

**NOTE:**

If wheel hub component (1) can not be removed by hand, use special tools as shown. **X**

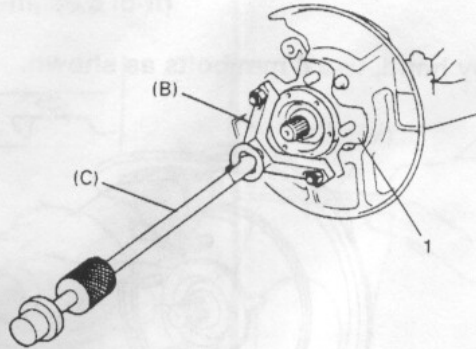
**Special tool**

(B): 09943-35512

(C): 09942-15511

This is just a common slide(slam) hammer.

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FSM**

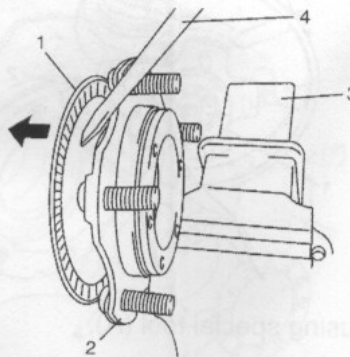


- 10) Remove sensor rotor (1) from wheel hub (2) as shown in the figure (if equipped with ABS).

**CAUTION:**

Pull out sensor rotor (1) from wheel hub (2) gradually and evenly.

Do not reuse sensor rotor once removed. Be sure to install new sensor. **ABS**



Tone Ring

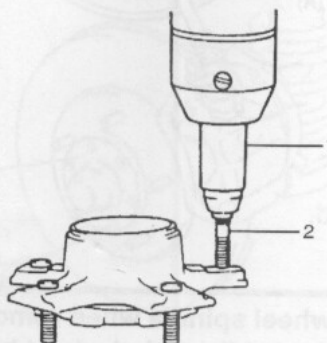
3. Vise

4. Flat end rod

- 11) Remove hub bolts from hub.

**Wheel Hub / Bearing / Oil Seal Installation**

- 1) Insert new stud in hub hole. Rotate stud slowly to assure serrations are aligned with those made by original bolt.



1. Oil hydraulic press

2. Hub bolt

- 2) Install new sensor rotor (1) by using special tools and press (3) (if equipped with ABS).

**NOTE:**

Use care not to insert wheel hub (2) diagonally.

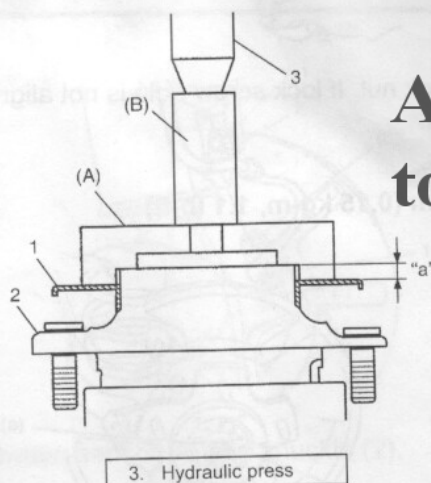
**Special tool**

(A): 09952-86510

(B): 09924-74510

**Wheel speed sensor rotor installing position (reference dimension "a")**

"a":  $4.9 \pm 0.1$  mm ( $0.19 \pm 0.004$  in.)



## ABS tone wheel

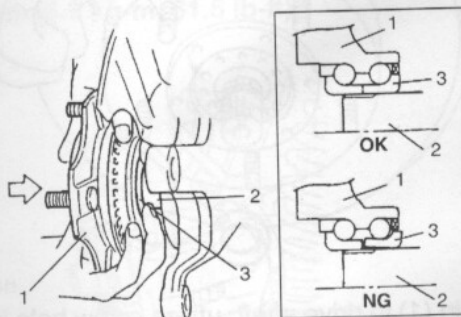
- 3) Install wheel hub component to spindle supporting wheel bearing inner race by finger as shown in the figure.

**CAUTION:**

Don't tap wheel hub component by hammer or the like. Otherwise, it will be broken.

**NOTE:**

When it is impossible to install wheel hub component by hand, which means the inner race is out of alignment, remove wheel hub component once and reinstall it.



1. Wheel hub
2. Wheel spindle
3. Bearing inner race

The Hub  
is not  
Serviceable.  
Sold fully loaded.

- 4) Install bearing washer, and then install wheel bearing lock nut.  
5) Tighten wheel bearing lock nut to specified torque while turning wheel hub by hand.

**Special tool**

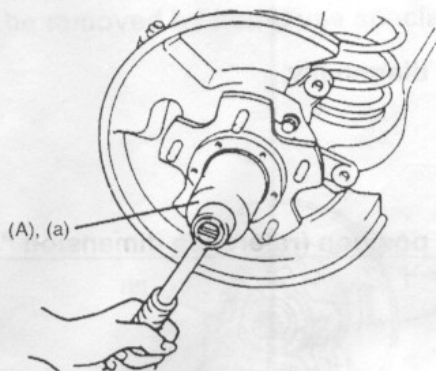
(A): 09951-16050

**Tightening torque**

Wheel bearing lock nut (a): 216 N·m (21.6 kg-m, 156.5 lb-ft)

LOOK

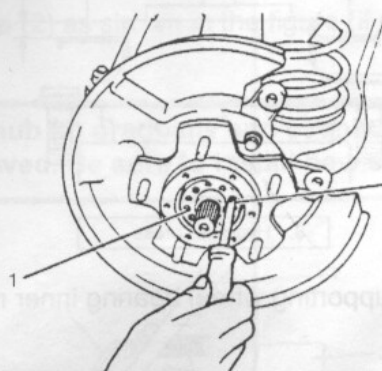
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- 6) Using lock washer (1), lock bearing lock nut. If lock screw hole is not aligned with screw hole in lock nut, turn lock nut in tightening direction till they align.

## Tightening torque

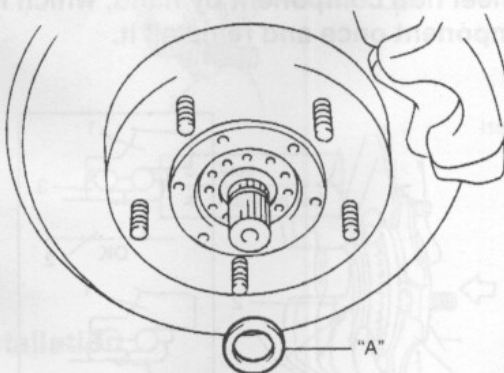
Lock bearing lock screw (a): 1.5 N·m (0.15 kg-m, 1.1 lb-ft)



4mm flat head screws

- 7) For 4WD vehicle, apply lithium grease "A" to front drive shaft washer and front wheel spindle outer.

"A": Grease 99000-25010



- 8) For 4WD vehicle, when installing circlip (1) to drive shaft, utilize screw hole in drive shaft to pull it out and bring large diameter (2) of circlip (1) at right as shown in the figure.

