
POWER SUPPLY SWITCHING

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Outline

- By pressing the push button start, switching of the power supply is performed.

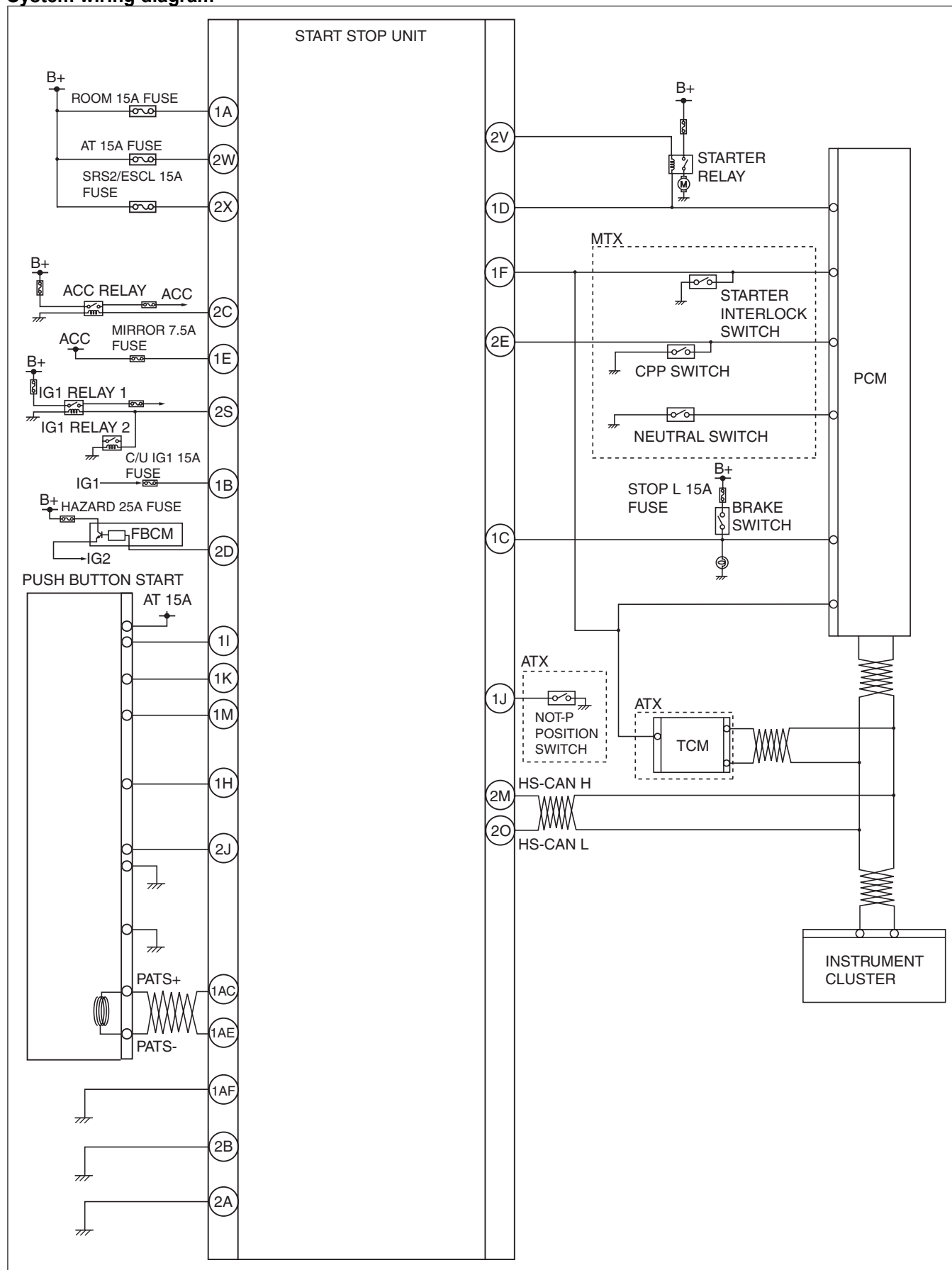
Function

- The start stop unit switches the power supply according to the vehicle conditions such as the selector lever (ATX)/ shift lever (MTX) position and the pedal depression/release when the push button start is pressed.

