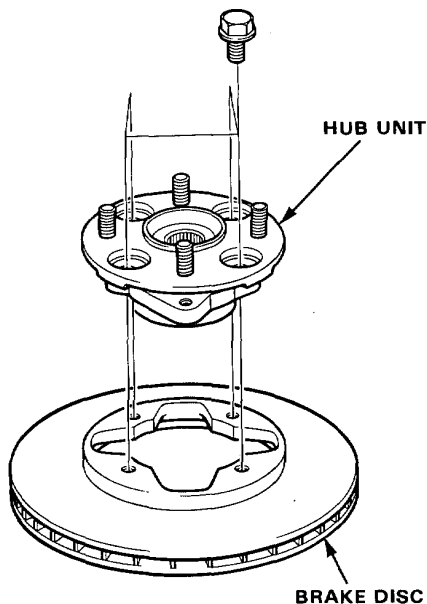




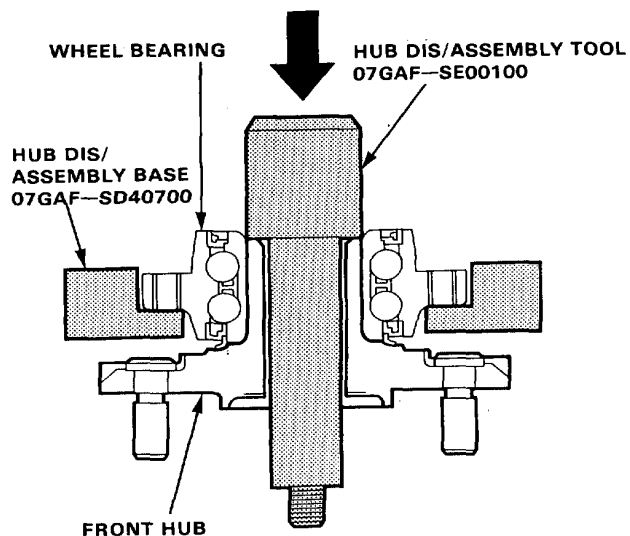
15. Remove the four bolts, then separate the hub unit from the brake disc.



16. Separate the wheel bearing from the hub using the special tools and a hydraulic press.

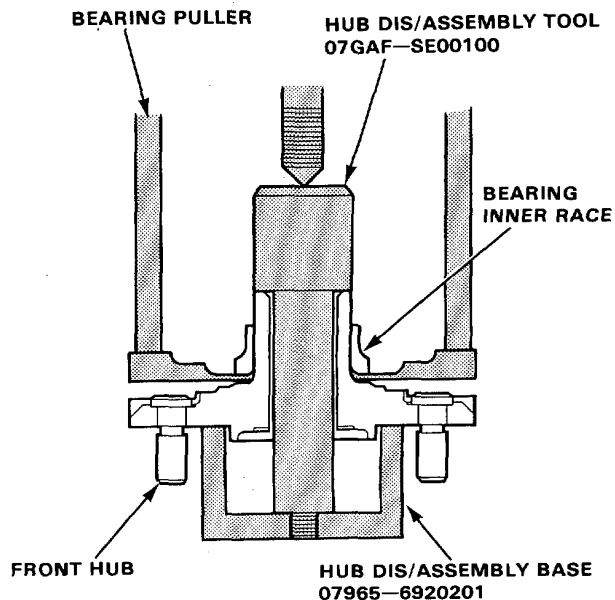
CAUTION:

- Hold onto the hub to keep it from falling when pressed clear.
- To prevent damage to the tool make sure the threads are fully engaged before pressing.



17. Remove the outboard bearing inner race from the hub using the special tools shown and a bearing puller.

CAUTION: To prevent damage to the tool make sure the threads are fully engaged before pressing.



NOTE: Wash the knuckle and hub thoroughly in high flash point solvent before reassembly.

