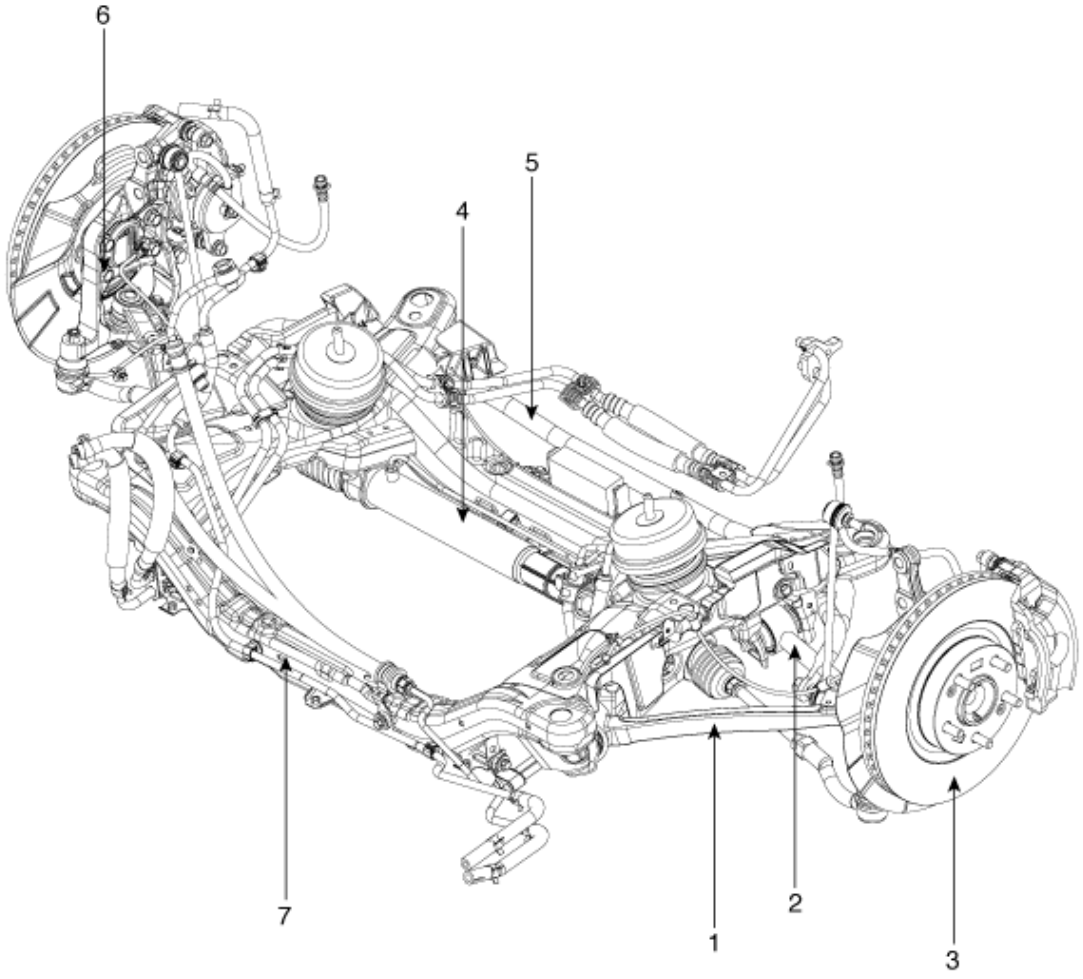
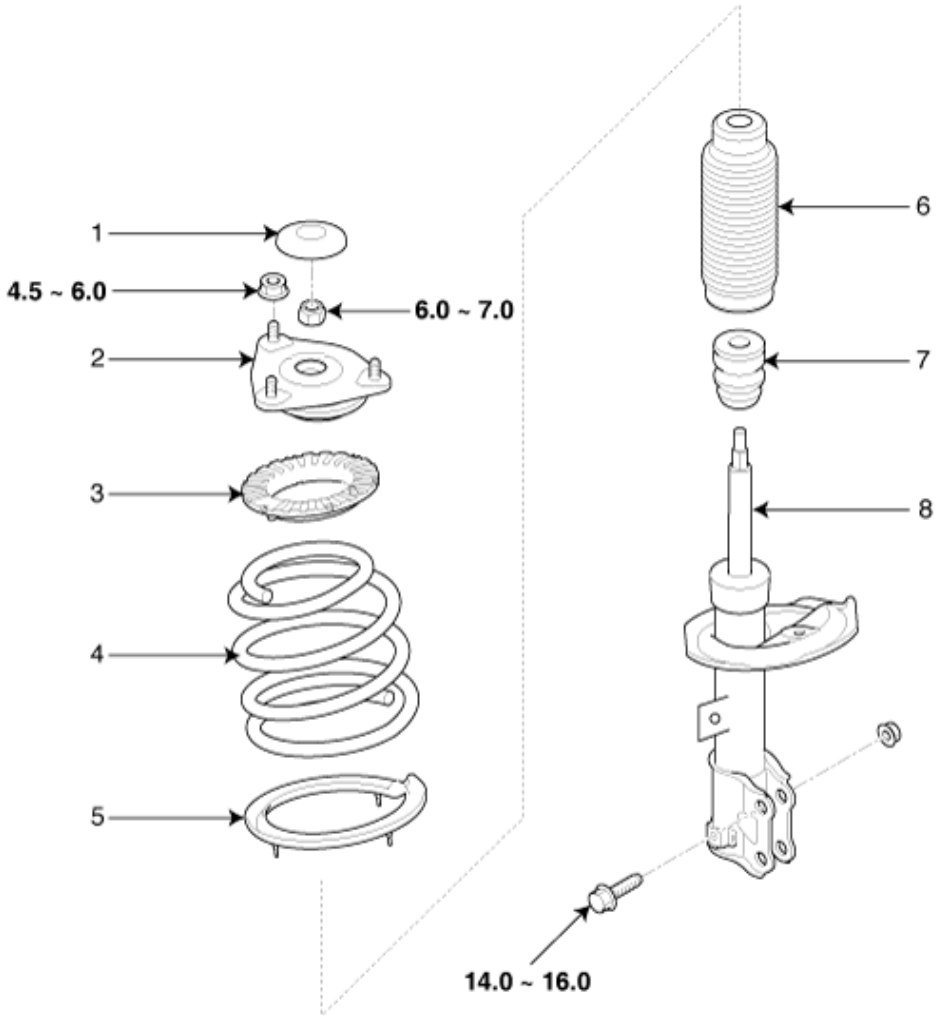
Components



