



INSPECTION

1. Check the bushing for wear and deterioration.
2. Check the lower arm for bending or breakage.
3. Check the ball joint dust cover for cracks and damage.
4. Check all bolts for damage and deformation.
5. Measure the ball joint rotating torque.

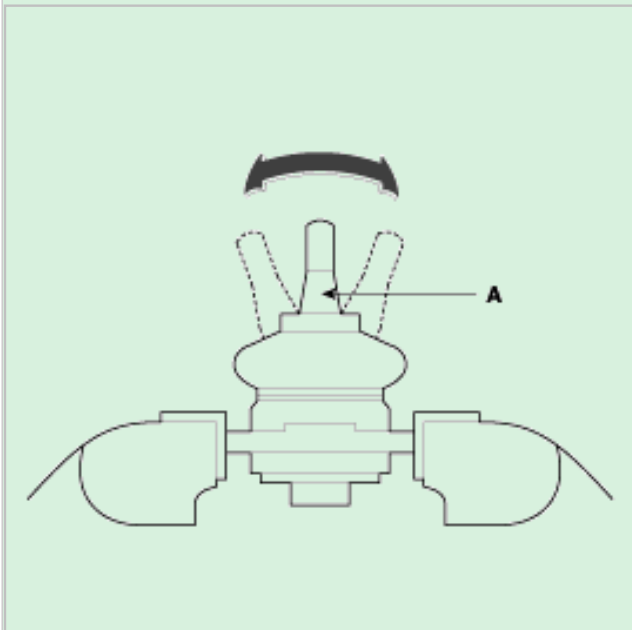
Standard value

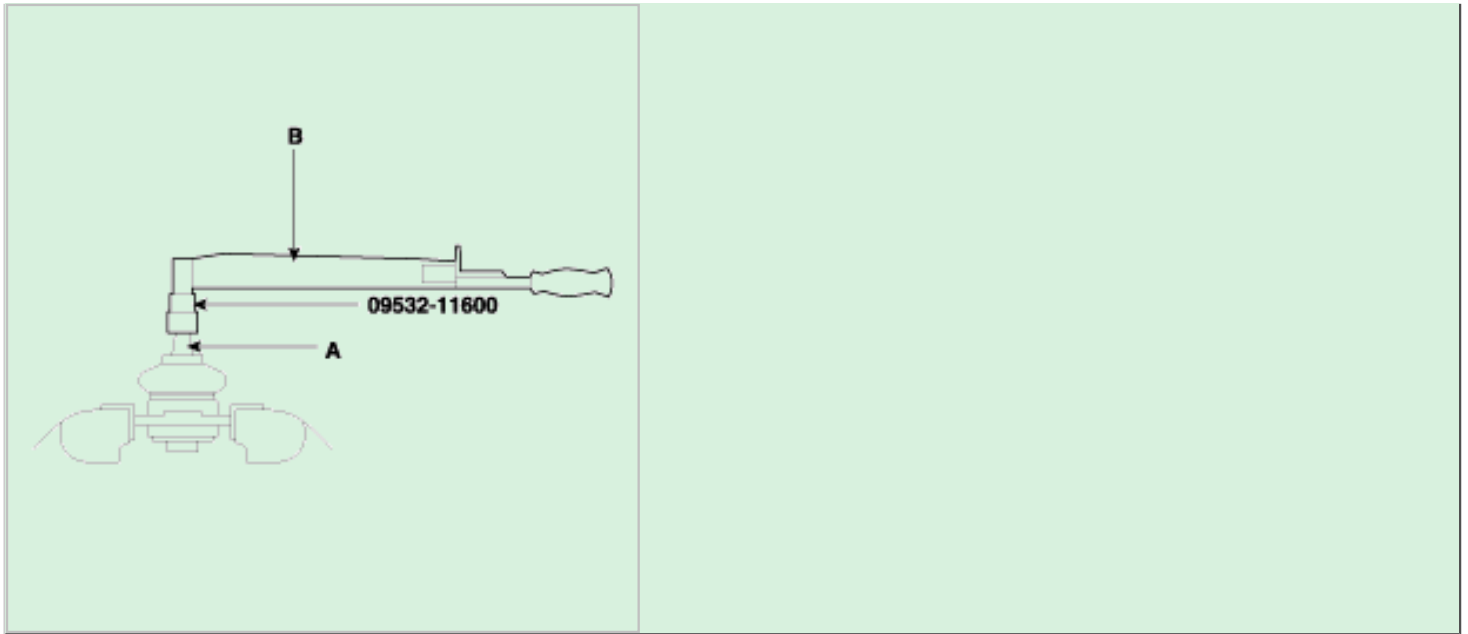
2~3.5 Nm (20~35 kgf.cm, 1.4~2.5 lbf.ft)

