Exit

# **CAUTION / NOTICE / HINT**

### HINT:

Use the same procedure for the RH and LH sides.

AXLE AND DIFFERENTIAL STEERING KNUCKLE REMOVAL

The procedure listed below is for the LH side.

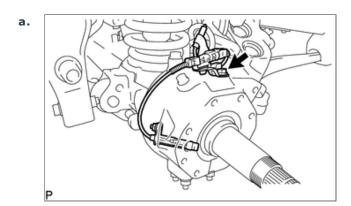
### **PROCEDURE**

1.REMOVE FRONT AXLE HUB SUB-ASSEMBLY LH

43502C

Click hereDrivetrain>AXLE AND DIFFERENTIAL>FRONT AXLE HUB>REMOVAL

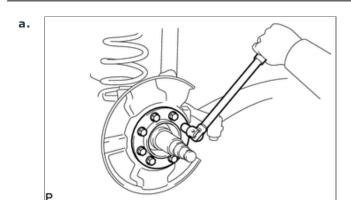
2.DISCONNECT FRONT SPEED SENSOR LH (w/ ABS)



Remove the bolt and disconnect the front speed sensor LH.

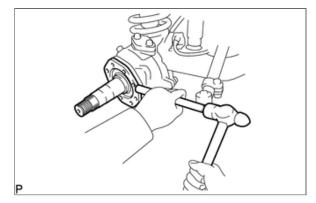
3.REMOVE STEERING KNUCKLE SPINDLE SUB-ASSEMBLY

43401



Remove the 8 bolts, front axle hub dust seal, knuckle spindle oil retainer gasket and front disc brake dust cover.

b.



Using a brass bar and hammer, tap the knuckle spindle of the steering knuckle.

c. Remove the knuckle spindle and knuckle spindle gasket.

### 4.REMOVE FRONT AXLE SHAFT ASSEMBLY

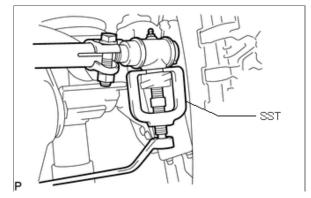
a. Position one flat part of the outer shaft upward and remove the front axle shaft assembly.

### 5.DISCONNECT STEERING RELAY ROD (for RHD)

45451

a. Remove the cotter pin and nut.





Using SST, disconnect the steering relay rod from the steering knuckle arm.

SST

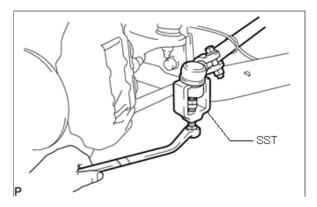
09611-22012

#### 6.DISCONNECT TIE ROD END SUB-ASSEMBLY LH

45047

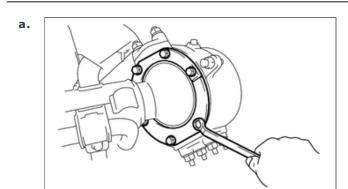
a. Remove the cotter pin and nut.





Using SST, disconnect the tie rod from the steering knuckle arm.

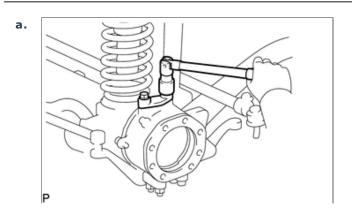
## 7.REMOVE STEERING KNUCKLE OIL SEAL COVER



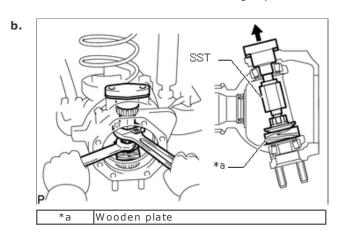
Remove the 6 bolts and 2 steering knuckle oil seal covers.