1. Tension arm	5. Stabilizer bar
2. Lateral arm	6. Front axle
3. Front disk	7. Sub frame
4. Steering gearbox	

Components



Torque : N.m (kgf.m, lb-ft)

1. Insulator cap	5. Spring lower pad
2. Insulator assembly	6. Dust cover
3. Spring upper pad	7. Bumper rubber
4. Coil spring	8. Shock absorber

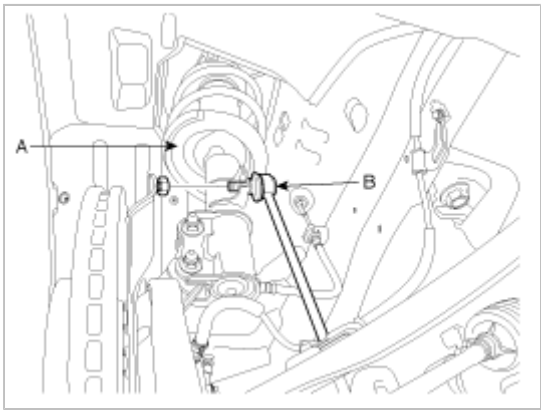
Replacement

1. Remove the front wheel & tire.

Tightening torque :
90 ~ 110 N.m(9.0 ~ 11.0 kgf.m, 65 ~ 80 lb-ft)

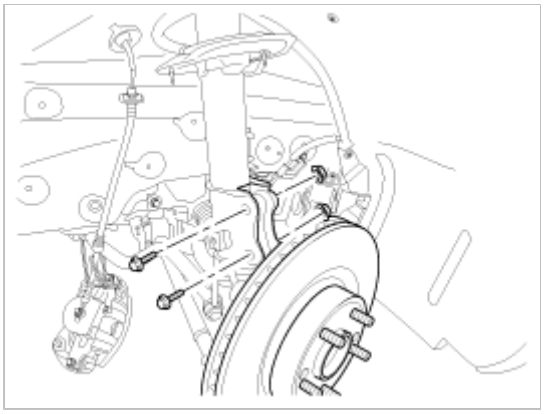
2. Disconnect the stabilizer link(B) with the front strut assembly(A) after loosening the nut.

