

ADVANCED DIAGNOSTICS

Unlocking Technology

PROTON

(Version 2.2)



World Leaders In Automotive Key Programming Equipment

www.advanced-diagnostics.com





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InfoQuest

Vehicle Data Search

WWW.ADUSA.US

Applications are continually updated as vehicles are constantly added.

To ensure you have the very latest information,
the applications list is available via Info Quest - an online portal
containing vehicle technical data for key & remote programming
for all manufacturers.

To view the latest vehicle applications please visit

Info Quest at

<http://iq.advanced-diagnostics.co.uk/>

Proton Software

ADS128 Proton

DIAGNOSTIC SOCKETS/PORTS

B

PROTON



IMPIAN



JUMPBUCK



SATRIA



GEN 2



PERSONA



1.5 GLS

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US

GENERAL OPERATION

There are 3 different immobiliser systems fitted to the Proton range as follows :-

NOTE:

- A. Always make sure that you are fully aware of the difference between Type 2 BLUE keys and Type 3 BLUE keys before programming.
- B. When programming Impian keys, the alarm will need programming as well, details below.

IMPIAN/JUMBUCK Alarm Fob reprogramming

1. Alarm system must be disarmed before procedure using the reset switch or ignition key.
2. Turn ignition ON and PRESS & HOLD the alarm reset switch.
3. Turn ignition OFF and remove the key from ignition.
4. Turn ignition ON.
5. Release the ALARM switch, and press ONCE.
6. The alarm LED should flash 2 times during coding.
7. With ignition ON press the LOCK button on the alarm remote control.
8. The alarm should beep once if programmed.
9. Repeat for additional remote controls.
10. Switch ignition OFF.

NOTE : All existing remote controls will be erased.

FUNCTIONS AVAILABLE

- ECU IDENTIFICATION
- FAULT CODE READING
- FAULT CODE CLEARING
- PROGRAM KEYS

SPECIAL FUNCTIONS

PROTON—MITSUBISHI SYSTEM

PROGRAM KEYS

VEHICLE SELECTION

+ LANCIA
+ MITSUBISHI
+ NISSAN
+ PEUGEOT
+ PROTON
+ SUZUKI

VEHICLE SELECTION

GEN 2
IMPIAN
JUMBUCK
PERSONA
SAVVY
WAJA

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

ECU : 32 6

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAM KEYS

DIAGNOSTIC MENU

KEYS PROGRAMMED
PROGRAM KEYS

PRESS ENTER KEY

KEYS PROGRAMMED

KEYS PROGRAMMED : 2

PRESS ENTER KEY

NOTE : ONCE YOU HAVE TURNED
IGNITION ON WITH AN
UNPROGRAMMED KEY, DO NOT
TURN OFF AS THE SYSTEM WILL
LOCK FOR 25 MINUTES. TO RESET
YOU MUST LEAVE IGNITION ON
FOR 25 MINUTES THEN PROCEED
TO KEY PROGRAMMING.

DIAGNOSTIC MENU

KEYS PROGRAMMED
PROGRAM KEYS

PRESS ENTER KEY

PROGRAM KEYS

.....

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PROGRAM KEYS

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

PROGRAM KEYS

NOTE : REPEAT PROGRAM
KEYS FOR ALL ADDITIONAL
KEYS AND EXISTING KEYS.

SPECIAL FUNCTIONS

PROTON SYSTEMS

PROGRAM KEYS

VEHICLE SELECTION

- + LANCIA
- + MITSUBISHI
- + NISSAN
- + PEUGEOT
- + PROTON**
- + SUZUKI

VEHICLE SELECTION

- GEN 2
- IMPIAN
- JUMBUCK
- PERSONA
- SAVVY
- WIRA**

VEHICLE SELECTION

- TYPE 1**
- TYPE 2
- TYPE 3

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

ECU : 1100e45650

PRESS ENTER KEY

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

PROGRAM KEYS

DIAGNOSTIC MENU

PROGRAM KEYS

PRESS ENTER KEY

PROGRAM KEYS

SUCCESSFUL
PROGRAM NEXT KEY



PROGRAM KEYS

REMOVE KEY FROM IGN.
THEN INSERT NEXT KEY

PRESS ENTER KEY

PROGRAM KEYS

SUCCESSFUL
PROGRAM NEXT KEY



PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SPECIAL FUNCTIONS

PROTON MANUAL KEY PROGRAMMING

The following procedure is for systems which do not have diagnostic key programming :-

Procedure

1. Remove the steering column cowling and take the transponder aerial off of the ignition barrel
2. Use an un-programmed key to turn the ignition **on**, the LED will flash constantly or be on all the time (depending on model)
3. Turn the ignition **off**, the light will go out for 5 seconds and then flash or be on all the time (depending on model)
4. Turn the ignition **on**, the light will go out for 5 seconds and then flash or be on all the time (depending on model)
5. Using a key that is already programmed (or a chip from the VTI kit supplied with a new immobiliser), hold it inside the aerial loop until the LED goes out.
6. Turn the ignition **off** and remove all keys/transponders from the aerial loop, the LED will now flash or be on all the time (depending on model)
7. Re-introduce the pre-programmed key or transponder to the aerial loop, the LED will go out to indicate this key/transponder is now programmed
8. The LED will again begin to flash/light up constantly to indicate further programming is possible. Insert the next key/transponder into the aerial loop and wait for the LED to go out. Remove the key/transponder from the aerial loop.
9. Repeat the above step for all keys/transponders
10. Exit the programming function by turning the ignition **on** and then **off**, the immobiliser will then be armed for normal use.

