

STEERING SYSTEM

PRECAUTION

1. HANDLING PRECAUTIONS FOR SRS AIRBAG SYSTEM

- (a) Handling precautions for SRS airbag system (see page [RS-1](#)).

2. HANDLING PRECAUTIONS FOR STEERING COLUMN

- (a) When handling the steering column assembly.
 - (1) Avoid any impact to the steering column assembly, especially to the motor or the torque sensor. Replace it with a new one if it is dropped or subjected to any severe impacts.
 - (2) Do not pull the wire harness when moving the steering column assembly.
 - (3) When the steering column assembly or other steering-related parts have been removed and either reinstalled or replaced, perform steering center point adjustment (zero point calibration).
- (b) When disconnecting or reconnecting the connectors.
 - (1) When disconnecting connectors related to the electronic motor power steering system, turn the ignition switch on (IG) (the engine is stopped), center the steering wheel, turn the ignition switch off, and then disconnect the connectors.
 - (2) When reconnecting connectors related to the electronic motor power steering system, make sure that the ignition switch is turned off, center the steering wheel and then turn the ignition switch on (IG) (the engine is stopped).

NOTICE:

Do not turn the push start switch on (IG) without the steering wheel being centered.

- (3) If the above operations are not carried out correctly, the steering center point (zero point) will deviate, causing a difference in steering effort between right and left turns. If there is a difference in the steering effort between right and left turns, perform the steering center point adjustment (zero point calibration).

PROBLEM SYMPTOMS TABLE

(2005/11-2006/01)

HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Steering system

Symptom	Suspected Area	See page
Hard steering	1. Front tires (Improperly inflated or unevenly worn)	TW-1
	2. Front wheel alignment (Incorrect)	SP-3
	3. Front suspension (Lower ball joint)	SP-27
	4. Steering intermediate shaft	SR-11
	5. Steering column	SR-11
	6. Steering gear	PS-42
	7. Power steering ECU	PS-46
Poor return	1. Front tires (Improperly inflated or unevenly worn)	TW-1
	2. Front wheel alignment (Incorrect)	SP-3
	3. Steering column	SR-11
	4. Steering gear	PS-42
	5. Power steering ECU	PS-46
No free play or excessive play	1. Steering intermediate shaft	SR-11
	2. Steering gear	PS-42
Knocking (or clunking) sound occurs when steering wheel turned while power steering in operation	1. Steering intermediate shaft	SR-11
	2. Front suspension (Lower ball joint)	SP-27
	3. Front axle hub (Hub bearing)	AH-6
	4. Steering gear	PS-42
Friction sound occurs when steering wheel turned during low speed driving	1. Power steering motor	SR-11
	2. Steering column	SR-11
High-pitched sound (squealing sound) occurs when steering wheel turned slowly with vehicle stopped	1. Power steering motor	SR-11
Steering wheel vibrates and noise occurs when steering wheel turned while vehicle stopped	1. Power steering motor	SR-11
	2. Steering column	SR-11