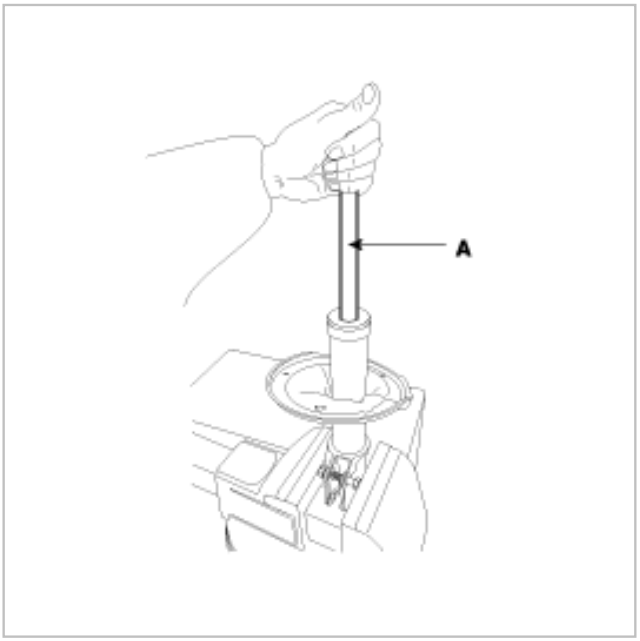
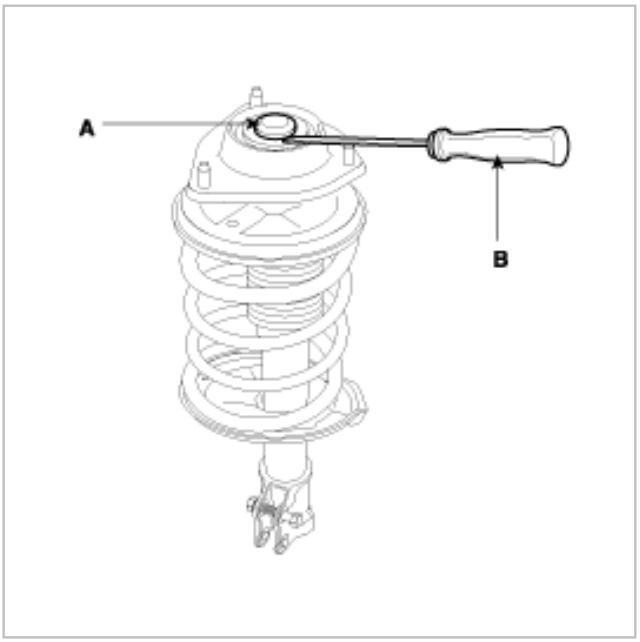
INSPECTION

