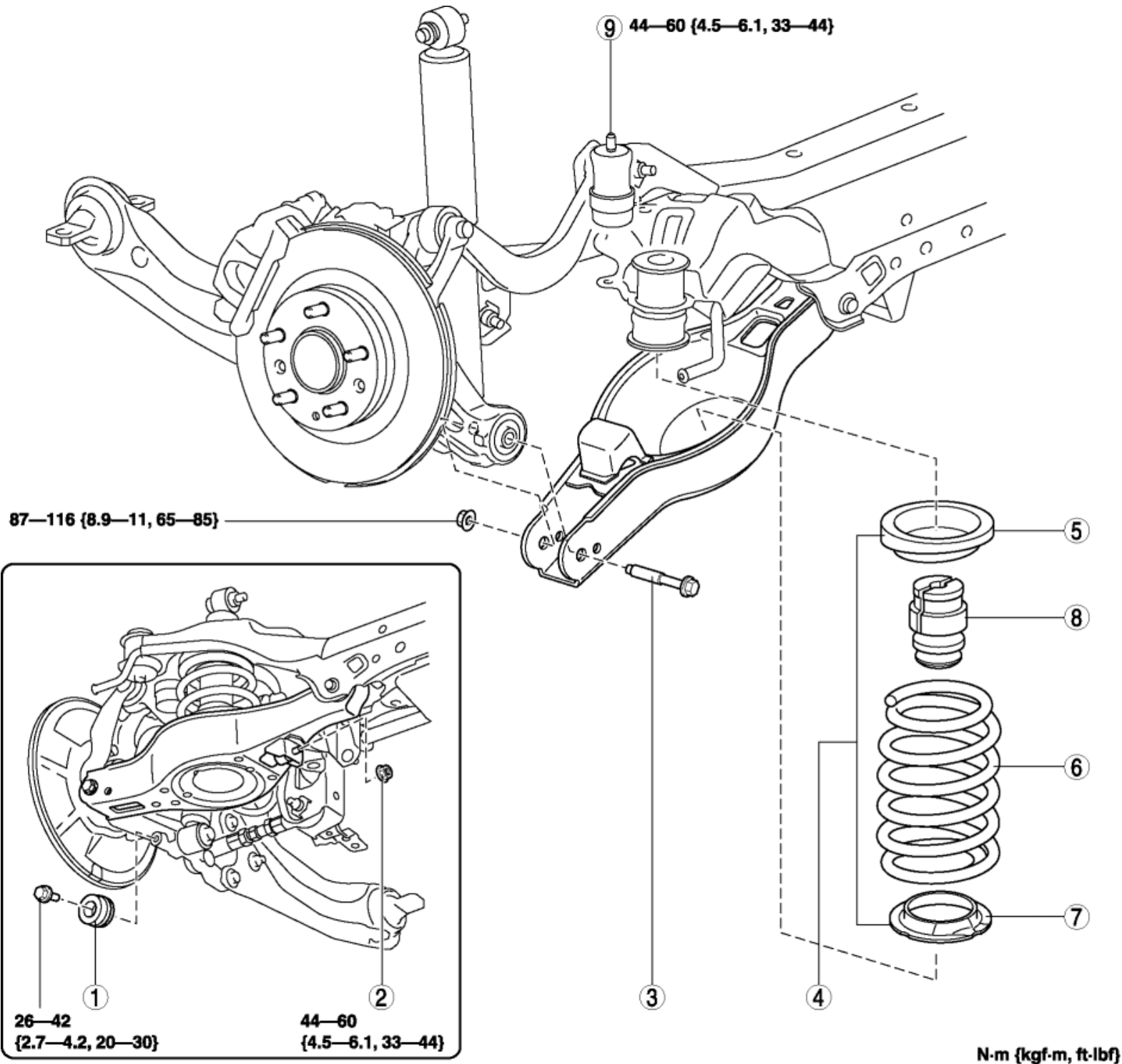


2012 - Mazda6 - Suspension

REAR COIL SPRING REMOVAL/ INSTALLATION

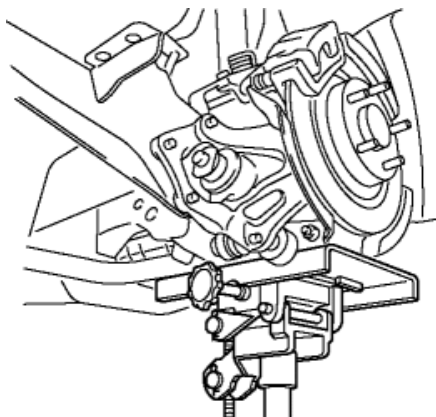
- 1. Remove in the order indicated in the table.
- 2. Install in the reverse order of removal.
- 3. Inspect the rear wheel alignment. (See [REAR WHEEL ALIGNMENT.](#))



