

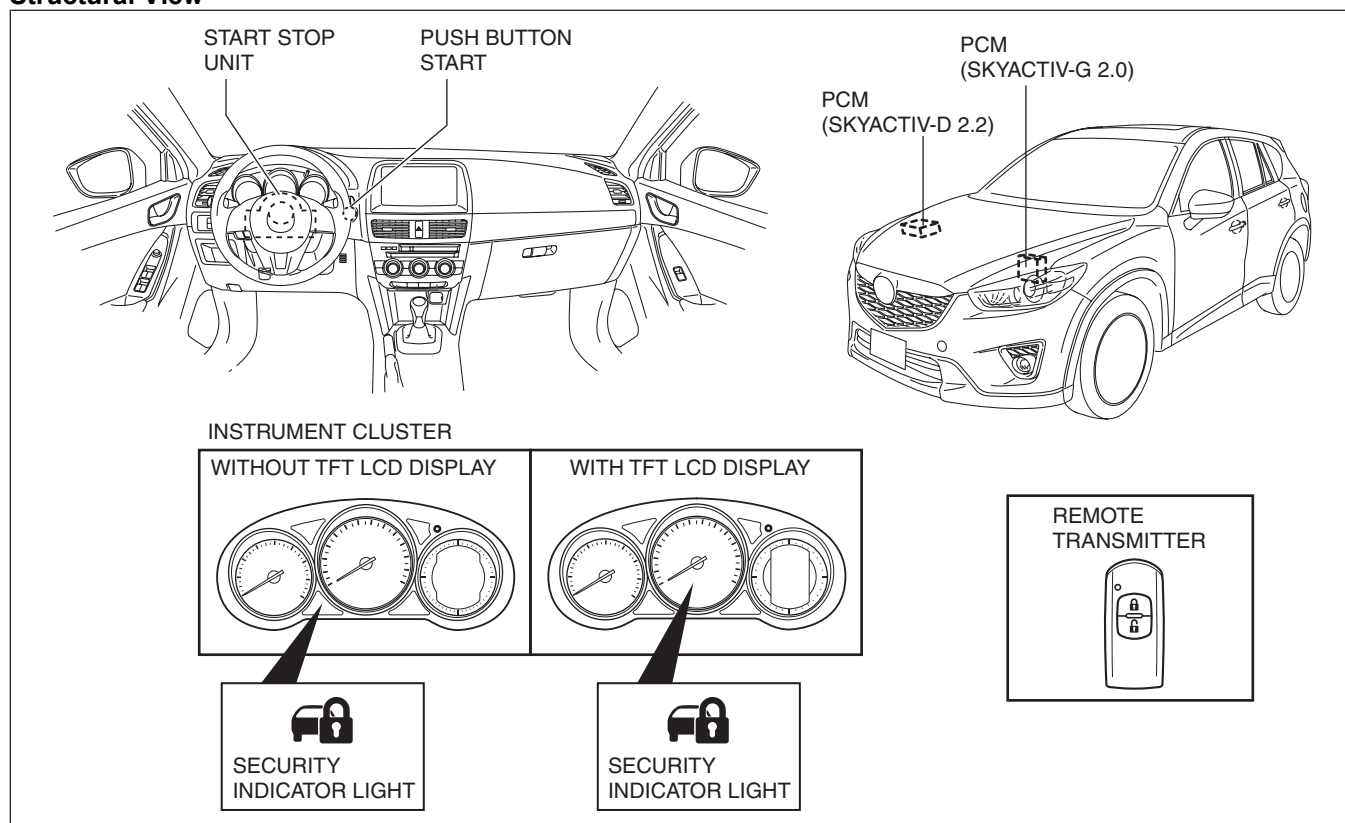
IMMOBILIZER SYSTEM

id091400107700

Outline

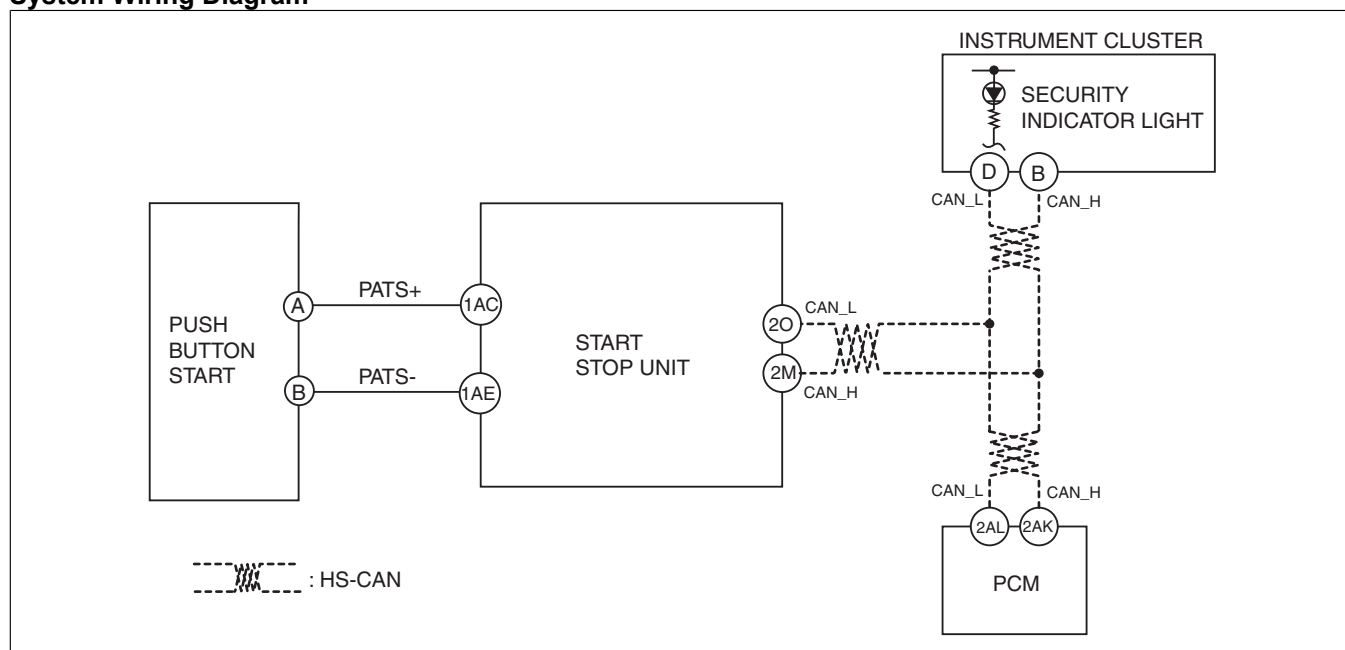
- The immobilizer system is a vehicle theft prevention device that only allows remote transmitters that have been previously programmed to the vehicle to start the engine.
- The start stop unit performs immobilizer system fail-safe. (See START STOP UNIT.)

Structural View



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System Wiring Diagram



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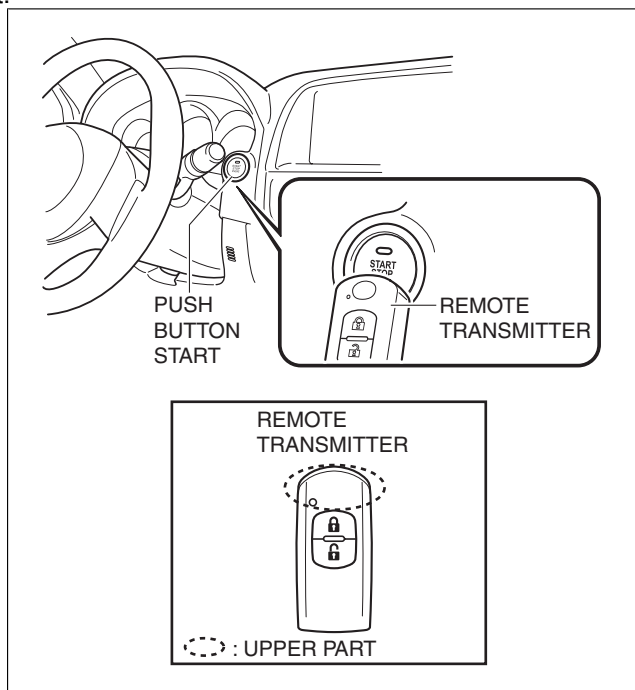
Function

- The immobilizer system-related parts programmed to the immobilizer system have a programmed key ID number, and starting the engine is only permitted when the key ID number matches.

- Immobilizer system-related parts can be programmed using the Mazda Modular Diagnostic System (M-MDS).
- A maximum 6 remote transmitters can be programmed to one vehicle.
- If the following parts are replaced, it is necessary to program them to the immobilizer system.
 - Remote transmitter (transponder)
 - PCM
 - Start stop unit

Key code read function

- The coil antenna is integrated with the push button start.
- By touching the upper part of the remote transmitter to the push button start, the coil antenna reads the key code from the transponder integrated with the remote transmitter.



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Operation

- Operate in the following order to allow engine starting.