1. Check the strut insulator bearing 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.

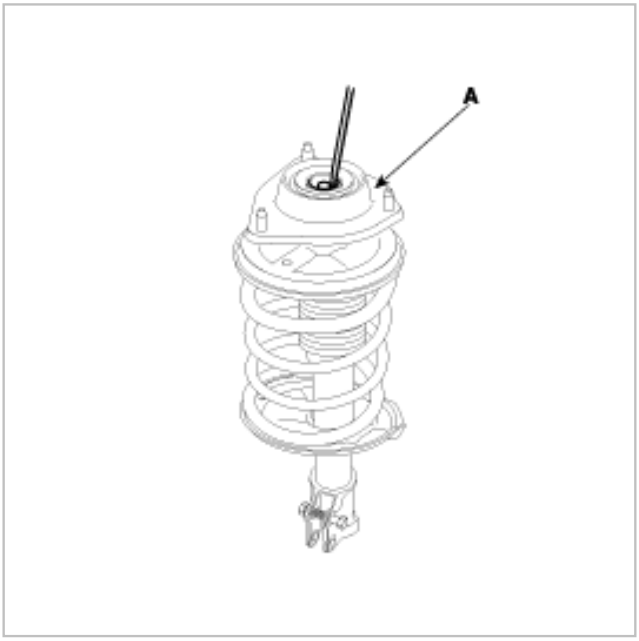


DISASSEMBLY

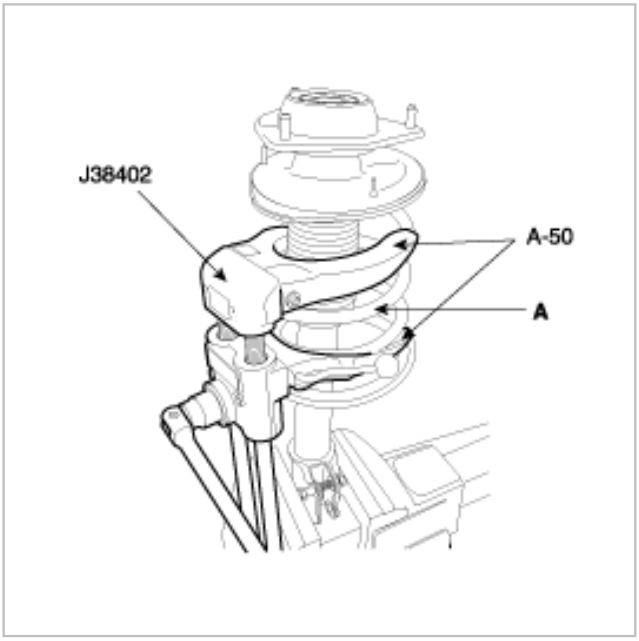
1. Remove the dust cover(A) with a flat-tipped (-) screwdriver(B).



2. Open the dust cover and wipe off grease in the insulator(A).



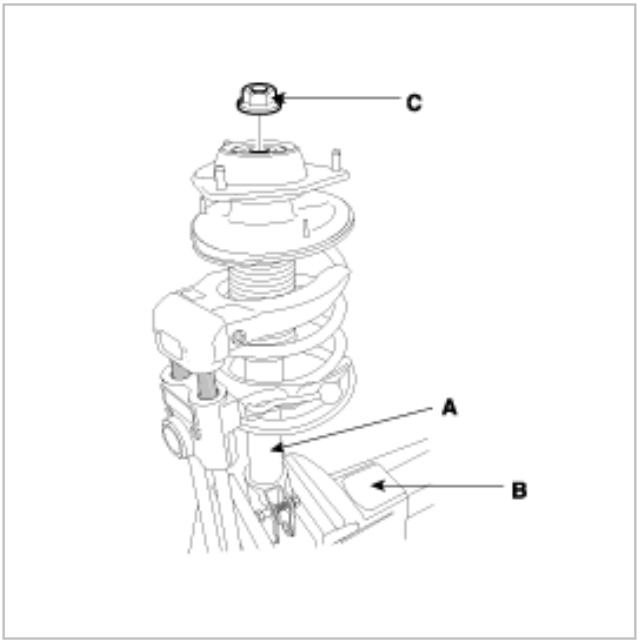
3. Using the Special Tool (J38402, A-50), compress the coil spring(A) until there is only a little tension of the spring on the strut.



NOTE

- When compress the coil spring, do not use an impact gun.

4. Under the condition of fixed strut(A) on the vise(B), remove the front strut self-locking nut(C).



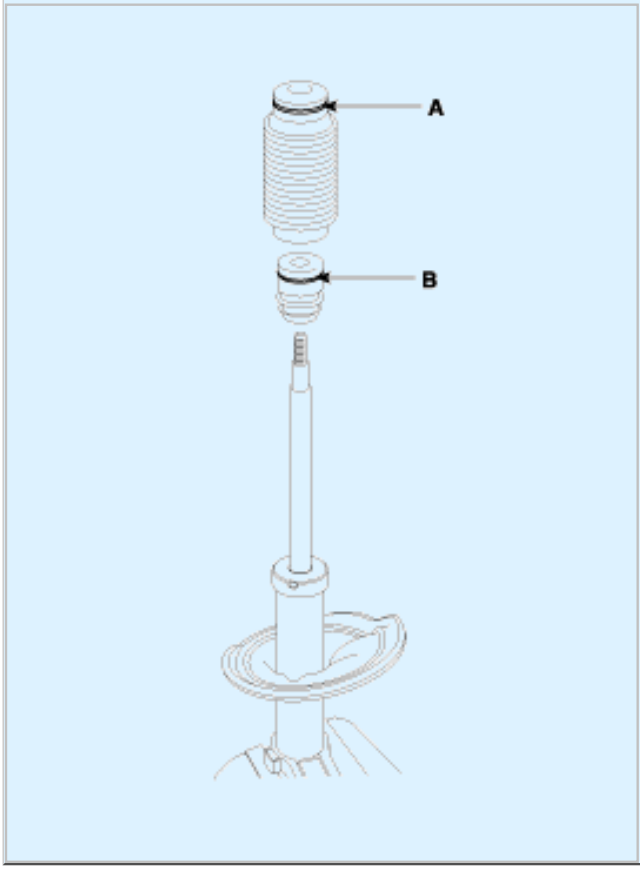
5. Remove the insulator, spring seat, coil spring and dust cover from the strut assembly

