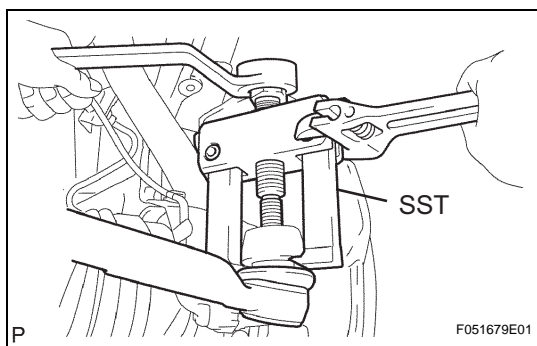
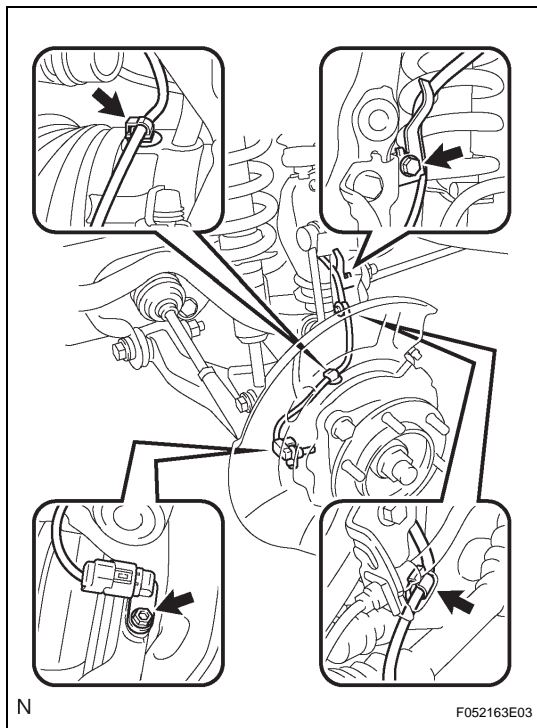


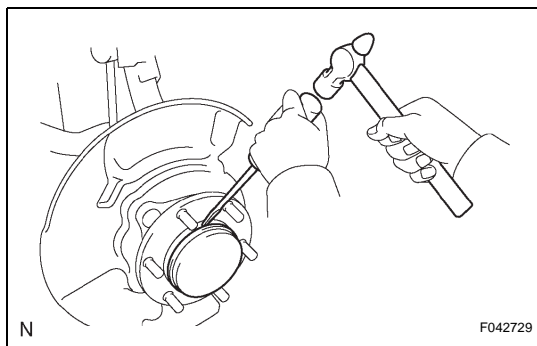
REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE FRONT WHEEL**
3. **DRAIN DIFFERENTIAL OIL**
4. **SEPARATE FRONT SPEED SENSOR**
 - (a) Remove the bolt and separate the front speed sensor.
 - (b) Disengage the 2 clamps.
 - (c) Remove the bolt and separate the speed sensor wire harness from the steering knuckle.
5. **SEPARATE TIE ROD END SUB-ASSEMBLY**
 - (a) Remove the cotter pin and nut.



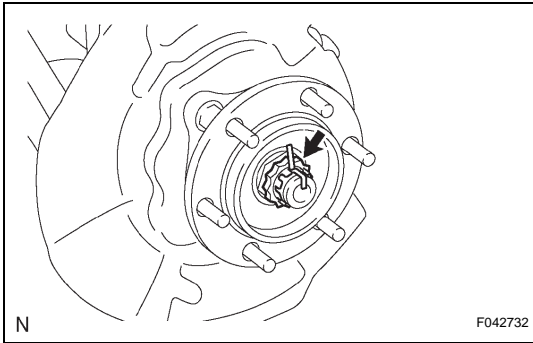
- (b) Using SST, separate the tie rod end from the steering knuckle.

