■ KEY CODE REGISTRATION FUNCTION

The table below shows the 3 special ID code registration function modes through which up to 4 different transmitter recognition codes can be registered. For details, refer to the Repair Manual.

Mode	Function
Rewrite	Clears all previously registered codes and registers only the newly received codes. This mode is used whenever the certification ECU (smart key ECU assembly) is replaced.
Add	Adds a newly received code while preserving previously registered codes. This mode is used when adding a new transmitter.
Confirm	Confirms how many codes are currently registered. When adding a new code, this mode is used to check how many codes already exist.

■ DIAGNOSIS

a. The certification ECU (smart key ECU assembly) can detect malfunctions in the entry and start system when the power source is on (IG).

b. When the ECUs detect a malfunction, the display a message in the multi-information display and blinks the key operation/warning light in amber to warn the driver. At the same time, the ECUs store a 5-digit Diagnostic Trouble Code (DTC) in its memory.

c. The 5-digit DTCs can be read after connecting the Global TechStream (GTS) to the DLC3.

d. The entry and start system may not operate successfully if a malfunction occurs.

e. For details, refer to the Repair Manual.

■ ENGINE IMMOBILISER FUNCTION

- When the power is turned off from the state of either ACC or IG ON, the security indicator light in the combination meter assembly continuously blinks in a cycle of approximately 2.0 seconds (turns on approximately 0.2 seconds/turns off approximately 1.8 seconds) to indicate that the engine immobilizer system has been set.
- When the engine switch is pressed, verification is implemented in the vehicle interior. After the verification and only if the ID code matches, the immobilizer system is released, the security indicator light in the combination meter assembly goes off, and starting the engine is allowed.
- If the system does not operate normally such as when the electrical key battery runs out or the radio wave environment around the system is deteriorated (there is a strong noise), press the brake pedal and touch the electrical key to the engine switch. This causes the generation of electromagnetic wave around the engine switch (to form a magnetic field). Accordingly, the ID code is emitted from the transponder (communication chip) built-in to the electrical key and a verification with the ID code registered in the certification ECU (smart key ECU assembly) is implemented.