- A. If the rotating torque exceeds the limit of the standard value, replace the ball joint assembly.
- B. Even if the rotating torque is below the lower limit of the standard value, the ball joint may be reused unless it has drag and excessive play.

NOTE

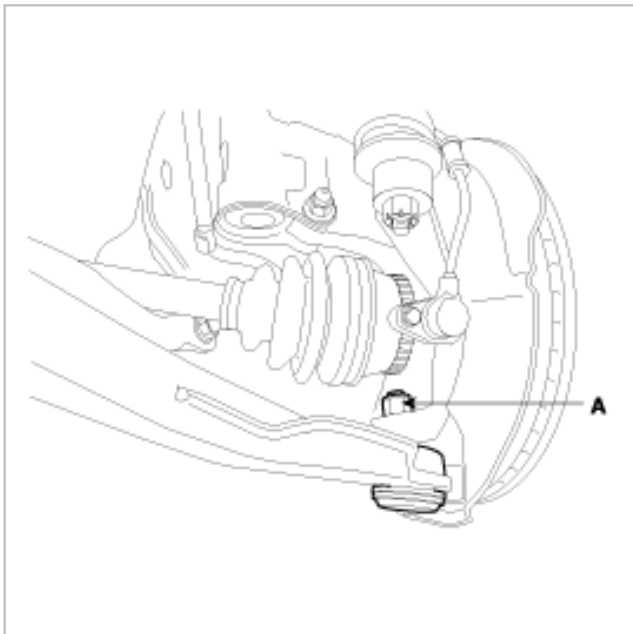
Measure torque using the special tool (09532-11600) and torque wrench(C) at the range of 0.5~2 rpm after moving the ball joint stud(A) 3° several times at room temperature.