SST 09628-62011

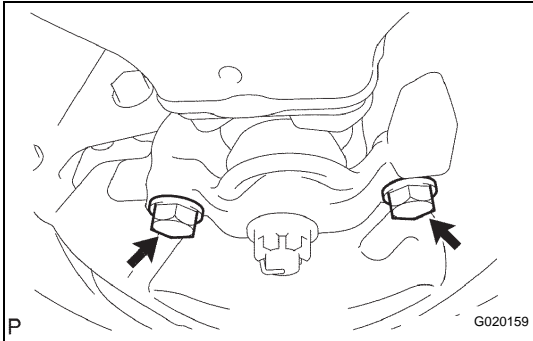


6. REMOVE FRONT AXLE HUB NUT

- (a) Using a screwdriver and a hammer, remove the front axle hub grease cap.

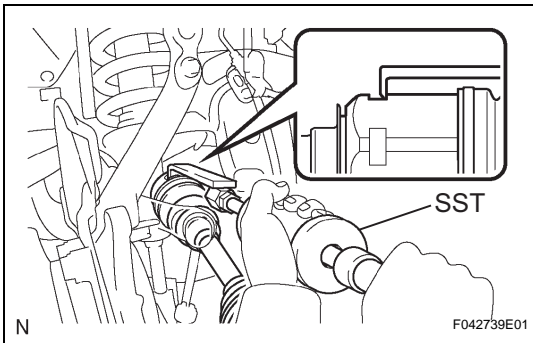


- (b) Remove the cotter pin and adjusting cap.
- (c) Remove the front axle hub nut.



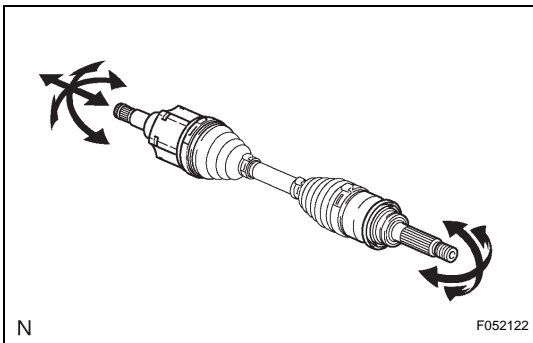
7. SEPARATE FRONT SUSPENSION LOWER ARM

- (a) Remove the 2 bolts and separate the front lower ball joint attachment front from the steering knuckle.



8. REMOVE FRONT DRIVE SHAFT

- (a) Using SST, remove the front drive shaft.
SST 09520-01010, 09520-24010 (09520-32040)
NOTICE:
Be careful not to damage the oil seal.



DISASSEMBLY

1. INSPECT FRONT DRIVE SHAFT

- (a) Check whether there is no remarkable play in the outboard joint.
- (b) Check whether the inboard joint slides smoothly in the thrust direction.
- (c) Check whether there is no remarkable play in the radial direction of the inboard joint.
- (d) Check the boots for damage.

NOTICE:

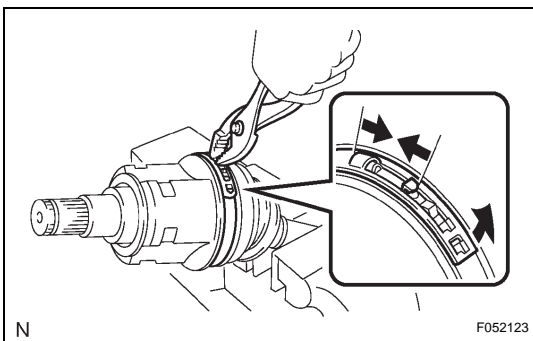
Move the drive shaft while keeping it level.

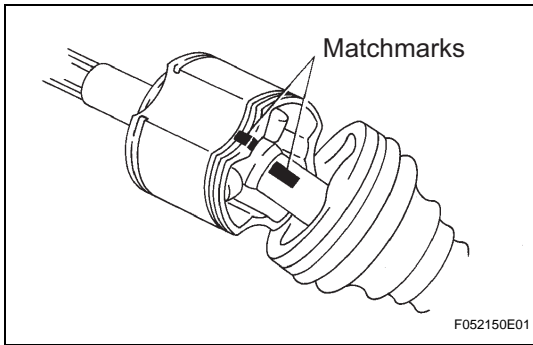
2. REMOVE FRONT AXLE INBOARD JOINT BOOT CLAMP

- (a) Using pliers, disengage the hooks together and remove the large clamp.
- (b) Using a side cutter, cut the small boot clamp.

