Fiat Key Code System Descriptions

The immediately following description is associated with the wiring diagram.

“E7010 CODE DESCRIPTION

Description

To increase protection against theft attempts, an engine immobilizer system known as the FIAT CODE-2 is used.The keys are equipped with an electronic Transponder device that sends a coded signal to a special electronic CODE control unit. If the code transmitted is recognised as valid, the control unit allows the engine to be started. Because the code used in the communication - which takes place via aerial - changes at each start-up (rolling code), the code may not be reproduced even using electronic scanners. The CODE control unit and the engine management unit exchange information on the code received from the key inserted. If the code of the key in question is correct, the engine management control unit enables engine ignition. The entire system is protected by dedicated fuses housed in the engine bay and under-facia junction unit and a further maxifuse housed in the battery control unit.”

The next section is buried in “Desriptions – Engine – Fuel System”

“Engine immobiliser function control

The system is equipped with an engine immobiliser. This function is executed by a control unit (Fiat CODE) able to communicate with the engine control unit and an electronic key with a transmitter that sends out a recognition code. Whenever the key is turned OFF, the Fiat CODE system fully deactivates the engine control unit.

When the key is turned ON, the following operations take place in sequence:

- the engine control unit (with the secret code in its memory) sends the Fiat CODE control unit a secret code request that deactivates the function lock;
- the Fiat CODE control unit responds by sending back the secret code only once it has received, in turn, a recognition code sent by the ignition key.
- secret code recognition allows engine control unit lock deactivation and resumption of normal operation.”