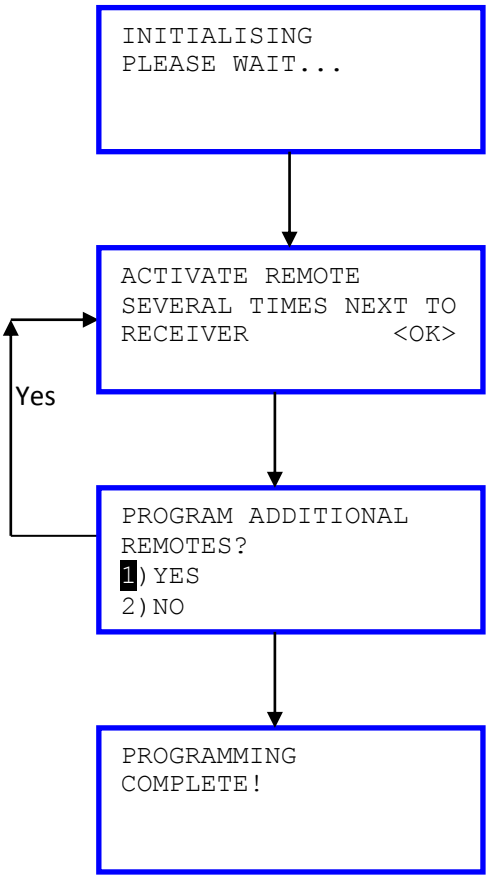
Freelander CCU Plips Programming requires all Plips to be present when programming, any not present will be erased from the vehicle. No Security pin is required.

.
Note. *All keys need to be present; any key not present will be erased from the system.*

LandRover Software flow chart



LandRover CCU Software flow chart



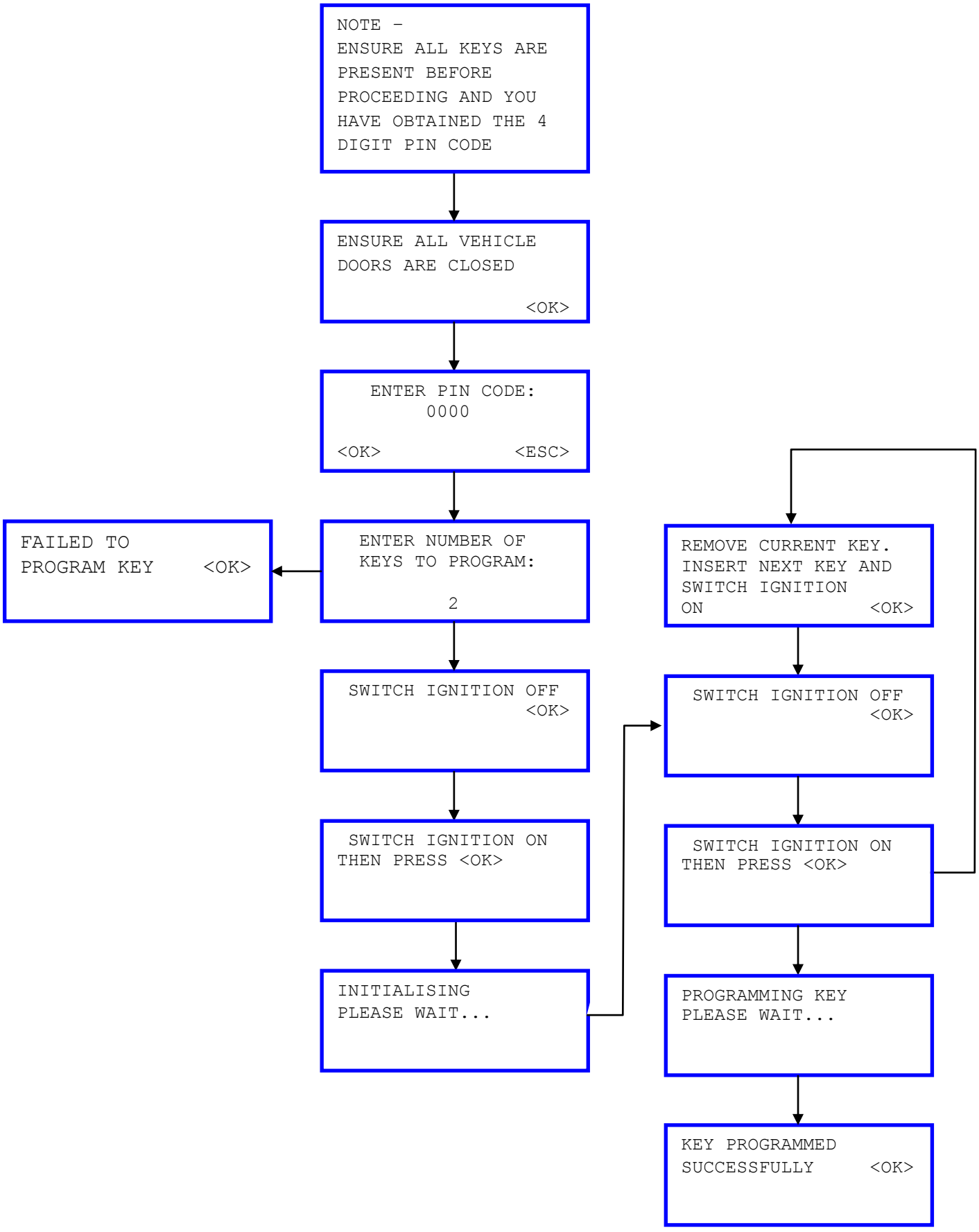
PSA

Introduction

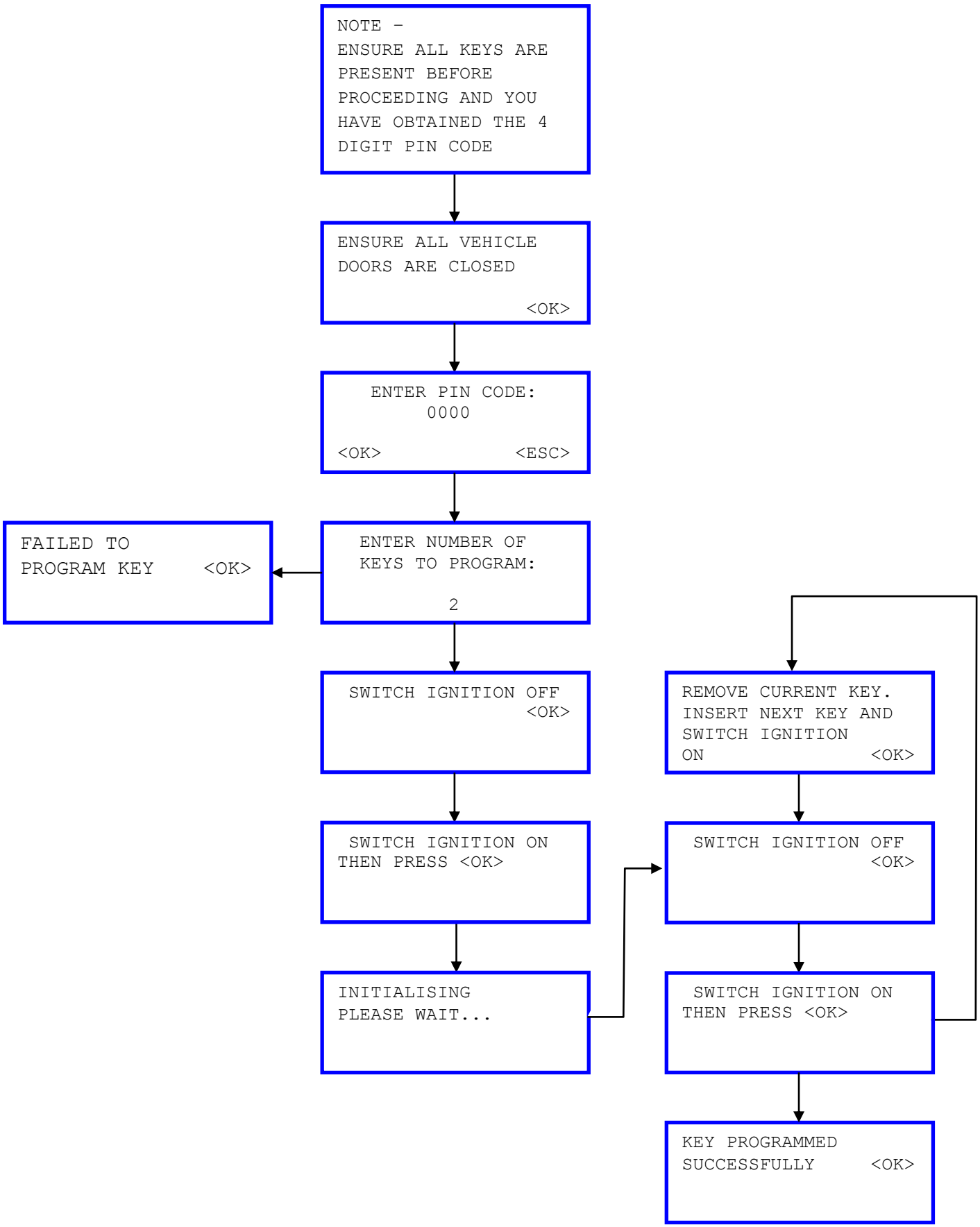
There are 3 different types of immobiliser systems that are used across the PSA range.
These consist of the Standard Immobiliser System (Immo), the Passenger compartment protection control unit (CPH) and the Body systems interface (BSI).

PSA Software flow chart

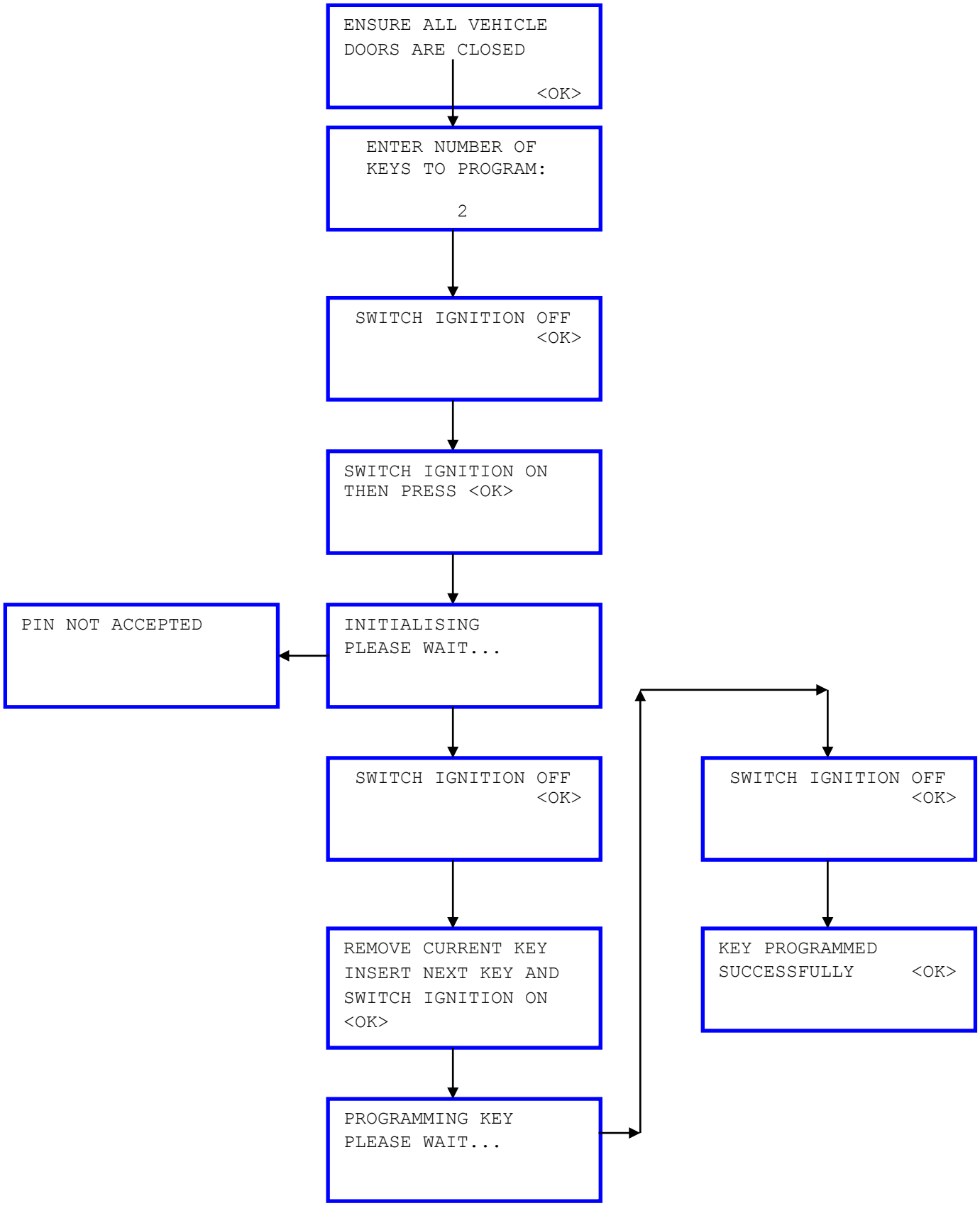
BSI-1



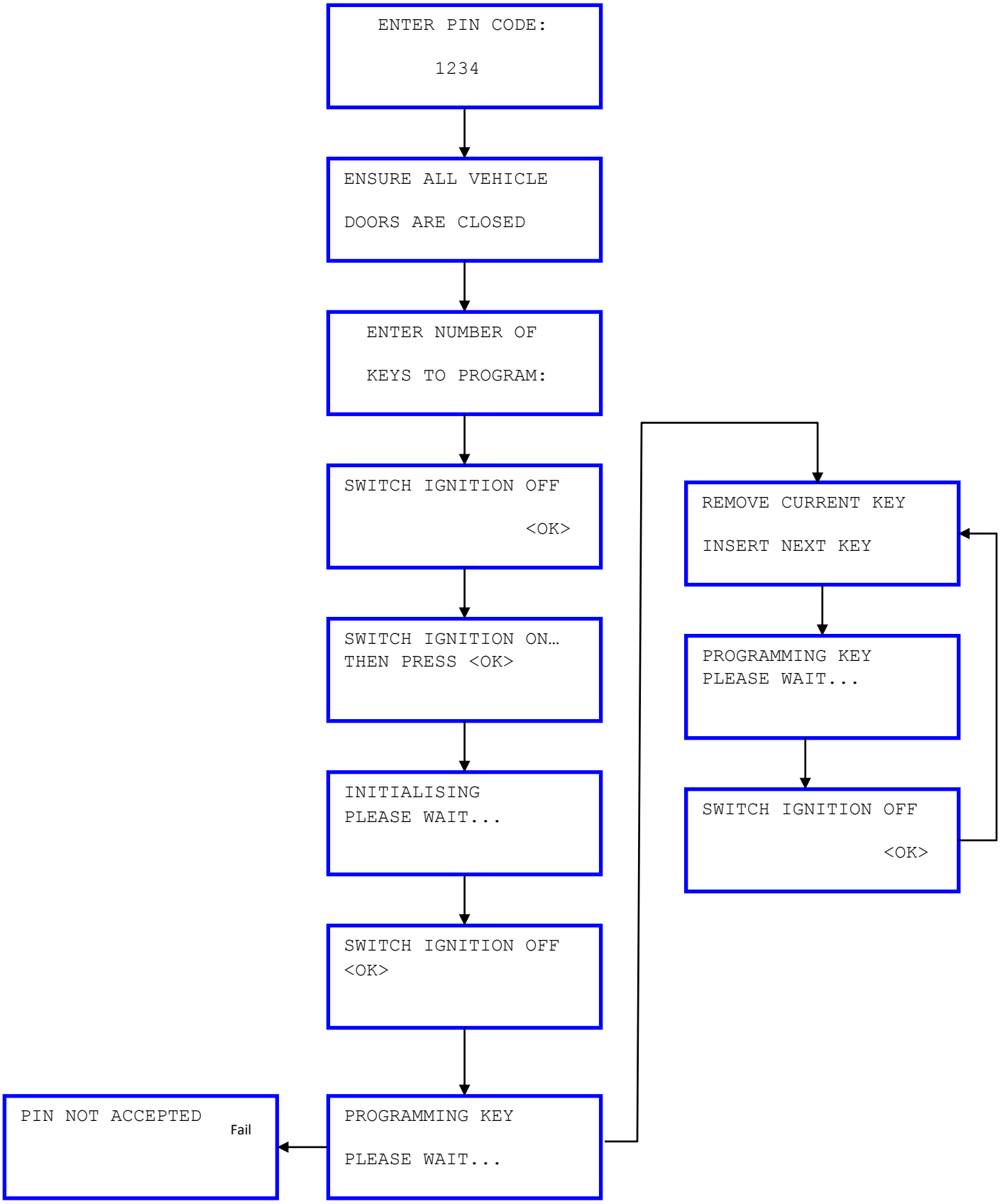
PSA Software flow chart
BSI-2, BSI-3 & BSI-4 systems, CAN Bsi



PSA Software flow chart
"Old" BSI



PSA Software flow chart
Immo 1



Key Fob Programming Procedure (Remote)

Citroen	Saxo	99-03
Peugeot	106	99-03

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Unlock the vehicle using the key
- Within 30 seconds, press key fob “lock” button twice

Typical 2-button key fob

- Key fob is re-initialised.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.
- Repeat above procedure to re-initialise any remaining key fobs.