1	Dynamic damper (if equipped)
2	Rear stabilizer control link lower side nut
3	Rear lower arm outer side bolt (See Rear Lower Arm Outer Side Bolt Removal Note.)
4	Rear coil spring component (See Rear Coil Spring Component Removal Note.) (See Rear Coil Spring Component Installation Note.)
5	Upper spring seat rubber
6	Rear coil spring
7	Lower spring seat
8	Bound stopper
9	Bound stopper (body side)

Rear Lower Arm Outer Side Bolt Removal Note

1. Support the lower arm with a jack.



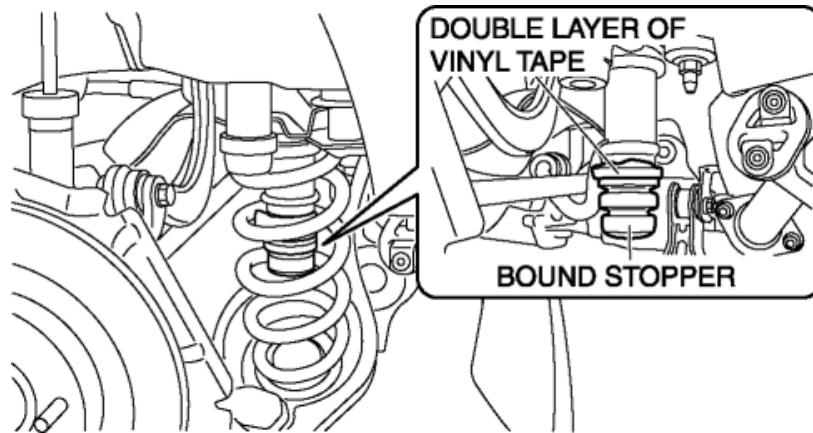
2. Loosen the inner bolt of the lower arm.
3. Remove the outer bolt of the lower arm.

Rear Coil Spring Component Removal Note

WARNING:

- If the rear coil spring contacts the bound stopper installation area of the rear crossmember during rear coil spring removal, the paint of rear coil spring may be damaged, resulting in rust. Moreover, the rear coil spring may brake if rust is left unrepaired. When removing the rear coil spring, affix tape to edge of the bound stopper installation area of the rear crossmember, and be careful not to damage the rear coil spring.

1. Affix a double layer of vinyl tape to bound stopper installation area or the rear crossmember.



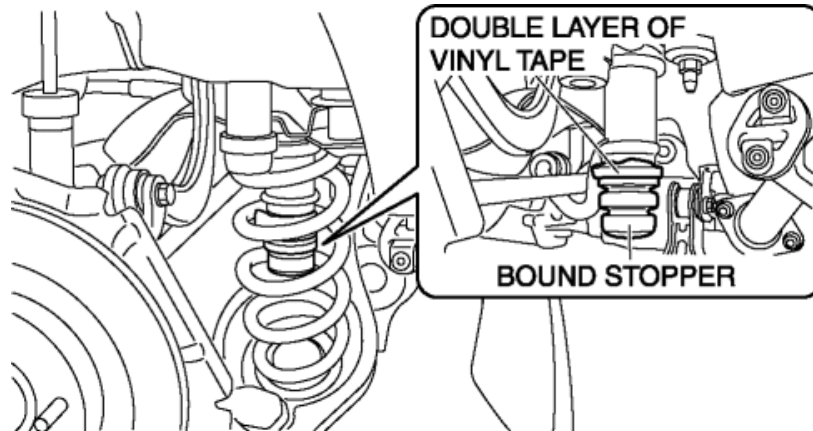
2. Lower the jack slowly and remove the rear coil spring.

