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Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AXLE AND DIFFERENTIAL: STEERING KNUCKLE: INSTALLATION; 2016 - 2018 MY LX570 [09/2015 -]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

PROCEDURE

1. INSTALL STEERING KNUCKLE OIL SEAL LH

- (a) Using SST and a press, press in a new oil seal.

SST: 09950-60020

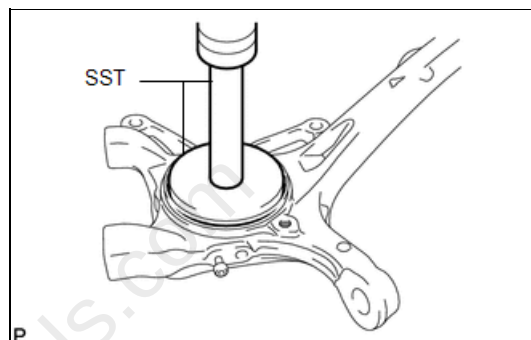
09951-01030

SST: 09950-70010

09951-07100

NOTICE:

- The oil seal is a non-reusable part.
- Do not damage the steering knuckle oil seal.



2. INSTALL STEERING KNUCKLE LH

- (a) Install the steering knuckle to the front suspension upper arm with a new nut.

Torque:

110 N·m {1122 kgf·cm, 81 ft·lbf}

- (b) Install a new clip.

HINT:

If the holes for the clip are not aligned, tighten the nut up to another 60°.

3. CONNECT FRONT LOWER BALL JOINT ATTACHMENT LH

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4. CONNECT TIE ROD END SUB-ASSEMBLY LH

- (a) Connect the tie rod end LH to the steering knuckle with a new nut.

Torque:

69 N·m {704 kgf·cm, 51 ft·lbf}

- (b) Install a new cotter pin.

HINT:

If the holes for the cotter pin are not aligned, tighten the nut up to another 60°.

5. INSTALL FRONT AXLE HUB SUB-ASSEMBLY LH

- (a) Install the front axle hub (See page [INFO](#)).

6. CONNECT FRONT SPEED SENSOR LH

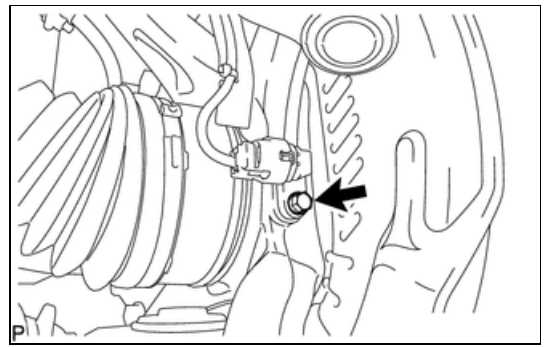
- (a) Install the speed sensor with the bolt.

Torque:

8.3 N·m {85 kgf·cm, 73 in·lbf}

NOTICE:

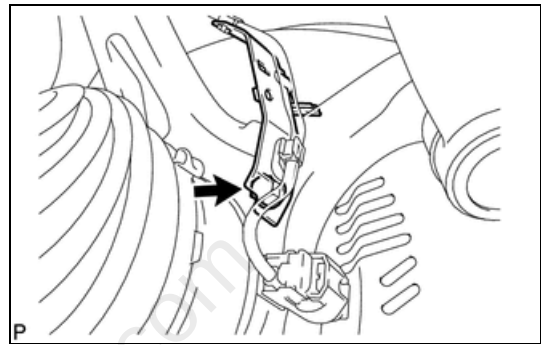
- Make sure there are no pieces of iron or other foreign matter attached to the sensor tip.
- While inserting the speed sensor into the knuckle hole, do not strike or damage the sensor tip.
- After installing the speed sensor, make sure there is no clearance or foreign matter between the sensor stay part and the knuckle.
- Make sure there is no foreign matter attached to the magnetic rotor.



(b) Install the skid control sensor clamp and sensor wire with the bolt.

Torque:

13 N·m {132 kgf·cm, 10 ft·lbf}



7. INSTALL FRONT WHEEL

Torque:

131 N·m {1336 kgf·cm, 97 ft·lbf}

8. CHECK SPEED SENSOR SIGNAL

(a) Check the speed sensor signal (See page [INFO](#) [INFO](#)).

9. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

(a) Inspect and adjust the front wheel alignment (See page [INFO](#) [INFO](#)).

10. ADJUST HEADLIGHT ASSEMBLY

(a) Adjust the headlight assembly (See page [INFO](#)).