Citroen	Xsara Picaso	99 on
Peugeot	306	01 on
Citroen	C3	02 on
Citroen	Belingo	02 on
Peugeot	306	93-97

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
- Press and hold the “Lock” button on the key fob for 10 seconds.

Typical 2-button key fobs

- Release the lock button

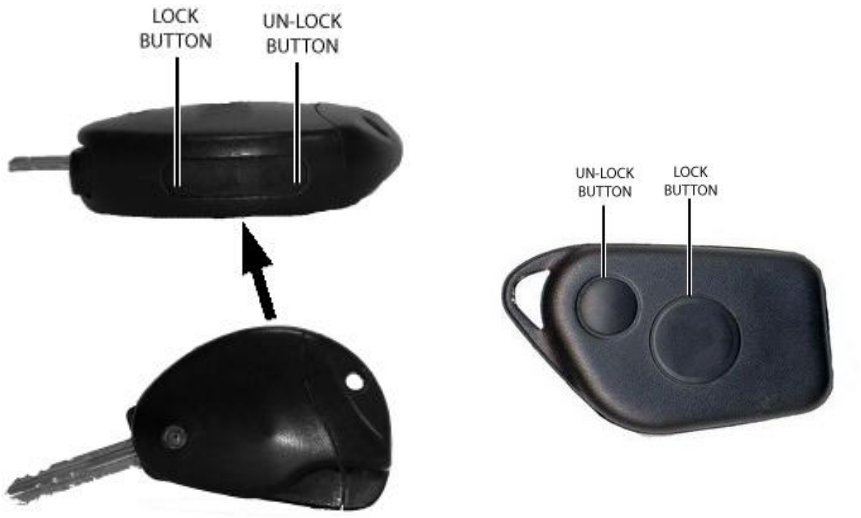
- Switch the ignition to the “OFF” position
- Wait for approximately 5 seconds
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Citroen	Xsara	97-00
Citroen	Xantia	98-01
Citroen	Synergie	97-02
Citroen	Evasion	97-02
Citroen	Dispatch	98 on
Citroen	Jumpy	98 on
Peugeot	806	98-02
Citroen	Belingo	98-02

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
  - Wait for alarm system LED to turn “OFF” (if LED fitted) or wait for approximately 10 seconds (If LED not fitted)
  - Within 30 seconds: Press either the “Lock” or “Un-lock” button on the key fob.



Typical 2-button key fobs

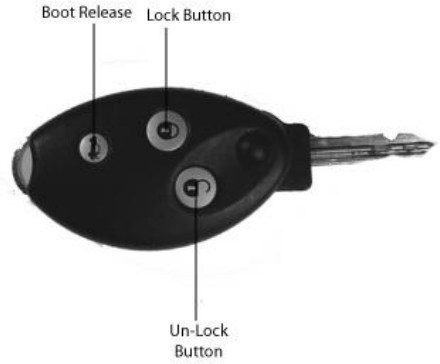
  - Within 10 seconds: Press either the “Lock” or “Un-lock” button on the key fob.
  - Ensure alarm system LED (if fitted) turns “ON” for a split second.
  - Key fob is re-initialised.
  - Repeat above procedure to re-initialise any remaining key fobs.
  - Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Citroen	Xsara	00-06	Citroen 4
Citroen	C5	00-04	Citroen 4

Re-initialising Procedure

Note. *If battery is replaced inside key fob / key fob has been re-programmed or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
- Press and hold the “Lock” button on the key fob for approximately 10 seconds



Typical 3-button key fob

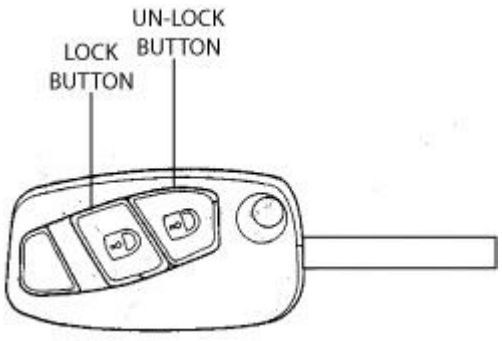
- Release the lock button
- Switch the ignition to the “OFF” position
- Wait for approximately 3 seconds
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Citroen	Relay	02 on	Citroen 7
Citroen	Jumper	02 on	Citroen 7

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
- Press and hold the “Lock” button on the key fob for approximately 10 seconds



Typical 2-button key fob

- Release the lock button
- Switch the ignition to the “OFF” position
- Wait for approximately 5 seconds
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Peugeot	206	98-00	Peugeot 2

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Unlock the Drivers door using the key
- Press and hold the “Lock / Unlock” button on the key fob until the LED on the key fob stops flashing.

Typical single button key fob

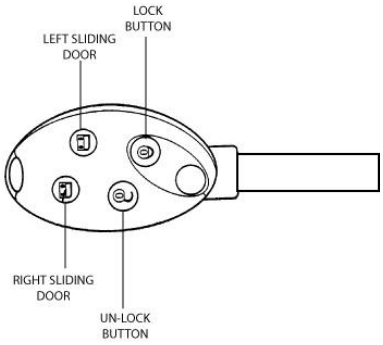
- Release the “Lock / Unlock” button on the key fob
- The LED on the key fob should remain illuminated
- Press and release the “Lock / Unlock” button on the key fob.
- The LED on the key fob should turn “OFF”
- Open the driver’s side door and sit in the driver’s seat.
- Close the driver’s side door
- Hold the key fob next to the ignition switch
- Press and release the “Lock / Unlock” button on the key fob
- Switch the ignition to the “ON” position
- Wait 10 seconds
- Switch the ignition to the “OFF” position
- Wait 5 seconds
- Key fob is re-initialised.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.
- Repeat above procedure to re-initialise any remaining key fobs.

Peugeot	807	00 on	Peugeot 12

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position using the key fob to be programmed
- Press and release the “Lock button” on the key fob



Typical 4–button key fob

- Switch the ignition to the “OFF” position
- Key fob is re-initialised
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Peugeot	206	01 on	Peugeot 3
Peugeot	307	01 on	Peugeot 3
Peugeot	406 / Coupe	01-06	Peugeot 3

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Unlock the Drivers door using the key
- Press and hold the “Lock / Unlock” button on the key fob
  The LED on the key fob should start to flash

Typical single button key fob

- Wait for approximately 20 seconds and then with the “Lock / Unlock” button still held, press and release the double locking button on the key fob.
- The LED on the key fob will stop flashing
- Release the “Lock / Unlock” button on the key fob
- The LED on the key fob will remain illuminated
- Press and release the “Lock / Unlock” button on the key fob
- The LED on the key fob will turn “OFF”

- Open the driver's side door and sit in the driver's seat.
- Close the driver's side door
- Hold the key fob next to the ignition switch
- Press and release the "Lock / Unlock" button on the key fob
- Switch the ignition to the "ON" position
- Wait 10 seconds
- Switch the ignition to the "OFF" position
- Wait 5 seconds
- Key fob is re-initialised.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.
- Repeat above procedure to re-initialise any remaining key fobs.

Peugeot	306	97-00	Peugeot 5

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Unlock the Drivers door using the key
- Press and hold the "Lock / Unlock" button on the key fob
  The LED on the key fob should start to flash

Typical 2-button key fob

- Wait for approximately 20 seconds and then with the "Lock / Unlock" button still held, press and release the double locking button on the key fob.
- The LED on the key fob will stop flashing
- Release the "Lock / Unlock" button on the key fob
- The LED on the key fob will remain illuminated
- Press and release the "Lock / Unlock" button on the key fob
- The LED on the key fob will turn "OFF"
- Open the driver's side door and sit in the driver's seat.
- Close the driver's side door
- Hold the key fob next to the ignition switch
- Press and release the "Lock / Unlock" button on the key fob
- Switch the ignition to the "ON" position
- Wait 10 seconds
- Switch the ignition to the "OFF" position
- Wait 5 seconds
- Key fob is re-initialised.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.
- Repeat above procedure to re-initialise any remaining key fobs.

Peugeot	406 / Coupe	98-00	Peugeot 8

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Ensure ignition switch is in the “OFF” position

Note. *Vehicles fitted with double locking systems:*
Press both the “Lock / Unlock” and “Double locking” buttons on key fob together when carrying out the following procedure.

- Press and hold the “Lock / Unlock” button on the key fob until the LED on the key fob turns “OFF”

Typical 2-button key fob

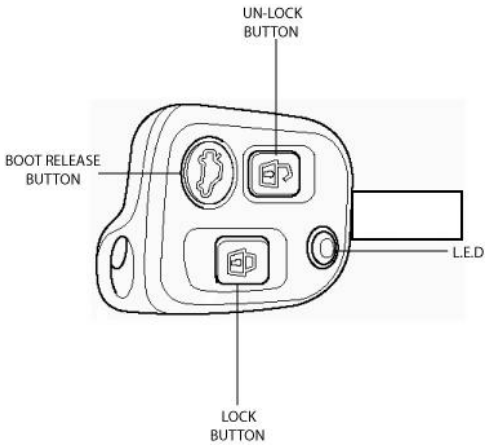
- Release the “Lock / Unlock” button on the key fob
- LED on key fob remains illuminated
- Press the “Lock / Unlock” button twice on the key fob
- Switch the ignition to the “ON” position
- Switch the ignition to the “OFF” position
- Wait 5 seconds
- Key fob is re-initialised
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Peugeot	607	00 on	Peugeot 9

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
- Press and hold the “Lock” button on the key fob for 10 seconds



Typical 3-button key fob

- Switch the ignition to the “OFF” position
- Remove key from ignition switch
- Wait 5 seconds
- Key fob is re-initialised
- Repeat above procedure to re-initialised any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Peugeot	Partner	98 on	Peugeot 13

Re-initialising Procedure

Note. *If battery is replaced inside key fob / key fob has been re-programmed or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
  - Wait for alarm system LED to turn “OFF” (if LED fitted) or wait for approximately 10 seconds (If LED not fitted)
  - Within 30 seconds: Press either the “Lock” or “Un-lock” button on the key fob.

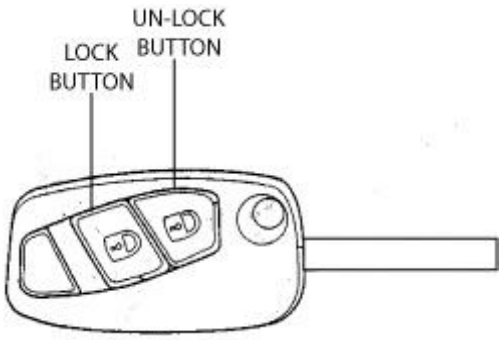
Typical 2-button key fob

- Ensure alarm system LED (if fitted) turns “ON” for a split second.
- Switch the ignition to the “OFF” position
- Remove key fob from ignition switch
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Switch the ignition to the “ON” position
  - Press and hold either the “Lock” or “Unlock” button on the key fob for approximately 10 seconds



Typical 2-button key fob

- Release the button on the key fob
- Switch the ignition to the “OFF” position
- Remove key from ignition switch
- Key fob is re-initialised.
- Repeat above procedure to re-initialise any remaining key fobs.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

BSI Wake-Up procedure
BSI activation

The BSI can be woken up by activating certain functions i.e key Fob, opening a door, switching on the radio or opening the bonnet. When woken, it switches to full operating mode.

On switching the ignition off it continues working for up to 2 minutes and then shuts itself down progressively taking a further 1 minute to enter 'Standby'/'Power Save' mode. If however the driver switched on a consumer with the engine not running, the BSI stays awake for thirty minutes (Economy Mode).

Anything which interrupts the BSI's shut down operation can cause the problems mentioned in the above introduction.

This is the reason for the 3 minute Wait time before disconnecting the battery.

Procedure for Battery Disconnection (The 3 minute rule)

1. Whenever a vehicle battery has to be disconnected, switch off all equipment interior lights etc. close the doors leaving the driver's window down.

2. Switch off the ignition and remove the key and any diagnostic equipment if connected.

3. **Wait 3-minutes** before disconnecting the battery.

The BSI must be allowed to go to sleep i.e into 'Power Save' mode. Do not operate any equipment on the vehicle during this time. Remember, even opening the bonnet will wake up the BSI on the vehicle fitted with an alarm.

Procedure for Battery Reconnection

Ensure that the procedure for battery disconnection has been adhered to and importantly all BSI functions were switched off with the driver's window left down.

1. Close all doors on the vehicle.

2. Remove the ignition key if left in the ignition.

3. Reconnect the battery.

4. Wait 10 seconds.

5. Switch on the headlights through the driver's window. You will hear a 'Bong'.

6. Switch on the ignition then start the vehicle and check systems are functioning correctly.

Renault
Introduction

The Renault's immobiliser system use a security code to access the Key programming procedures. Depending on the system this could be either 4, 8 or 12 digit security code and some vehicles may use an alpha-numeric security coding system. The security code can normally be found at the front of the service book, but failing this, the local Renault main dealer will supply you with this information for a nominal fee.

All vehicles are fitted with a immobiliser LED system display light that indicates the status of the security system.

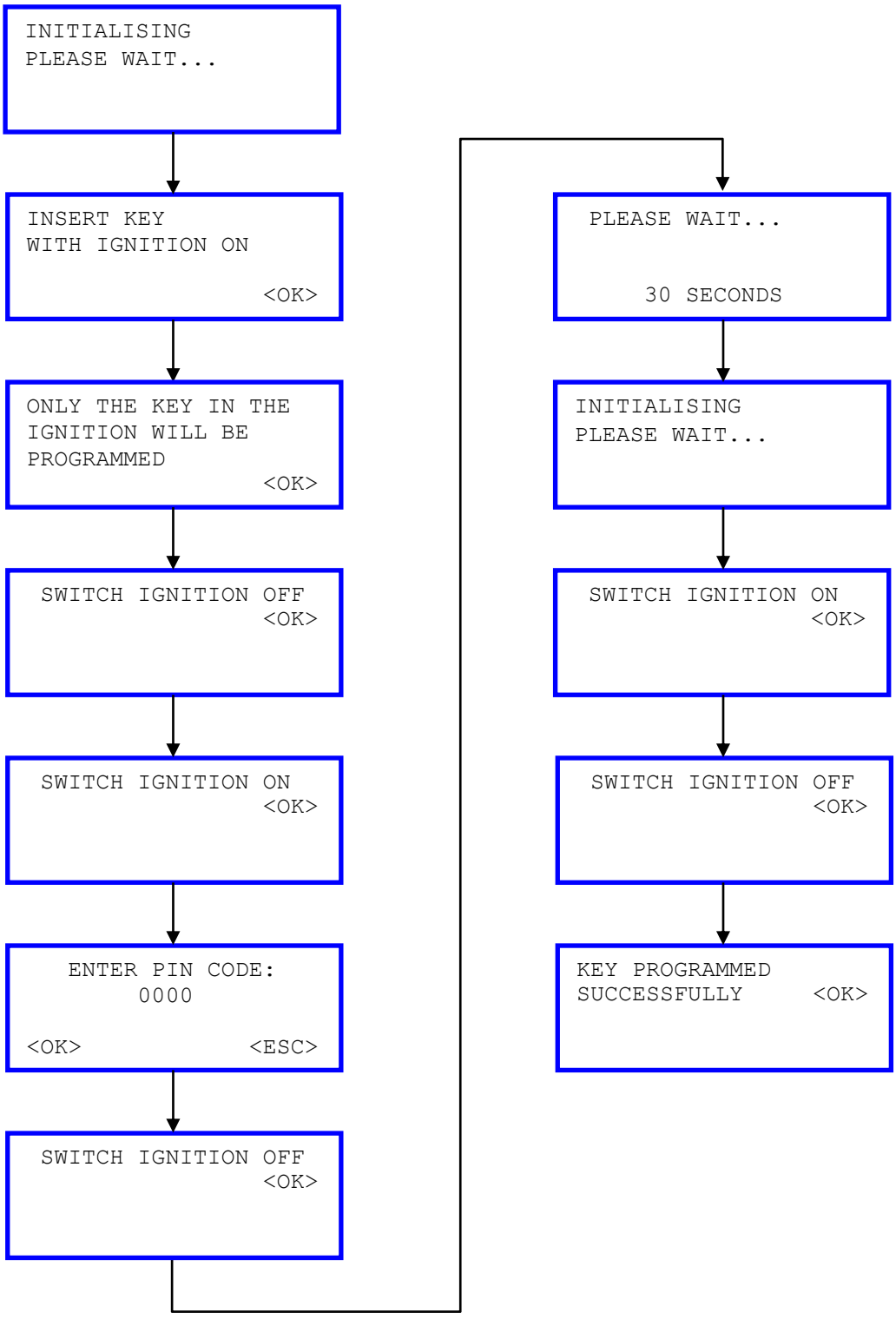
There is a maximum number of keys that are able to be programmed to the vehicle, but this is dependant on the immobiliser system, but in general it varies between four and eight keys.