Tightening torque :
100 ~ 120 N.m(10.0 ~ 12.0 kgf.m, 72 ~ 87 lb-ft)



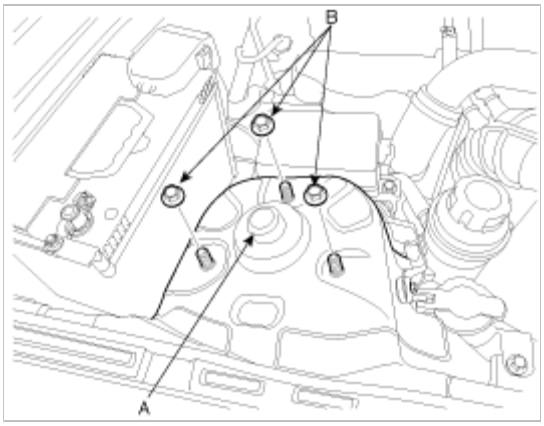
3. Disconnect the front strut assembly with the knuckle by loosening the bolt & nut.

Tightening torque :
140 ~ 160 N.m(14.0 ~ 16.0 kgf.m, 101 ~ 116 lb-ft)



4. Remove the strut cap(A).
5. Loosen the strut mounting nuts(B).

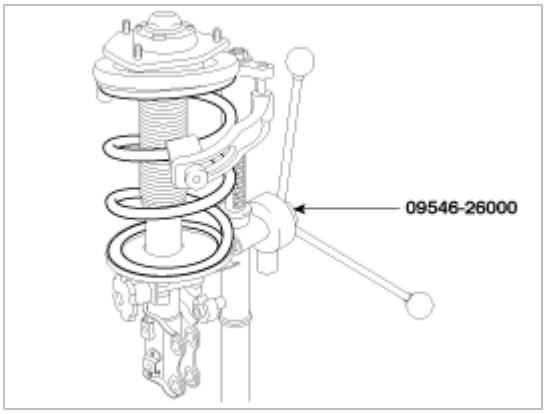
Tightening torque :
45 ~ 65 N.m(4.5 ~ 6.5 kgf.m, 32 ~ 47 lb-ft)



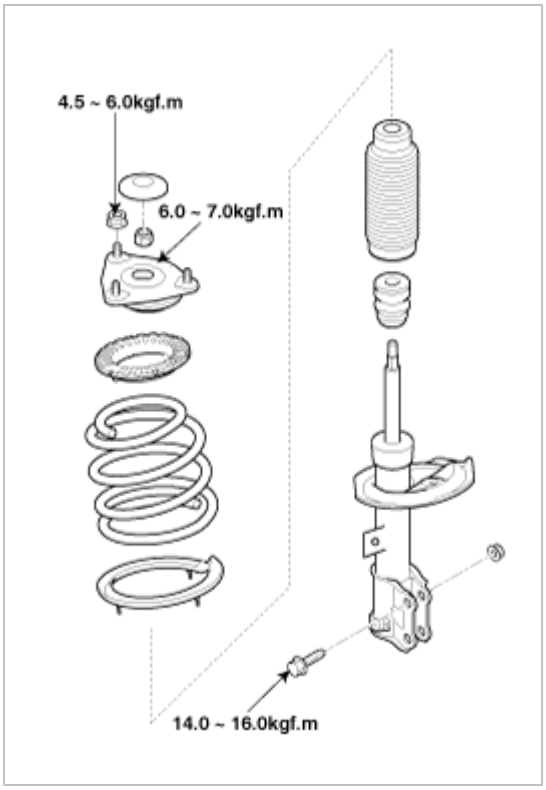
6. Installation is the reverse of removal.