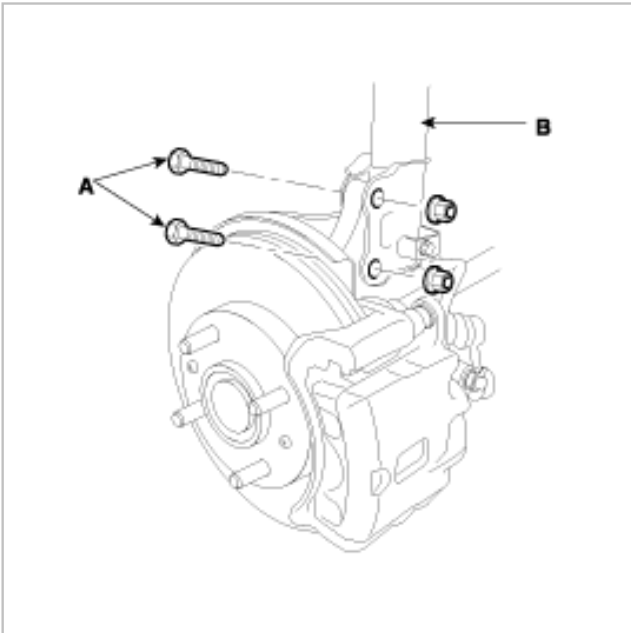


REMOVAL

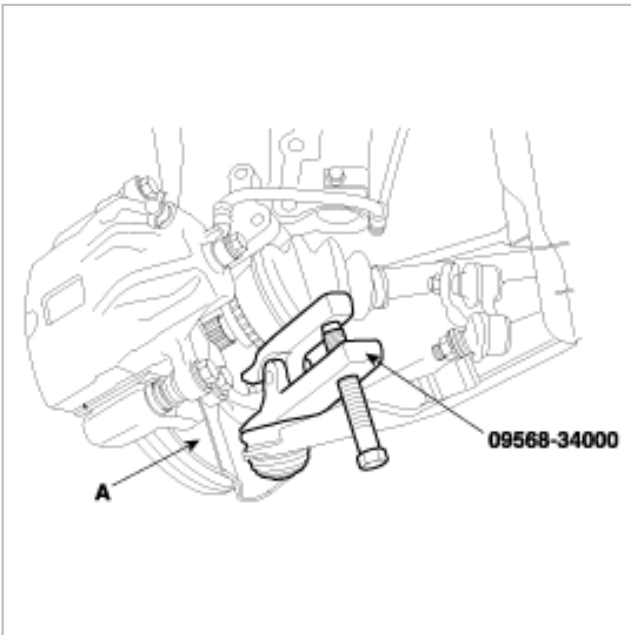
1. Remove the front wheel and tire.
2. Remove the split pin, the castle nut and the washer.
3. Loosen the lower arm ball joint nut(A), but do not remove it.



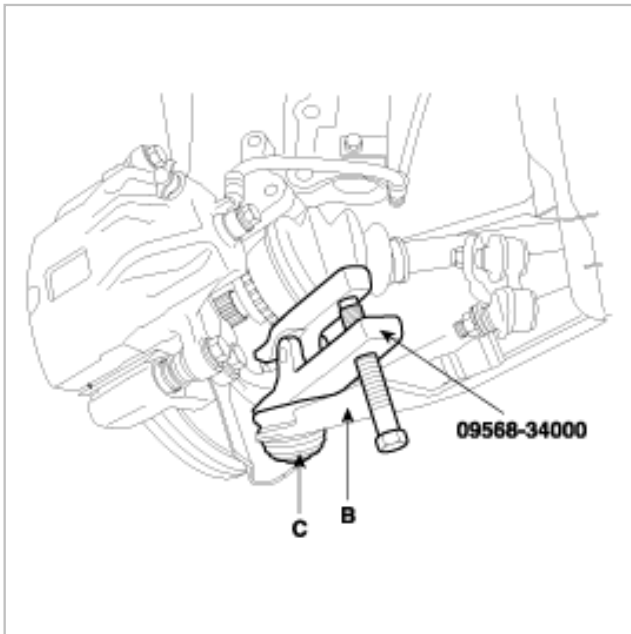
4. Remove the front strut lower mounting bolts(A) from the strut assembly(B).



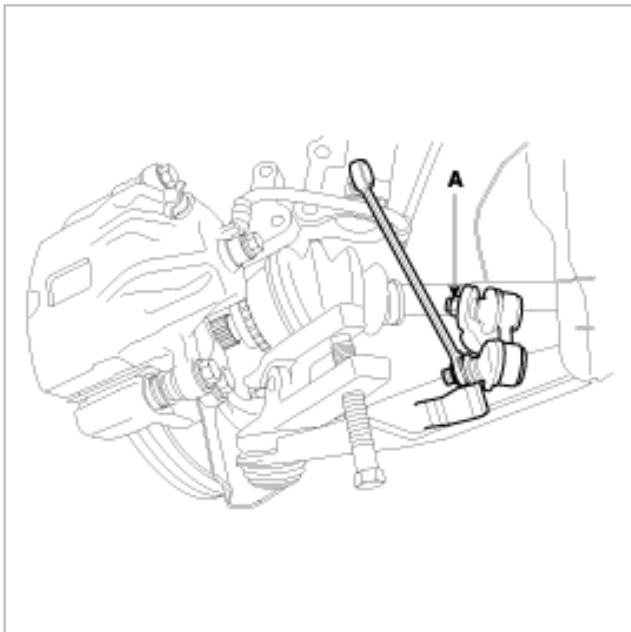
5. Push the axle hub(A) outward to install the Special tool (09568-34000) easily.



