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Model Year Start: 2016	Model: IS350	Prod Date Range: [08/2015 - 09/2020]
Title: DRIVE SHAFT / PROPELLER SHAFT: FRONT DRIVE SHAFT ASSEMBLY (for AWD): INSTALLATION; 2016 - 2020 MY IS300 IS350 [08/2015 - 09/2020]		

INSTALLATION

CAUTION / NOTICE / HINT

HINT:

- Use the same procedure for the RH side and LH side.
- The procedure listed below is for the LH side.

PROCEDURE

1. INSTALL FRONT DRIVE SHAFT HOLE SNAP RING LH

- (a) Install a new front drive shaft hole snap ring LH.

NOTICE:

Face the end gap of the front drive shaft hole snap ring LH downward.

2. INSTALL FRONT DRIVE SHAFT ASSEMBLY LH

- (a) Coat the splines of the front drive inboard joint assembly with hypoid gear oil SX.

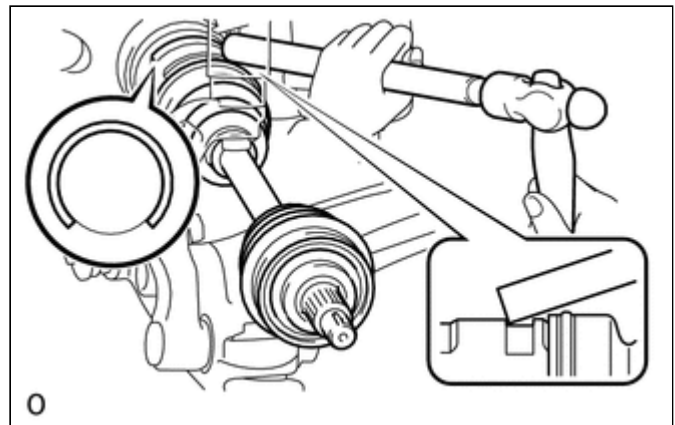
- (b) Align the inboard joint splines, and using a brass bar and a hammer, install the front drive shaft assembly LH.

NOTICE:

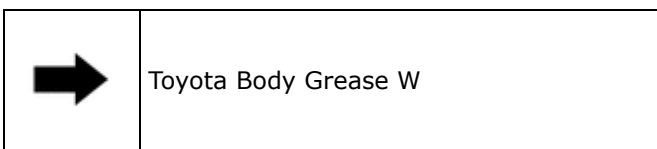
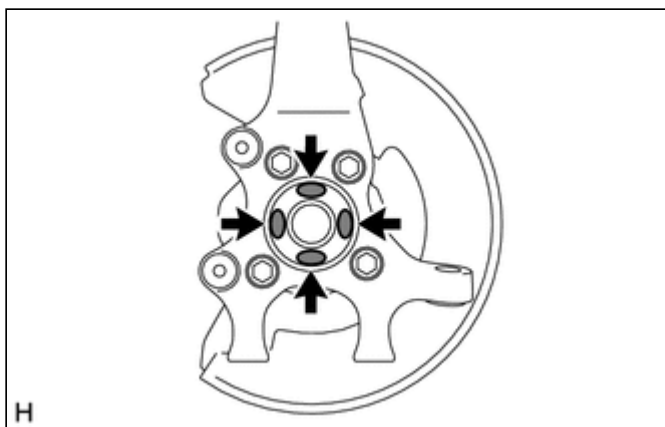
- Face the end gap of the front drive shaft hole snap ring LH downward.
- Do not damage the front differential case oil seal.
- Do not damage the front axle inboard joint boot.
- Make sure to center the front drive shaft assembly LH during installation to prevent damage to the front drive shaft hole snap ring LH.
- Install the front drive shaft assembly LH while keeping it level.

HINT:

Confirm whether the drive shaft is securely driven in by checking the reaction force and sound.



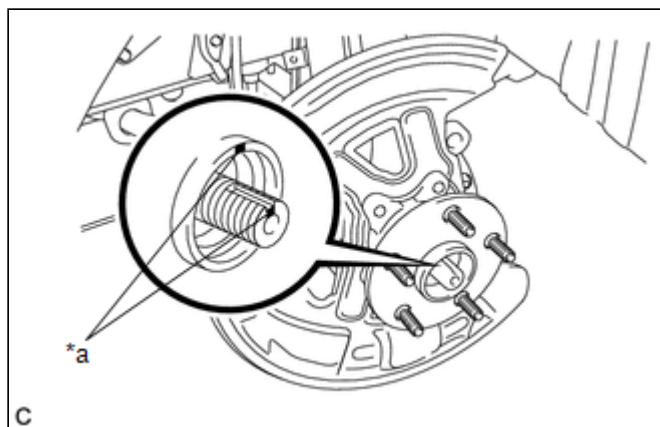
- (c) Apply 0.1 to 0.3 g (0.00353 to 0.0105 oz) of Toyota Body Grease W to each of the 4 areas shown in the illustration.



(d) Align the matchmarks and install the front drive shaft assembly LH to the front axle hub sub-assembly.

NOTICE:

Be careful not to damage the front axle outboard joint boot.



*a	Matchmark
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3. INSTALL FRONT DRIVE SHAFT ASSEMBLY RH

(a) Align the inboard joint splines, and using a brass bar and a hammer, install the front drive shaft assembly RH.