Disassembly

1. Using the special tool (09546-26000), compress the coil spring.

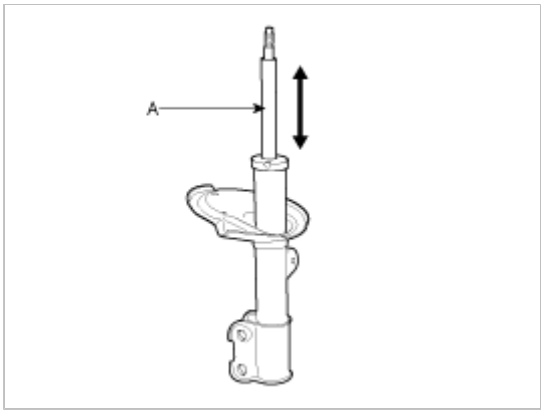


2. Remove the self-locking nut.
3. Remove the insulator, spring seat, coil spring and dust cover from the strut assembly.



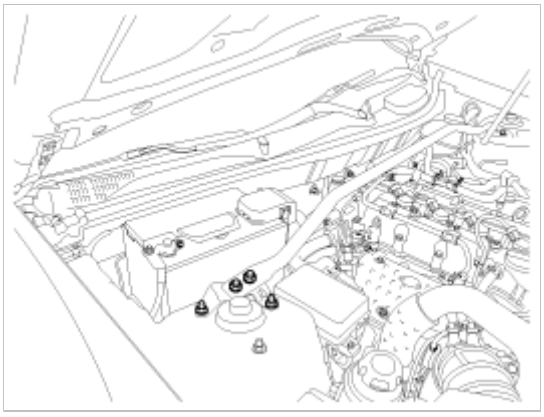
Inspection

1. Check the strut insulator for wear or damage.
2. Check rubber parts for damage or deterioration.
3. Compress and extend the piston rod (A) and check that there is no abnormal resistance or unusual sound during operation.



Replacement

1. Loosen the strut bar nuts.



2. Installation is the reverse of removal.

Replacement

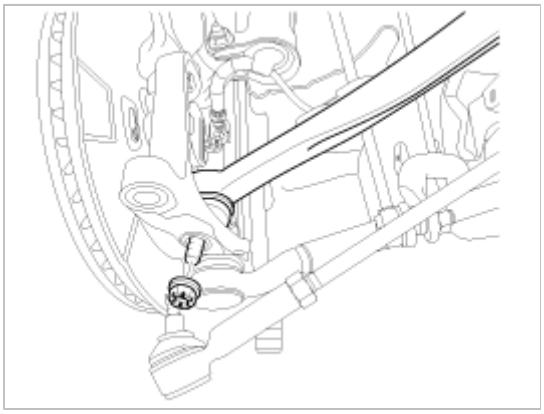
Tension arm

1. Remove the front wheel & tire.

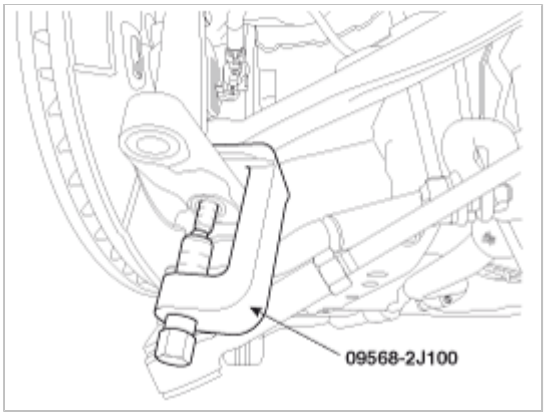
Tightening torque :
90 ~ 110 N.m(9.0 ~ 11.0 kgf.m, 65 ~ 80 lb-ft)

2. Remove the front wheel & tire.

Tightening torque :
80 ~ 90 N.m(8.0 ~ 9.0 kgf.m, 58 ~ 65 lb-ft)

