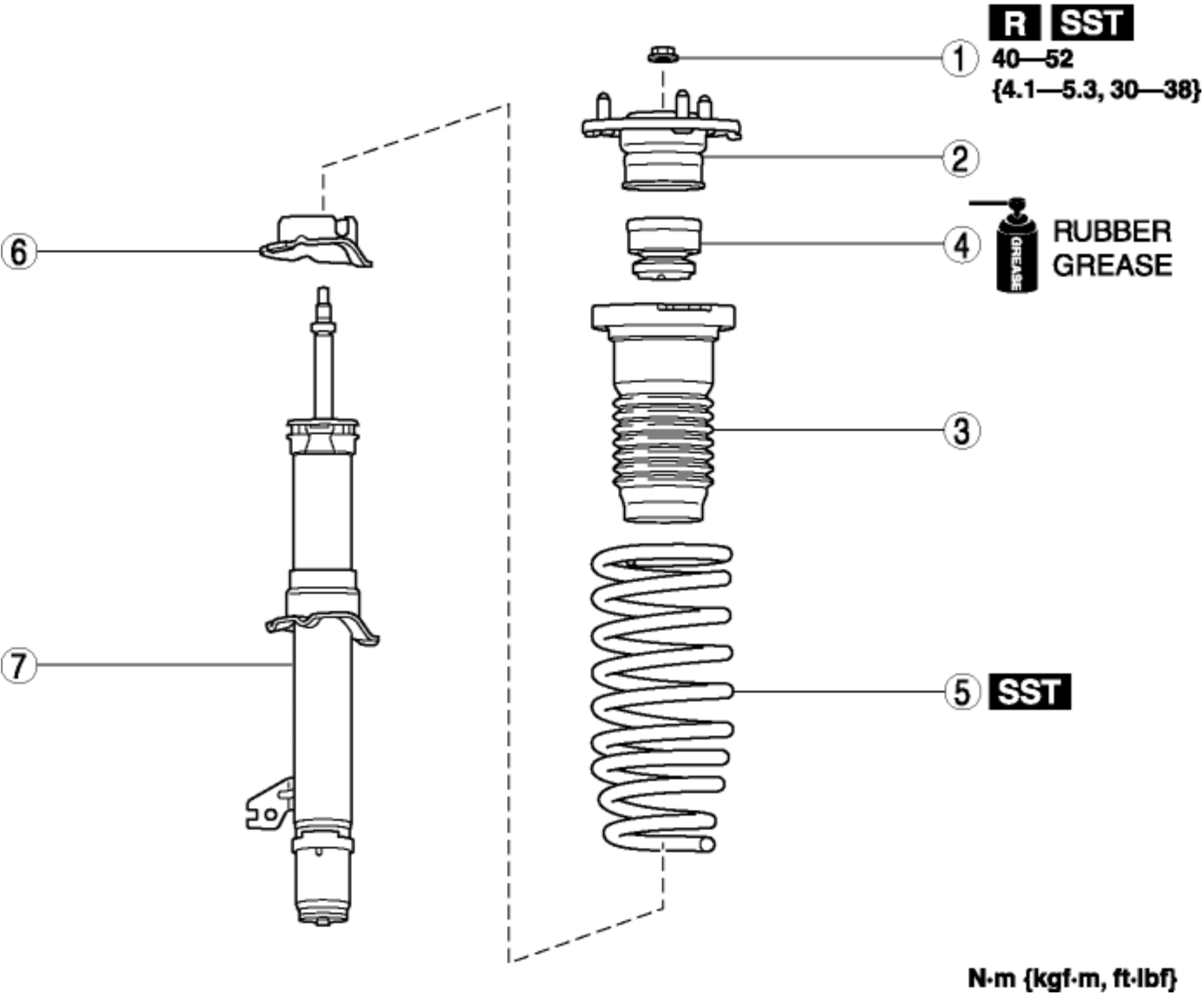


2012 - Mazda6 - Suspension

FRONT SHOCK ABSORBER AND COIL SPRING DI SASSEMBLY/ ASSEMBLY

- 1. Remove the front shock absorber and coil spring. (See FRONT SHOCK ABSORBER AND COIL SPRING REMOVAL/ INSTALLATION.)
- 2. Disassemble in the order indicated in the table.
- 3. Assemble in the reverse order of removal.
- 4. Inspect the wheel alignment and adjust it if necessary. (See FRONT WHEEL ALIGNMENT.)



