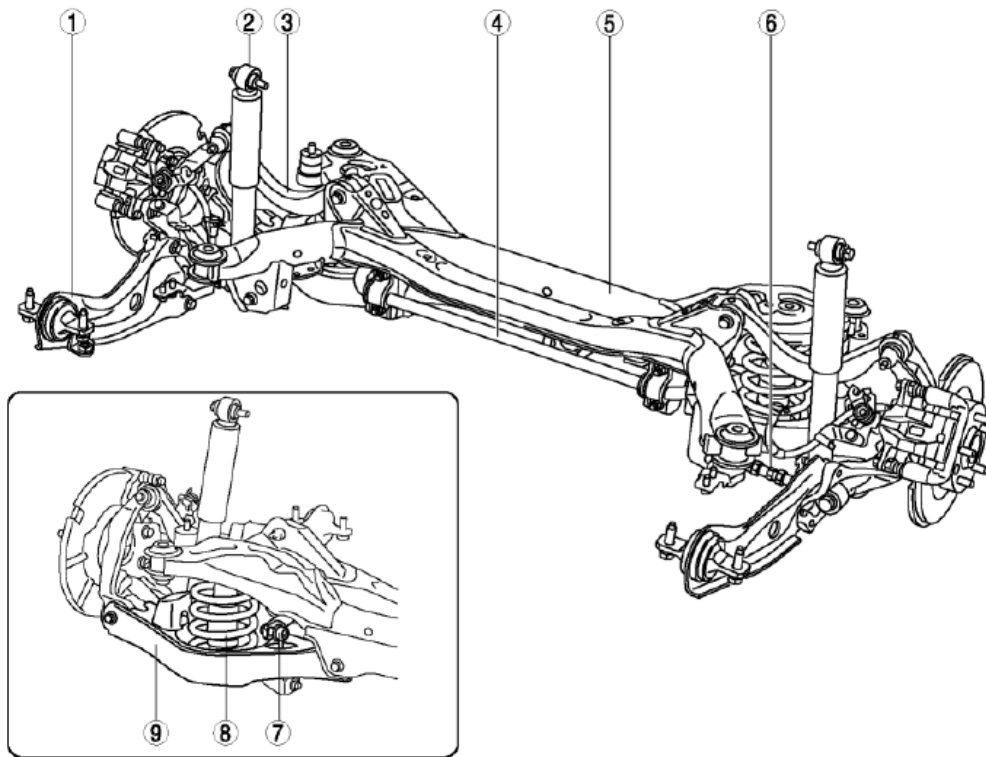


2013 Mazda 6 i Sport

2013 SUSPENSION Rear Suspension - Mazda6



1	Trailing link (See REAR TRAILING LINK REMOVAL/INSTALLATION.)
2	Rear shock absorber (See REAR SHOCK ABSORBER REMOVAL/INSTALLATION.) (See REAR SHOCK ABSORBER INSPECTION.) (See REAR SHOCK ABSORBER DISPOSAL.)
3	Rear upper arm (See REAR UPPER ARM REMOVAL/INSTALLATION.)
4	Rear stabilizer (See REAR STABILIZER REMOVAL/INSTALLATION.)
5	Rear crossmember (See REAR CROSSMEMBER REMOVAL/INSTALLATION.)
6	Rear lateral link (See REAR LATERAL LINK REMOVAL/INSTALLATION.)
7	Stabilizer control link (See REAR STABILIZER CONTROL LINK INSPECTION.)
8	Rear coil spring (See REAR COIL SPRING REMOVAL/INSTALLATION.)
9	Rear lower arm (See REAR LOWER ARM REMOVAL/INSTALLATION.)