Early Megane and Megane Scenic's with a IR Central locking has a Manual Process for Programming Keys

Note. *Not all keys need to be present as programming a key is adding that key to the system.*

Program Keys Software Flow chart

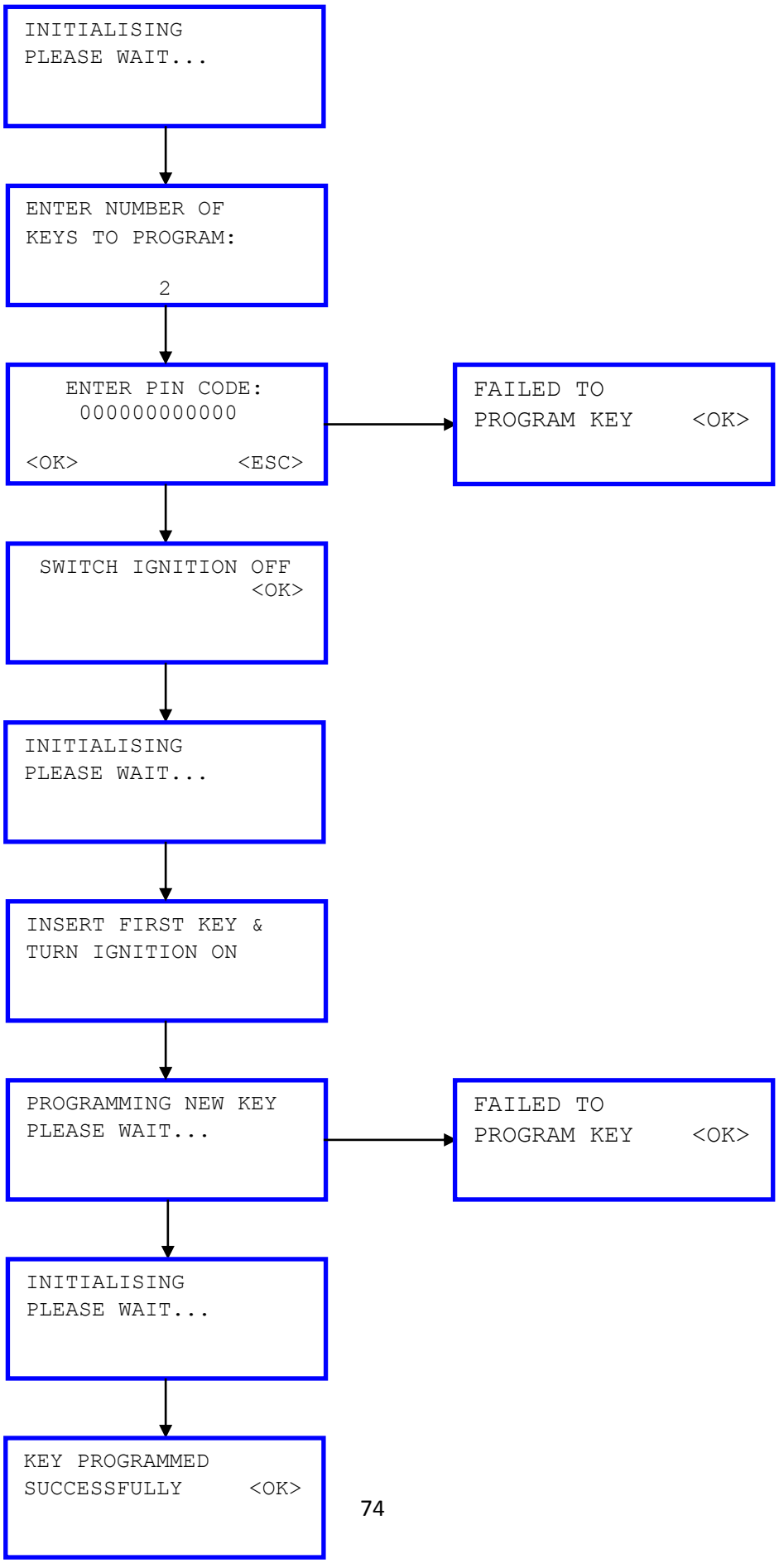
Clio 1, Kangoo 1, Laguna 1, Master 1



Note. *There is no checking facility on the vehicle's immobiliser system to verify that the security code is correct. Please ensure you have entered the correct security code for the vehicle.*

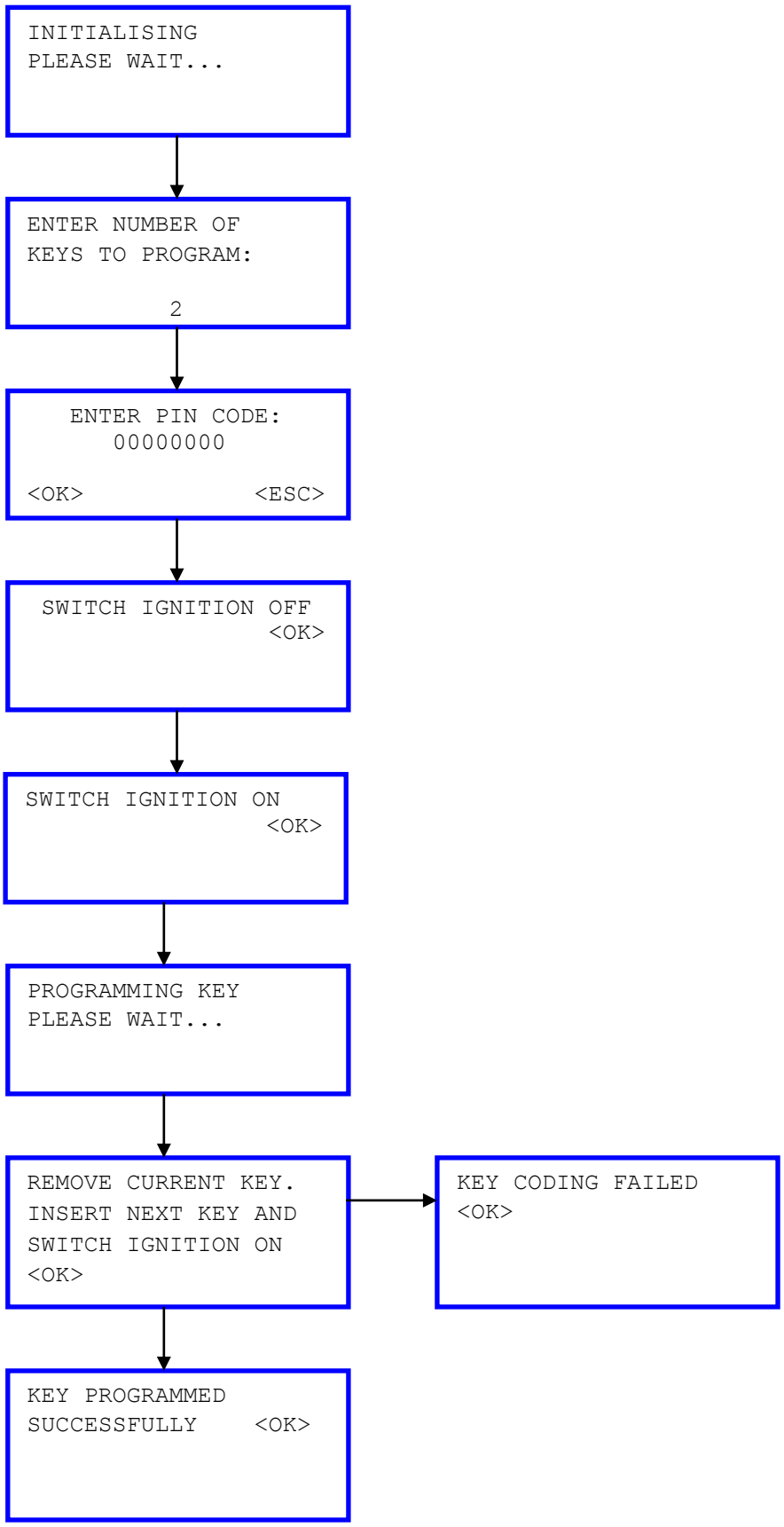
Program Keys Software Flow chart

Clio 2, Espace, Kangoo 2, Laguna 2, Master 2, Traffic 2



Program Keys Software Flow chart

Megane 1, Scenic 1



Program Keys Manual Process

Megane 1, Scenic 1

1) Switch on the ignition

2) Press hold the central locking button on the dash, Immobiliser led starts to blink slowly

3) Count the blinks to enter the unlock code number, after the required number of blinks has been counted,
that represent the individual number, make a short pause, then enter the next

4) Once the 4th number has been entered, the immobiliser LED will stay on for a few seconds, then go off, turn the ignition off, then press and hold the central locking button, the doors will lock and then unlock and the LED will stay on for a few seconds, during this time aim the plip key at the sensor and keep pressing until the doors lock and then unlock again.

The car should have now programmed the key code.

5) Press and hold the central locking button to complete programming (doors will lock and then unlock).

If you have no central locking button on the dash/centre consol, follow the above procedure but use the accelerator pedal, to start the sequence, and after each number has been input, press the button on the end of the wiper stalk

Key Fob Programming Procedure (Remote)

Twingo	95 on
Clio	94-97
Extra	95-02
Rapid	95-02
Express	95-02
Kangoo	97 on
Scenic	96-01

19	93-96
21	92-95
Laguna	94-00
Safrane	93-01
Espace	95-01
Trafic (petrol)	95-02
Master	97-02

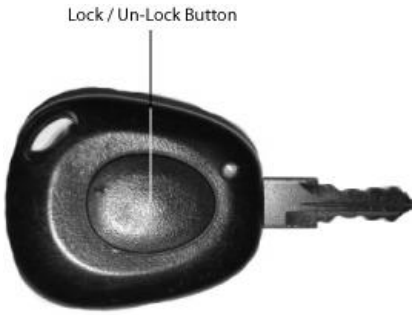
Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

Renault key fobs are usually fitted with a serial number which is located under the cover inside the key fob and can be viewed after removing fixing screw.

Note. *Only key fobs fitted with an 8 character serial number can be programmed manually. Key fobs with a 5 character serial number – do not require programming.*
All other variations on the number of characters used for the serial numbers require diagnostic equipment to program the key fobs.

- Ensure the ignition switch is “OFF”
- Press and hold in the central locking button inside the vehicle for a minimum of 5 seconds
- Vehicle doors should “Lock” and then “Unlock”
- Within the next 10 to 15 seconds:
    - On the first key fob: Press the “Lock / Unlock” button twice (can be once on some models)



Typical Renault key fob

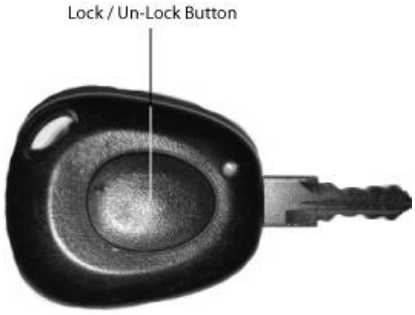
    - On the second key fob: Press the “Lock / Unlock” button twice (can be once on some models)
- Vehicle doors should “Lock” and then “Unlock”
- Key fobs are re-programmed.
- Confirm operation of key fob by locking and unlocking vehicle using key fob buttons.

Clio II	98 on

Re-initialising Procedure – Radio frequency key fobs only

Note. *If key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Ensure the ignition switch is “OFF”
- Press and hold in the central locking button inside the vehicle for a minimum of 5 seconds
- Vehicle doors should “Lock” and then “Unlock”
- Immobiliser LED illuminates
- Press the “Lock / Unlock” button on the key fob



Typical Renault key fob

- Immobiliser LED turns “OFF”
- Key fob is re-programmed.
- Repeat above procedure for the second key fob
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Replacement key fobs can only be programmed using diagnostic equipment
- Refer to the iKEYS software for further information.

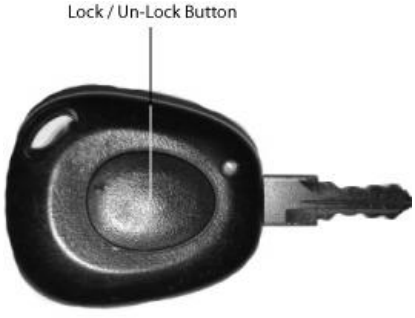
Note. *A maximum of 2 key fobs can be programmed to the vehicle.*

Megane	95-01

Re-initialising Procedure – Radio frequency key fobs only

Note. *If key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Press and hold the “Lock / Unlock” button on the key fob for more than 10 seconds.



Typical Renault key fob

- The red LED should extinguish.

- Point the remote at the car and press the “Lock / Unlock” button on the key fob 3 times.
- Confirm the remote locks and unlocks the central locking system

Programming Procedure

Note. *If the central locking / alarm system is malfunctioning or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

- Replacement key fobs can only be programmed using diagnostic equipment
- Refer to the iKEYS software for further information.

Note. *A maximum of 2 key fobs can be programmed to the vehicle.*

Rover

Introduction

The method in which the Rover key programming is performed on these vehicles is slightly different, as it is the remote key fob (also known as the PLIP) that is programmed and not the actual key itself.

The PLIP is used to arm or disarm the alarm on the vehicle (depending on the system fitted) and also activate the vehicle's central locking system.

The coverage for these vehicles is dependant on the iKEYS software ability to extract the randomly generated Emergency Key Access code (EKA) that is used to enable and disable the immobiliser / alarm system. This is useful to permanently disable the immobiliser/alarm for a length of time.

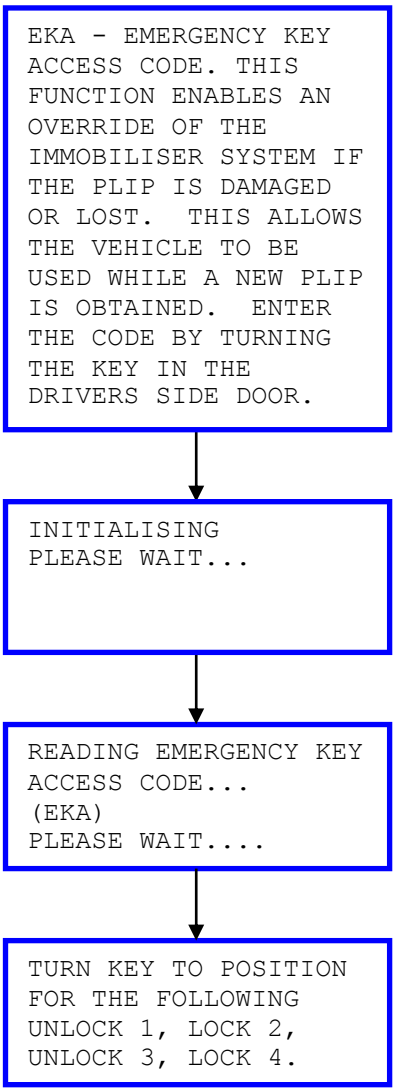
After 3 failed attempts the system will not let you attempt this procedure again for 10 minutes (30 minutes for Land Rover).

The other function on the iKEYS software enables you to program a new PLIP to the vehicle.
This is useful when the original PLIP has been broken or lost.

Immobiliser Matching – 5AS
This function is for matching a replacement Immobiliser unit to the Engine ECU, The Plips must first be coded to the 5AS unit, and then the immobiliser can then be matched to the Engine ECU.

Pektron BCU
The Immobiliser must be disabled before communication can be made with the Pektron ECU.
Any remote not present will be erased. Please Record the EKA as failing to program any remotes may result in the vehicle being immobilised and the only way to disable the immobiliser is with the EKA code. Only Existing remotes and 'New' remotes supplied with the 22 digit barcode can be programmed (remove first and last digit of code when prompted).

Read EKA Code flow chart



1. Insert the ignition key into the drivers side door lock.

2. Turn and hold the key clockwise to the locking position (the doors will lock) for at least 5 seconds.

3. Return the key to a central upright position.

4. Enter the First Digit - Turn the key fully, anticlockwise to the unlock position (the doors will unlock) then back to the central position. This should be done the amount of times as the first digit of the EKA Code.

