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Model Year Start: 2014	Model: IS250	Prod Date Range: [04/2013 - 09/2020]
Title: DRIVE SHAFT / PROPELLER SHAFT: FRONT DRIVE SHAFT ASSEMBLY (for AWD): REASSEMBLY; 2014 - 2020 MY IS250 IS300 IS350 [04/2013 - 09/2020]		

REASSEMBLY

CAUTION / NOTICE / HINT

NOTICE:

- When using a vise, place aluminum plates between the part and vise.
- When using a vise, do not overtighten it.

PROCEDURE

1. INSTALL FRONT NO. 1 WHEEL BEARING DUST DEFLECTOR

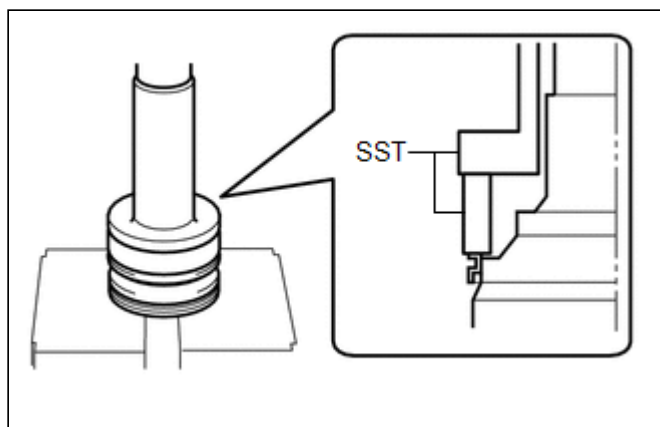
- (a) Using SST and a press, install a new front No. 1 wheel bearing dust deflector.

SST: 09309-36010

SST: 09387-02010

NOTICE:

- The front No. 1 wheel bearing dust deflector should be completely installed.
- Be careful not to damage the front No. 1 wheel bearing dust deflector.



2. INSTALL FRONT DRIVE SHAFT BEARING (for RH Side)

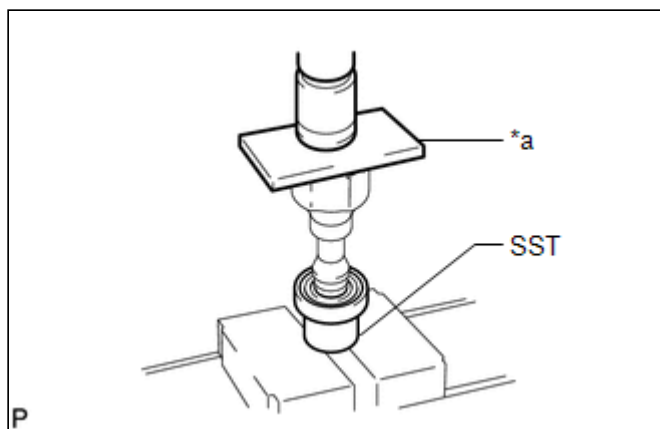
- (a) Using SST and a steel plate, install a new front drive shaft bearing.

SST: 09710-30021

09710-03141

NOTICE:

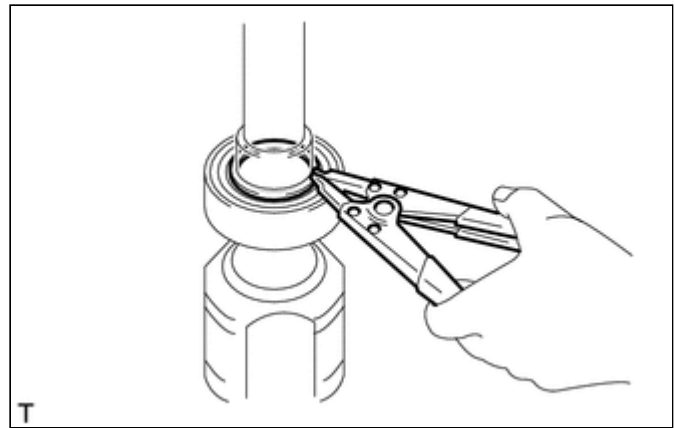
The front drive shaft bearing should be completely installed.