6. Using the Special Tool (09568 - 34000), disconnect the lower arm ball joint(C) from the lower arm(B).



7. Remove the stabilizer link nut(A).

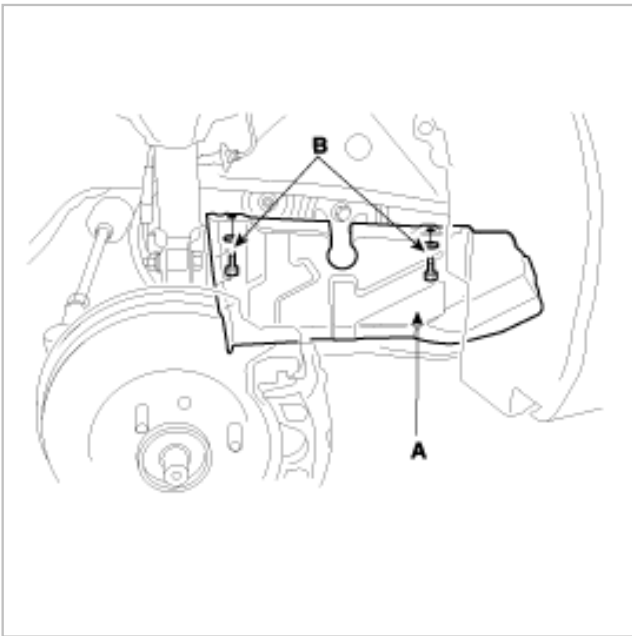


8. Temporarily install the strut lower mounting bolt.

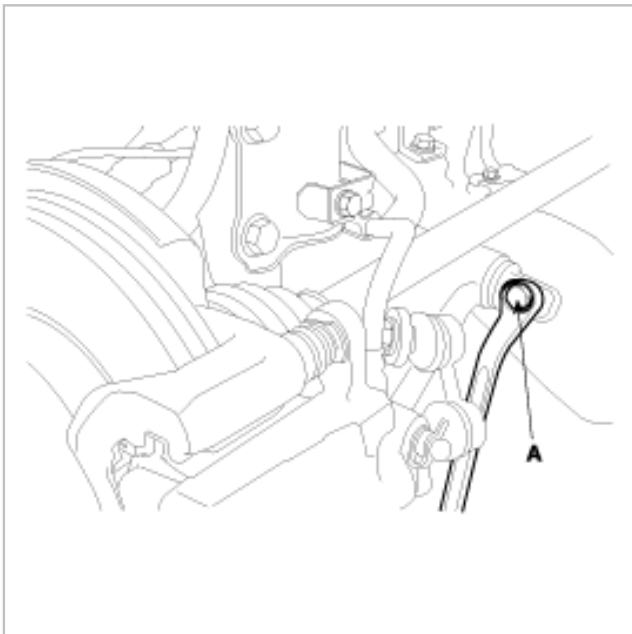
9. To the lower arm mounting bolt, remove the passenger seat side cover(A).

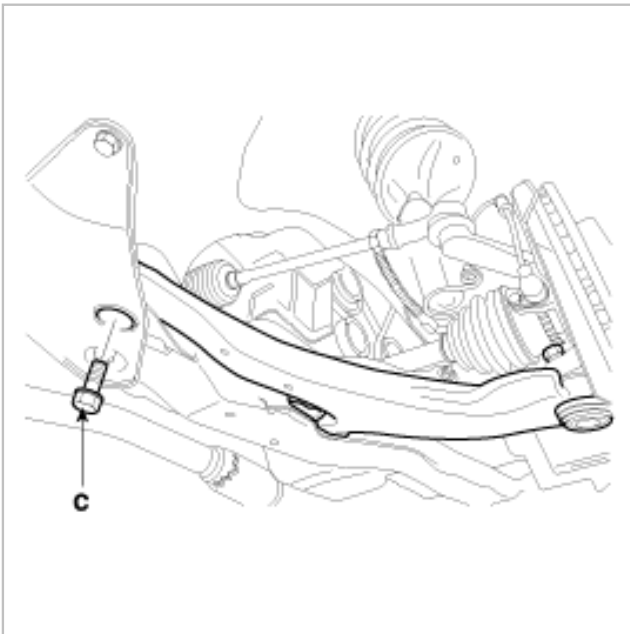
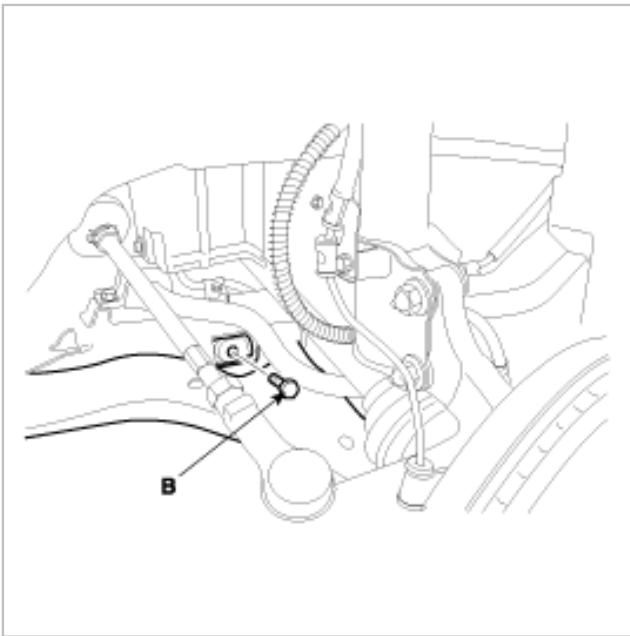
NOTE