Fig. 1: Identifying Rear Suspension Components

REAR SHOCK ABSORBER REMOVAL/INSTALLATION

1. Support the rear axle component using a jack.

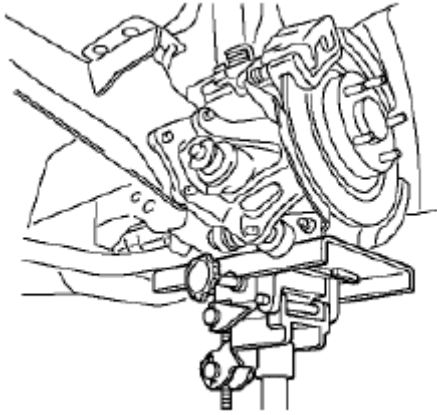


Fig. 2: Supporting Rear Axle Component Using Jack

2. Remove the rear shock absorber.

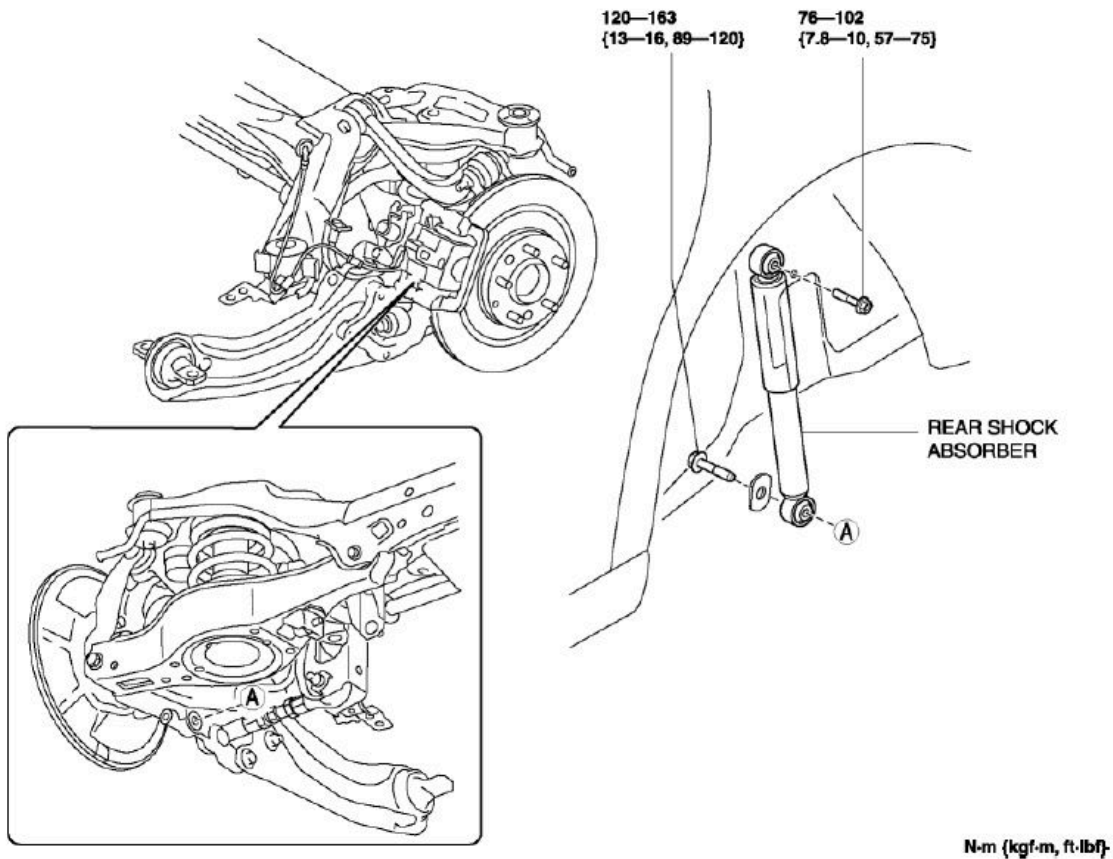


Fig. 3: Rear Shock Absorber And Bolt With Torque Specification

3. Temporarily install the rear shock absorber.

4. Tighten the rear shock absorber upper side to the specified torque.
5. Tighten the rear shock absorber lower side bolt to the specified torque using an adjustable wrench while holding the washer in place.

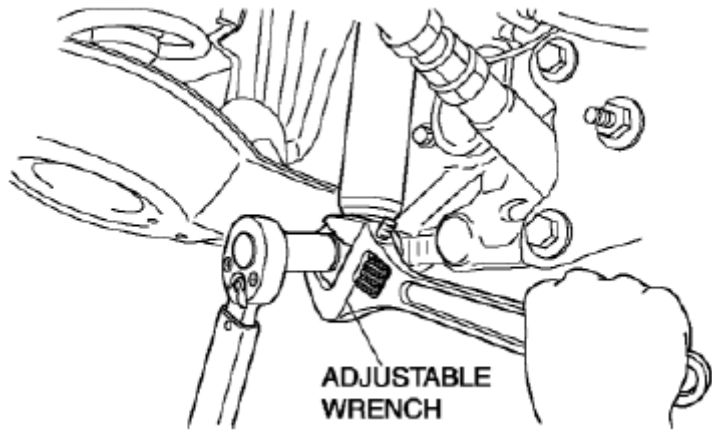


Fig. 4: Tightening Rear Shock Absorber Lower Side Bolt

REAR SHOCK ABSORBER INSPECTION

1. Inspect the rear shock absorber in the same way as the front shock absorber. (See **FRONT SHOCK ABSORBER INSPECTION** .)