Rear Coil Spring Component Installation Note

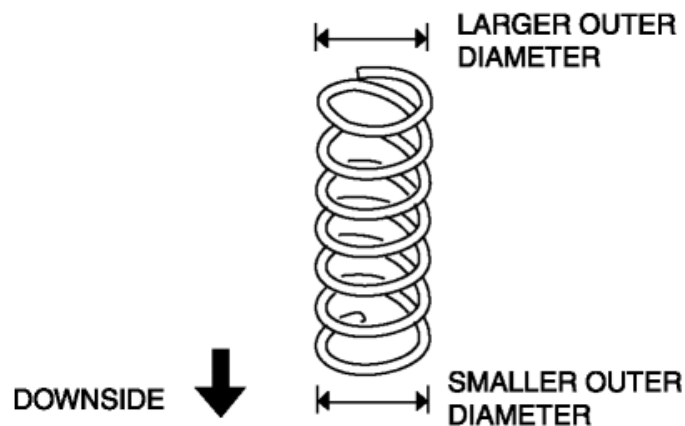
WARNING:

- If the rear coil spring contacts the bound stopper installation area or the rear crossmember during rear coil spring installation, the paint of rear spring may be damaged, resulting in rust. Moreover, the rear coil spring may brake if rust is left unrepaired. When installing the rear coil spring, affix tape to edge of the bound stopper installation area of the rear crossmember, and be careful not to damage the rear coil spring.

1. Affix a double layer of vinyl tape to bound stopper installation area of the rear crossmember.



2. Install the coil spring so that the smaller outer diameter faces downside.



3. Position the jack under the lower arm and jack up slowly.

WARNING:

- Installing the coil spring is dangerous. The coil spring could fly off, and cause serious injury or death.

4. Install the lower arm outer side bolt, and then tighten the bolts to the specified torque.

Tightening torque

- 87—116 N·m {8.9—11 kgf·m, 65—85 ft·lbf}

[< Previous](#) [Next >](#)

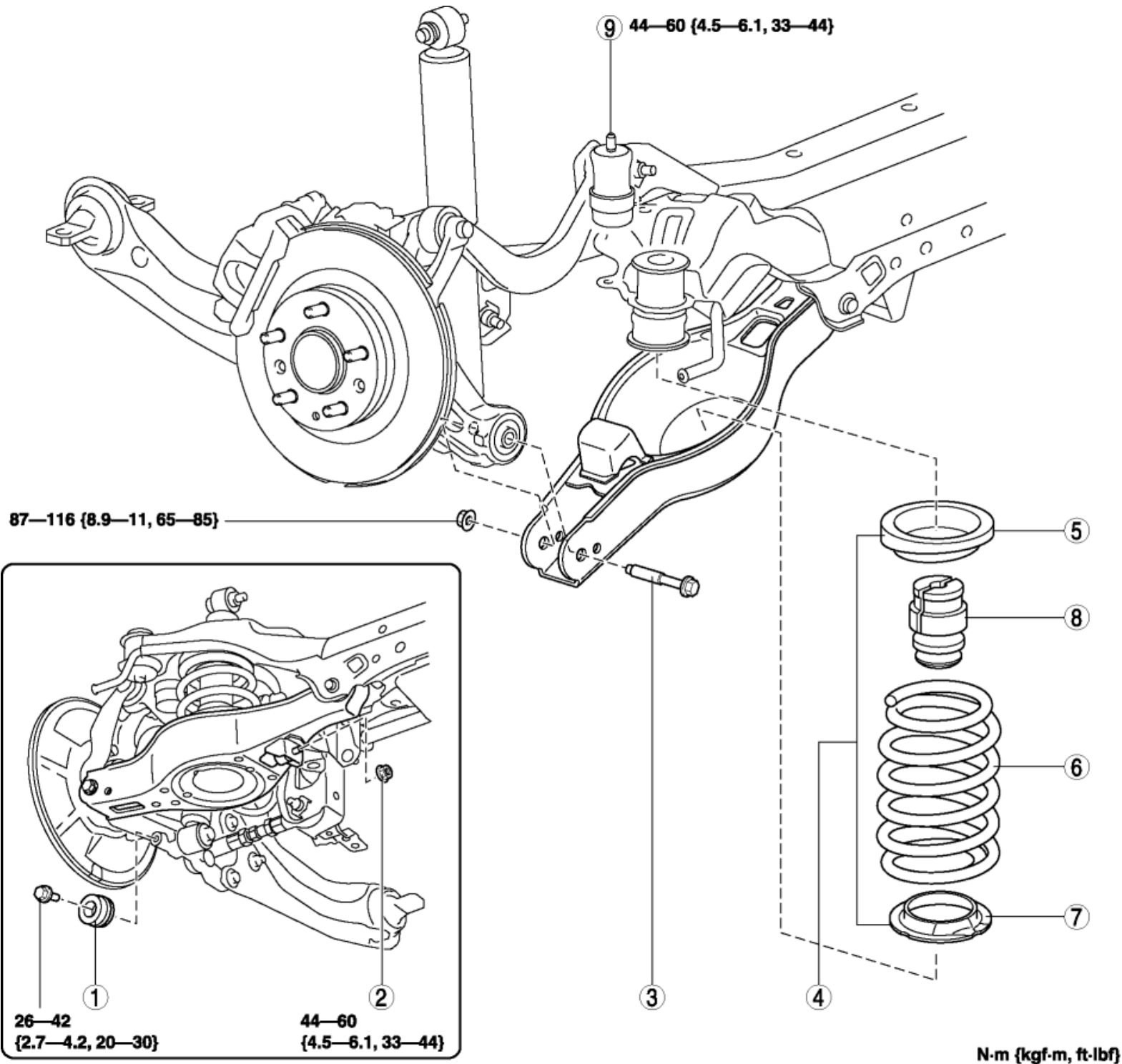
[Back to Top](#)