*a	Steel Plate
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- (b) Using a snap ring expander, install a new front

drive shaft hole snap ring RH.

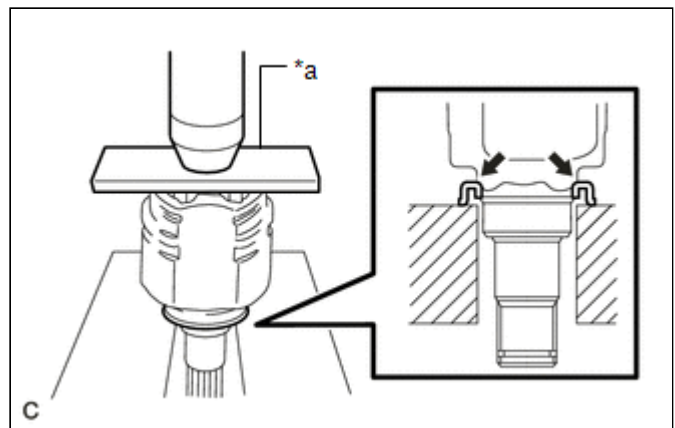


3. INSTALL FRONT DRIVE SHAFT DUST COVER LH

(a) Using a steel plate and a press, install a new front drive shaft dust cover LH.

NOTICE:

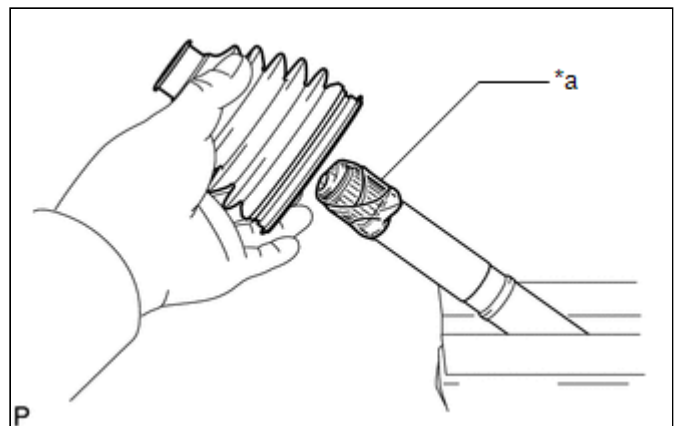
- The front drive shaft dust cover LH should be completely installed.
- Be careful not to damage the front drive shaft dust cover LH.



*a	Steel Plate
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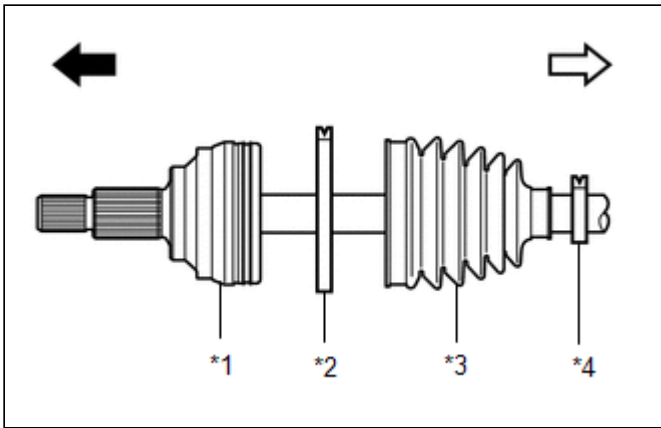
4. INSTALL FRONT AXLE OUTBOARD JOINT BOOT

(a) Wrap the splines of the front drive outboard joint shaft assembly with protective tape to prevent the boot from being damaged.



*a	Protective Tape
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(b) Install new parts onto the front drive outboard joint shaft assembly in the following order:



*1	Front Drive Outboard Joint Shaft Assembly
*2	Front No. 2 Axle Outboard Joint Boot Clamp
*3	Front Axle Outboard Joint Boot
*4	Front Axle Outboard Joint Boot Clamp
	Outboard joint side
	Inboard joint side

- (1) Front No. 2 axle outboard joint boot clamp
- (2) Front axle outboard joint boot
- (3) Front axle outboard joint boot clamp

(c) Pack the joint portion of the front drive outboard joint shaft assembly and front axle outboard joint boot with grease.