It can be easily removed by loosening the mounting bolts(B).



10. Remove the lower arm mounting bolts(A,B,C).





11. Remove the lower arm assembly after completely unfastening the nut of lower arm ball joint which was loosened temporarily in step 3.

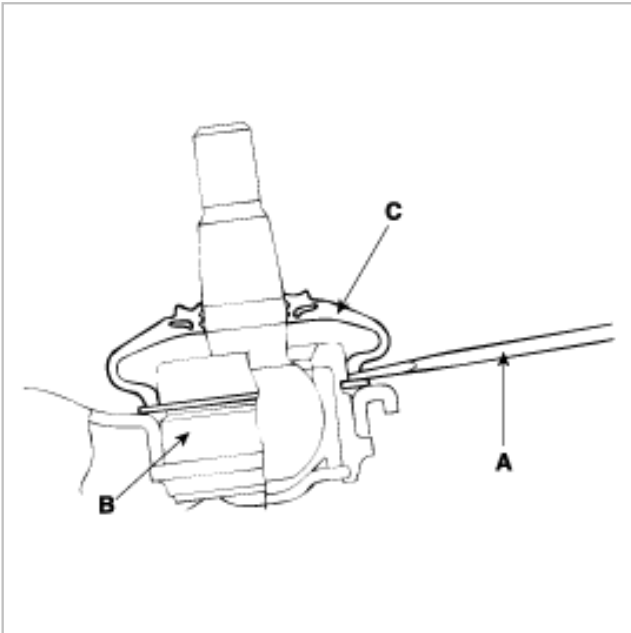
INSTALLATION

Installation is the reverse of the removal procedure.