1	Piston rod nut
---	----------------

	(See Piston Rod Nut Disassembly Note.)
2	Mounting rubber (See Mounting Rubber Assembly Note.)
3	Upper spring seat
4	Bound stopper
5	Coil spring (See Coil Spring Assembly Note.)
6	Lower spring seat
7	Front shock absorber (See Front Shock Absorber Assembly Note.)

Piston Rod Nut Disassembly Note

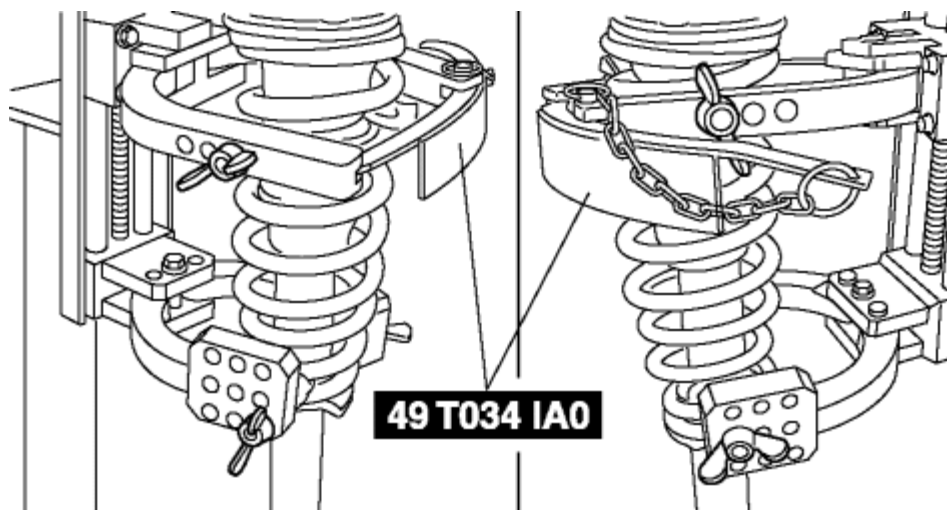
WARNING:

- Before removing the piston rod nut, set the shock absorber and coil spring to the SST. Otherwise, the coil spring could fly off under high pressure and cause serious injury or death, or damage to vehicle parts.

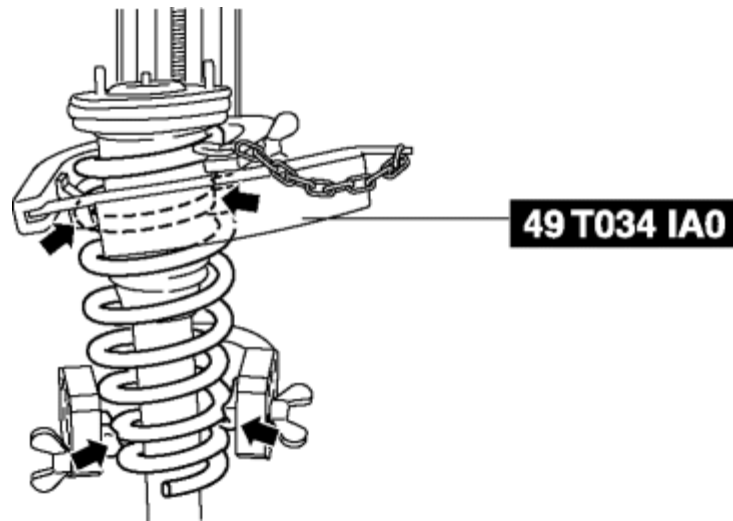
1. Install the shock absorber and coil spring to the **SST** according to the following procedures.

NOTE:

- Install the SST using a piece of clean rag to prevent the coil spring from being scratched.
- a. Set the **SST** attachments (tabs) to the positions shown in the figure.



