6. Push Button Start System

A: WIRING DIAGRAM

For wiring diagrams related to the push button start system (ignition change), refer to the following items.
- Keyless access system: <Ref. to WI-275, WIRING DIAGRAM, Keyless Access System.>
- Push button start system: <Ref. to WI-329, WIRING DIAGRAM, Push Button Start System.>

B: ELECTRICAL SPECIFICATION

Refer to “Control Module I/O Signal” of “KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM (DIAGNOSTICS)” section. <Ref. to KPS(diag)-13, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

C: INSPECTION

1. IGNITION/ACC CHANGE FUNCTION CHECK

1) Check push button ignition switch function

(1) Check the change control through push button ignition switch, brake pedal operation, and shift position.

- CVT model

Shift lever position	Brake pedal operation	Push button ignition switch operation
P	Released	Repeat Ignition OFF → ACC ON → Ignition ON → Ignition OFF
P	Released	Engine running → Ignition OFF
P	Depressed	Ignition OFF → Engine started
P	Depressed	ACC ON → Engine started
P	Depressed	Ignition ON → Engine started
P	Depressed	Engine running → Ignition OFF
N	Released	Repeat Ignition OFF → ACC ON → Ignition ON → ACC ON
N	Released	Engine running → ACC ON
N	Depressed	Ignition OFF → Engine started
N	Depressed	ACC ON → Engine started
N	Depressed	Ignition ON → Engine started
N	Depressed	Engine running → ACC ON
Other than P or N	Released	Repeat Ignition OFF → ACC ON → Ignition ON → ACC ON
Other than P or N	Released	Engine running → ACC ON
Other than P or N	Depressed	Ignition OFF → Ignition ON
Other than P or N	Depressed	ACC ON → Ignition ON
Other than P or N	Depressed	Engine running → ACC ON

- MT model

Shift lever position	Clutch pedal operation	Push button ignition switch operation
—	Released	Repeat Ignition OFF → ACC ON → Ignition ON → Ignition OFF
	Released	Engine running → Ignition OFF
	Depressed	Ignition OFF → Engine started
	Depressed	ACC ON → Engine started
	Depressed	Ignition ON → Engine started
	Depressed	Engine running → Ignition OFF

(2) Check the changeover functions other than push button ignition switch operation.
With ACC ON or the ignition ON, and the shift lever in “P” position, check that ACC is ON or Ignition is ON → Ignition is OFF when the vehicle is left for 1 hour or more.

(3) If the inspection result indicates an improper operation, check the push button start system. <Ref. to KPS(diag)-111, POWER SUPPLY SWITCHING SYSTEM, INSPECTION, General Diagnostic Table.>

2) Check power status display
(1) Check the power indicator display of the push button ignition switch.

NOTE:
*1: Key collation is normal, and the stop light switch (AT) is ON.
Indicator display

Push button ignition switch status	Indicator lighting status
Ignition OFF (except for condition *1)	Light OFF
ACC ON (except for condition *1)	Orange light
Ignition ON (except for condition *1)	Orange light
Engine start standby (*1)	Green light
After engine is started	Light OFF

(2) If the inspection result indicates an improper operation, check the push button start system. <Ref. to KPS(diag)-111, POWER SUPPLY SWITCHING SYSTEM, INSPECTION, General Diagnostic Table.>

NOTE:
The indicator blinks if any of the following malfunctions are detected.

Detected malfunction	Indicator lighting status
Steering lock stuck	Green blinking
Steering lock CM internal malfunction	Orange blinking
Keyless access CM internal malfunction	Orange blinking
Vehicle speed signal malfunction	Orange blinking