© 2011 Mazda North American Operations, U.S.A.

2012 - Mazda6 - Suspension

REAR COIL SPRING REMOVAL/ INSTALLATION

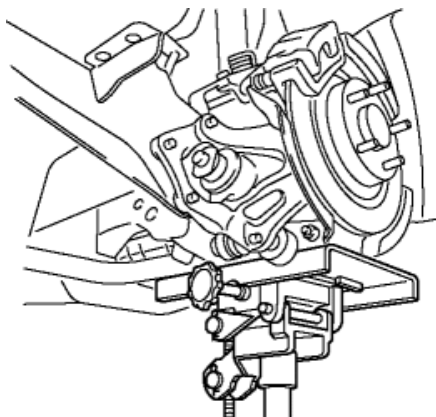
- 1. Remove in the order indicated in the table.
- 2. Install in the reverse order of removal.
- 3. Inspect the rear wheel alignment. (See [REAR WHEEL ALIGNMENT.](#))



1	Dynamic damper (if equipped)
2	Rear stabilizer control link lower side nut
3	Rear lower arm outer side bolt (See Rear Lower Arm Outer Side Bolt Removal Note.)
4	Rear coil spring component (See Rear Coil Spring Component Removal Note.) (See Rear Coil Spring Component Installation Note.)
5	Upper spring seat rubber
6	Rear coil spring
7	Lower spring seat
8	Bound stopper
9	Bound stopper (body side)

Rear Lower Arm Outer Side Bolt Removal Note

1. Support the lower arm with a jack.



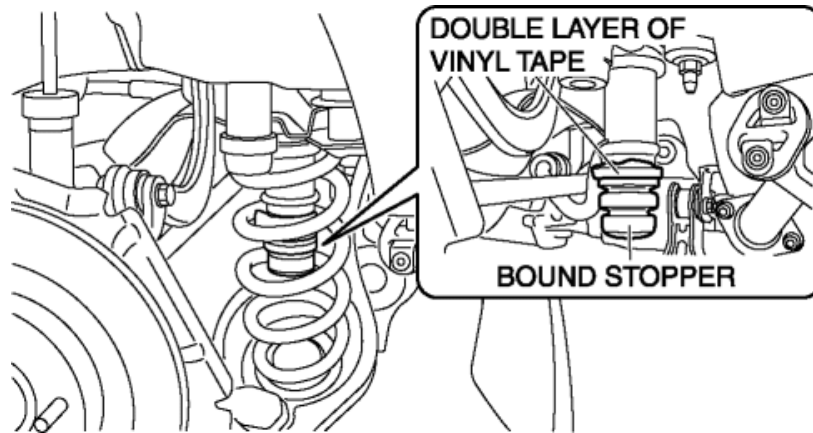
2. Loosen the inner bolt of the lower arm.
3. Remove the outer bolt of the lower arm.