REASSEMBLY

1. Install lower spring pad so that the protrusions fit in the holes of the spring lower seat.
2. Install the strut dust cover(A) and rubber bump(B) to piston rod.

CAUTION

Compress the piston rod until engaging two grooves(A,B).



3. Compress coil spring using Special tool (J38402, A-50).
   Install compressed coil spring into shock aborber.

NOTE

1. Indicated two identification color marks on the coil spring; one follows model option (see page SS-2) the other follows load classification according to the below.
   Pay attention to distinaish between the two marks and then install them.

Left wheel side(LH)		Right wheel side(RH)
WHITE	← →	WHITE
YELLOW	← →	YELLOW
RED	← →	RED

2. Install the coil spring with the identification mark directed toward the knuckle.

4. After fully extending the piston rod, install the spring upper seat and insulator assembly.
5. After seating the upper and lower ends of the coil spring(A) in the upper and lower spring seat grooves(B) correctly, tighten new self-locking nut temporarily.

6. Remove the Special Tool(J38402, A-50).
7. Tighten the self-locking nut to the specified torque.

Tightening torque

50~70 Nm (500~700 kgf.cm, 37~51 lbf.ft)

8. Apply grease to the strut upper bearing and install the insulator cap.

CAUTION

When appling the grease, be careful so that it isn't smeared on the insulator rubber.