3. SEPARATE INBOARD JOINT BOOT

- (a) Slide the inboard joint boot toward the outboard joint.





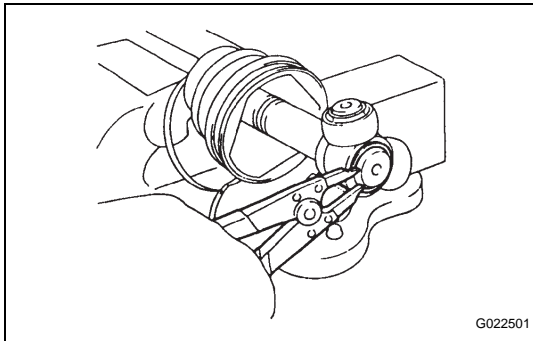
4. REMOVE FRONT DRIVE INBOARD JOINT ASSEMBLY

- (a) Place matchmarks on the inboard joint and outboard joint shaft.

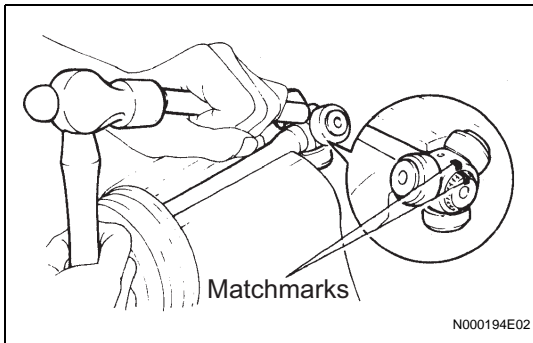
NOTICE:

Do not punch the marks.

- (b) Remove the inboard joint from the outboard joint shaft.



- (c) Using a snap ring expander, remove the snap ring.



- (d) Place matchmarks on the outboard joint shaft and tripod.

NOTICE:

Do not punch the marks.

- (e) Using a brass bar and hammer, remove the tripod from the outboard joint shaft.

NOTICE:

Do not tap the roller.

- (f) Remove the inboard joint boot from the outboard joint shaft.

5. REMOVE FRONT AXLE OUTBOARD JOINT BOOT CLAMP

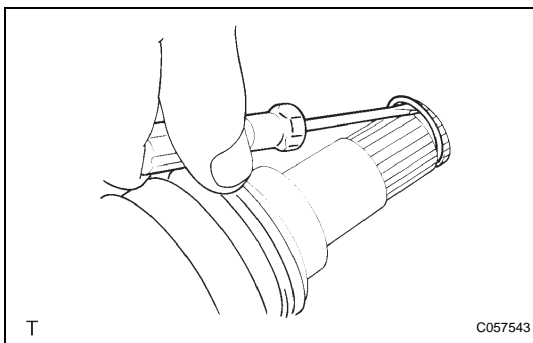
- (a) Using a side cutter, cut the boot clamps.

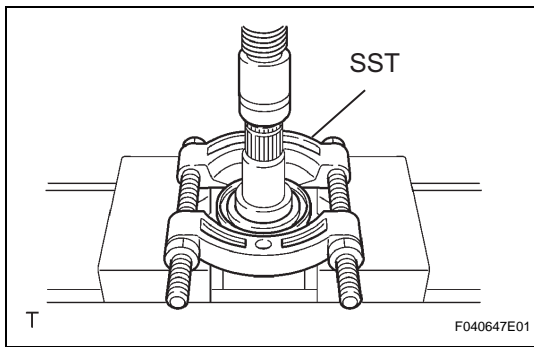
6. REMOVE OUTBOARD JOINT BOOT

- (a) Remove the outboard joint boot from the outboard joint shaft.