(cont'd)

Front Suspension

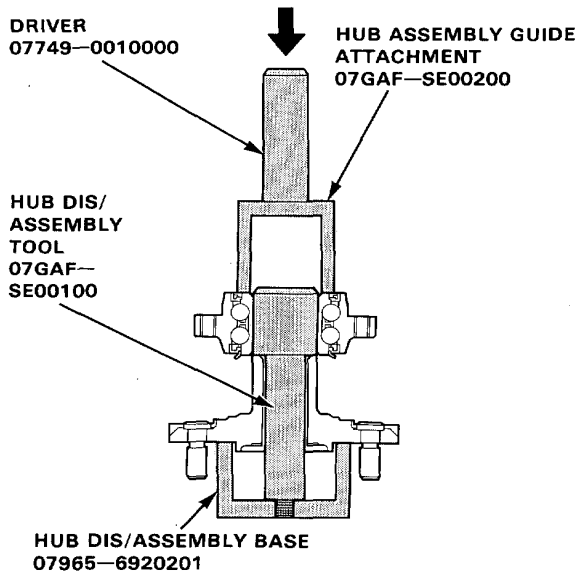
Knuckle/Hub Replacement (cont'd)

Wheel bearing and Hub unit Installation.

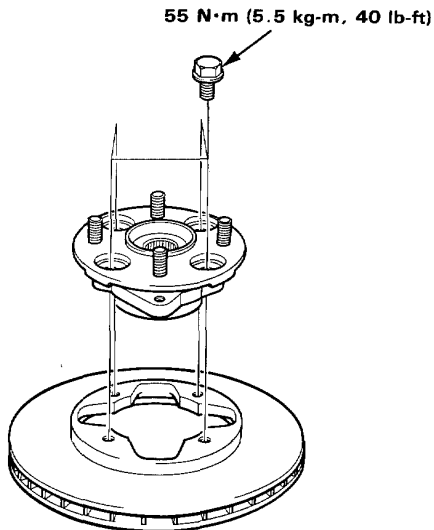
NOTE: Replace the bearing with a new one after removal.

18. Press a new wheel bearing into the hub using the special tools shown and a hydraulic press.

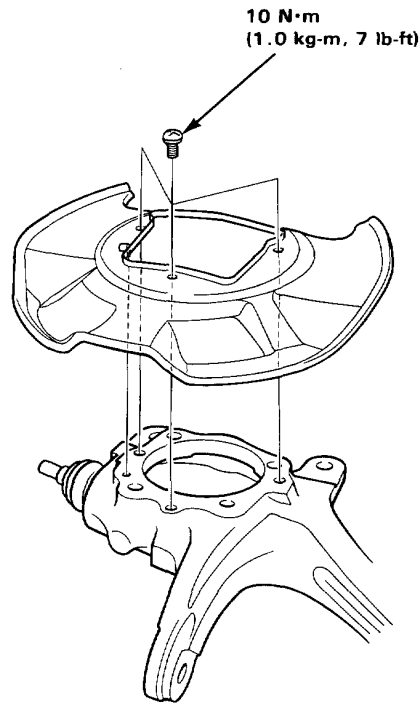
CAUTION: To prevent damage to the tool make sure the threads are fully engaged before pressing.



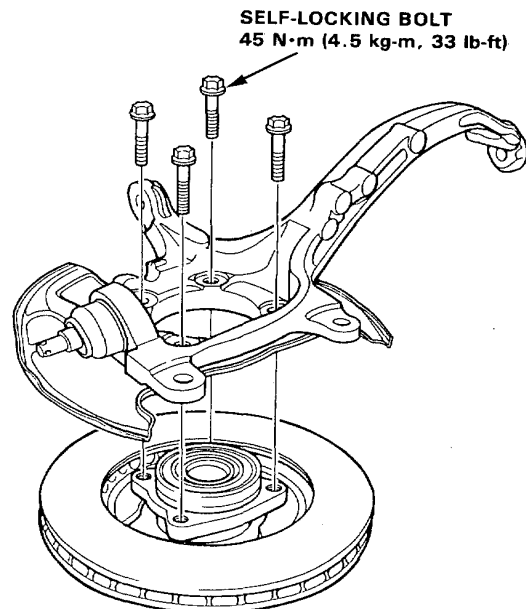
19. Install the hub unit on the brake disc and tighten the bolts.