Standard Grease Capacity:
105 to 125 g (3.71 to 4.40 oz)

(d) Install the front axle outboard joint boot into the front drive outboard joint shaft assembly groove.

NOTICE:

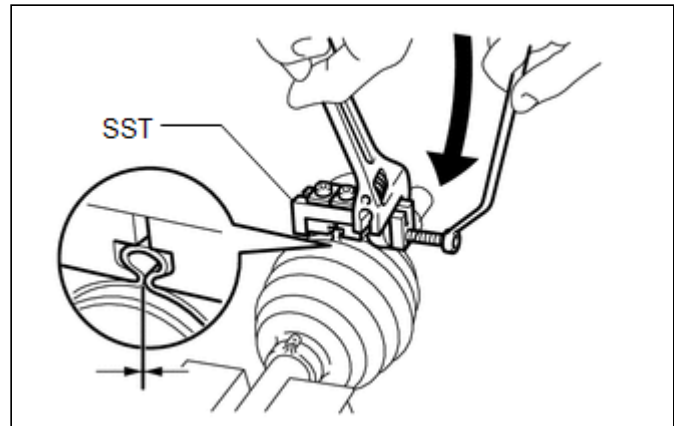
- Do not allow grease to adhere to the boot clamp track of the outboard joint boot.
- Keep the inside of the outboard joint boot free of foreign matter.

5. INSTALL FRONT NO. 2 AXLE OUTBOARD JOINT BOOT CLAMP

(a) Install the front No. 2 axle outboard joint boot clamp to the front axle outboard joint boot.

(b) Place SST onto the front No. 2 axle outboard joint boot clamp, press it against the boot and slightly tighten SST.

SST: 09521-24010



(c) Tighten SST so that the front No. 2 axle outboard joint boot clamp is pinched.

NOTICE:

Do not overtighten SST.

(d) Remove SST.

(e) Using SST, measure the clearance of the front No. 2 axle outboard joint boot clamp.

SST: 09240-00020

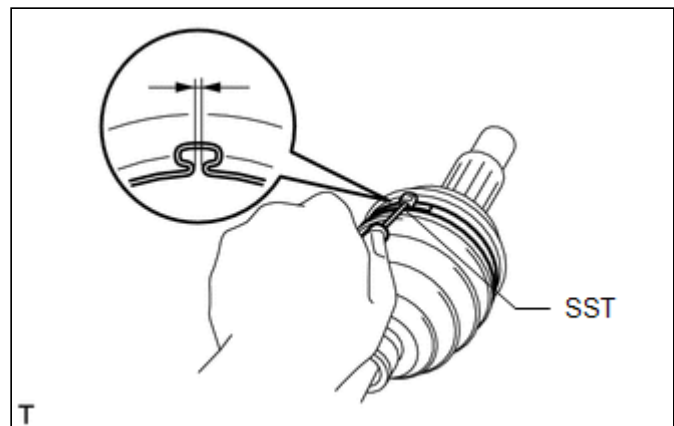
09242-00120

09242-00300

Clearance:

1.2 to 4.0 mm (0.0473 to 0.1574 in.)

If the clearance is outside the specified range, retighten SST.

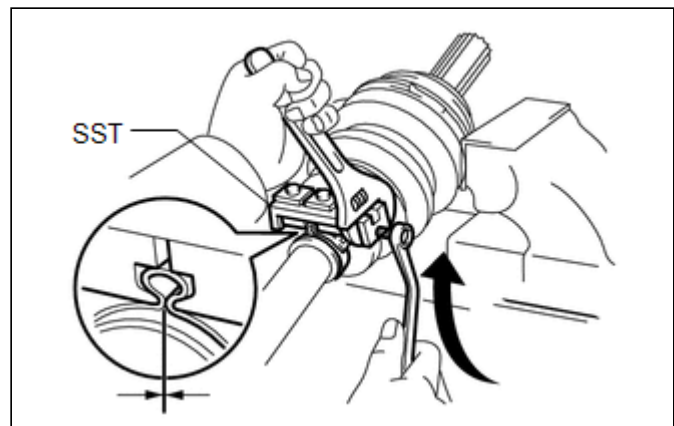


6. INSTALL FRONT AXLE OUTBOARD JOINT BOOT CLAMP

(a) Install the front axle outboard joint boot clamp to the front axle outboard joint boot.