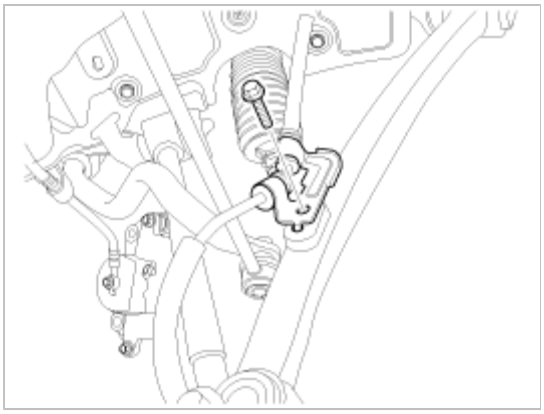


3. Separate the tension arm from the front axle ball joint by using SST (09568-2J100).



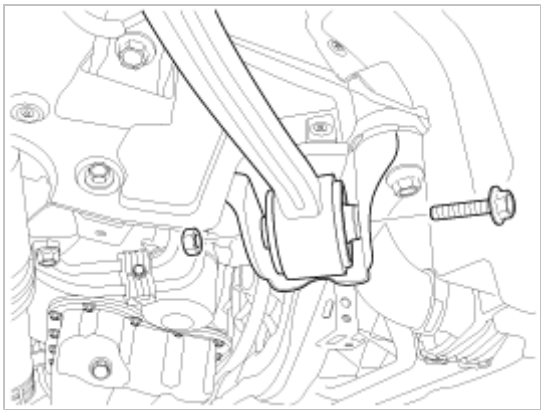
4. Remove the flexible hose.

Tightening torque :
7 ~ 11 N.m(0.7 ~ 1.1 kgf.m, 5 ~ 8 lb-ft)



5. Loosen the bolts and nuts and then remove the tension arm from the sub frame.

Tightening torque :
140 ~ 160 N.m(14.0 ~ 16.0 kgf.m, 101 ~ 116 lb-ft)



6. Installation is the reverse of removal.

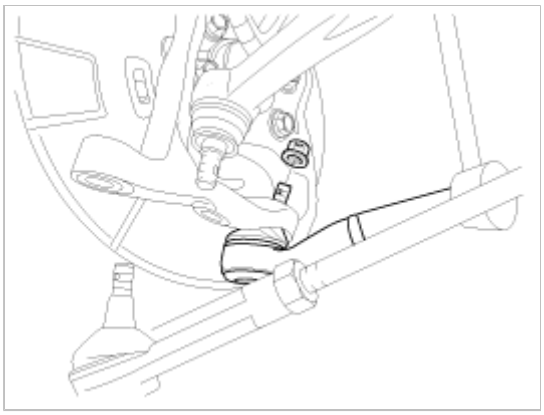
Lateral arm

1. Remove the front wheel & tire.

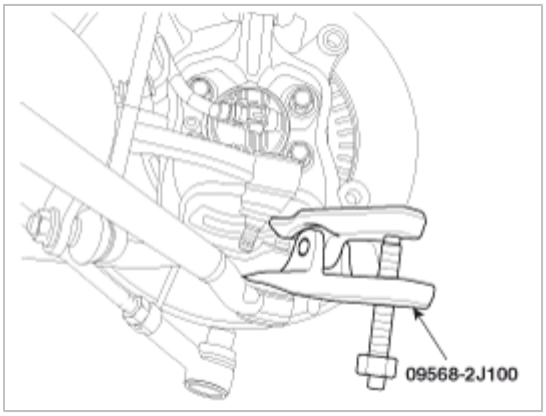
Tightening torque :
90 ~ 110 N.m(9.0 ~ 11.0 kgf.m, 65 ~ 80 lb-ft)

2. Remove the split pin and the castle nut.

Tightening torque :
80 ~ 90 N.m(8.0 ~ 9.0 kgf.m, 58 ~ 65 lb-ft)