NOTICE:

- Do not damage the front differential case oil seal.
- Do not damage the front axle inboard joint boot.
- Install the front drive shaft assembly RH while keeping it level.

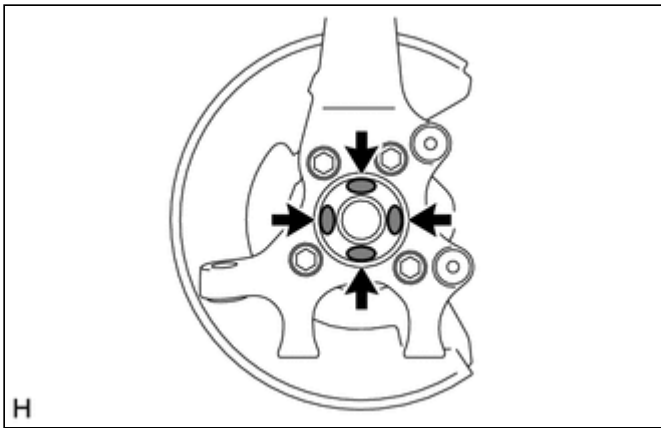
(b) Using water pump pliers, install a new drive shaft bearing bracket hole snap ring.

(c) Install a new No. 1 drive shaft bearing bracket setting bolt.

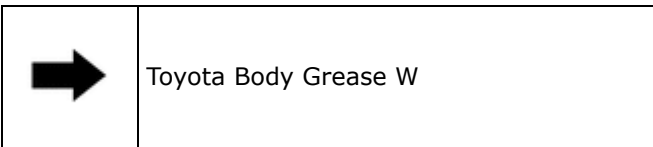
Torque:

32 N·m {326 kgf·cm, 24 ft·lbf}

(d) Apply 0.1 to 0.3 g (0.00353 to 0.0105 oz) of Toyota Body Grease W to each of the 4 areas shown in the illustration.



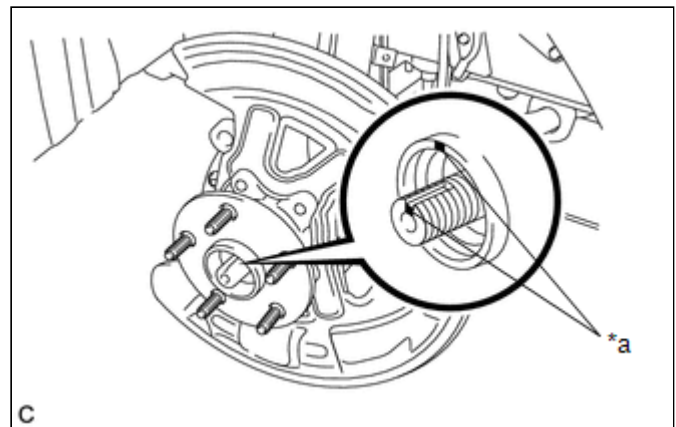
H



(e) Align the matchmarks and install the front drive shaft assembly RH to the front axle hub sub-assembly.

NOTICE:

Be careful not to damage the front axle outboard joint boot.



C

*a	Matchmark
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4. INSTALL FRONT LOWER BALL JOINT ASSEMBLY

Click here [INFO](#)

5. INSTALL FRONT DISC

Click here [INFO](#)

6. INSTALL FRONT DISC BRAKE CALIPER ASSEMBLY

Click here [INFO](#)

7. INSTALL FRONT SPEED SENSOR

Click here [INFO](#)

8. INSTALL FRONT AXLE SHAFT NUT

(a) Clean the threaded parts on the front drive shaft assembly LH and a new front axle shaft nut using non-residue solvent.

NOTICE:

- Be sure to perform this work even when using a new front drive shaft assembly LH.
- Keep the threaded parts free of oil and foreign matter.

(b) Using a 30 mm socket wrench, while applying the brakes, temporarily install the front axle shaft nut.

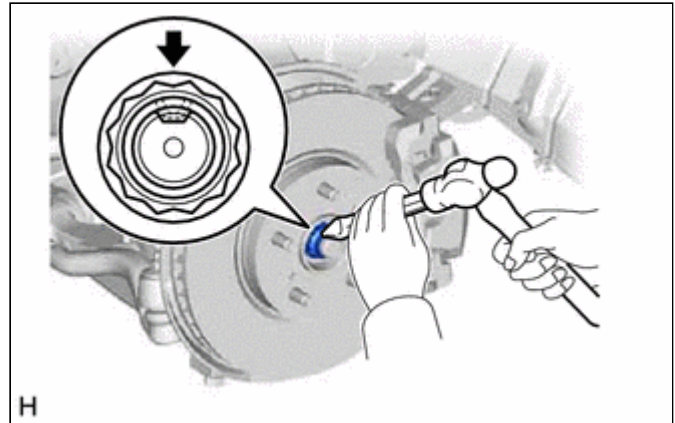
Torque:

294 N·m {2998 kgf·cm, 217 ft·lbf}

HINT:

Keep depressing the brake pedal to prevent the front drive shaft assembly LH from rotating.

(c) Using a chisel and hammer, stake the front axle shaft nut.



9. ADD DIFFERENTIAL OIL

Click here [INFO](#)

10. INSTALL FRONT WHEEL

Torque:

103 N·m {1050 kgf·cm, 76 ft·lbf}

11. ADJUST FRONT WHEEL ALIGNMENT

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12. CHECK FOR SPEED SENSOR SIGNAL

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