7. REMOVE FRONT DRIVE INNER SHAFT OUTER SHAFT SNAP RING

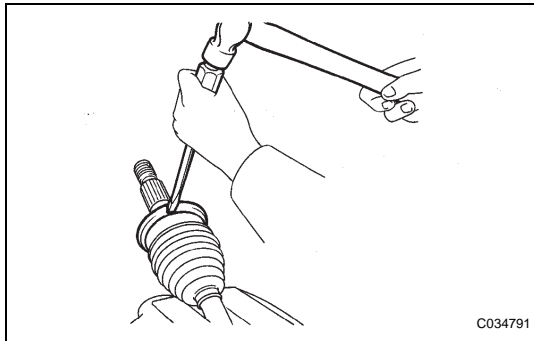
- (a) Using a screwdriver, remove the snap ring.





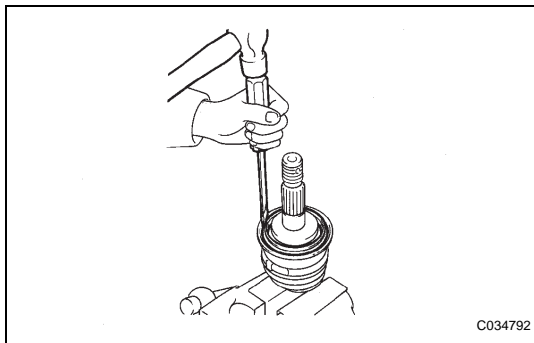
8. REMOVE FRONT DRIVE SHAFT DUST COVER

- (a) Using SST and a press, remove the dust cover.
SST 09950-00020



9. REMOVE FRONT AXLE HUB OIL SEAL

- (a) Using a screwdriver and a hammer, remove the oil seal.



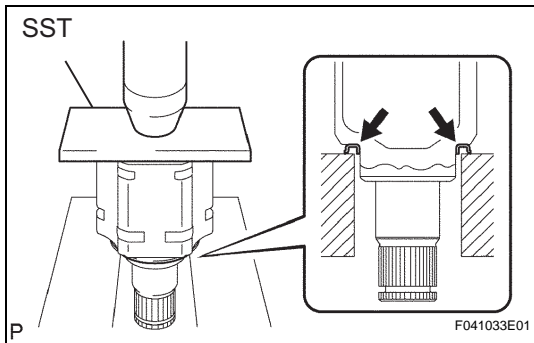
REASSEMBLY

1. INSTALL FRONT AXLE HUB OIL SEAL

- (a) Using a screwdriver and a hammer, install a new oil seal.

NOTICE:

Do not damage the oil seal.

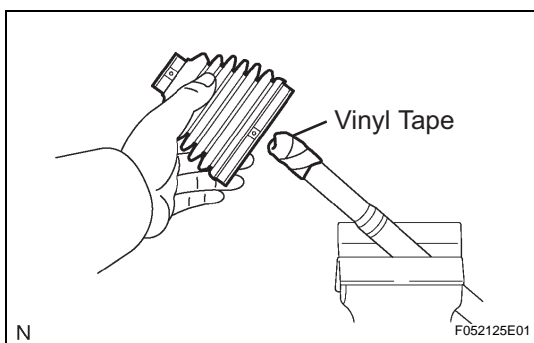


2. INSTALL FRONT DRIVE SHAFT DUST COVER

- (a) Using SST and a press, install a new dust cover.
SST 09527-10011

3. INSTALL FRONT DRIVE INNER SHAFT OUTER SHAFT SNAP RING

- (a) Install a new snap ring.



4. INSTALL OUTBOARD JOINT BOOT

HINT:

- Before installing the boots, wrap the spline of the outboard joint with vinyl tape to prevent the boots from being damaged.
 - Before installing the boot, place 2 new boot clamps on the small boot end and large boot ends.
- (a) Provisionally install a new outboard joint boot with 2 new clamps onto the outboard joint shaft.