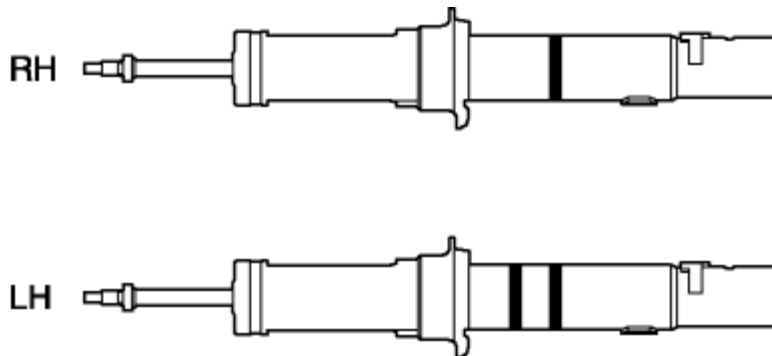
b. Install the front shock absorber and coil spring to the **SST** so that the coil spring is set to the position shown in the figure.



2. Compress the coil spring using the **SST**.
3. Remove the piston rod nut.

Front Shock Absorber Assembly Note

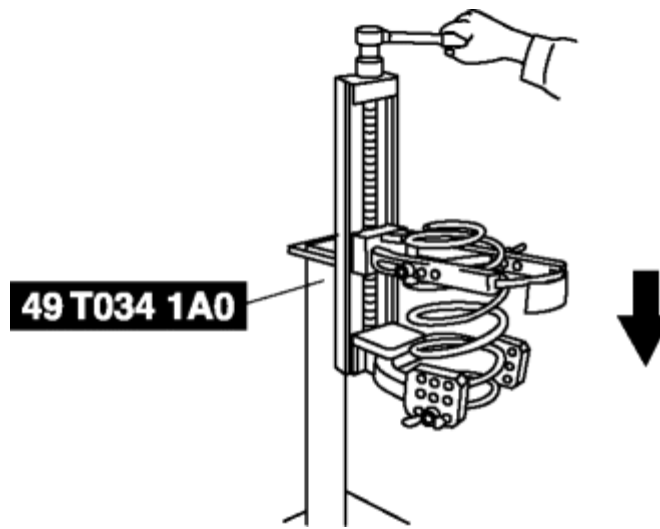
1. Check the marked line to verify if the part is for the left or right side.



- RH: One marked line
- LH: Two marked lines

Coil Spring Assembly Note

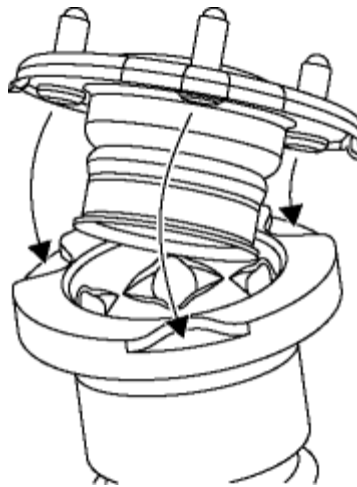
1. Compress the coil spring using the **SST**.



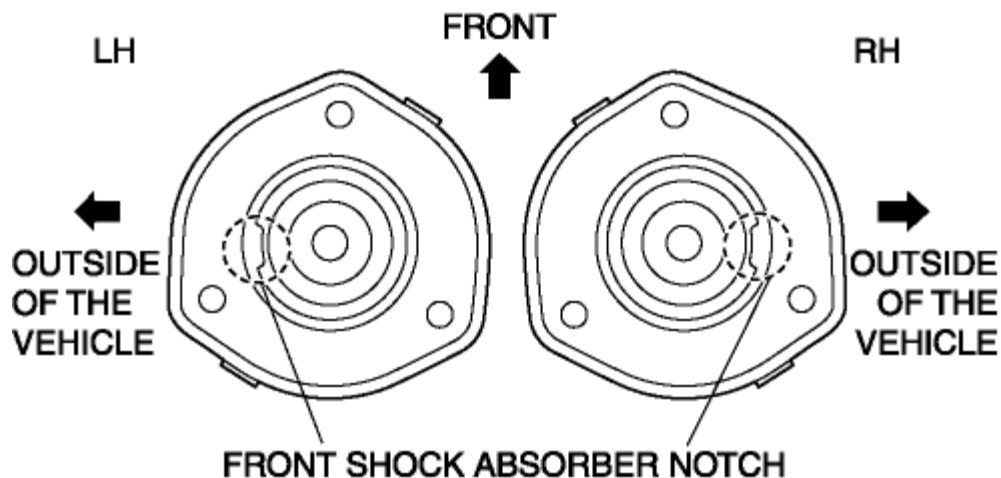
2. Install the shock absorber with the lower end of the coil spring seated on the step of the lower spring seat.