(b) Place SST onto the front axle outboard joint boot clamp, press it against the boot and slightly tighten SST.

SST: 09521-24010



(c) Tighten SST so that the front axle outboard joint boot clamp is pinched.

NOTICE:

Do not overtighten SST.

(d) Remove SST.

(e) Using SST, measure the clearance of the front axle outboard joint boot clamp.

SST: 09240-00020

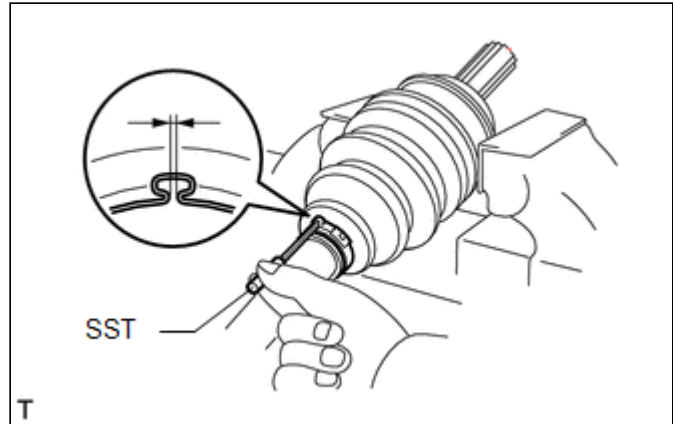
09242-00120

09242-00300

Clearance:

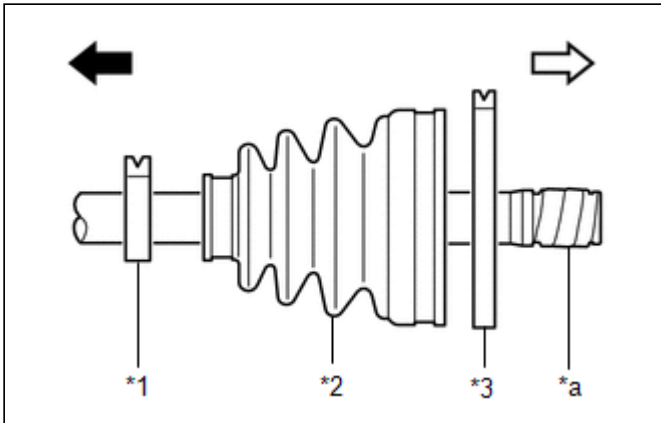
1.2 to 4.0 mm (0.0473 to 0.1574 in.)

If the clearance is outside the specified range, retighten SST.



7. INSTALL FRONT DRIVE INBOARD JOINT ASSEMBLY

(a) Install new parts onto the front drive outboard joint shaft assembly in the following order:



*1	Front Axle Inboard Joint Boot Clamp
*2	Front Axle Inboard Joint Boot
*3	Front No. 2 Axle Inboard Joint Boot Clamp
*a	Protective Tape
	Outboard joint side
	Inboard joint side

(1) Front axle inboard joint boot clamp

(2) Front axle inboard joint boot

(3) Front No. 2 axle inboard joint boot clamp

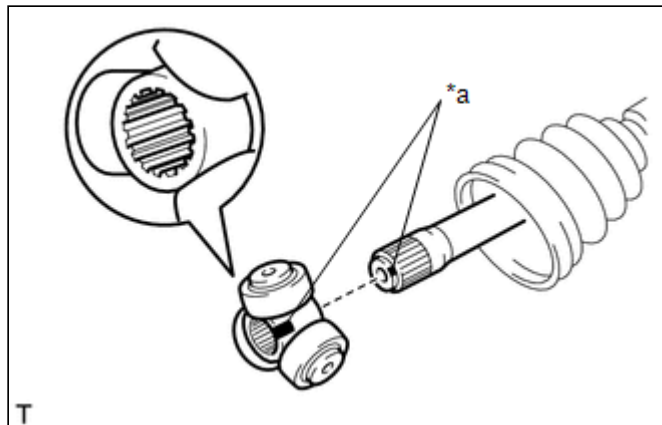
(b) Hold the drive shaft in a vise between aluminum plates.