5. Enter the second digit - Turn the key fully, clockwise to the lock position then back to the central position for the number of times of the second digit of the EKA Code.

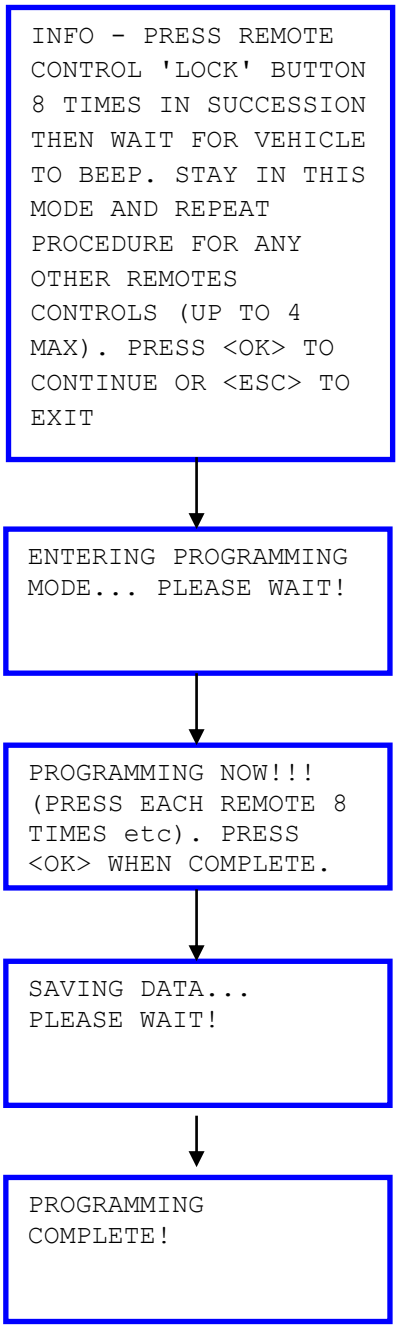
6. Enter the third digit - Turn the key fully, anticlockwise to the unlock position then back to the central position. This should be done the amount of times as the third digit of the EKA Code.

7. Enter the fourth digit - Turn the key fully, clockwise to the lock position again then back to the central position. This should be done the amount of times as the fourth digit of the EKA Code.

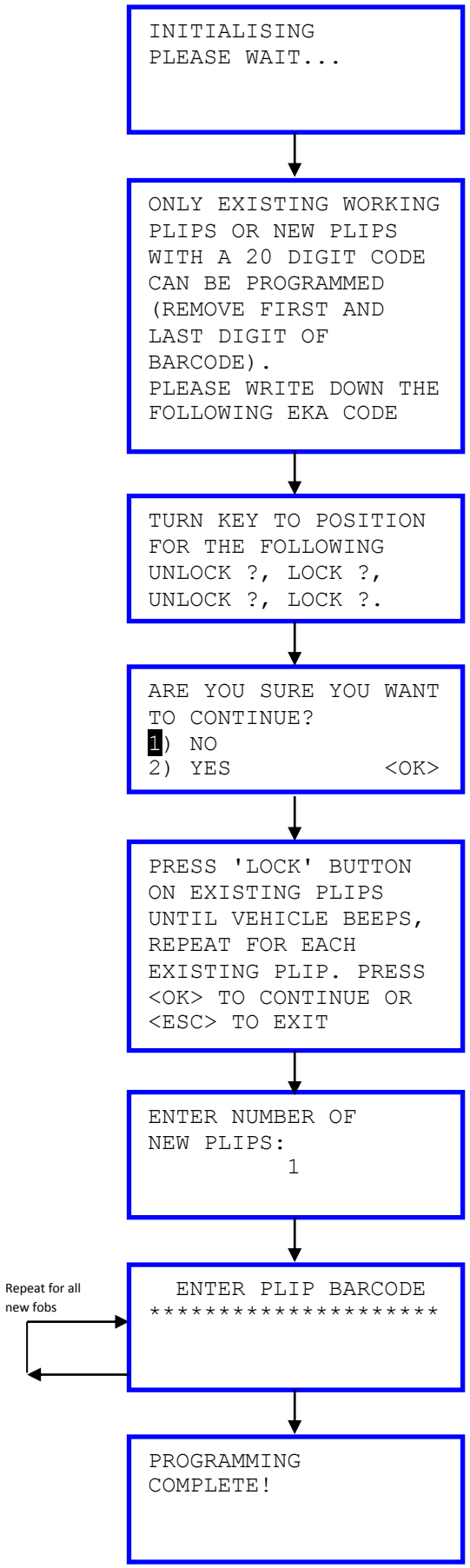
8. Once this has been completed turn the key to the unlock position then back to the central position once.

If the code has been entered correctly, open the door and the red flashing LED light on the dashboard will stop. You will now be able to start the vehicle.

5AS Program Remote flow chart



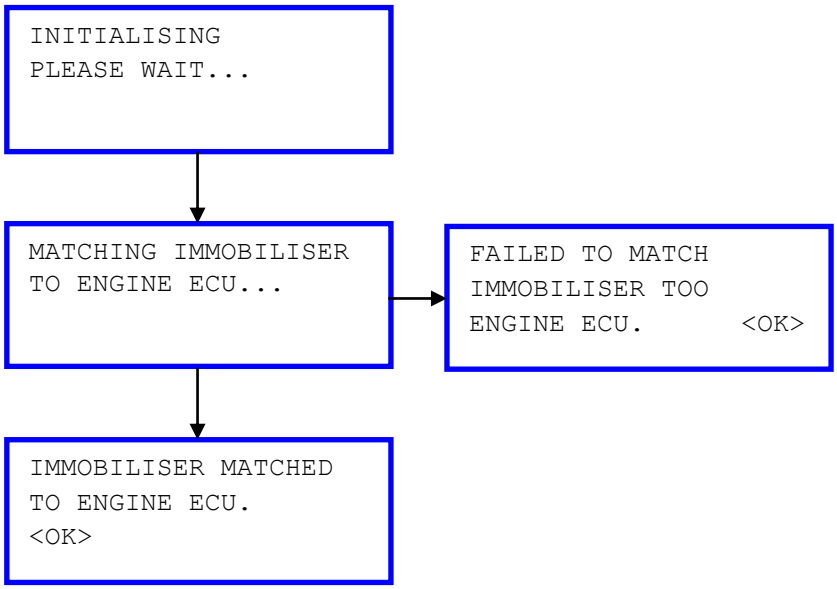
Pektron Program Remote flow chart



Select No if you only require the EKA code and do not want to code a remote

Immobiliser matching flow chart

5AS Immobiliser fitted to Mems 2J & Mems 3 Engine systems.



KeyFob Programming Procedure (Remote)

Re-initialising Procedure

Note. *If battery is replaced inside key fob or if key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative, carry out the following re-initialising procedure.*

- Manually “Unlock” the vehicle using the key
- Ensure all of the doors, Bonnet and Boot are all closed and both front doors are unlocked.
- Hold the remote key fob close to the vehicle
- Press the “Padlock” or “Dimpled” button on the key fob button 4 times or more in quick succession, until the vehicle locks are enabled.

Typical 2-button key fobs

- Key fob is re-initialised.
- Repeat above procedure for all remaining key fobs
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

3AS Manual Coding

Manual procedure for Programming 3AS Plips

* The system must be disabled, Switch ignition on the off within 3 seconds

* Open the boot and leave it open

* Switch ignition on the off within 3 seconds

* The Horn Should beep and Alarm LED should come on it indicate that you have entered programming mode

* Press the button on Each Plip you wish to program, the Alarm LED should flash to indicate a success for each plip.

* Once all Plips have been programmed switch The Ignition on to complete this process

SAAB

Introduction

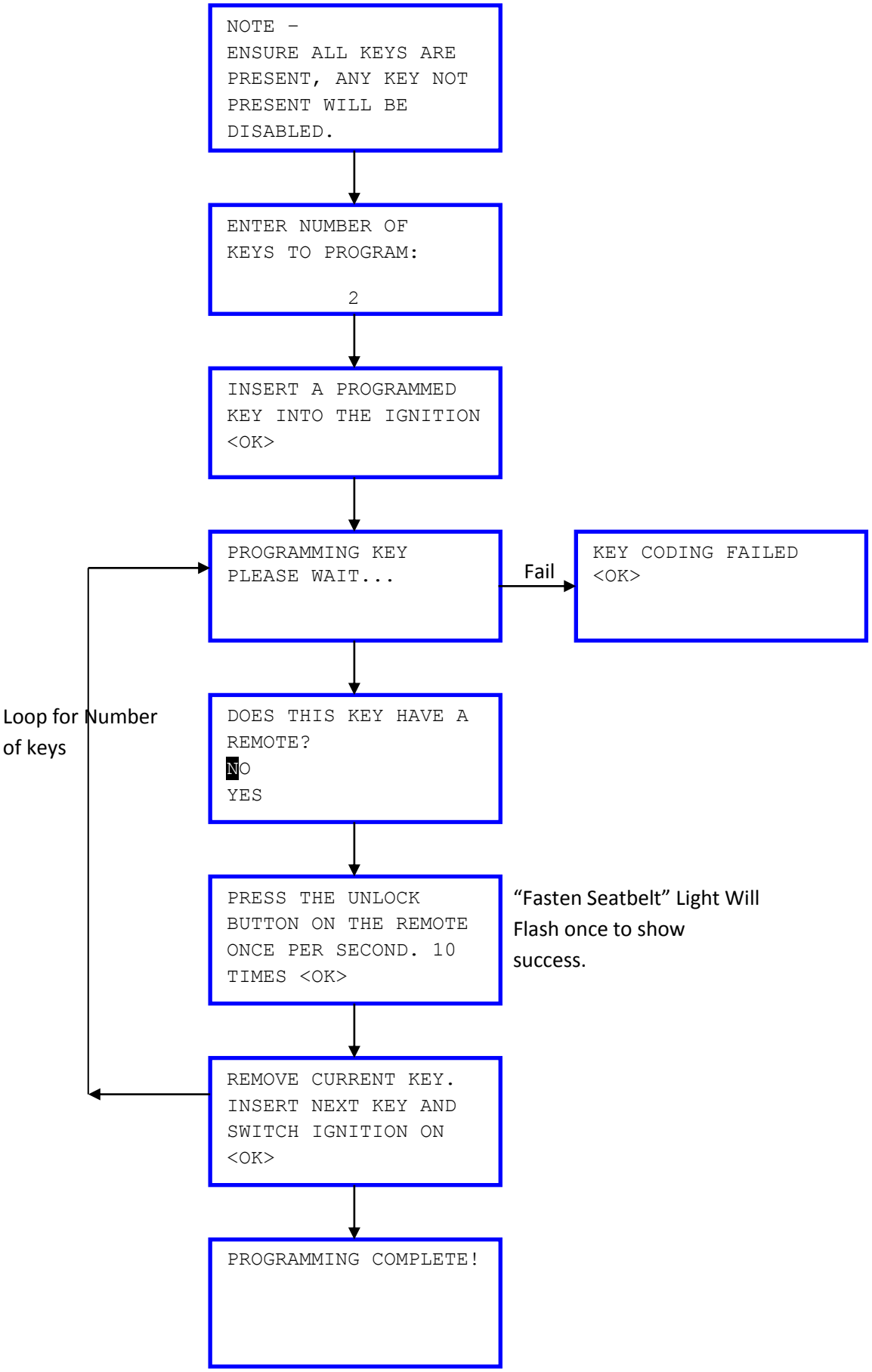
No security pin is required; However a Programmed key is required to start the programming process.

Remotes are Programmed Diagnostically.

.

Note. *All keys need to be present; any key not present will be erased from the system.*

SAAB Software flow chart

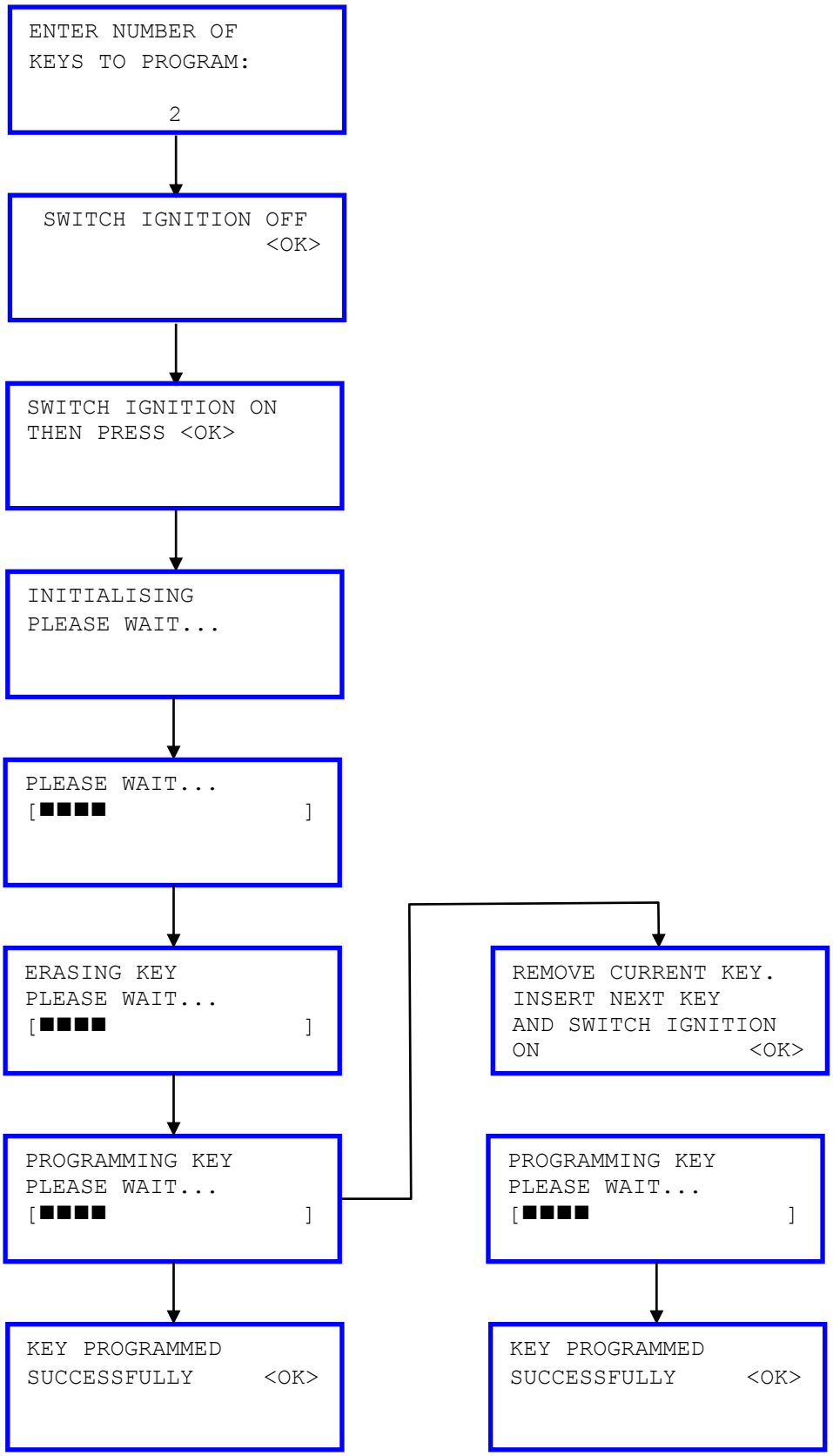


Subaru

Introduction

There are 2 different systems fitted to these vehicles. In general Immobiliser 1 systems are fitted to vehicles that are older than Model Year 2000 and immobiliser 2 fitted to post 2000 vehicles.

Subaru Software flow chart



KeyFob Programming Procedure (Remote)

Impreza	01 on
Forester	98-02
Legacy	99-03
Legacy Outback	00 on

Programming Procedure

Note. *If key fob buttons are operated repeatedly whilst vehicle is out of range and central locking / alarm system becomes inoperative or a replacement key fob is obtained. The following programming procedure is required to be carried out before the key fob will operate correctly.*

If using the following manual key programming procedure: all the existing key fobs must be present, as the manual programming procedure will overwrite the existing key fobs, and make them inoperatable for the vehicle.

- Remove driver's side kick trim panel
- Connect central locking registration harness plug (white) connectors together (black wire and black/blue wires)
- Manually "Unlock" the vehicle using the key
- Press the "Unlock" button and then the "Lock" on the key fob
- The vehicle should "Unlock" and "Lock" as the key fob buttons are pressed to confirm programming of key fob
- Repeat above procedure to re-program any remaining key fobs.
- After the last key fob has been programmed, disconnect the central locking registration harness plug (white) connectors together (black wire and black/blue wires), and refit driver's side kick trim panel
- Confirm operation of key fobs by locking and unlocking vehicle using key fob buttons.