Mounting Rubber Assembly Note

1. Install the mounting rubber stud bolt with its bolt head aligned with the dent of the upper spring seat.



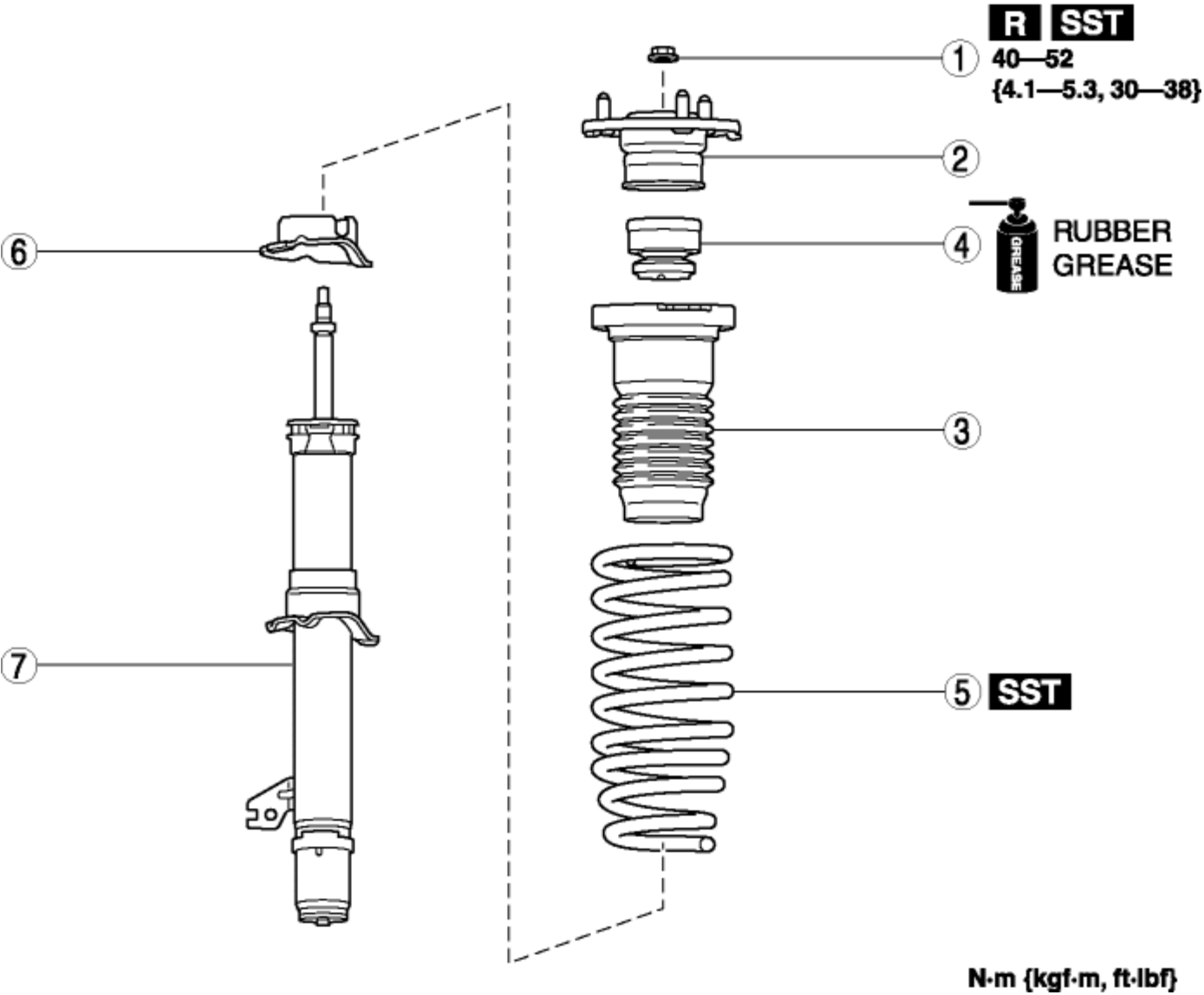
2. Install the mounting rubber as shown in the figure.



