

N Black  
R Red  
Ro Pink  
V Green  
Vi Purple

---

## Checks and inspections

---

### Dashboard

#### Immobilizer

The immobilizer system is integrated to the instrument panel electronic card. The card structure should admit instrument panels without immobilizer or with the immobilizer function disabled, to be used in countries where immobilizer systems are not allowed or not fitted.

The supplier shall be responsible for homologating the instrument panel immobilizer device according to the regulations set by the Ministry of Post & Telecommunications of the different countries, and for sticking the adequate system certification labels on the instrument panel.

#### Operation

Upon starting the vehicle the instrument panel will read the key code. If it corresponds to one of the stored codes, the instrument panel will carry out the initial check and enable the vehicle start-up.

Up to four keys should be stored.

If the key code is not recognised, the instrument panel disables the vehicle start-up, the display shows the request of the manual unlocking code; in this case the menu should be accessed through the diagnosis function.

#### Code

This function is used to manually unlock the immobilizer by entering a code. If the instrument panel does not recognise the key inserted, entering the access code is requested, and the following message is displayed:

- Enter the code

The code must have 5 characters selected between 0-9. At the end of the line, the code will be empty (five 0 digits or rather 00000) and it will be programmed by the user. If the code is not entered within 10 seconds, an alarm message is displayed:

- Remember to enter the user code

This code can be modified by the user after re-entering of the old code, and if the user has lost the access code, by means of a code entering procedure requiring inserting both keys the user has.

---

### Programming keys at first start-up

The customer is provided with two keys, both with transponder in the handgrip. The instrument panel requests programming the keys when it is turned on for the first time.

The display shows the following message:

- Insert the X key
- X+1 key programmed

At least one key must be stored, for the next start-ups. If no other keys are inserted within 20 seconds or if there is lack of power or after the fourth key is programmed, the procedure finishes and all the functions of the vehicle and the instrument panel must be enabled (even if only one key has been programmed).

### Programming new keys

If one key is lost, the customer can disable the lost key or disable and replace the whole key set by changing the key lock.

### CONNECTOR

The connector diagram on the instrument panel and the relevant pin configuration are shown in the figure.

The numbers are also stamped on the plastic part of the connectors and also on the connector body.

The pin configuration of the grey-bodied connector is as follows:

- PIN 1: + LIVE
- PIN 2: RIGHT INDICATOR CONTROL
- PIN 3: INPUT FOR HIGH-BEAM LIGHTS
- PIN 4: -
- PIN 5: CHRONOMETER (OPTIONAL)
- PIN 6: K LINE
- PIN 7: SELECTION TUONO / RSV 1000
- PIN 8: SELECT 1 - SET
- PIN 9: FUEL LEVEL SENSOR
- PIN 10: -