Note. *A maximum of 3 key fobs can be programmed to the vehicle.*

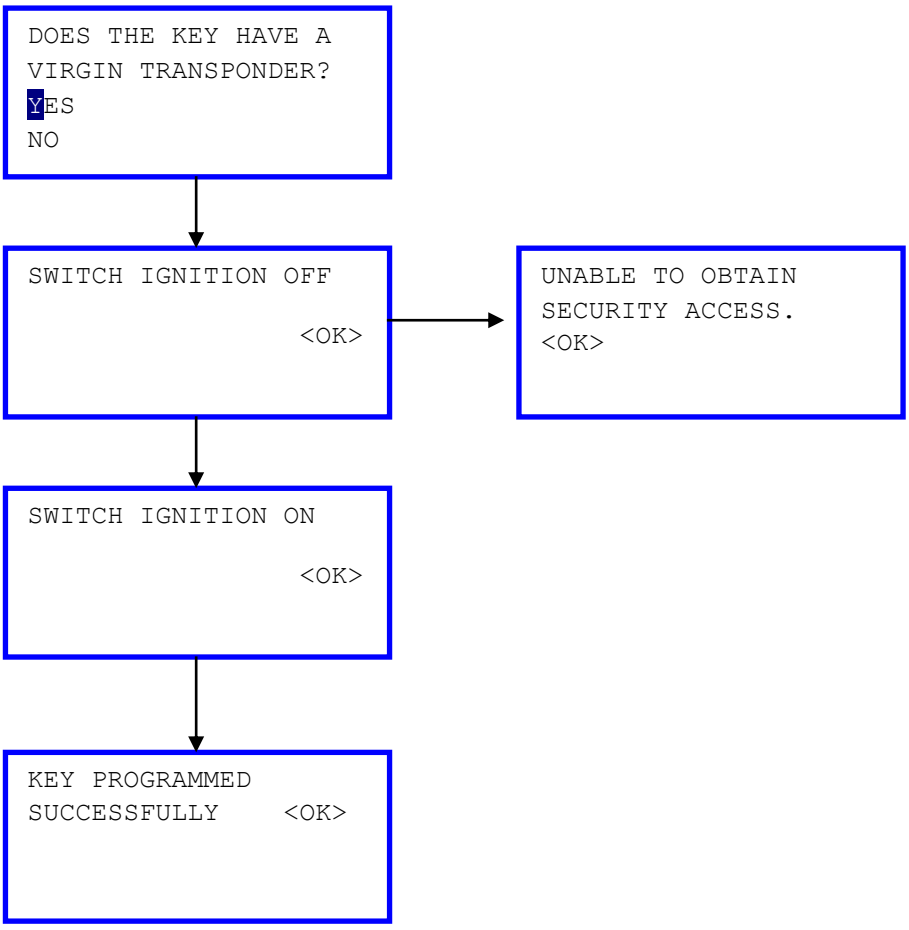
Suzuki

Introduction

There are 2 different systems fitted to these vehicles. No security code as required for these systems

Note. *Not all keys need to be present, as programming a key is adding that key to the system. The removal of all of the keys is a separate function in the iKEYS software menu.*

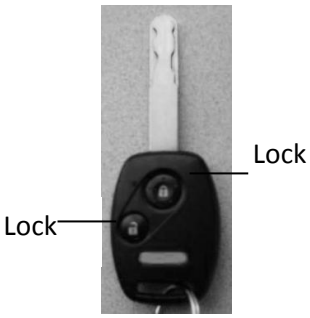
Program Keys Software flow chart



Key Fob Programming Procedure (Remote)

Remote programming is a manual process for all vehicles supported.
Please follow the procedures set out below to ensure accurate programming of the remotes.

- Ensure Ignition is switch OFF and all Doors are closed.
- Open Driver's Door, Switch Ignition "ON".
- Within 10 Seconds – Switch Ignition "OFF" and remove the Key from the Ignition
- Within 20 Seconds - Press Drivers door contact switch 3 times
- Within 10 Seconds - switch Ignition "ON" then "OFF", Remove the Key from the Ignition
- Within 10 Seconds - Press the unlock button.



Toyota / Lexus

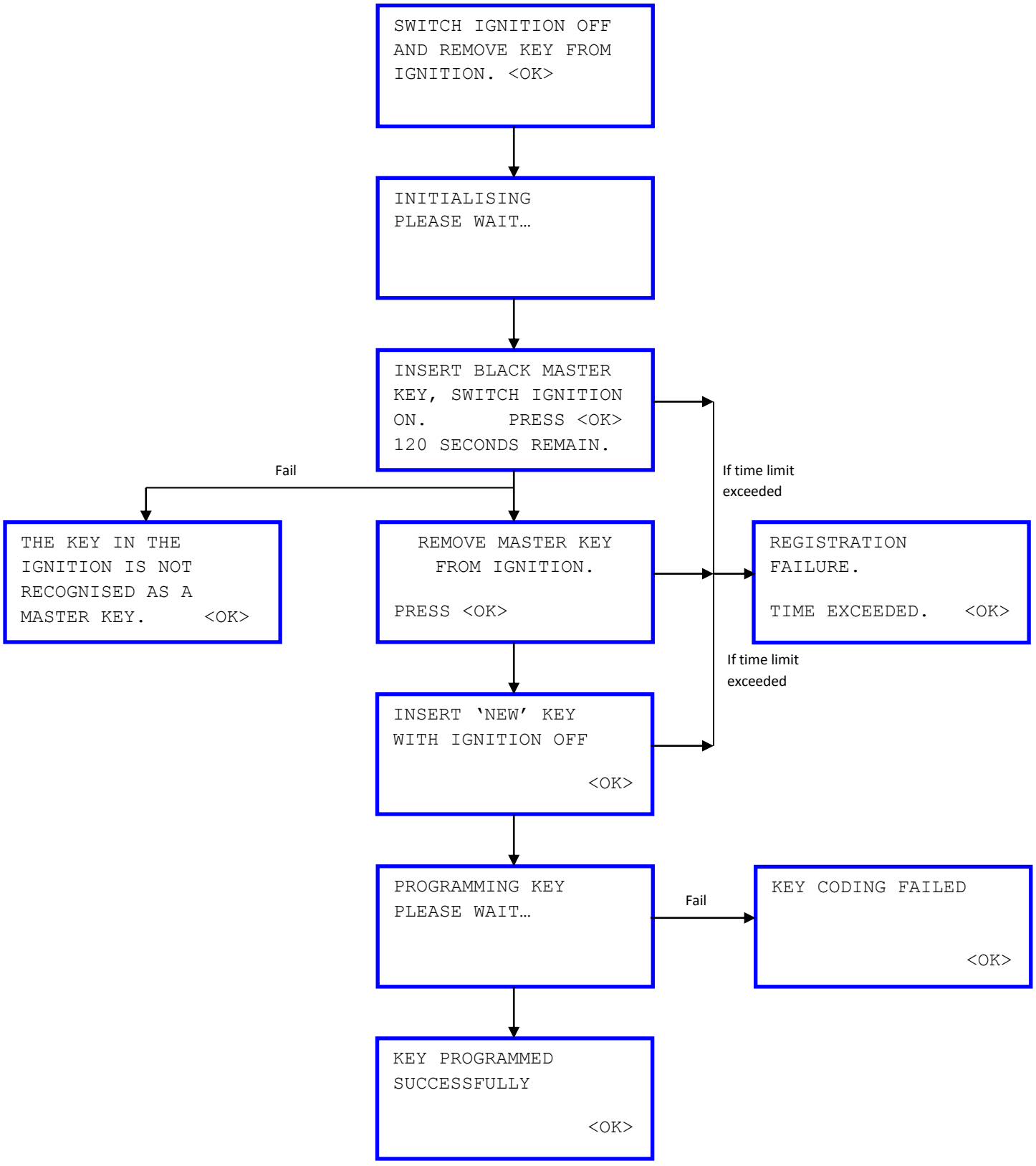
Introduction

The Toyota immobiliser system works with a “Master” key which is required to gain access to the immobiliser system. Therefore no security code is required. If the “Master” key is lost then the immobiliser system ECM will need to be replaced / recoded by the Toyota main Dealer.

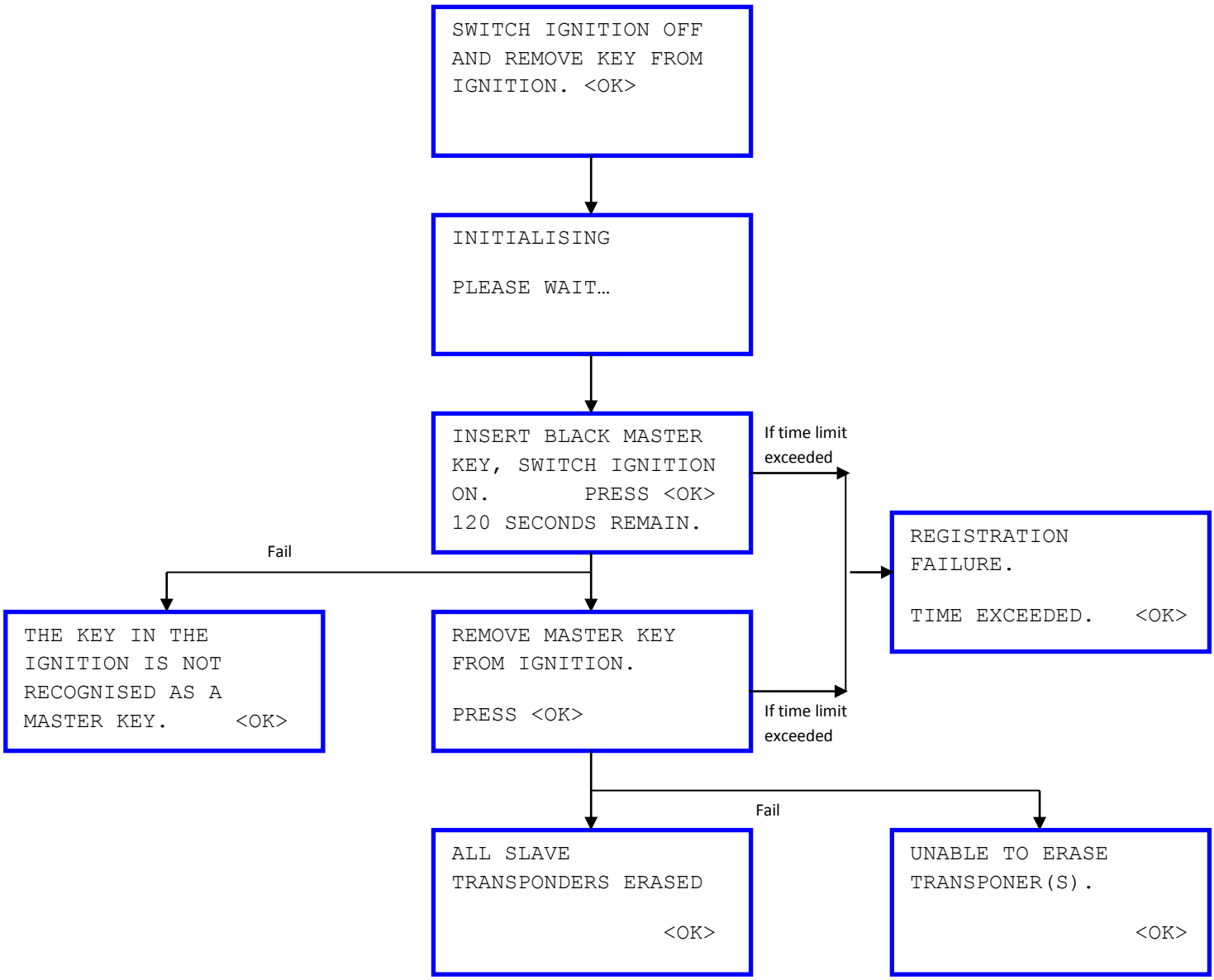
The immobiliser system is also time critical, the instructions must be carried out within the specified time. The handset will display a failure message if this time is exceeded.

Note. *Not all keys need to be present, as programming a key is adding that key to the system. The removal of all of the keys is a separate function in the iKEYS software menu.*

Program Keys Software flow chart



Erase Key Software flow chart



Key Fob Programming Procedure (Remote)

Remote programming is a manual process for all vehicles supported.
Please follow the procedures set out below to ensure accurate programming of the remotes.

Please ensure the following has been carried out before starting:

All Doors are closed
Start the vehicle and then stop the vehicle.
Remove key from the ignition switch.
Open the Drivers door and ensure it is unlocked.

- Insert key in the ignition for 2 seconds and then remove.
- Within 40 seconds: Close the driver's door for 2 seconds and then open.
- Wait 2 seconds: Close the driver's door for 2 seconds and then open
- Insert key in the ignition for 2 seconds and then remove.
- Within 40 seconds: Close the driver's door for 2 seconds and then open
- Wait 2 seconds: Close the driver's door for 2 seconds and then open
- Close Drivers Door.

To Program an additional remote whilst retaining all other remotes programmed.

- Insert Key in the ignition switch and wait 2 seconds
- Switch ignition on for 2 seconds and then turn off.
- Remove key
- System should lock and unlock once.

Note: Please start the following procedure within the next 20 seconds.

For Vehicle manufactured in Japan: Simultaneously hold the LOCK and UNLOCK buttons on the remote for 1-1.5 seconds and then release.

For Vehicles not manufactured Japan: Press the LOCK button on the remote for a minimum of 1 second and then release.

- Within 3 seconds press the lock button for 1 second and then release.
- System should lock and unlock once.

To Program an additional remote and remove all other remotes programmed.

- Insert Key in the ignition switch and wait 2 seconds
- Switch ignition on for 2 seconds and then turn off.
- Switch ignition on for 2 seconds and then turn off.
- Remove key
- System should lock and unlock twice.

Note: Please start the following procedure within the next 20 seconds.

For Vehicles manufactured in Japan: Simultaneously hold the LOCK and UNLOCK buttons on the remote for 1-1.5 seconds and then release.

For Vehicles not manufactured in Japan: Press the LOCK button on the remote for a minimum of 1 second and then release.

- Within 3 seconds press the lock button for 1 second and then release.
- System should lock and unlock once.
- If system locks and unlocks twice then the procedure has not been completed.
- To Exit Programming mode open driver's door.