NOTICE:

Do not overtighten the vise.

(c) Remove the protective tape.

(d) Align the matchmarks and place the beveled side of the tripod joint axial spline toward the front drive outboard joint shaft assembly.

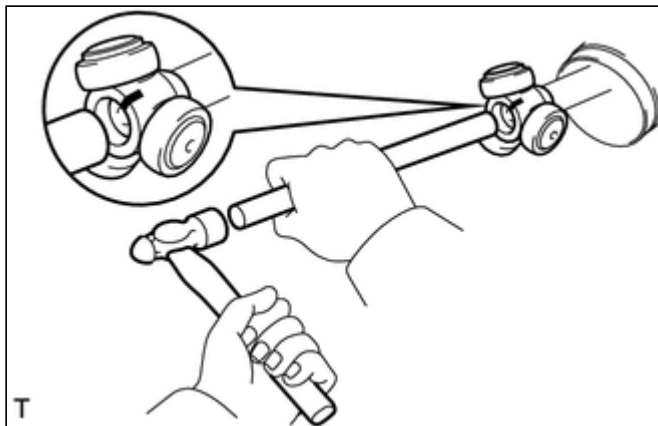


*a	Matchmark
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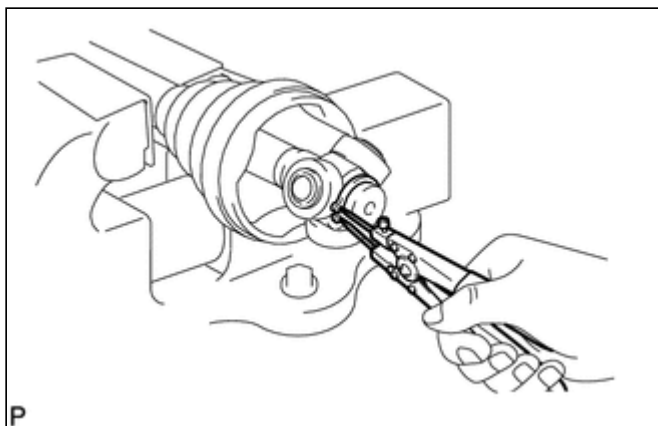
(e) Using a brass bar and a hammer, install the tripod joint to the front drive outboard joint shaft assembly.

NOTICE:

- Do not tap the rollers.
- Keep the tripod joint free of foreign matter.



(f) Using a snap ring expander, install a new front drive inner shaft inner shaft snap ring to the front drive outboard joint shaft assembly.

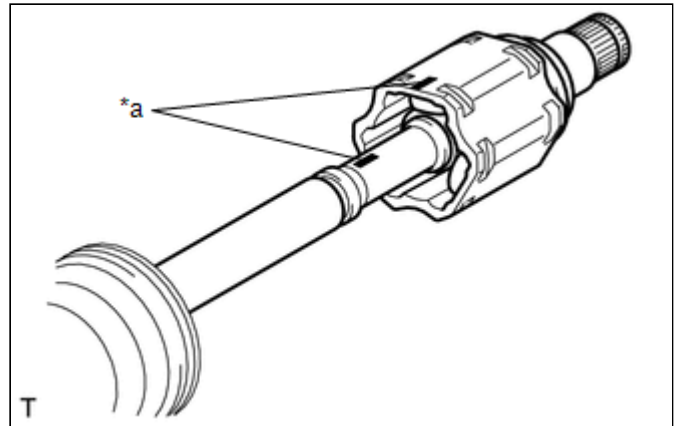


(g) Pack the front drive inboard joint assembly and front axle inboard boot with grease.