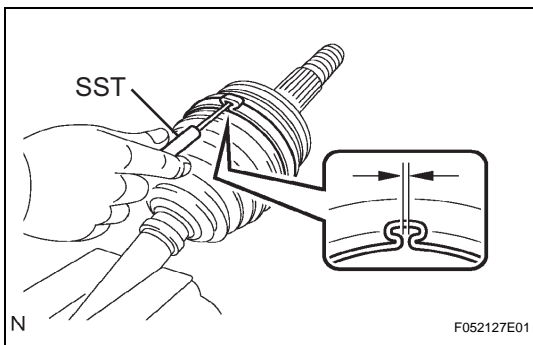
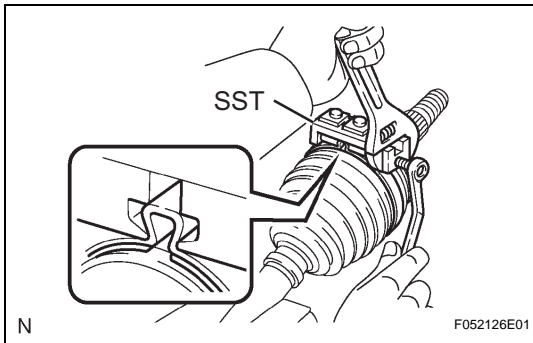
- (b) Fill the outboard joint and boot with grease in the boot kit.
Grease capacity:
260 to 280 g (9.2 to 9.9 oz.)
- (c) Provisionally install the boot onto the outboard joint.

5. INSTALL FRONT AXLE OUTBOARD JOINT BOOT CLAMP

- (a) Install the boot clamps onto the boot.
- (b) Place SST onto the large boot clamp.
SST 09521-24010
- (c) Tighten the SST so that the large boot clamp is pinched.

NOTICE:

Do not overtighten the SST.



- (d) Using SST, adjust the clearance of the large boot clamp.
SST 09240-00020
Clearance:
1.0 to 5.0 mm (0.039 to 0.197 in.)
- (e) Use the same procedure for the small boot clamp.

6. INSTALL INBOARD JOINT BOOT

HINT:

Before installing the boot, place a new boot clamp on the small boot end.

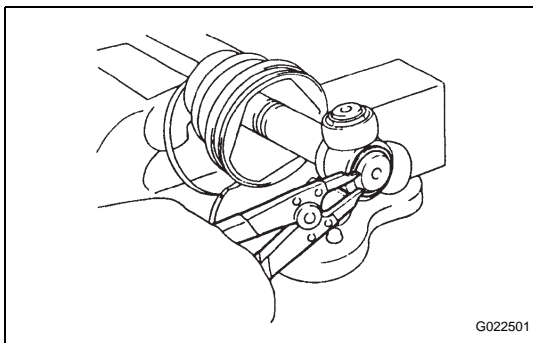
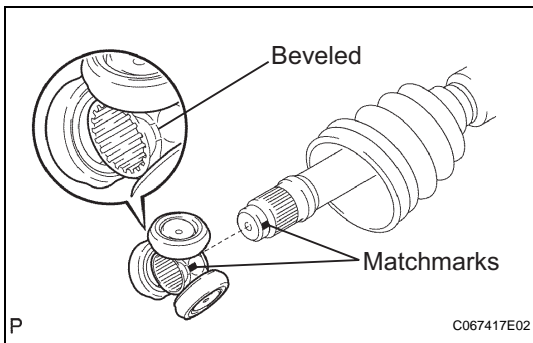
- (a) Provisionally install a new inboard joint boot with a new clamp onto the outboard joint shaft.

7. INSTALL FRONT DRIVE INBOARD JOINT ASSEMBLY

- (a) Place the beveled side of the tripod toward the inboard joint.
- (b) Align the matchmarks and install the tripod into the inboard joint.
- (c) Using a brass bar and hammer, tap the tripod into the outboard joint shaft.

NOTICE:

Do not tap the roller.



- (d) Using a snap ring expander, install a new snap ring.
- (e) Pack the inboard joint and boot with grease from the boot kit.

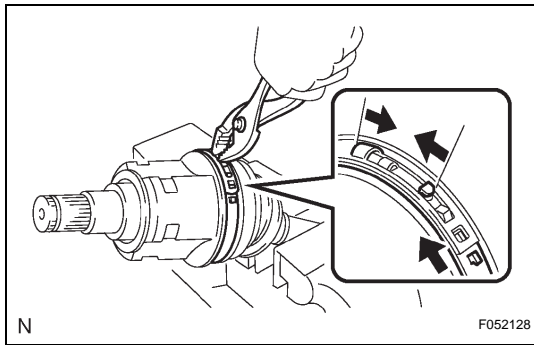
Grease capacity:

182 to 202 g (6.4 to 7.1 oz.)

