

## BONNET LATCH SWITCH

id091400597200

### Purpose

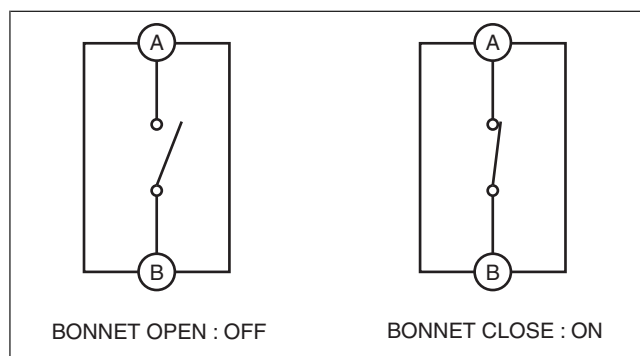
- Detects the open/closed condition of the bonnet.

### Function

- The bonnet latch switch is utilized in the i-stop and theft-deterrent system control.
  - For the theft-deterrent system, refer to THEFT-DETERRENT SYSTEM.
  - For the i-stop control, refer to i-stop CONTROL [SKYACTIV-G 2.0, SKYACTIV-G 2.5] / ENGINE OIL CONTROL [SKYACTIV-D 2.2].

### Construction

- Built into the bonnet latch.
- Switch turns on and off by the rotation of the latch bar.
- When the bonnet is completely closed, the bonnet latch switch is on (contact point: closed).



ac5wzn00000132

### Operation

#### Bonnet close (latch) operation

1. When the bonnet is closed, the bonnet lock striker enters the latch lever groove.
2. When the bonnet is then further closed, the latch lever is pressed by the bonnet lock striker and rotates.
3. When the bonnet is completely closed, the latch lever is in a latched condition and presses the bonnet latch switch which turns the switch on.

#### Bonnet open (unlatch) operation

1. When the bonnet release lever is pulled, the bonnet opens and the latch lever is in an unlatched condition, and the bonnet latch switch turns off.

### Fail-safe

- Function not equipped.