TIPS & HINTS



1. ALL existing keys are erased when programming is completed. Ensure all keys are with the vehicle before programming.
2. If the system has been accessed incorrectly by another piece of equipment then a security wait time of 16 minutes is required before attempting to program keys.
3. PIN for Wira is 2464 or 8577.
4. The IMPIAN vehicle is Mitsubishi and therefore if you insert a non-working key into the ignition, and then turn it off before programming, the system is in lock mode, so the clear time is 25 minutes ignition ON, then DO NOT turn ignition OFF before programming.
5. Do not insert un-programmed key into ignition and switch off, until programming complete. Otherwise the system will enter theft mode. To overcome theft mode leave the ignition on for 25 minutes and then program key.
6. If an error is received when programming keys, check the correct cable is being used, adc129.
7. Attempting to program an already programmed key will cause an "error" message.
8. If keys are programmed the EMS warning light extinguishes when the pump relay switches off (approx 3 sec after the ignition is turned on). If they are not programmed the light will flash.
9. When programming new keys into the system, it is important to check that no fault codes are set, and to make sure any which are set, are erased or fixed as required.
6. If the system has been accessed incorrectly by another piece of equipment then a security wait time of 16 minutes is required before attempting to program keys.
7. Once key programming has been performed, then any fault codes set must be erased.
8. On later systems the immobiliser ECU is linked with the Engine Management ECU and if this is replaced then the Immobiliser ECU and key antenna should be replaced.

BATTERY RESET PROCEDURE

Under certain circumstances it is possible for the immobilizer and engine control unit to become locked. This may present itself in a number of different ways. It can cause :-

- Communication with the programmer to cease.
- The vehicle may crank but not start.
- The immobilizer warning light may be off or on all the time.
- It may not be possible to program transponders/remotes.

To overcome this follow the following procedure :-

- Remove all battery chargers and jump packs.
- Disconnect battery positive lead and negative lead.
- Touch the positive and negative cables together for 10 seconds. (WARNING - Do Not Try this on vehicles with a stop/ start button)
- Reconnect the positive battery cable.
- Reconnect the negative battery cable.

PRECAUTIONS

IMPORTANT : PLEASE ENSURE ALL PRECAUTIONS ARE OBSERVED AS INDICATED AT THE FRONT OF THE OPERATING MANUAL.

IN PARTICULAR : For vehicles fitted with STOP/START technology, the battery leads must not be shorted together when the battery is disconnected as this can lead to damage to the car and potential personal injury.

REMOTE PROGRAMMING



GENERAL

Procedure

1. Remove the steering column cowling and take the transponder aerial off of the ignition barrel
2. Use an un-programmed key to turn the ignition **on**, the LED will flash constantly or be on all the time (depending on model)
3. Turn the ignition **off**, the light will go out for 5 seconds and then flash or be on all the time (depending on model)
4. Turn the ignition **on**, the light will go out for 5 seconds and then flash or be on all the time (depending on model)
5. Using a key that is already programmed (or a chip from the VTI kit supplied with a new immobiliser), hold it inside the aerial loop until the LED goes out.
6. Turn the ignition **off** and remove all keys/transponders from the aerial loop, the LED will now flash or be on all the time (depending on model)
7. Re-introduce the pre-programmed key or transponder to the aerial loop, the LED will go out to indicate this key/transponder is now programmed
8. The LED will again begin to flash/light up constantly to indicate further programming is possible. Insert the next key/transponder into the aerial loop and wait for the LED to go out. Remove the key/transponder from the aerial loop.
9. Repeat the above step for all keys/transponders
10. Exit the programming function by turning the ignition **on** and then **off**, the immobiliser will then be armed for normal use

JUMPBUCK, GEN 2 AND IMPIAN

Procedure

1. Switch the ignition on and press and hold the alarm reset switch usually on the centre console next to the fog light switch
2. Switch the ignition off, remove the key from the ignition switch then return the ignition to "ON"
3. Release the alarm switch and operate it once (the alarm LED should flash twice)
4. Still with the ignition on, operate the lock button on the first remote, the alarm should sound once to confirm
5. Still with the ignition on, operate the lock button on the second remote fob- again the alarm will beep once to confirm.
6. Switch the ignition off

Note: All remotes must be programmed in this session as old one's will be deleted.



AD900Pro

Transponder Cloning

The most advanced key transponder cloning tool in the market - that reads, writes, copies, a wide range of automotive transponders world-wide. Complimenting the AD100Pro / MVPPro.



AD600

Code Wizard Pro
PINCODE Generator

AD600 is a software program that supports various vehicle manufacturers and provides the ability to generate immobiliser PINCODES, mechanical key codes including dealer tool security codes.



AD35

Remote Control Tester

AD35 is an innovative remote control tester developed to assist with the diagnosis of all types of (IR) Infra Red & (RF) Radio Frequency remote controls for all makes & models.