

## 21. Impact Sensor

### A: REMOVAL

NOTE:

The impact sensor is a dealer OP.

- 1) Remove the key from the ignition switch.
- 2) Close all the doors and the rear gate.
- 3) Press the UNLOCK button of the keyless transmitter.
- 4) Change the setting of impact sensor using Subaru Select Monitor.
- 5) Disconnect the ground cable from the battery.
- 6) Remove the impact sensor.

### B: INSTALLATION

- 1) Remove the key from the ignition switch.
- 2) Close all the doors, trunk lid and rear gate.
- 3) Press the UNLOCK button of the keyless transmitter.
- 4) Disconnect the ground cable from the battery.
- 5) Install the impact sensor.
- 6) Connect the ground cable to the battery.
- 7) Change the setting of impact sensor using Subaru Select Monitor.

### C: OPERATION

#### 1. IMPACT SENSOR SETTING USING SUBARU SELECT MONITOR

- 1) Connect the Subaru Select Monitor to the data link connector.
- 2) Turn the ignition switch to ON.
- 3) Select {keyless unit} from the main menu.
- 4) Select {ECM customizing}.
- 5) Make a impact monitor setting.
  - When installing: ON
  - When removing: OFF
- 6) Make a impact monitor ON/OFF setting.
  - When installing: ON
  - When removing: OFF
- 7) Turn the ignition switch to OFF, and then remove the Subaru Select Monitor.

### D: ADJUSTMENT

#### 1. CHECK IMPACT SENSOR

- 1) Remove the key from the ignition switch.
- 2) Close all windows.
- 3) Close all the doors and the rear gate. Leave open the front hood.
- 4) Press the LOCK button of the keyless transmitter from outside of vehicle.
- 5) Check that after 30 seconds, the security indicator light blinks twice a second, repeating in 1 second intervals.
- 6) Hit the windshield with your palm continuously and check the security alarm operates. Lift up the front hood approx. 12 cm (4.7 in) or more, and then drop it off to check the operation of security alarm.
- 7) If NG, adjust the impact sensitivity.

#### 2. IMPACT SENSITIVITY ADJUSTMENT

- 1) Connect the Subaru Select Monitor to the data link connector.
- 2) Turn the ignition switch to ON.
- 3) Select {Impact Sensor} from the main menu.
- 4) Make a {Sensitivity Adjustment Mode}
  - Sensitivity can be adjusted in 11 levels (0 to 10).
  - Initial setting is 5.
  - A smaller number means it will be more sensitive.
  - A larger number means it will be less sensitive.
- 5) Turn the ignition switch to OFF, and then remove the Subaru Select Monitor.

NOTE:

- Set the sensor so that it is not triggered by normal vibrations (someone reclining on the door, hit by a ball, etc.).
- Set the sensor to operate the alarm when the windshield glass or door is hit hard repeatedly, etc., where it can be assumed that there is an attempt to damage the car by a burglar, etc.
- Even if there is no attempt to steal or burglarize the car, if the vehicle is subject to an equivalent shock or vibration (from road construction, etc.), the alarm will sound. Discuss with the customer their parking environment to make sensitivity settings accordingly.