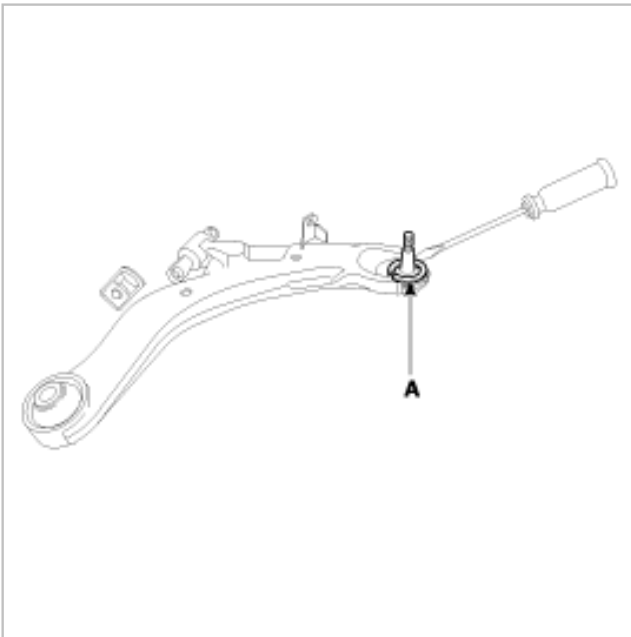
REPLACEMENT

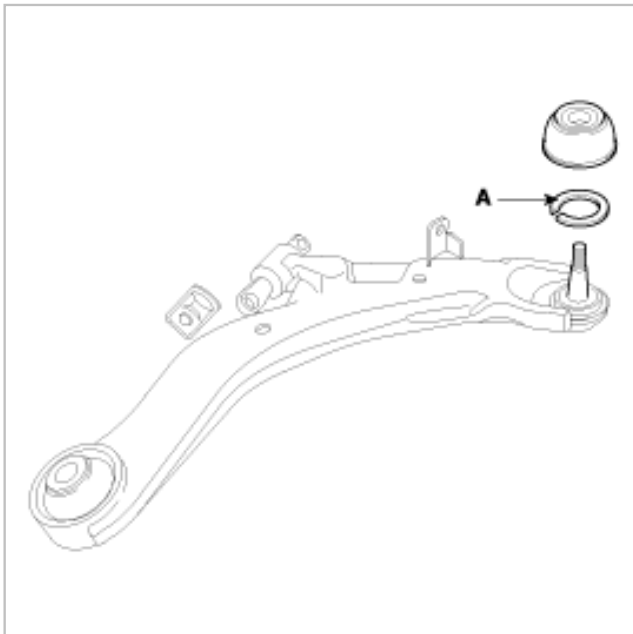
BALL JOINT AND DUST COVER

1. Using a flat-tipped (-) screwdriver(A), remove the dust cover(C) from the lower arm ball joint(B).

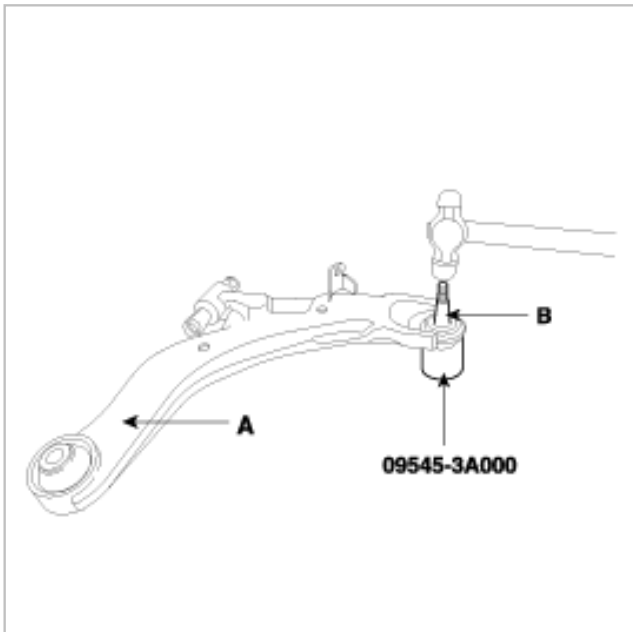


2. Remove the snap ring(A).

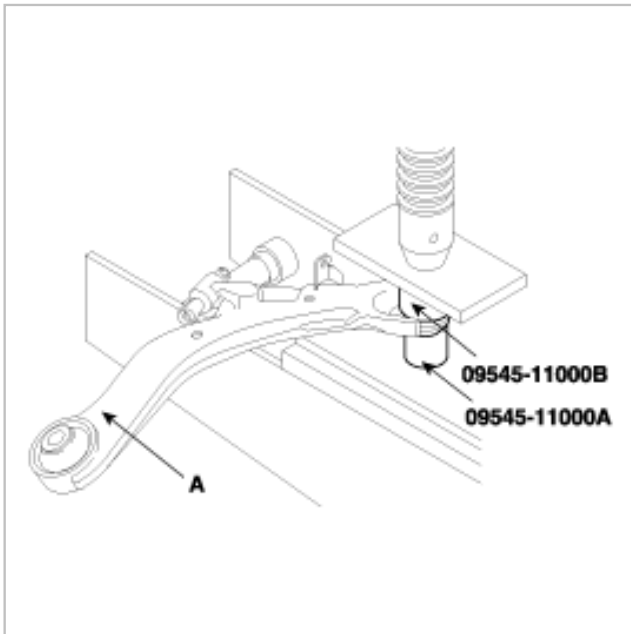




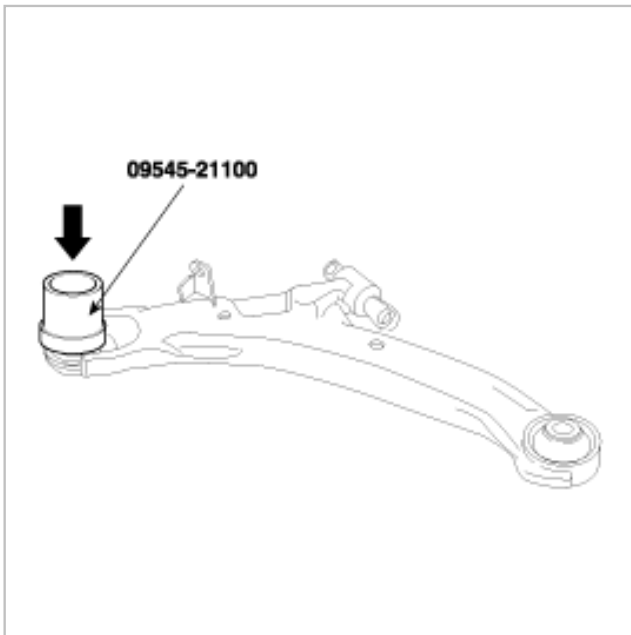
3. Using a plastic hammer or the Special tool(09545-3A000), separate the ball joint(B) from the lower arm(A).



4. Using the Special tool (09545 - 11000A/B), press-fit the ball joint into the lower arm assembly(A).

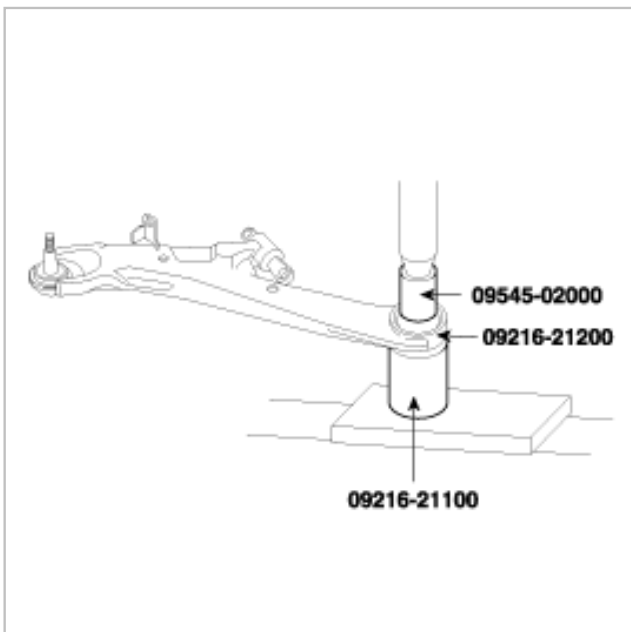


5. Install the snap ring.