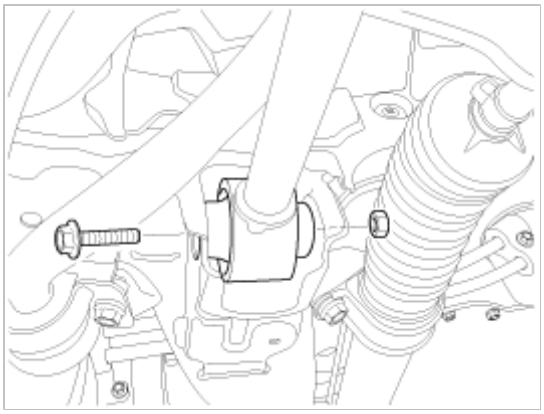


3. Separate the lateral arm from the front axle ball joint by using SST (09568-2J100).



4. Loosen the bolts and nuts and then remove the lateral arm from the sub frame.

Tightening torque :
140 ~ 160 N.m(14.0 ~ 16.0 kgf.m, 101 ~ 116 lb-ft)



5. Installation is the reverse of removal.

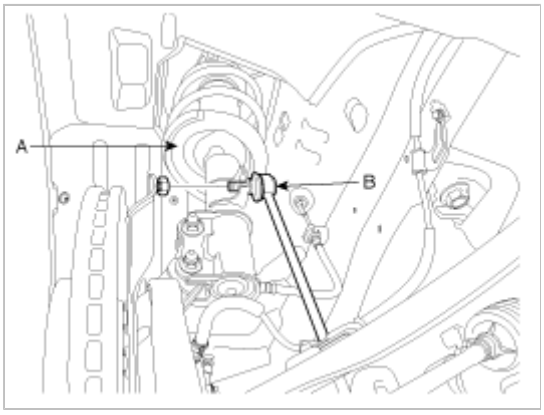
Replacement

1. Remove the front wheel & tire.

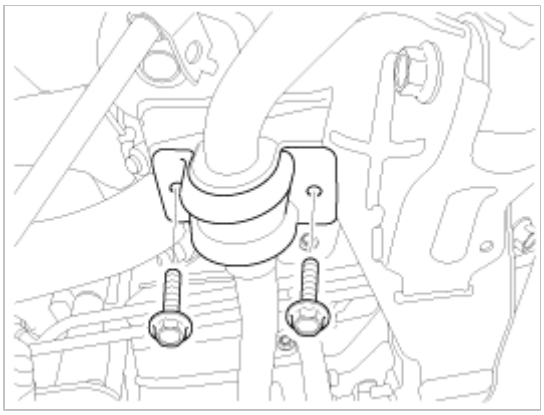
Tightening torque :
90 ~ 110 N.m(9.0 ~ 11.0 kgf.m, 65 ~ 80 lb-ft)

2. Disconnect the stabilizer link(B) with the front strut assembly(A) after loosening the nut.

Tightening torque :
100 ~ 120 N.m(10.0 ~ 12.0 kgf.m, 72 ~ 87 lb-ft)



3. Remove stabilizer from the cross member by loosening the clamp mounting bolts.



4. Installation is the reverse of removal.

Inspection

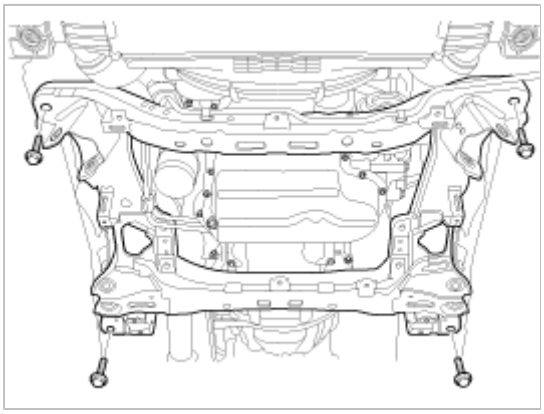
1. Check the bushing for wear and deterioration.
2. Check the front stabilizer bar for deformation.
3. Check the front stabilizer link ball joint for damage.

Replacement

1. Remove the front wheel & tire.

Tightening torque :
90 ~ 110 N.m(9.0 ~ 11.0 kgf.m, 65 ~ 80 lb-ft)

2. Remove the lower arm.
3. Remove the front strut assembly.
4. Remove the front stabilizer.
5. Remove the steering gear box.
6. Remove the cross member from the body by loosening the mounting bolts and nuts.



7. Installation is the reverse of removal.