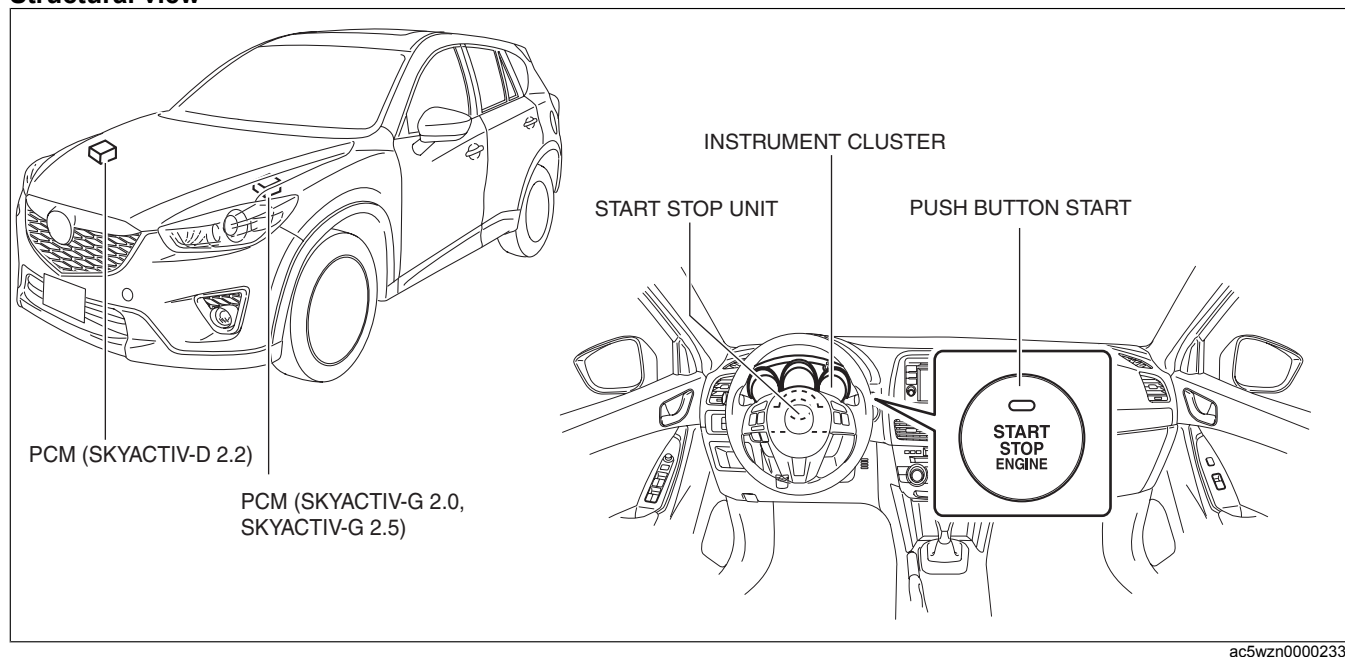
Push button start indicator light

- Illuminates the push button start indicator light to notify the driver of the power supply status.

System wiring diagram



Structural view



Operation

Switches between ignition switch ON (engine on)/ON (engine off)/ACC/ OFF (LOCK).

1. When the push button start is pressed, a push button start switch signal is input to the start stop unit.
2. The power supply switches according to the vehicle conditions such as the selector lever (ATX)/shift lever (MTX) position and the pedal depression/release.

Note

- Refer to the Push Button Start System Engine Start Permit Function regarding the engine starting conditions. (See PUSH BUTTON START SYSTEM [ADVANCED KEYLESS ENTRY SYSTEM].) (See PUSH BUTTON START SYSTEM [KEYLESS ENTRY SYSTEM].)

MTX

IGNITION	SHIFT LEVER POSITION	
	ALL	
	CLUTCH PEDAL RELEASED	CLUTCH PEDAL DEPRESSED
OFF (LOCK)*	↓ ↑ ↑	↓ ↑
ACC	↓ ↓ ↑	↓ ↓ ↑
ON (ENGINE OFF)	↓ ↑	↓ ↓ ↓
ON (ENGINE ON)	↑	↓ ↓ ↓ ↑

ATX

IGNITION	SELECTOR LEVER POSITION					
	P		N		OTHER THAN P AND N	
	BRAKE PEDAL RELEASED	BRAKE PEDAL DEPRESSED	BRAKE PEDAL RELEASED	BRAKE PEDAL DEPRESSED	BRAKE PEDAL RELEASED	BRAKE PEDAL DEPRESSED
OFF (LOCK)*	↓ ↑ ↑	↓ ↑	↓	↓	↓	↓
ACC	↓ ↓ ↑	↓ ↓ ↑	↓ ↓ ↑	↓ ↓ ↑	↓ ↓ ↑	↓ ↓ ↑
ON (ENGINE OFF)	↓ ↑	↓ ↓ ↓	↓ ↑	↓ ↓ ↓	↓ ↑	↓ ↓ ↓
ON (ENGINE ON)	↑	↓ ↓ ↓ ↑	↑	↓ ↓ ↓ ↑	↑	↓ ↓ ↓ ↑

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* : To switch the ignition to ACC or off (LOCK) from ON (engine on), a vehicle speed of 5 km/h {3 mph} or less is required.

Automatic ignition switch off

- If the ignition has been switched to ACC for 25 min or more, the start stop unit automatically switches the ignition off (LOCK).

Engine Emergency Stop

- If an ignition switch ON signal is input for 3 s or more (ignition switch held pressed), or a push button start ON signal is input 3 times within 1.5 s, the start stop unit switches the ignition to ACC or off (LOCK).

Push button start indicator light

Green illumination

- Illuminates if the conditions necessary for engine-start are met.

Green flashing

- Flashes when the steering lock cannot be released.

Amber illumination

- Illuminates when the steering lock has been released or there is a malfunction in the system.

Amber flashing

- Flashes when a malfunction is detected.



PUSH BUTTON START
INDICATOR LIGHT

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Fail-safe

- Function not equipped.