### **8.REMOVE STEERING KNUCKLE BEARING CAP**

43232



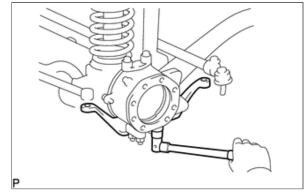
Remove the 2 bolts from the bearing cap.



Using SST and wooden plate, remove the steering knuckle bearing cap and shim from the steering knuckle. SST

09606-60020

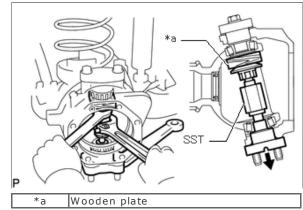
a.



Remove the 4 nuts from the No. 1 steering knuckle arm.

b. Using a brass bar and hammer, tap on the heads of the 4 bolts to remove the 4 cone washers.





Using SST and wooden plate, remove the No. 1 steering knuckle arm from the steering knuckle.

SST

09606-60020

d. Remove the steering knuckle king pin dust or ring seal from the No.1 steering knuckle arm.

#### **■ 10.REMOVE NO. 2 STEERING KNUCKLE ARM**

45612A

#### HINT:

Use the same procedure described for the No. 1 steering knuckle arm.

### 11.REMOVE STEERING KNUCKLE OIL SEAL SUB-ASSEMBLY

43204

**a.** Remove the steering knuckle outer oil seal, steering knuckle inner oil seal and steering knuckle oil seal inner ring from the steering knuckle.

### 12.REMOVE STEERING KNUCKLE LH

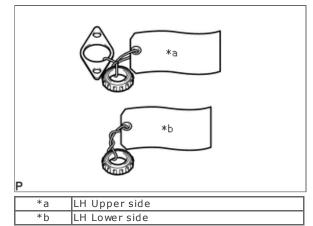
43212

a. Remove the steering knuckle from the front axle housing assembly.

### **■ 13.REMOVE STEERING KNUCKLE ARM BEARING**

45611F

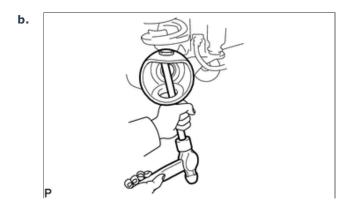
a.



Remove 2 steering knuckle arm bearings from the steering knuckle.

#### HINT:

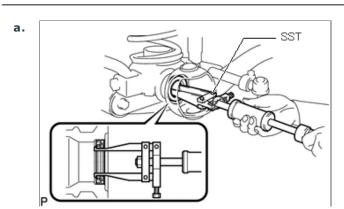
Mark the removed adjusting shim and bearings so as to enable reassembling them to their proper positions.



Using a brass bar and hammer, remove the 2 bearing outer races.

### 14.REMOVE FRONT DRIVE SHAFT TYPE T OIL SEAL

43411D



Using SST, remove the front drive shaft type T oil seal from the front axle housing assembly.

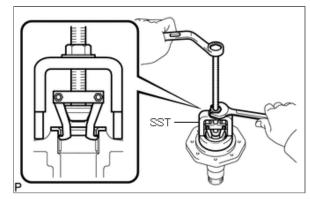
SST

09308-00010

15.REMOVE STEERING KNUCKLE BUSHING

43211R

a.



Using SST, remove the steering knuckle bushing from the steering knuckle spindle.

09612-65014 (09612-01010, 09612-01050)

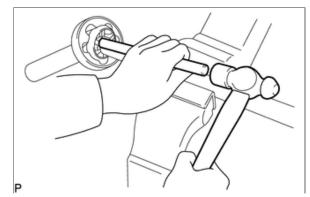
**b.** Remove the needle roller bearing from the steering knuckle spindle.

### 16.REMOVE FRONT AXLE OUTER SHAFT SUB-ASSEMBLY

43405

**a.** Secure the front axle inner shaft LH in a vise using aluminum plates.

b.



Place a brass bar against the joint inner race and remove the front axle outer shaft assembly. **HINT:** 

When removing the outer shaft, the snap ring will be broken.

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