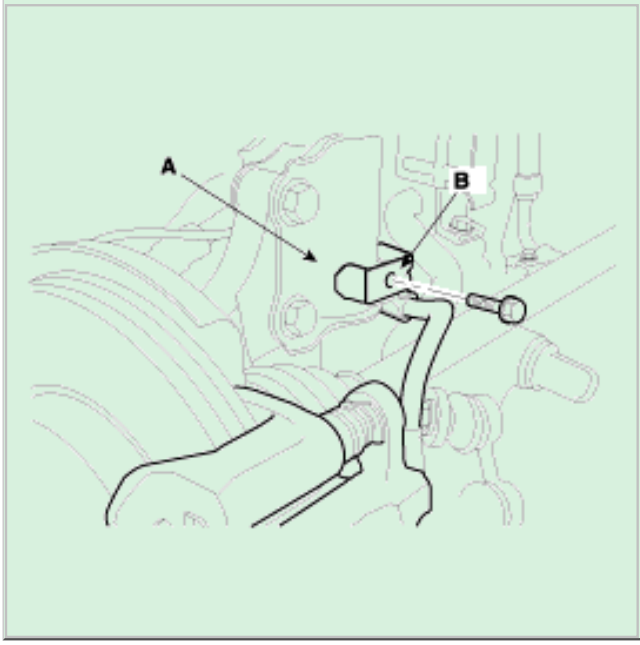
REMOVAL

1. Remove the front wheel and tire.

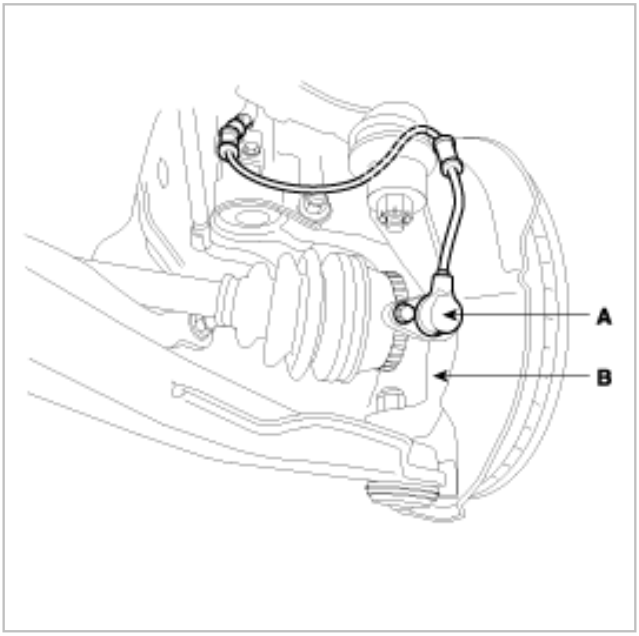
2. Detach the brake hose bracket(B) from the front strut assembly(A).

NOTE

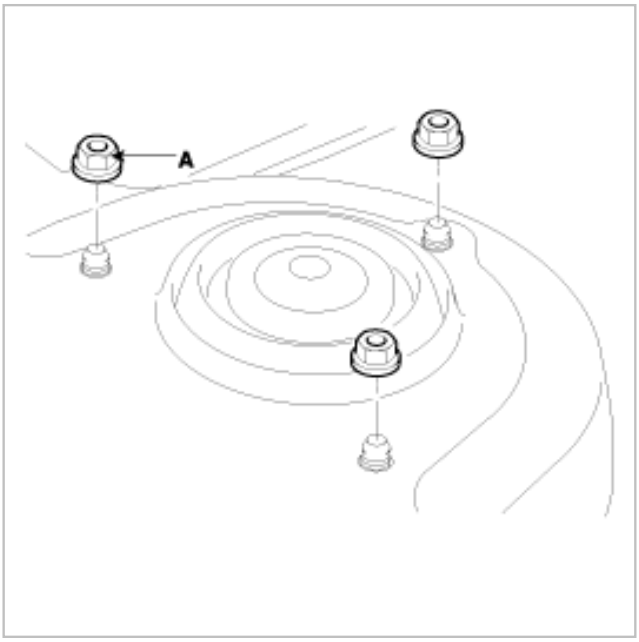
Do not apply excessive force to the components.



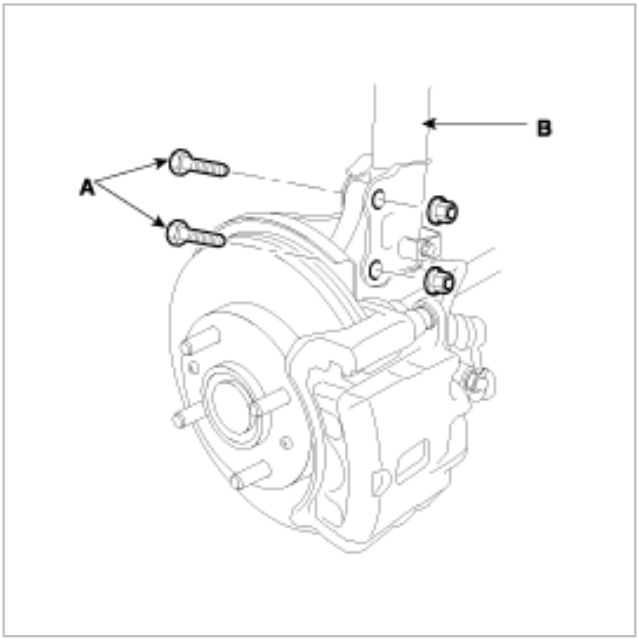
3. In case of the vehicles equipped with Anti-lock Brake system, remove the wheel speed sensor(A) from the knuckle(B).



4. Remove the strut upper mounting nuts (A).



5. Remove the strut lower mounting bolts(A) and then remove the strut assembly(B).



INSTALLATION

1. Installation is the reverse of the removal procedure.

> **NOTE**
>
> After installation, check the front wheel alignment.

DISPOSAL

1. Fully extend the piston rod.

2. Drill a hole on the A section to remove gas from the cylinder.

CAUTION

The gas coming out is harmless, but be careful of chips that may fly when drilling.