Applications List

ALFA ROMEO KEYCODING KEYS

147	All Variants	P/D	All	05-09	All	CAN Immobiliser	30220300	SD20.1
159	All Variants	P/D	All	06-09	All	CAN Immobiliser	30220300	SD20.1
BRERA	All Variants	P/D	All	05-09	All	CAN Immobiliser	30220300	SD20.1
GT	All Variants	P/D	All	04-09	All	CAN Immobiliser	30220300	SD20.1

Audi KEYCODING KEYS

A2		P/D	All	00-07		Immo 1	30220300	SD16.3
A2		P/D	All	00-07		Immo 2	30220300	SD16.3
A3		P/D	All	04-07		CAN Keys	30220300	SD16.3
A3		P/D	All	04-07		CAN Remote	30220300	SD16.3
A3		P/D	All	95-03		Immo 1	30220300	SD16.3
A3		P/D	All	95-03		Immo 2	30220300	SD16.3
A4		P/D	All	95-03		Immo 1	30220300	SD16.3
A4		P/D	All	95-03		Immo 2	30220300	SD16.3
A6		P/D	All	96-03		Immo 1	30220300	SD16.3
A6		P/D	All	96-03		Immo 2	30220300	SD16.3
A8		P/D	All	96-03		Immo 1	30220300	SD16.3
A8		P/D	All	96-03		Immo 2	30220300	SD16.3
Q7		P/D		07-		CAN Keys	30220300	SD16.3
Q7		P/D		07-		CAN Remote	30220300	SD16.3
S3		P/D	All	04-07		CAN Keys	30220300	SD16.3
S3		P/D	All	04-07		CAN Remote	30220300	SD16.3
S3		P/D	All	95-03		Immo 1	30220300	SD16.3
S3		P/D	All	95-03		Immo 2	30220300	SD16.3
S4		P/D	All	95-03		Immo 1	30220300	SD16.3
S4		P/D	All	95-03		Immo 2	30220300	SD16.3
TT		P/D	All	98-03		Immo 1	30220300	SD16.3
TT		P/D	All	98-03		Immo 2	30220300	SD16.3

Audi PIN EXTRACTION

A2		P/D	All	00-07		MOTOMETER DASH	30220300	SD16.3
A2		**P/D**	**All**	**00-07**		**VDO DASH**	**30220300**	**SD24.0**
A2		P/D	All	00-07		EMS	30220300	SD16.3
A3		P/D	All	95-03		MOTOMETER DASH	30220300	SD16.3
A3		**P/D**	**All**	**95-03**		**VDO DASH**	**30220300**	**SD24.0**
A3		P/D	All	95-03		EMS	30220300	SD16.3
A4		P/D	All	95-03		MOTOMETER DASH	30220300	SD16.3
A4		**P/D**	**All**	**95-03**		**VDO DASH**	**30220300**	**SD24.0**
A4		P/D	All	95-03		EMS	30220300	SD16.3
A6		P/D	All	96-03		MOTOMETER DASH	30220300	SD16.3
A6		**P/D**	**All**	**96-03**		**VDO DASH**	**30220300**	**SD24.0**
A6		P/D	All	96-03		EMS	30220300	SD16.3
A8		P/D	All	96-03		MOTOMETER DASH	30220300	SD16.3
A8		**P/D**	**All**	**96-03**		**VDO DASH**	**30220300**	**SD24.0**
A8		P/D	All	96-03		EMS	30220300	SD16.3
S3		P/D	All	95-03		MOTOMETER DASH	30220300	SD16.3
S3		**P/D**	**All**	**95-03**		**VDO DASH**	**30220300**	**SD24.0**
S3		P/D	All	95-03		EMS	30220300	SD16.3
S4		P/D	All	95-03		MOTOMETER DASH	30220300	SD16.3
S4		**P/D**	**All**	**95-03**		**VDO DASH**	**30220300**	**SD24.0**
S4		P/D	All	95-03		EMS	30220300	SD16.3
TT		P/D	All	98-03		MOTOMETER DASH	30220300	SD16.3
TT		**P/D**	**All**	**98-03**		**VDO DASH**	**30220300**	**SD24.0**
TT		P/D	All	98-03		EMS	30220300	SD16.3

Citroen KEYCODING KEYS

BERLINGO		P/D	All			BSI 2	30220300	SD18.0
BERLINGO		P/D	All			BSI 3	30220300	SD18.0
BERLINGO		P/D	All			Immo 1	30220300	SD16.3
BERLINGO		P/D	All			CPH	30220300	SD21.1
C2		P/D	All			BSI 2	30220300	SD16.3
C3		P/D	All			CAN BSI	30220300	SD16.3
C3		P/D	All			BSI 2	30220300	SD18.0
C4		P/D	All			CAN BSI	30220300	SD18.0
C5		P/D	All			CAN BSI	30220300	SD18.0
C5		P/D	All			BSI 2	30220300	SD18.0
C8		P/D	All			BSI 2	30220300	SD16.3
DISPATCH		P/D	All			Immo 1	30220300	SD16.3
DISPATCH		P/D	All			CPH	30220300	SD21.1
EVASION		P/D	All			CPH	30220300	SD21.1
SAXO		P/D	All			Immo 1	30220300	SD16.3
SYNERGIE		P/D	All			CPH	30220300	SD21.1
XANTIA		P/D	All			Immo 1	30220300	SD16.3
XANTIA		P/D	All			CPH	30220300	SD21.1
XSARA		P/D	All			BSI 3	30220300	SD18.0
XSARA		P/D	All			BSI 4	30220300	SD18.0
XSARA		P/D	All			BSI 2	30220300	SD18.0
XSARA		P/D	All			CPH	30220300	SD21.1
XSARA PICASSO		P/D	All			BSI 2	30220300	SD16.3
XSARA PICASSO		P/D	All			BSI 3	30220300	SD16.3

Daewoo KEYCODING KEYS

KALOS		P/D	All			Immobiliser	30220300	SD16.3
LACETTI		P/D	All			Immobiliser	30220300	SD16.3
LANOS		P/D	All			Immobiliser	30220300	SD16.3
MATIZ		P/D	All			ECU Matching	30220300	SD16.3
MATIZ		P/D	All			Immobiliser	30220300	SD16.3
NUBIRA III		P/D	All			Immobiliser	30220300	SD16.3
TACUMA		P/D	All			Immobiliser	30220300	SD16.3

FIAT KEYCODING KEYS

BRAVO	All Variants	P/D	All	07-09	All	CAN Immobiliser	30220300	SD20.1
CROMA	All Variants	P/D	All	05-09	All	CAN Immobiliser	30220300	SD20.1
DOBLO	All Variants	P/D	All	05-09	All	CAN Immobiliser	30220300	SD20.1
DUCATO	All Variants	P/D	All	06-09	All	CAN Immobiliser	30220300	SD20.1
IDEA	All Variants	P/D	All	04-09	All	CAN Immobiliser	30220300	SD20.1
LINEA	All Variants	P/D	All	07-09	All	CAN Immobiliser	30220300	SD20.1
PALIO RST	All Variants	P/D	All	07-09	All	CAN Immobiliser	30220300	SD20.1

FIAT KEYCODING KEYS

PANDA	All Variants	P/D	All	03-09	All	CAN Immobiliser	30220300	SD20.1
PERLA	All Variants	P/D	All	07-09	All	CAN Immobiliser	30220300	SD20.1
PUNTO	All Variants	P/D	All	03-09	All	CAN Immobiliser	30220300	SD20.1
PUNTO	All Variants	P/D	All	99-03	All	CAN Immobiliser	30220300	SD20.1
PUNTO LA	All Variants	P/D	All		All	CAN Immobiliser	30220300	SD20.1
SEDICI	All Variants	P/D	All	06-09	All	CAN Immobiliser	30220300	SD20.1
STILO	All Variants	P/D	All	04-06	All	CAN Immobiliser	30220300	SD20.1

Ford KEYCODING KEYS

COUGAR		P	All	98-99		PATS 3	30220300	SD18.0
COURIER		P	All	96-02		PATS 3	30220300	SD18.0
COURIER		D	All	96-02		PATS 3	30220300	SD18.0
COURIER		P	All	93-96		PATS 1 COURIER	30220300	SD16.3
COURIER		D	All	93-96		PATS 1 COURIER	30220300	SD16.3
ESCORT		P	All	97-01		PATS 2 PETROL	30220300	SD16.3
ESCORT		P	All	93-97		PATS 1 ESCORT	30220300	SD16.3
ESCORT		D	All	97-01		PATS 2 DIESEL	30220300	SD16.3
ESCORT		D	All	93-97		PATS 1 ESCORT	30220300	SD16.3
FIESTA		P	All	96-02		PATS 3	30220300	SD18.0
FIESTA		D	All	96-02		PATS 3	30220300	SD18.0
FIESTA		P	All	96-97		PATS 2 PETROL	30220300	SD16.3
FIESTA		D	All	93-96		PATS 1	30220300	SD16.3
FIESTA		D	All	96-97		PATS 2 DIESEL	30220300	SD16.3
FIESTA		P	All	93-96		PATS 1	30220300	SD16.3
FIESTA		P	All	02-07		PATS 3 CAN	30220300	SD22.3
FIESTA		D	All	02-07		PATS 3 CAN	30220300	SD22.3
FIESTA		P	All	08-11		PATS CAN IPC	30220300	SD23.1
FIESTA		D	All	08-11		PATS CAN IPC	30220300	SD23.1
FOCUS		P	All	98-05		PATS 3	30220300	SD18.0
FOCUS		D	All	98-05		PATS 3	30220300	SD18.0
FOCUS		P	All	05-11		PATS CAN IC	30220300	SD23.0
FOCUS		D	All	05-11		PATS CAN IC	30220300	SD23.0
FUSION		P	All	02-07		PATS 3 CAN	30220300	SD22.3
FUSION		D	All	02-07		PATS 3 CAN	30220300	SD22.3
GALAXY		P	All	00-06		PATS 3 SCP	30220300	SD16.3
GALAXY		P	All			PATS 1	30220300	SD16.3
GALAXY		D	All	95-96		PATS 1	30220300	SD16.3
GALAXY		P	All			VAG Timed Access	30220300	SD16.3
GALAXY		D	All			VAG Timed Access	30220300	SD16.3
GALAXY		D	All	00-06		PATS 3 SCP	30220300	SD16.3
GALAXY		P	All	06-11		PATS CAN BCMii	30220300	SD23.2
GALAXY		D	All	06-11		PATS CAN BCMii	30220300	SD23.2
KA		P	1.3	00-05		PATS 3	30220300	SD18.0
KA		P	1.3	96-01		PATS 3	30220300	SD18.0
KA		P	1.3	96-97		PATS 2 PETROL	30220300	SD16.3
KA		P	1.3	05-08		PATS 3 CAN	30220300	SD22.4
MONDEO		P	All	94-96		PATS 1	30220300	SD16.3
MONDEO		P	All	96-97		PATS 2 PETROL	30220300	SD16.3
MONDEO		D	All	96-97		PATS 2 DIESEL	30220300	SD16.3
MONDEO		P	All	00-06		PATS 3	30220300	SD18.0
MONDEO		D	All	00-06		PATS 3	30220300	SD18.0
ORION		P	All	93-97		PATS 1	30220300	SD16.3
ORION		D	All	93-97		PATS 1	30220300	SD16.3
PUMA		P	All	97-02		PATS 3	30220300	SD18.0
SCORPIO	Petrol V6/12V	P	All			PATS 1	30220300	SD16.3
SCORPIO		D	All	95-96		PATS 1	30220300	SD16.3
S-MAX		P	All	06-11		PATS CAN BCMii	30220300	SD23.2
S-MAX		D	All	06-11		PATS CAN BCMii	30220300	SD23.2
TRANSIT		P	All	97-05		PATS 3	30220300	SD18.0
TRANSIT		D	All	97-05		PATS 3	30220300	SD18.0
TRANSIT		P	All	95-97		PATS 1	30220300	SD18.0
TRANSIT		D	All	95-97		PATS 1	30220300	SD18.0

GM-Opel KEYCODING KEYS

AGILA		P/D	All			Immo1	30220300	SD16.3
AGILA		P/D	All			Remote	30220300	SD16.3
ARENA		P/D	All			Immo1	30220300	SD16.3
ARENA		P/D	All			Remote	30220300	SD16.3
ASTRA-F		P/D	All	96-01		Immo1	30220300	SD16.3
ASTRA-F		P/D	All	96-01		Remote	30220300	SD16.3
ASTRA-G		P/D	All	98-05		Immo2	30220300	SD16.3
ASTRA-G		P/D	All	98-05		Remote	30220300	SD16.3
ASTRA-H		P/D	All	04-06		Immo3 (CAN)	30220300	SD16.3
CALIBRA		P/D	All	95-97		Immo1	30220300	SD16.3
CALIBRA		P/D	All	95-97		Remote	30220300	SD16.3
CAVALIER		P/D	All	96-01		Immo1	30220300	SD16.3
CAVALIER		P/D	All	96-01		Remote	30220300	SD16.3
CORSA-B		P/D	All	96-01		Immo1	30220300	SD16.3
CORSA-B		P/D	All	96-01		Remote	30220300	SD16.3
CORSA-C		P/D	All			Immo2	30220300	SD16.3
CORSA-C		P/D	All			Remote	30220300	SD16.3
CORSA-C COMBO		P/D	All	01-08		Immo2	30220300	SD16.3
CORSA-C COMBO		P/D	All	01-08		Remote	30220300	SD16.3
CORSA-D		P/D	All	06-10		Immo 4 (CAN)	30220300	SD21.2
FRONTERA-A		P/D	All	-98		Immo1	30220300	SD16.3
FRONTERA-A		P/D	All	-98		Remote	30220300	SD16.3
FRONTERA-B		P/D	All	98-		Immo2	30220300	SD16.3
FRONTERA-B		P/D	All	98-		Remote	30220300	SD16.3
MERIVA		P/D	All			Immo2	30220300	SD16.3
MERIVA		P/D	All			Remote	30220300	SD16.3
MONTEREY		P/D	All	96-97		Immo1	30220300	SD16.3
MONTEREY		P/D	All	98-		Immo2	30220300	SD16.3
MONTEREY		P/D	All	96-01		Remote	30220300	SD16.3
OMEGA-B		P/D	All	96-01		Immo1	30220300	SD16.3
OMEGA-B		P/D	All	00-02		Immo2	30220300	SD16.3
OMEGA-B		P/D	All	96-02		Remote	30220300	SD16.3
TIGRA		P/D	All	95-00		Immo1	30220300	SD16.3
TIGRA		P/D	All	95-00		Remote	30220300	SD16.3

GM-Opel KEYCODING KEYS									
VECTRA-B		P/D	All	96-01		Immo1	30220300		SD16.3
VECTRA-B		P/D	All	96-01		Remote	30220300		SD16.3
VECTRA-B		P/D	All	00-02		Immo2	30220300		SD16.3
VECTRA-B		P/D	All	00-02		Remote	30220300		SD16.3
VECTRA-C		P/D	All	02-06		Immo3 (CAN)	30220300		SD16.3
VX220		P/D	All			Immo2	30220300		SD16.3
VX220		P/D	All			Remote	30220300		SD16.3
ZAFIRA		P/D	All	99-05		Immo2	30220300		SD16.3
ZAFIRA		P/D	All	99-04		Remote	30220300		SD16.3
ZAFIRA-B		P/D	All	05-06		Immo3 (CAN)	30220300		SD16.3
Honda KEYCODING KEYS									
ACCORD		P/D	All	97-03		Immobiliser	30220300		SD16.3
CIVIC		P/D	All	00-05		Immobiliser	30220300		SD18.0
CR-V		P/D	All	01-06		Immobiliser	30220300		SD16.3
HR-V		P/D	All	99-05		Immobiliser	30220300		SD16.3
JAZZ		P/D	All	02-06		Immobiliser	30220300		SD18.0
S2000		P/D	All	00-03		Immobiliser	30220300		SD16.3
LANCIA KEYCODING KEYS									
MUSA	All Variants	P/D	All	04-09	All	CAN Immobiliser	30220300		SD20.1
THESIS	All Variants	P/D	All	04-09	All	CAN Immobiliser	30220300		SD20.1
YPSILON	All Variants	P/D	All	04-06	All	CAN Immobiliser	30220300		SD20.1
LandRover KEYCODING KEYS									
DISCOVERY III		P/D	All	05-08		Immobiliser	30220300		SD16.3
FREELANDER		P/D	All	97-00		CCU	30220300		SD19.3
RANGE ROVER SPO		P/D	All	05-08		Immobiliser	30220300		SD16.3
Lexus KEYCODING KEYS									
IS200		P/D	All	01-04		Immobiliser	30220300		SD16.3
IS300		P/D	All	01-04		Immobiliser	30220300		SD16.3
Mitsubishi KEYCODING KEYS									
3000 GT		P/D	All	98-99		Immobiliser	30220300		SD16.3
CARISMA		P/D	All	99-04		Immobiliser	30220300		SD16.3
COLT		P/D	All	96-03		Immobiliser	30220300		SD16.3
COLT		P/D	All	04-10		Immobiliser	30220300		SD21.0
EVO		P/D	All	00-02		Immobiliser	30220300		SD16.3
GALANT		P/D	All	00-03		Immobiliser	30220300		SD16.3
GALANT		P/D	All	04 -		Immobiliser	30220300		SD16.3
GALANT		P/D	All	94-95		Immobiliser	30220300		SD16.3
GALANT		P/D	All	96-99		Immobiliser	30220300		SD16.3
GALANT WAGON		P/D	All	97-03		Immobiliser	30220300		SD16.3
L200		P/D	All	05-08		Immobiliser	30220300		SD16.3
L200		P/D	All	97-05		Immobiliser	30220300		SD16.3
L400		P/D	All	95-01		Immobiliser	30220300		SD16.3
LANCER		P/D	All	99-01		Immobiliser	30220300		SD16.3
LANCER		P/D	All	96-99		Immobiliser	30220300		SD16.3
LANCER WAGON		P/D	All	99-01		Immobiliser	30220300		SD16.3
OUTLANDER		P/D	All	04-07		Immobiliser	30220300		SD16.3
PININ		P/D	All	00-05		Immobiliser	30220300		SD16.3
SHOGUN		P/D	All	00-02		Immobiliser	30220300		SD16.3
SHOGUN		P/D	All	97-00		Immobiliser	30220300		SD16.3
SHOGUN SPORT		P/D	All	98-05		Immobiliser	30220300		SD16.3
SIGMA		P/D	All	95-97		Immobiliser	30220300		SD16.3
SPACESTAR		P/D	All	99-05		Immobiliser	30220300		SD16.3
SPACEWAGON		P/D	All	95-99		Immobiliser	30220300		SD16.3
SPACEWAGON		P/D	All	99-03		Immobiliser	30220300		SD16.3
Nissan KEYCODING KEYS									
ALMERA		P/D	All	00-06		NATS 5	30220300		SD16.3
MAXIMA		P/D	All	00-02		NATS 5	30220300		SD16.3
MICRA		P/D	All	00-03		NATS 5	30220300		SD16.3
PRIMERA		P/D	All	00-06		NATS 5	30220300		SD16.3
SKYLINE		P/D	All	99-02		NATS 5	30220300		SD16.3
TERRANO II		P/D	All	00-06		NATS 5	30220300		SD16.3
X-TRAIL		P/D	All	01-06		NATS 5	30220300		SD16.3
Peugeot KEYCODING KEYS									
106		P/D	All			Immo 2	30220300		SD16.3
206		P/D	All			Immo 2	30220300		SD18.0
206		P/D	All			BSI 2	30220300		SD16.3
206		P/D	All			Immo1	30220300		SD16.3
206		P/D	All			Old Bsi	30220300		SD16.3
207		P/D	All	06-07		CAN BSI	30220300		SD18.0
306		P/D	All			Immo 2	30220300		SD18.0
307		P/D	All	05-06		CAN BSI	30220300		SD18.0
307		P/D	All			BSI 2	30220300		SD15.2
406		P/D	All			CPH	30220300		SD21.1
406		P/D	All			BSI 1	30220300		SD18.0
406		P/D	All			BSI 2	30220300		SD18.0
406		P/D	All			BSI 3	30220300		SD16.3
406		P/D	All			BSI 4	30220300		SD16.3
407		P/D	All	04-07		CAN BSI	30220300		SD18.0
607		P/D	All			Immo 2	30220300		SD18.0
607		P/D	All			Immo1	30220300		SD18.0
806		P/D	All			CPH	30220300		SD21.1
807		P/D	All			BSI 2	30220300		SD18.0
EXPERT		P/D	All			CPH	30220300		SD21.1
PARTNER		P/D	All			BSI 2	30220300		SD18.0
PARTNER		P/D	All			BSI 3	30220300		SD18.0
PARTNER		P/D	All			CPH	30220300		SD21.1
Renault KEYCODING KEYS									
CLIO		P/D	All			Immobiliser	30220300		SD16.3
CLIO II		P/D	All			Immobiliser	30220300		SD16.3
CLIO II PH2		P/D	All			Immobiliser	30220300		SD16.3

