ENGINE IMMOBILIZER SYSTEM

■ DESCRIPTION

The engine immobilizer system compares the ID code that is registered in the transponder key ECU with the ID code of the transponder chip that is embedded in the ignition key. The system unsets if these ID codes match. Thus, the transponder key ECU and engine ECU communicate with each other to authorize fuel injection and ignition, enabling the engine to start.

- The system is standard equipment on the models (except the general countries models) without the smart entry & start system.
- The engine immobilizer function is provided for the smart entry & start system. For details, see page BE-60.

Service Tip

When replacing the transponder key ECU or adding a new ignition key, the key's recognition code must be registered.

- On the Europe models, when the transponder key ECU has been replaced, the intelligent tester II is necessary for the key registration. At this time, the total number of keys that can be registered is two (master key: two).
- On the models other than the Europe models, when the transponder key ECU has been replaced, the automatic registration mode begins. At this time, the total number of keys that can be registered is three (master key: two, sub key: one).
- The recognition code of additional keys must be registered. At this time, the total number of keys that can be registered is eight (master key: five, sub key: three).

For details, see the Yaris Repair Manual (Pub. No. RM00S1E).