



## Removal

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.
2. Remove the driver airbag (DAB) module and clock spring.  
**(Refer to Restraint - "Driver airbag (DAB) Module and Clock Spring")**
3. Remove the steering wheel.  
**(Refer to Steering System - "Steering Wheel")**
4. Remove the steering column shroud lower panel.  
**(Refer to Body - "Steering Column Shroud Panel")**
5. Disconnect the clock spring connector.



6. Remove the clock spring from the steering column.



7. Install in the reverse order of removal.

## Adjustment

### SAS Calibration

## S/W Management

Systems Components Unfold All

- Engine Control 
- Automatic Transaxle 
- ABS/ESC 
  - System Identification 
  - HCU Air Bleeding Mode 
  - Auto Detected Configuration(ESC Only) 
  - Longitudinal G Sensor Calibration(HAC/DBC Only) 
  - Steering Angle Sensor(SAS) Calibration  (highlighted with a red dotted border)
  - Variant Coding 
- SCC/AEB 
- Airbag(Event #1) 
- Airbag(Event #2) 
- Occupant Detection Sensor 
- Air Conditioner 
- Motor Driven Power Steering 
- Tire Pressure Monitoring System(High Type) 
- Tire Pressure Monitoring System(Low Type) 

**S/W Management**
**• Steering Angle Sensor(SAS) Calibration**

Purpose	To initialize ECU and reset the Steering Angle Sensor(SAS) value to zero-set.
Enable Condition	1. Straighten the front wheels 2. Straighten Steering Wheel position 3. Engine Off 4. Ignition Switch On
Concerned Component	Steering Angle Sensor(SAS), Steering Column
Concerned DTC	1. SAS related DTC: C1260, C1623 2. Steering Column related DTC: C1261
Fail Safe	Warning Indicator Lamp "ON"
Etc	In case vehicle is equipped with Electric Power Steering(EPS), SAS calibration must be performed in EPS system.



Do not touch any system buttons while performing this function.

## S/W Management

### ■ Steering Angle Sensor(SAS) Calibration

#### ● [ Steering Angle Sensor(SAS) Calibration ]

This function resets the studied value of ECU and SAS value to zero-set.

Perform this function when you replace sensor or perform steering column.

##### ●[ Condition ]

1. Straighten the front tire.
2. Arrange the steering wheel at the center position.
3. Ignition key On
4. Engine Stop



##### [ Caution ]

In case of the vehicle EPS is equipped, perform Steering Angle Sensor Calibration at the EPS system.

Press **[Reset]** button, If you are ready.

Reset

Cancel



Do not touch any system buttons while performing this function.