

Last Modified: 12-21-2017	6.8:8.0.48	Doc ID: RM100000000T31P
Model Year Start: 2016	Model: LX570	Prod Date Range: [09/2015 -]
Title: AXLE AND DIFFERENTIAL: FRONT AXLE HUB: 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 FRONT AXLE HUB SUB-ASSEMBLY LH

- Apply MP grease to a new O-ring.
- Install the O-ring to the axle hub.

NOTICE:

Do not damage the O-ring.

- Connect the front drive shaft to the front axle hub.

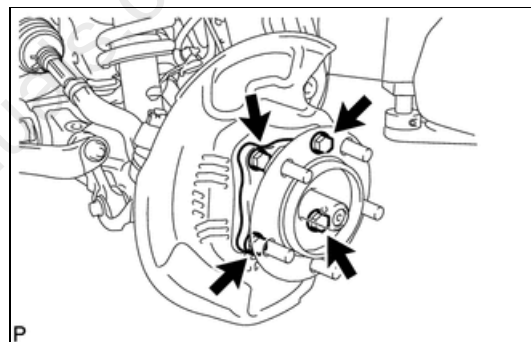
NOTICE:

Be careful not to damage the front drive shaft boot.

- Install the dust cover and axle hub to the steering knuckle with the 4 bolts.

Torque:

99 N·m {1010 kgf·cm, 73 ft·lbf}



2. INSTALL FRONT DISC

INFO

3. CONNECT FRONT DISC BRAKE CALIPER ASSEMBLY LH

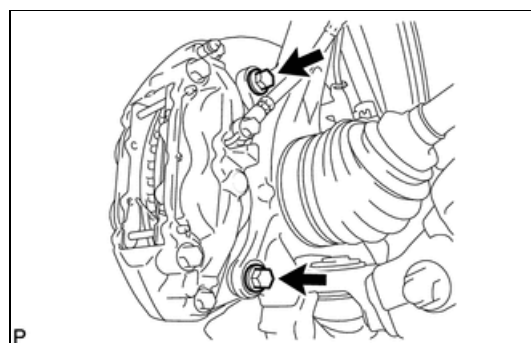
- Connect the front disc brake caliper and install 2 new bolts.

Torque:

180 N·m {1835 kgf·cm, 133 ft·lbf}

NOTICE:

- Do not twist the flexible hose.
- Make sure that the bolts are free from damage and foreign matter.
- Do not overtighten the bolts.



4. INSTALL FRONT AXLE SHAFT NUT LH

- Clean the threaded parts on the drive shaft and axle shaft nut using a non-residue solvent.

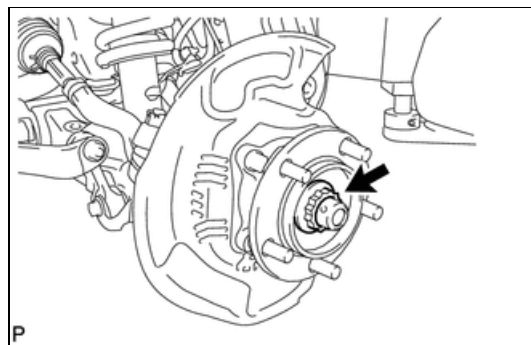
NOTICE:

- Be sure to perform this work for a new drive shaft.
- Keep the threaded parts free of oil and foreign objects.

(b) Using a 39 mm socket wrench, install the axle shaft nut.

Torque:

200 N·m {2039 kgf·cm, 148 ft·lbf}

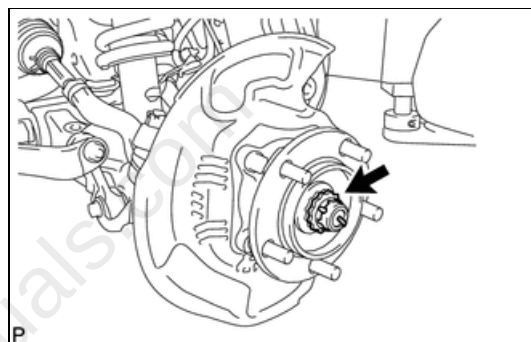


(c) Using a 39 mm socket wrench, loosen the axle shaft nut.