2012 - Mazda6 - Suspension

FRONT SHOCK ABSORBER AND COIL SPRING DI SASSEMBLY/ ASSEMBLY

- 1. Remove the front shock absorber and coil spring. (See FRONT SHOCK ABSORBER AND COIL SPRING REMOVAL/ INSTALLATION.)
- 2. Disassemble in the order indicated in the table.
- 3. Assemble in the reverse order of removal.
- 4. Inspect the wheel alignment and adjust it if necessary. (See FRONT WHEEL ALIGNMENT.)



1	Piston rod nut
---	----------------

	(See Piston Rod Nut Disassembly Note.)
2	Mounting rubber (See Mounting Rubber Assembly Note.)
3	Upper spring seat
4	Bound stopper
5	Coil spring (See Coil Spring Assembly Note.)
6	Lower spring seat
7	Front shock absorber (See Front Shock Absorber Assembly Note.)

Piston Rod Nut Disassembly Note

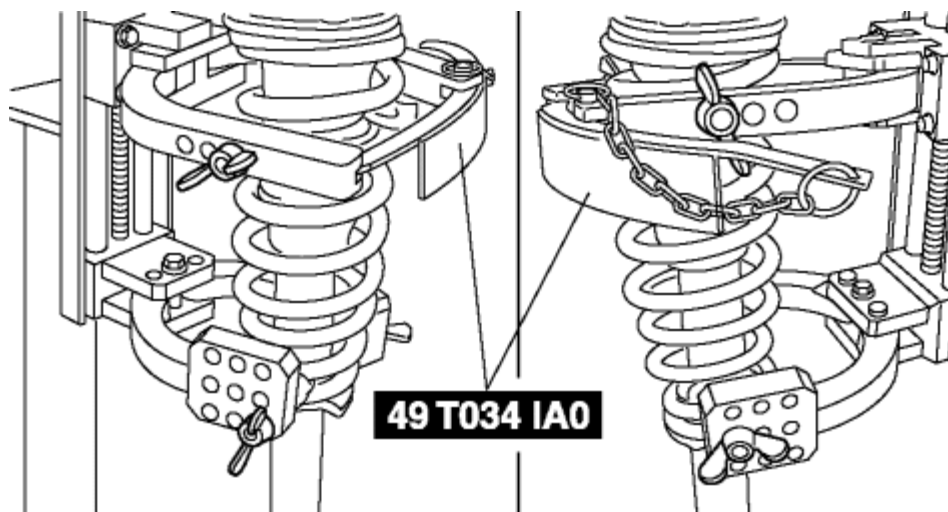
WARNING:

- Before removing the piston rod nut, set the shock absorber and coil spring to the SST. Otherwise, the coil spring could fly off under high pressure and cause serious injury or death, or damage to vehicle parts.

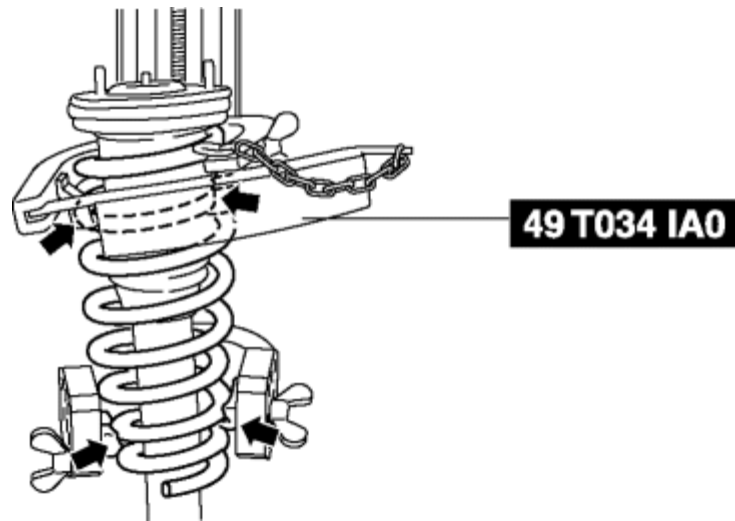
1. Install the shock absorber and coil spring to the **SST** according to the following procedures.