Renault KEYCODING KEYS

ESPACE		P/D	All			Immobiliser	30220300		SD16.3
KANGOO		P/D	All			type 1	30220300		SD16.3
KANGOO II		P/D	All			Immobiliser	30220300		SD16.3
LAGUNA I		P/D	All			Immobiliser	30220300		SD16.3
LAGUNA II		P/D	All			Immobiliser	30220300		SD16.3
MASTER 1		P/D	All	01-		Immo 1	30220300		SD16.3
MASTER II		P/D	All			Immobiliser	30220300		SD16.3
MEGANE		P/D	All			Immo 1	30220300		SD16.3
SCENIC		P/D	All			Immo 1	30220300		SD16.3
TRAFIC II		P/D	All			Immobiliser	30220300		SD16.3

Rover-MG IMMOBILISER MATCH

100 SERIES	111	P	1.1	91-95	11K2D	Mems 1.6 MPi Turbo		30211600	SD21.3
100 SERIES	111	P	1.1	91-95	11K2D	Mems 1.6 SPi CAT		30211600	SD21.3
100 SERIES	111	P	1.1	91-95	11K2D	Mems 1.6 SPi NON-CAT		30211600	SD21.3
100 SERIES	111	P	1.1	91-95	11K2D	Mems 1.6 STAND.Mpi		30211600	SD21.3
100 SERIES	111	P	1.1	95-98	K8-1.1	Mems 1.9	30220300		SD21.3
100 SERIES	114	P	1.4	90-94	K16-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
100 SERIES	114	P	1.4	91-95	14K2A	Mems 1.6 MPi Turbo		30211600	SD21.3
100 SERIES	114	P	1.4	95-96	K8-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
100 SERIES	114	P	1.4	90-94	K16-1.4	Mems 1.6 SPi CAT		30211600	SD21.3
100 SERIES	114	P	1.4	91-95	14K2A	Mems 1.6 SPi CAT		30211600	SD21.3
100 SERIES	114	P	1.4	95-96	K8-1.4	Mems 1.6 SPi CAT		30211600	SD21.3
100 SERIES	114	P	1.4	90-94	K16-1.4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
100 SERIES	114	P	1.4	91-95	14K2A	Mems 1.6 SPi NON-CAT		30211600	SD21.3
100 SERIES	114	P	1.4	95-96	K8-1.4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
100 SERIES	114	P	1.4	90-94	K16-1.4	Mems 1.6 STAND.Mpi		30211600	SD21.3
100 SERIES	114	P	1.4	91-95	14K2A	Mems 1.6 STAND.Mpi		30211600	SD21.3
100 SERIES	114	P	1.4	95-96	K8-1.4	Mems 1.6 STAND.Mpi		30211600	SD21.3
100 SERIES	114	P	1.4	90-93	14K4C/D	Mems 1.6 MPi Turbo	30220300		SD21.3
100 SERIES	114	P	1.4	90-95	K16-1.4	Mems 1.6 MPi Turbo	30220300		SD21.3
100 SERIES	114	P	1.4	91-95	14K4F	Mems 1.6 MPi Turbo	30220300		SD21.3
100 SERIES	114	P	1.4	90-93	14K4C/D	Mems 1.6 SPi CAT	30220300		SD21.3
100 SERIES	114	P	1.4	90-95	K16-1.4	Mems 1.6 SPi CAT	30220300		SD21.3
100 SERIES	114	P	1.4	91-95	14K4F	Mems 1.6 SPi CAT	30220300		SD21.3
100 SERIES	114	P	1.4	90-93	14K4C/D	Mems 1.6 SPi NON-CAT	30220300		SD21.3
100 SERIES	114	P	1.4	90-95	K16-1.4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
100 SERIES	114	P	1.4	91-95	14K4F	Mems 1.6 SPi NON-CAT	30220300		SD21.3
100 SERIES	114	P	1.4	90-93	14K4C/D	Mems 1.6 STAND.Mpi	30220300		SD21.3
100 SERIES	114	P	1.4	90-95	K16-1.4	Mems 1.6 STAND.Mpi	30220300		SD21.3
100 SERIES	114	P	1.4	91-95	14K4F	Mems 1.6 STAND.Mpi	30220300		SD21.3
100 SERIES	114	P	1.4	95-99	K8-1.4	Mems 1.9	30220300		SD21.3
200 SERIES	200 vi	P/D	All	95-99		Mems 2J	30220300		CD1
200 SERIES	214	P	1.4	89-92	K16-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
200 SERIES	214	P	1.4	90-92	K16-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
200 SERIES	214	P	1.4	92-95	14K4F	Mems 1.6 MPi Turbo		30211600	SD21.3
200 SERIES	214	P	1.4	89-92	K16-1.4	Mems 1.6 SPi CAT		30211600	SD21.3
200 SERIES	214	P	1.4	92-95	14K4F	Mems 1.6 SPi CAT		30211600	SD21.3
200 SERIES	214	P	1.4	89-92	K16-1.4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
200 SERIES	214	P	1.4	92-95	14K4F	Mems 1.6 SPi NON-CAT		30211600	SD21.3
200 SERIES	214	P	1.4	89-92	K16-1.4	Mems 1.6 STAND.Mpi		30211600	SD21.3
200 SERIES	214	P	1.4	92-95	14K4F	Mems 1.6 STAND.Mpi		30211600	SD21.3
200 SERIES	214	P	1.4	90-92	14KC/D	Mems 1.6 MPi Turbo	30220300		SD21.3
200 SERIES	214	P	1.4	90-92	14KC/D	Mems 1.6 SPi CAT	30220300		SD21.3
200 SERIES	214	P	1.4	90-92	14KC/D	Mems 1.6 SPi NON-CAT	30220300		SD21.3
200 SERIES	214	P	1.4	90-92	14KC/D	Mems 1.6 STAND.Mpi	30220300		SD21.3
200 SERIES	214	P	1.4	95-99	14K16	Mems 1.9	30220300		SD21.3
200 SERIES	214	P	1.4	95-99	14K8	Mems 1.9	30220300		SD21.3
200 SERIES	216	P	1.6	95-99	16K16	Mems 1.9	30220300		SD21.3
200 SERIES	218	P	1.8	97-99	18K16	Mems 1.9	30220300		SD21.3
200 SERIES	218 Coupe	P/D	All	96-99		Mems 2J	30220300		CD1
200 SERIES	220 Coupe	P	2.0	92-96	20T4	Mems 1.6 MONT.MPi		30211600	SD21.3
200 SERIES	220 Coupe	P	2.0	92-96	20T4	Mems 1.6 MPi Turbo		30211600	SD21.3
200 SERIES	220 Coupe	P	2.0	92-96	20T4	Mems 1.6 SPi CAT		30211600	SD21.3
200 SERIES	220 Coupe	P	2.0	92-96	20T4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
200 SERIES	220 Coupe	P	2.0	92-96	20T4	Mems 1.6 STAND.Mpi		30211600	SD21.3
200 SERIES	220 GTI	P	2.0	91-92	20M4	Mems 1.6 MONT.MPi	30220300		SD21.3
200 SERIES	220 GTI	P	2.0	91-92	20M4	Mems 1.6 MPi Turbo	30220300		SD21.3
200 SERIES	220 GTI	P	2.0	91-92	20M4	Mems 1.6 SPi CAT	30220300		SD21.3
200 SERIES	220 GTI	P	2.0	91-92	20M4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
200 SERIES	220 GTI	P	2.0	91-92	20M4	Mems 1.6 STAND.Mpi	30220300		SD21.3
200 SERIES	220 Turbo/Coupe	P	2.0	92-95	20T4	Mems 1.6 MONT.MPi		30211600	SD21.3
200 SERIES	220 Turbo/Coupe	P	2.0	92-95	20T4	Mems 1.6 MPi Turbo		30211600	SD21.3
25 SERIES	1.1L	P	1.1	99-01	K8-1.1	Mems 1.9	30220300		SD21.3
25 SERIES	vvc	P/D	All	99-04		Mems 3	30220300		CD1
25 SERIES		P/D	1.4	99-04		Mems 3	30220300		CD1
25 SERIES		P/D	1.4	99-04		Mems 3	30220300		CD1
25 SERIES		P/D	1.6	99-04		Mems 3	30220300		CD1
25 SERIES		P/D	1.8	99-04		Mems 3	30220300		CD1
400 SERIES	414	P	1.4	89-92	K16-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
400 SERIES	414	P	1.4	92-95	14K4F	Mems 1.6 MPi Turbo		30211600	SD21.3
400 SERIES	414	P	1.4	89-92	K16-1.4	Mems 1.6 SPi CAT		30211600	SD21.3
400 SERIES	414	P	1.4	92-95	14K4F	Mems 1.6 SPi CAT		30211600	SD21.3
400 SERIES	414	P	1.4	89-92	K16-1.4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
400 SERIES	414	P	1.4	92-95	14K4F	Mems 1.6 SPi NON-CAT		30211600	SD21.3
400 SERIES	414	P	1.4	89-92	K16-1.4	Mems 1.6 STAND.Mpi		30211600	SD21.3
400 SERIES	414	P	1.4	92-95	14K4F	Mems 1.6 STAND.Mpi		30211600	SD21.3
400 SERIES	414	P	1.4	90-92	14KC/D	Mems 1.6 MPi Turbo	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	K16-1.4	Mems 1.6 MPi Turbo	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	14KC/D	Mems 1.6 SPi CAT	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	K16-1.4	Mems 1.6 SPi CAT	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	14KC/D	Mems 1.6 SPi NON-CAT	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	K16-1.4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	14KC/D	Mems 1.6 STAND.Mpi	30220300		SD21.3
400 SERIES	414	P	1.4	90-92	K16-1.4	Mems 1.6 STAND.Mpi	30220300		SD21.3
400 SERIES	414	P	1.4	95-99	K16-1.4	Mems 1.9	30220300		SD21.3
400 SERIES	416	P	1.6	95-99	K16-1.6	Mems 1.9	30220300		SD21.3
400 SERIES	416 Tourer	P	1.6	96-99	16K16	Mems 1.9	30220300		SD21.3

Rover-MG IMMOBILISER MATCH

400 SERIES	420	P	2.0	95-99	20T4	Mems 1.9	30220300		SD21.3
400 SERIES	420 GTI	P	2.0	91-92	20M4	Mems 1.6 MONT.MPi		30211600	SD21.3
400 SERIES	420 GTI	P	2.0	91-92	20M4	Mems 1.6 MPi Turbo	30220300		SD21.3
400 SERIES	420 GTI	P	2.0	91-92	20M4	Mems 1.6 SPi CAT	30220300		SD21.3
400 SERIES	420 GTI	P	2.0	91-92	20M4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
400 SERIES	420 GTI	P	2.0	91-92	20M4	Mems 1.6 STAND.Mpi	30220300		SD21.3
400 SERIES	420 Touring	P	2.0	92-96	20T4	Mems 1.6 MONT.MPi		30211600	SD21.3
400 SERIES	420 Touring	P	2.0	92-96	20T4	Mems 1.6 MPi Turbo	30220300		SD21.3
400 SERIES	420 Touring	P	2.0	92-96	20T4	Mems 1.6 SPi CAT	30220300		SD21.3
400 SERIES	420 Touring	P	2.0	92-96	20T4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
400 SERIES	420 Touring	P	2.0	92-96	20T4	Mems 1.6 STAND.Mpi	30220300		SD21.3
45 SERIES		P/D	1.4	99-04		Mems 3	30220300		CD1
45 SERIES		P/D	1.6	99-04		Mems 3	30220300		CD1
45 SERIES		P/D	1.8	99-04		Mems 3	30220300		CD1
600 SERIES	620 Turbo	P	2.0	94-99	20T4	Mems 1.9	30220300		SD21.3
800 SERIES	820	P	2.0	91-95	20T4	Mems 1.6 MONT.MPi		30211600	SD21.3
800 SERIES	820	P	2.0	91-95	20T4	Mems 1.6 MPi Turbo		30211600	SD21.3
800 SERIES	820	P	2.0	91-95	20T4	Mems 1.6 SPi CAT		30211600	SD21.3
800 SERIES	820	P	2.0	91-95	20T4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
800 SERIES	820	P	2.0	91-95	20T4	Mems 1.6 STAND.Mpi		30211600	SD21.3
800 SERIES	820	P	2.0	95-99	20T4	Mems 1.9	30220300		SD21.3
800 SERIES	820 Vitesse	P	2.0	92-96	20T4	Mems 1.6 MPi Turbo		30211600	SD21.3
800 SERIES	820 Vitesse	P	2.0	92-96	20T4	Mems 1.6 SPi CAT		30211600	SD21.3
800 SERIES	820 Vitesse	P	2.0	92-96	20T4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
800 SERIES	820 Vitesse	P	2.0	92-96	20T4	Mems 1.6 STAND.Mpi		30211600	SD21.3
800 SERIES	820 Vitesse	P	2.0	92-96	20T4	Mems 1.6 MONT.MPi	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	94-95	20T4	Mems 1.6 MONT.MPi	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	94-95	20T4	Mems 1.6 MPi Turbo	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	94-95	20T4	Mems 1.6 SPi CAT	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	94-95	20T4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	94-95	20T4	Mems 1.6 STAND.Mpi	30220300		SD21.3
800 SERIES	820 Vitesse Sport	P	2.0	95-99	20T4	Mems 1.9	30220300		SD21.3
800 SERIES	825	P/D	All	96-99		Mems 2J	30220300		CD1
METRO	1.1L	P	1.1	91-95	11K2D	Mems 1.6 MPi Turbo	30220300		SD21.3
METRO	1.1L	P	1.1	91-95	11K2D	Mems 1.6 SPi CAT	30220300		SD21.3
METRO	1.1L	P	1.1	91-95	11K2D	Mems 1.6 SPi NON-CAT	30220300		SD21.3
METRO	1.1L	P	1.1	91-95	11K2D	Mems 1.6 STAND.Mpi	30220300		SD21.3
METRO	1.4L	P	1.4	90-93	14K4C/D	Mems 1.6 MPi Turbo		30211600	SD21.3
METRO	1.4L	P	1.4	90-94	K16-1.4	Mems 1.6 MPi Turbo		30211600	SD21.3
METRO	1.4L	P	1.4	91-95	14K2A	Mems 1.6 MPi Turbo		30211600	SD21.3
METRO	1.4L	P	1.4	90-93	14K4C/D	Mems 1.6 SPi CAT		30211600	SD21.3
METRO	1.4L	P	1.4	90-94	K16-1.4	Mems 1.6 SPi CAT		30211600	SD21.3
METRO	1.4L	P	1.4	91-95	14K2A	Mems 1.6 SPi CAT		30211600	SD21.3
METRO	1.4L	P	1.4	90-93	14K4C/D	Mems 1.6 SPi NON-CAT		30211600	SD21.3
METRO	1.4L	P	1.4	90-94	K16-1.4	Mems 1.6 SPi NON-CAT		30211600	SD21.3
METRO	1.4L	P	1.4	91-95	14K2A	Mems 1.6 SPi NON-CAT		30211600	SD21.3
METRO	1.4L	P	1.4	90-93	14K4C/D	Mems 1.6 STAND.Mpi		30211600	SD21.3
METRO	1.4L	P	1.4	90-94	K16-1.4	Mems 1.6 STAND.Mpi		30211600	SD21.3
METRO	1.4L	P	1.4	91-95	14K2A	Mems 1.6 STAND.Mpi		30211600	SD21.3
METRO	1.4L	P	1.4	90-95	K16-1.4	Mems 1.6 MPi Turbo	30220300		SD21.3
METRO	1.4L	P	1.4	91-95	14K4F	Mems 1.6 MPi Turbo	30220300		SD21.3
METRO	1.4L	P	1.4	90-95	K16-1.4	Mems 1.6 SPi CAT	30220300		SD21.3
METRO	1.4L	P	1.4	91-95	14K4F	Mems 1.6 SPi CAT	30220300		SD21.3
METRO	1.4L	P	1.4	90-95	K16-1.4	Mems 1.6 SPi NON-CAT	30220300		SD21.3
METRO	1.4L	P	1.4	91-95	14K4F	Mems 1.6 SPi NON-CAT	30220300		SD21.3
METRO	1.4L	P	1.4	90-95	K16-1.4	Mems 1.6 STAND.Mpi	30220300		SD21.3
METRO	1.4L	P	1.4	91-95	14K4F	Mems 1.6 STAND.Mpi	30220300		SD21.3
MG-F	1.6L	P	1.6	99-01	16K16	Mems 1.9	30220300		SD21.3
MG-F	1.8L	P	1.8	95-01	K16-1.8	Mems 1.9	30220300		SD21.3
MG-F		P/D	1.6	95-01		Mems 3	30220300		CD1
MG-F		P/D	1.8	01-02		Mems 3	30220300		CD1
MINI	1.3L	P	1.3	96-00		Mems 1.6 SPi NON-CAT	30220300		SD21.3
MINI	1.3L	P	1.3	96-00		Mems 1.6 SPi CAT	30220300		SD21.3
MINI	1.3L	P	1.3	96-00		Mems 1.6 STAND.Mpi	30220300		SD21.3
TF		P/D	1.8	01-04		Mems 3	30220300		CD1
ZR		P/D	1.4	01-04		Mems 3	30220300		CD1
ZS		P/D	1.8	01-04		Mems 3	30220300		CD1
ZS		P/D	All	01-04		Mems 3	30220300		CD1