(d) Using a 39 mm socket wrench, retighten the axle shaft nut.

Torque:

340 N·m {3467 kgf·cm, 251 ft·lbf}



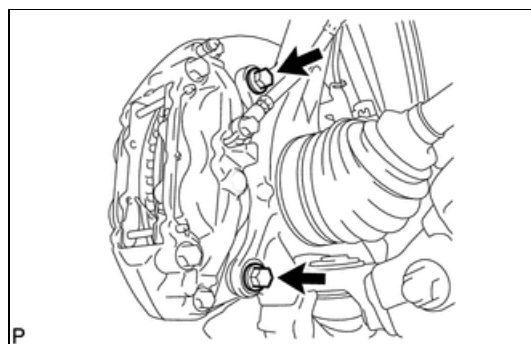
(e) Install the front wheel adjusting lock cap and a new cotter pin.

5. DISCONNECT FRONT DISC BRAKE CALIPER ASSEMBLY LH

(a) Remove the 2 bolts and disconnect the disc brake caliper from the steering knuckle.

NOTICE:

- Do not disconnect the flexible hose from the disc brake caliper.
- Do not twist or bend the flexible hose.



6. REMOVE FRONT DISC

INFO

7. INSPECT FRONT AXLE HUB

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

8. INSTALL FRONT AXLE HUB GREASE CAP LH

(a) Install the axle hub grease cap.

NOTICE:

Make sure to securely fit the grease cap to the axle hub.

9. INSTALL FRONT DISC

INFO

10. CONNECT FRONT DISC BRAKE CALIPER ASSEMBLY LH

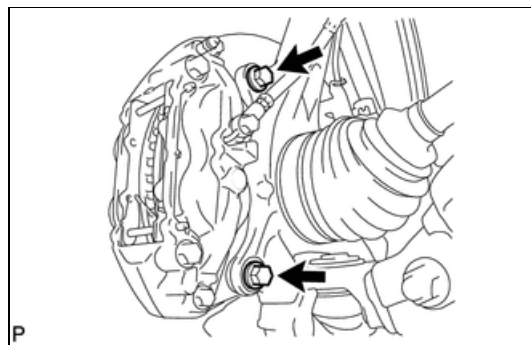
(a) Connect the front disc brake caliper and install 2 new bolts.

Torque:

180 N·m {1835 kgf·cm, 133 ft·lbf}

NOTICE:

- Do not twist the flexible hose.
- Make sure that the bolts are free from damage and foreign matter.
- Do not overtighten the bolts.



(b) Connect the brake tube bracket to the steering knuckle with the bolt and nut.

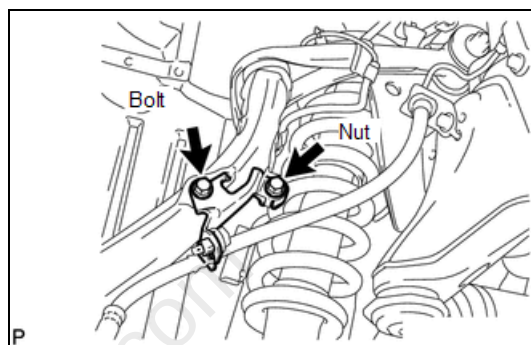
Torque:

for bolt :

31 N·m {316 kgf·cm, 23 ft·lbf}

for nut :

13 N·m {132 kgf·cm, 10 ft·lbf}



11. INSTALL FRONT WHEEL

Torque:

131 N·m {1336 kgf·cm, 97 ft·lbf}

12. CHECK SPEED SENSOR SIGNAL

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