NOTE:

- Install the SST using a piece of clean rag to prevent the coil spring from being scratched.
- a. Set the **SST** attachments (tabs) to the positions shown in the figure.



b. Install the front shock absorber and coil spring to the **SST** so that the coil spring is set to the position shown in the figure.

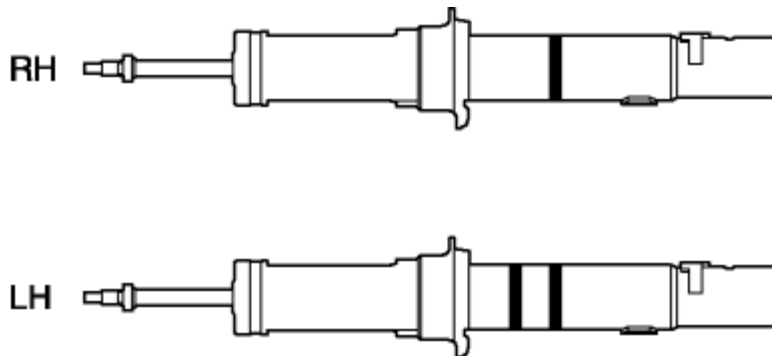


2. Compress the coil spring using the **SST**.

3. Remove the piston rod nut.

Front Shock Absorber Assembly Note

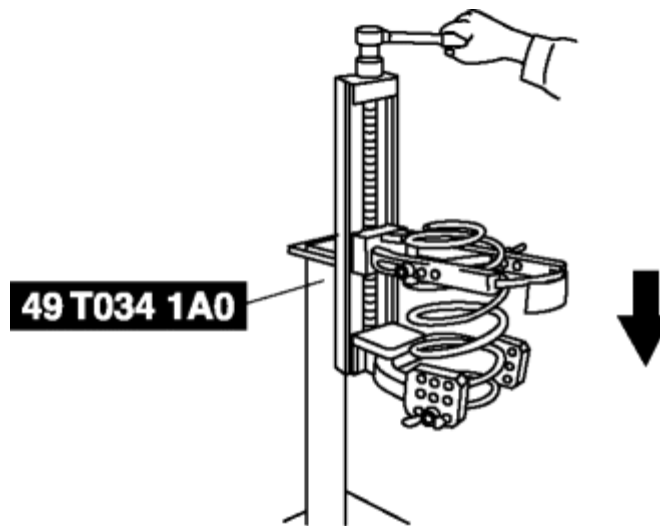
1. Check the marked line to verify if the part is for the left or right side.



- RH: One marked line
- LH: Two marked lines

Coil Spring Assembly Note

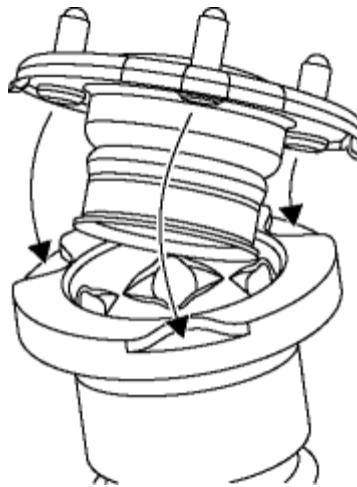
1. Compress the coil spring using the **SST**.



2. Install the shock absorber with the lower end of the coil spring seated on the step of the lower spring seat.

Mounting Rubber Assembly Note

1. Install the mounting rubber stud bolt with its bolt head aligned with the dent of the upper spring seat.



2. Install the mounting rubber as shown in the figure.