REAR SHOCK ABSORBER DISPOSAL

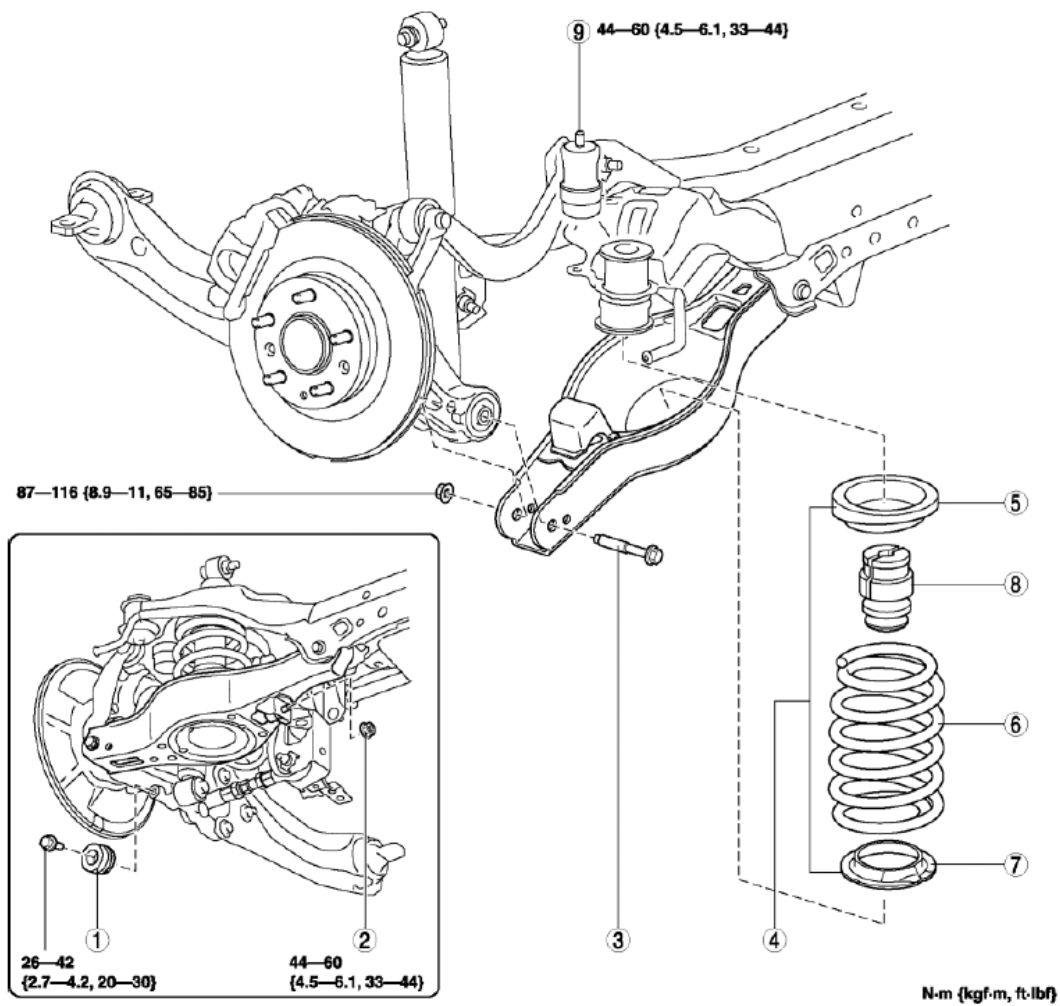
1. Dispose the rear shock absorber in the same way as the front shock absorber. (See **FRONT SHOCK ABSORBER DISPOSAL** .)

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** .)

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N-m (kgf-m, ft-lbf)

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)

Fig. 5: Rear Coil Spring Related Components With Torque Specification

REAR LOWER ARM OUTER SIDE BOLT REMOVAL NOTE

1. Support the lower arm with a jack.

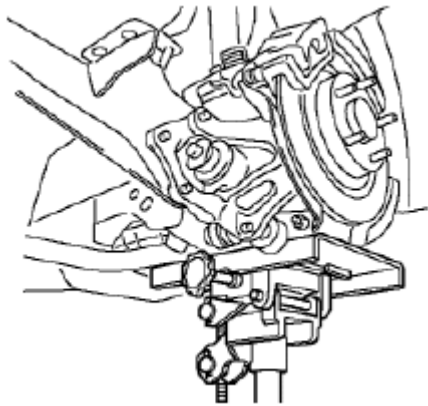


Fig. 6: Supporting Lower Arm With Jack

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.

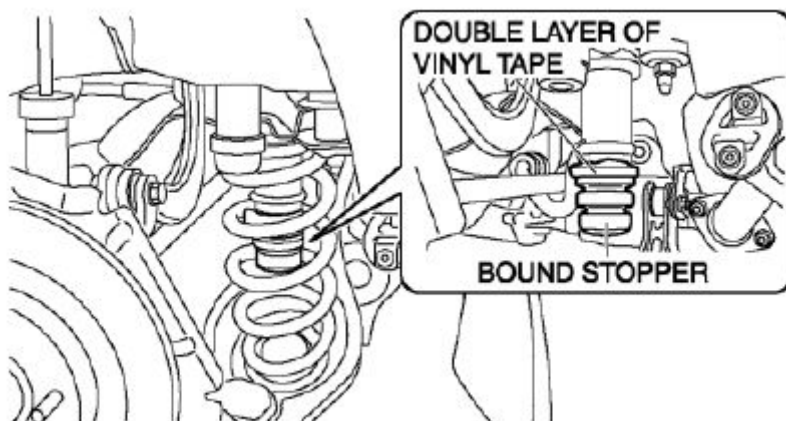


Fig. 7: Bound Stopper And Double Layer Of Vinyl Tape

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