6. Using the Special tool (09545 - 21100), install the dust cover.



LOWER ARM BUSHING (G)

1. Install the Special tools (09545 - 02000, 09216 - 21200, 09216 - 21200) on the lower arm.
2. Press out the bushing.

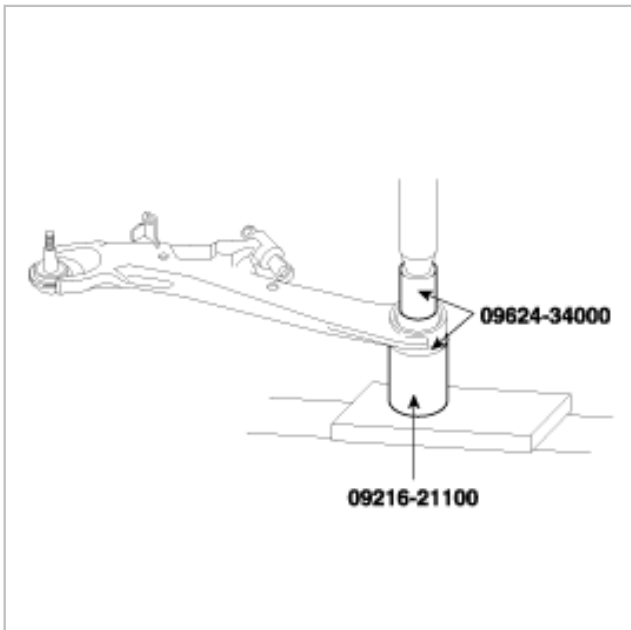


3. Apply soap solution to the following parts.

A. Outer surface of the bushing.

B. Inner surface of the lower arm bushing mounting part.

4. Install the new bushing on the lower arm using the Special Tools (09216 - 21100, 09624 - 34000).



NOTE

Press-in the lower arm bushing (G) in the same direction as shown in illustration.

Pull out force for the bushing :

80 N [800 kg(f), 11.9 lb(f)] or more