Rear Coil Spring Component Removal Note

WARNING:

- If the rear coil spring contacts the bound stopper installation area of the rear crossmember during rear coil spring removal, the paint of rear coil spring may be damaged, resulting in rust. Moreover, the rear coil spring may brake if rust is left unrepaired. When removing the rear coil spring, affix tape to edge of the bound stopper installation area of the rear crossmember, and be careful not to damage the rear coil spring.

1. Affix a double layer of vinyl tape to bound stopper installation area or the rear crossmember.



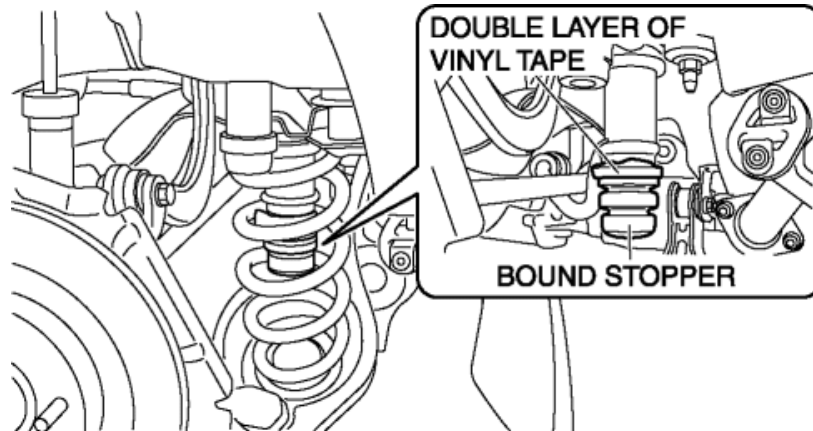
2. Lower the jack slowly and remove the rear coil spring.

Rear Coil Spring Component Installation Note

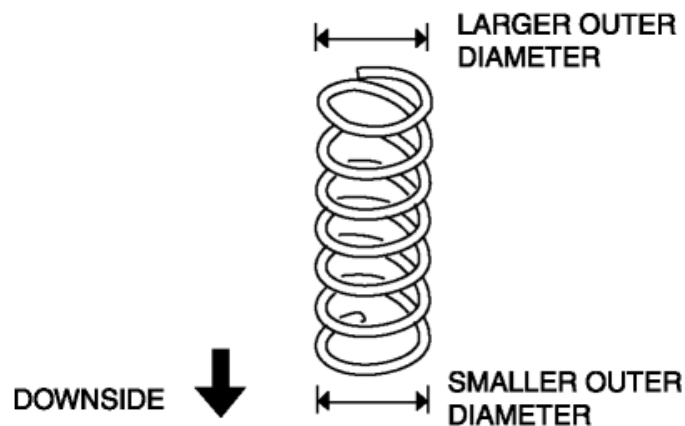
WARNING:

- If the rear coil spring contacts the bound stopper installation area or the rear crossmember during rear coil spring installation, the paint of rear spring may be damaged, resulting in rust. Moreover, the rear coil spring may brake if rust is left unrepaired. When installing the rear coil spring, affix tape to edge of the bound stopper installation area of the rear crossmember, and be careful not to damage the rear coil spring.

1. Affix a double layer of vinyl tape to bound stopper installation area of the rear crossmember.



2. Install the coil spring so that the smaller outer diameter faces downside.



3. Position the jack under the lower arm and jack up slowly.

WARNING:

- Installing the coil spring is dangerous. The coil spring could fly off, and cause serious injury or death.

4. Install the lower arm outer side bolt, and then tighten the bolts to the specified torque.

Tightening torque

- 87—116 N·m {8.9—11 kgf·m, 65—85 ft·lbf}

[< Previous](#) [Next >](#)

© 2011 Mazda North American Operations, U.S.A.

[Back to Top](#)