05IES–01

ON–VEHICLE INSPECTION

1. CHECK POWER SWITCH MODE CHANGE FUNCTION

(a) Check the function of the power switch.

(1) Check that power switch mode changes in accordance with the conditions of the shift position and brake pedal.

HINT:

For the vehicles with the smart entry system, the power switch functions not only when the key is inserted in to the key slot but also when the driver carries the key.

Shift Position	Brake Pedal	Change of Power Switch Mode (Arrow "→" means 1 press of power switch)
P	Released	OFF → ON (ACC) → ON (IG) → OFF (Repeated)
P	Depressed	OFF → Hybrid system starts
P	Depressed	ON (ACC) → Hybrid system starts
P	Depressed	ON (IG) → Hybrid system starts
P	Depressed	Hybrid system operating → OFF
P	Released	Hybrid system operating → OFF
Any position other than P	Released	ON (ACC) → ON (IG)
Any position other than P	Depressed	ON (ACC) → ON (IG)
Any position other than P	Released	ON (IG) → OFF after shift position switched to P (shift–linked–OFF function)
Any position other than P	Released	Hybrid system operating → OFF after shift position switched to P (Auto P control function)
Any position other than P	Depressed	Hybrid system operating → OFF after shift position switched to P (Auto P control function)

(b) Check if power switch mode changes without pressing the power switch.

(1) With power switch mode ON (ACC) and the shift position in P, pull out the key. Check that power switch mode changes from ON (ACC) to OFF automatically.

(2) With power switch mode ON (ACC) and the shift position in P, wait for at least 1 hour. Check that power switch mode changes from ON (ACC) to OFF automatically.

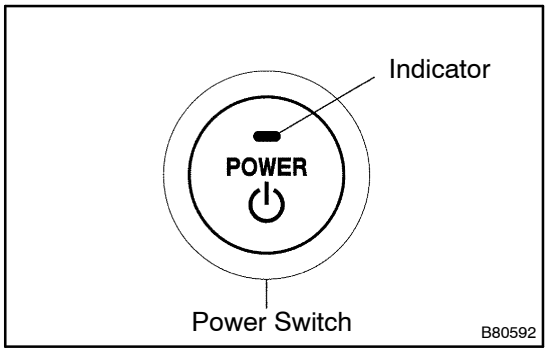
2. CHECK THE KEY INTERLOCK FUNCTION

(a) Insert the key into key slot, and change power switch modes and shift position according to the table below. Check whether or not the key is locked in the key slot.

Power Switch Mode	Shift Position	Key Status
OFF	P	Not locked in
OFF	Any position except P	–
ON (ACC)	P	Not locked in
ON (ACC)	Any position except P	Locked in
ON (IG)	P	Locked in
ON (IG)	Any position except P	Locked in
READY (hybrid system ON)	P	Locked in
READY (hybrid system ON)	Any position except P	Locked in

3. CHECK THE INDICATOR LIGHT CONDITION

(a) Check the power indicator on the power switch.



(1) Check that the power indicator illuminates and changes its color according to the table below.

Power Switch Mode	Indicator Status
OFF	OFF
ACC	Green illumination
IG (ON)	Amber illumination
Hybrid System ON	OFF
Push button start system malfuning	Flashes continuously in amber