Standard Grease Capacity:

150 to 170 g (5.30 to 5.99 oz)

(h) Align the matchmarks and install the front drive inboard joint assembly to the front drive outboard joint shaft assembly.



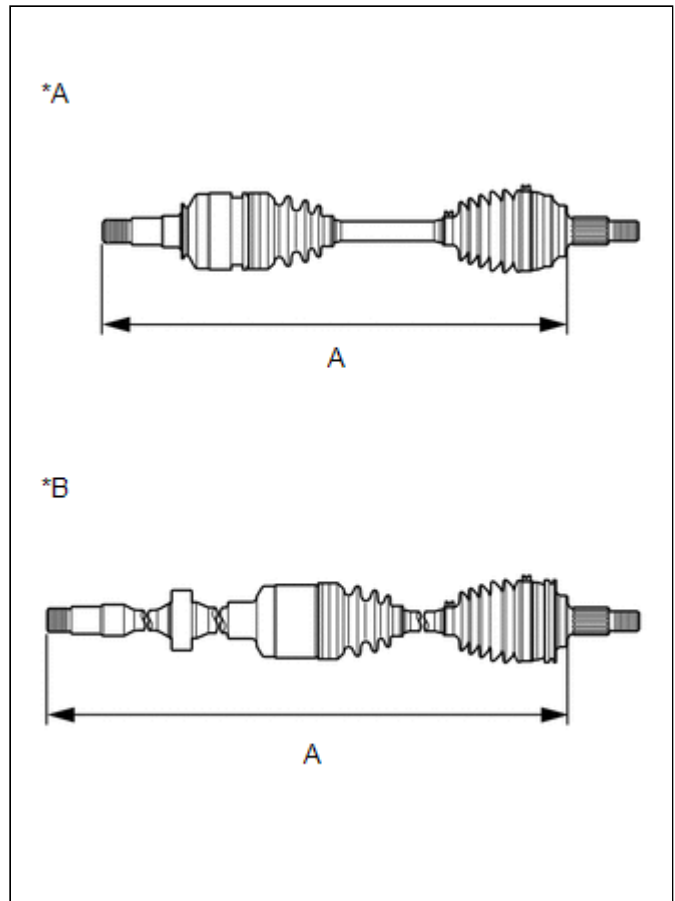
*a	Matchmark
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8. INSTALL FRONT AXLE INBOARD JOINT BOOT

(a) Check whether each drive shaft dimension (A) is within specification.

Dimension (A):

LH SIDE	RH SIDE
547 mm (1.79 ft.)	926.9 mm (3.04 ft.)



*A	LH Side
*B	RH Side

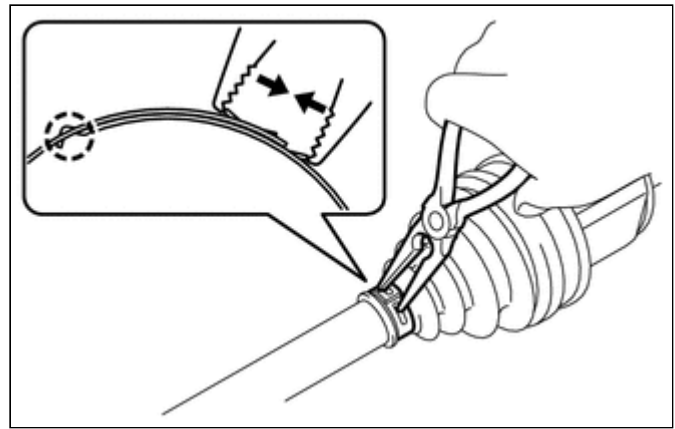
(b) Install the front axle inboard joint boot to the front drive inboard joint assembly.

9. INSTALL FRONT AXLE INBOARD JOINT BOOT CLAMP

(a) Using needle nose pliers, engage the claw to install the front axle inboard joint boot clamp.

NOTICE:

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



10. INSTALL FRONT NO. 2 AXLE INBOARD JOINT BOOT CLAMP

HINT:

Perform the same procedure as for the front axle inboard joint boot clamp.

11. INSPECT FRONT DRIVE SHAFT ASSEMBLY

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