20. Install the splash guard and tighten the screws.



21. Install the knuckle on the hub unit and tighten the bolts.



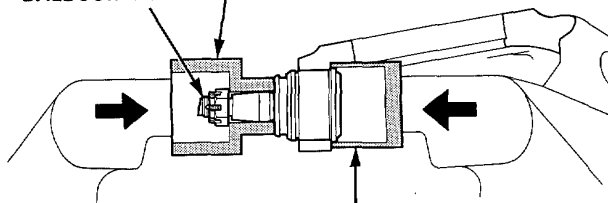


Lower Ball Joint Replacement

1. Remove the knuckle (page 12-17).
2. Remove the boot by prying the circlip off.
3. Remove the 40 mm circlip.
4. Install the special tool on the ball joint and tighten the ball joint nut.
5. Position the special tool over the ball joint as shown then set the assembly in a vise. Press the ball joint out of the knuckle.

BALL JOINT REMOVER/INSTALLER
07HAF-SF10110

BALL JOINT NUT

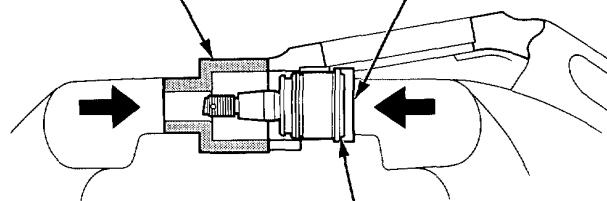


BALL JOINT REMOVER BASE
07HAF-SF10130

6. Place the ball joint in position by hand.
7. Install the special tools over the ball joint as shown, then press the ball joint in.

BALL JOINT REMOVER/INSTALLER
07HAF-SF10110

BALL JOINT INSTALLER BASE
07HAF-SF10120



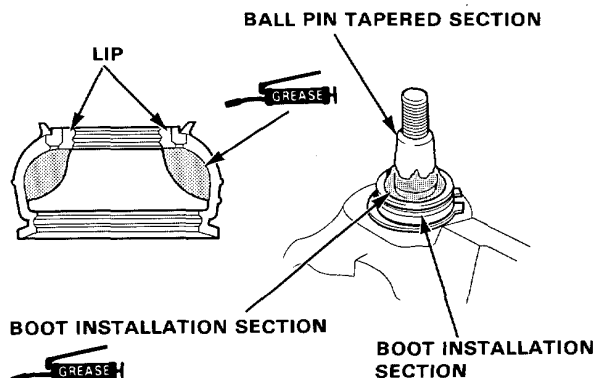
Ball joint housing surface.

8. Install the 40 mm circlip.

Ball Joint Boot Replacement

Jolt the ball pin and back and forth check the ball joint for wear. Replace the ball pin if it worn excessively.

1. Remove the circlip and the boot.
CAUTION: Do not contaminate the boot installation section with grease.
2. Pack the interior of the boot and lip with grease.



3. Wipe the grease off the sliding surface of the ball pin and pack with fresh grease.
CAUTION:
 - Keep grease off the boot installation section and the tapered section of the ball pin.
 - Do not allow dust, dirt, or other foreign materials to enter the boot.
4. Install the boot in the groove of the boot installation section securely, then bleed air.
5. Adjust the special tool with the adjusting bolt until the end of the tool aligns with the groove on the boot.
6. Slide the clip over the tool and into position.

BALL JOINT BOOT CLIP GUIDE
07GAG-SD40700

ADJUSTING BOLT
Adjust the depth by turning the bolt.

CIRCLIP

BOOT

40 mm CIRCLIP

CAUTION: After installing the boot, check the ball pin tapered section for grease contamination and wipe it if necessary.