Rover-MG KEYCODING KEYS

100 SERIES		P/D	All	95-98		5AS	30220300		SD16.3
100 SERIES		P/D	All	95-98		EKA	30220300		SD16.3
200 SERIES		P/D	All	95-99		5AS	30220300		SD16.3
200 SERIES		P/D	All	00-02		EKA	30220300		SD16.3
200 SERIES		P/D	All	95-99		EKA	30220300		SD16.3
25 SERIES		P/D	All	99-05		5AS	30220300		SD16.3
25 SERIES		P/D	All	99-05		EKA	30220300		SD16.3
25 SERIES		P/D	All	04-06		Pektron	30220300		SD20.0
400 SERIES		P/D	All	95-99		5AS	30220300		SD16.3
400 SERIES		P/D	All	00-02		EKA	30220300		SD16.3
400 SERIES		P/D	All	95-99		EKA	30220300		SD16.3
45 SERIES		P/D	All	99-05		5AS	30220300		SD16.3
45 SERIES		P/D	All	99-05		EKA	30220300		SD16.3
45 SERIES		P/D	All	04-06		Pektron	30220300		SD20.0
600 SERIES		P/D	All	95-99		EKA	30220300		SD16.3
800 SERIES		P/D	All	95-99		EKA	30220300		SD16.3
METRO		P/D	All	93-94		EKA	30220300		SD16.3
MG-F		P/D	All	95-02		5AS	30220300		SD16.3
MG-F		P/D	All	95-02		EKA	30220300		SD16.3
MINI		P/D	All	95-00		5AS	30220300		SD16.3
MINI		P/D	All	95-00		EKA	30220300		SD16.3
ZR		P/D	All	95-02		EKA	30220300		SD16.3
ZR		P/D	All	04-06		Pektron	30220300		SD20.0
ZS		P/D	All	95-02		EKA	30220300		SD16.3
ZS		P/D	All	04-06		Pektron	30220300		SD20.0

SAAB KEYCODING KEYS

93		P/D	All	98-05		All Variants	30220300		SD16.3

SAAB KEYCODING KEYS								
95		P/D	All	97-05	All Variants	30220300	SD16.3
Seat KEYCODING KEYS								
ALHAMBRA		P/D		93-07	Immo 1	30220300	SD16.3
ALHAMBRA		P/D		93-07	Immo 2	30220300	SD16.3
ALTEA		P/D		04-07	CAN Keys	30220300	SD16.3
ALTEA		P/D		04-07	CAN Remote	30220300	SD16.3
AROSA		P/D		96-05	Immo 1	30220300	SD16.3
AROSA		P/D		96-05	Immo 2	30220300	SD16.3
CORDOBA		P/D		93-05	Immo 1	30220300	SD16.3
CORDOBA		P/D		93-05	Immo 2	30220300	SD16.3
IBIZA		P/D		92-07	Immo 1	30220300	SD16.3
IBIZA		P/D		92-07	Immo 2	30220300	SD16.3
IBIZA		P/D		08-09	Immo 1	30220300	SD16.3
IBIZA		P/D		08-09	Immo 2	30220300	SD16.3
LEON	(1P)	P/D		05-09	CAN Keys	30220300	SD16.3
LEON	(1P)	P/D		05-09	CAN Remote	30220300	SD16.3
LEON		P/D		98-04	Immo 1	30220300	SD16.3
LEON		P/D		98-04	Immo 2	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Keys	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Keys	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Keys	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Remote	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Remote	30220300	SD16.3
TOLEDO	(5P)	P/D		05-09	CAN Remote	30220300	SD16.3
TOLEDO		P/D		91-04	Immo 1	30220300	SD16.3
TOLEDO		P/D		91-04	Immo 2	30220300	SD16.3
Seat PIN EXTRACTION								
ALHAMBRA		P/D		93-07	MOTOMETER DASH	30220300	SD16.3
ALHAMBRA		**P/D**		**93-07**	**VDO DASH**	**30220300**	**SD24.0**
ALHAMBRA		P/D		93-07	EMS	30220300	SD16.3
AROSA		P/D		96-05	MOTOMETER DASH	30220300	SD16.3
AROSA		**P/D**		**96-05**	**VDO DASH**	**30220300**	**SD24.0**
AROSA		P/D		96-05	EMS	30220300	SD16.3
CORDOBA		P/D		93-05	MOTOMETER DASH	30220300	SD16.3
CORDOBA		**P/D**		**93-05**	**VDO DASH**	**30220300**	**SD24.0**
CORDOBA		P/D		93-05	EMS	30220300	SD16.3
IBIZA		P/D		92-07	MOTOMETER DASH	30220300	SD16.3
IBIZA		P/D		08-09	MOTOMETER DASH	30220300	SD16.3
IBIZA		**P/D**		**92-07**	**VDO DASH**	**30220300**	**SD24.0**
IBIZA		**P/D**		**08-09**	**VDO DASH**	**30220300**	**SD24.0**
IBIZA		P/D		92-07	EMS	30220300	SD16.3
IBIZA		P/D		08-09	EMS	30220300	SD16.3
LEON		P/D		98-04	MOTOMETER DASH	30220300	SD16.3
LEON		**P/D**		**98-04**	**VDO DASH**	**30220300**	**SD24.0**
LEON		P/D		98-04	EMS	30220300	SD16.3
TOLEDO		P/D		91-04	MOTOMETER DASH	30220300	SD16.3
TOLEDO		**P/D**		**91-04**	**VDO DASH**	**30220300**	**SD24.0**
TOLEDO		P/D		91-04	EMS	30220300	SD16.3
Skoda KEYCODING KEYS								
FABIA		P/D		99-07	Immo 1	30220300	SD16.3
FABIA		P/D		99-07	Immo 2	30220300	SD16.3
FELICIA		P/D		94-01	Immo 1	30220300	SD16.3
FELICIA		P/D		94-01	Immo 2	30220300	SD16.3
OCTAVIA		P/D		96-04	Immo 1	30220300	SD16.3
OCTAVIA		P/D		96-04	Immo 2	30220300	SD16.3
OCTAVIA II		P/D		04-09	CAN Keys	30220300	SD16.3
OCTAVIA II		P/D		04-09	CAN Remote	30220300	SD16.3
Skoda PIN EXTRACTION								
FABIA		P/D		99-07	MOTOMETER DASH	30220300	SD16.3
FABIA		**P/D**		**99-07**	**VDO DASH**	**30220300**	**SD24.0**
FABIA		P/D		99-07	EMS	30220300	SD16.3
FELICIA		P/D		94-01	MOTOMETER DASH	30220300	SD16.3
FELICIA		**P/D**		**94-01**	**VDO DASH**	**30220300**	**SD24.0**
FELICIA		P/D		94-01	EMS	30220300	SD16.3
OCTAVIA		P/D		96-04	MOTOMETER DASH	30220300	SD16.3
OCTAVIA		**P/D**		**96-04**	**VDO DASH**	**30220300**	**SD24.0**
OCTAVIA		P/D		96-04	EMS	30220300	SD16.3
Subaru KEYCODING KEYS								
OUTBACK		P/D	All	96-00	Immo 1	30220300	SD16.3
OUTBACK		P/D	All	00-	Immo 2	30220300	SD16.3
Suzuki KEYCODING KEYS								
BALENO DHW		P/D	All	97-02	Immobiliser 2	30220300	SD16.3
WAGON R		P/D	All	97-05	Immobiliser 2	30220300	SD16.3
Toyota KEYCODING KEYS								
AVENSIS		P/D	All		Auto Detect	30220300	SD16.3
AVENSIS II		P/D	All		Auto Detect	30220300	SD16.3
AVENSIS VERSO		P/D	All		Auto Detect	30220300	SD16.3
COROLLA		P/D	All		Auto Detect	30220300	SD16.3
COROLLA		P/D	All		Auto Detect	30220300	SD16.3
COROLLA VERSO		P/D	All		Auto Detect	30220300	SD16.3
LANDCRUISER	AMAZON	P/D	All		Auto Detect	30220300	SD16.3
LANDCRUISER	COLORADO	P/D	All		Auto Detect	30220300	SD16.3
LANDCRUISER	COLORADO	P/D	All		Auto Detect	30220300	SD16.3
MR2		P/D	All		Auto Detect	30220300	SD16.3
PREVIA		P/D	All		Auto Detect	30220300	SD16.3
RAV4		P/D	All		Auto Detect	30220300	SD16.3
YARIS		P/D	All		Auto Detect	30220300	SD16.3
YARIS VERSO		P/D	All		Auto Detect	30220300	SD16.3
Volkswagen KEYCODING KEYS								
BEETLE		P/D	All	98-04	Immo 1	30220300	SD16.3

Volkswagen KEYCODING KEYS

BEETLE		P/D	All	98-04	Immo 2	30220300	SD16.3
BORA		P/D		97-01	Immo 1	30220300	SD16.3
BORA		P/D		97-01	Immo 2	30220300	SD16.3
CADDY		P/D		96-03	Immo 1	30220300	SD16.3
CADDY		P/D		96-03	Immo 2	30220300	SD16.3
CORRADO		P/D	All	95	Immo 1	30220300	SD16.3
CORRADO		P/D	All	95	Immo 2	30220300	SD16.3
EOS	(1K)	P/D		05-07	CAN Keys	30220300	SD16.3
EOS	(1K)	P/D		05-07	CAN Remote	30220300	SD16.3
GOLF	(1K)	P/D		04-09	CAN Keys	30220300	SD16.3
GOLF	(1K)	P/D		04-09	CAN Remote	30220300	SD16.3
GOLF		P/D		95-04	Immo 1	30220300	SD16.3
GOLF		P/D		95-04	Immo 2	30220300	SD16.3
JETTA	(1K)	P/D		05-07	CAN Keys	30220300	SD16.3
JETTA	(1K)	P/D		05-07	CAN Remote	30220300	SD16.3
LUPO		P/D		98-06	Immo 1	30220300	SD16.3
LUPO		P/D		98-06	Immo 2	30220300	SD16.3
PASSAT	(3C)	P/D		05-07	CAN Keys	30220300	SD16.3
PASSAT	(3C)	P/D		05-07	CAN Remote	30220300	SD16.3
PASSAT		P/D		95-03	Immo 1	30220300	SD16.3
PASSAT		P/D		95-03	Immo 2	30220300	SD16.3
POLO		P/D		87-07	Immo 1	30220300	SD16.3
POLO		P/D		87-07	Immo 2	30220300	SD16.3
SHARAN		P/D		95-03	Immo 1	30220300	SD16.3
SHARAN		P/D		95-03	Immo 2	30220300	SD16.3
TOURAN	(1T)	P/D		06-07	CAN Keys	30220300	SD16.3
TOURAN	(1T)	P/D		06-07	CAN Remote	30220300	SD16.3
VENTO		P/D		91-98	Immo 1	30220300	SD16.3
VENTO		P/D		91-98	Immo 2	30220300	SD16.3

Volkswagen PIN EXTRACTION

BEETLE		P/D	All	98-04	MOTOMETER DASH	30220300	SD16.3
BEETLE		**P/D**	**All**	**98-04**	**VDO DASH**	**30220300**	**SD24.0**
BEETLE		P/D	All	98-04	EMS	30220300	SD16.3
BORA		P/D		97-01	MOTOMETER DASH	30220300	SD16.3
BORA		**P/D**		**97-01**	**VDO DASH**	**30220300**	**SD24.0**
BORA		P/D		97-01	EMS	30220300	SD16.3
CADDY		P/D		96-03	MOTOMETER DASH	30220300	SD16.3
CADDY		**P/D**		**96-03**	**VDO DASH**	**30220300**	**SD24.0**
CADDY		P/D		96-03	EMS	30220300	SD16.3
CORRADO		P/D	All	95	MOTOMETER DASH	30220300	SD16.3
CORRADO		**P/D**	**All**	**95**	**VDO DASH**	**30220300**	**SD24.0**
CORRADO		P/D	All	95	EMS	30220300	SD16.3
GOLF		P/D		95-04	MOTOMETER DASH	30220300	SD16.3
GOLF		P/D		99-03	MOTOMETER DASH	30220300	SD16.3
GOLF		**P/D**		**95-04**	**VDO DASH**	**30220300**	**SD24.0**
GOLF		**P/D**		**99-03**	**VDO DASH**	**30220300**	**SD24.0**
GOLF		P/D		95-04	EMS	30220300	SD16.3
GOLF		P/D		99-03	EMS	30220300	SD16.3
LUPO		P/D		98-06	MOTOMETER DASH	30220300	SD16.3
LUPO		**P/D**		**98-06**	**VDO DASH**	**30220300**	**SD24.0**
LUPO		P/D		98-06	EMS	30220300	SD16.3
PASSAT		P/D		95-03	MOTOMETER DASH	30220300	SD16.3
PASSAT		**P/D**		**95-03**	**VDO DASH**	**30220300**	**SD24.0**
PASSAT		P/D		95-03	EMS	30220300	SD16.3
POLO		P/D		87-07	MOTOMETER DASH	30220300	SD16.3
POLO		**P/D**		**87-07**	**VDO DASH**	**30220300**	**SD24.0**
POLO		P/D		87-07	EMS	30220300	SD16.3
SHARAN		P/D		95-03	MOTOMETER DASH	30220300	SD16.3
SHARAN		**P/D**		**95-03**	**VDO DASH**	**30220300**	**SD24.0**
SHARAN		P/D		95-03	EMS	30220300	SD16.3
VENTO		P/D		91-98	MOTOMETER DASH	30220300	SD16.3
VENTO		**P/D**		**91-98**	**VDO DASH**	**30220300**	**SD24.0**
VENTO		P/D		91-98	EMS	30220300	SD16.3

Citroen KEYCODING KEYS

BERLINGO		**P/D**	**All**		**Immo 1**	**30220300**	**SD24.0**
DISPATCH		**P/D**	**All**		**Immo 1**	**30220300**	**SD24.0**
SAXO		**P/D**	**All**		**Immo 1**	**30220300**	**SD24.0**
XANTIA		**P/D**	**All**		**Immo 1**	**30220300**	**SD24.0**

Peugeot KEYCODING KEYS

206		**P/D**	**All**		**Immo1**	**30220300**	**SD24.0**
607		**P/D**	**All**		**Immo1**	**30220300**	**SD24.0**

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