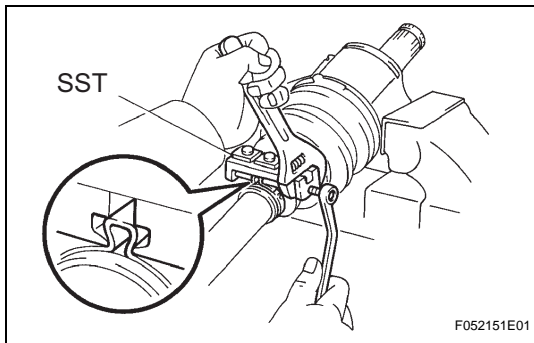
- (f) Align the matchmarks placed before removal and install the inboard joint onto the outboard joint shaft.
- (g) Provisionally install the boot onto the inboard joint.

8. INSTALL FRONT AXLE INBOARD JOINT BOOT CLAMP

- (a) Place the large boot clamp.



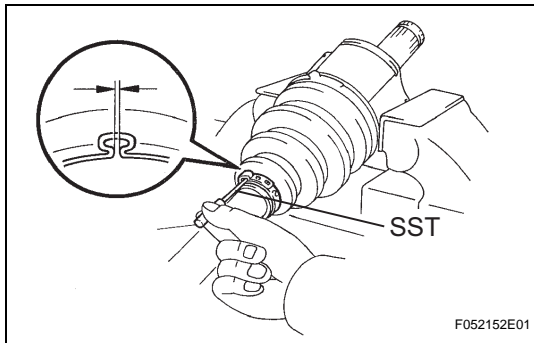
- (b) Using pliers, compress the large clamp and attach the claws.



- (c) Secure the boot clamp onto the boot.
 (d) Place SST onto the small boot clamp.
SST 09521-24010
 (e) Tighten the SST so that the small boot clamp is pinched.

NOTICE:

Do not overtighten the SST.

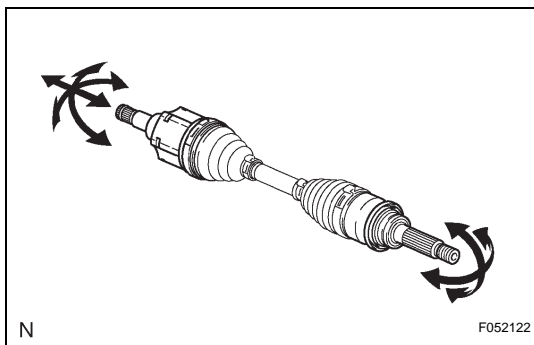


- (f) Using SST, adjust the clearance of the small boot clamp.

SST 09240-00020

Clearance:

1.0 to 4.0 mm (0.039 to 0.157 in.)

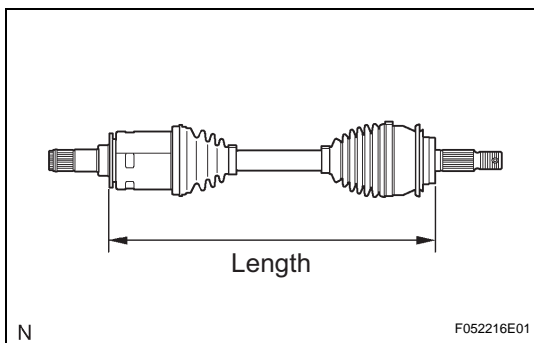


9. INSPECT FRONT DRIVE SHAFT

- (a) Check whether there is no remarkable play in the outboard joint.
 (b) Check whether the inboard joint slides smoothly in the thrust direction.
 (c) Check whether there is no remarkable play in the radial direction of the inboard joint.
 (d) Check the boots for damage.

NOTICE:

Move the drive shaft while keeping it level.



- (e) Make sure that the boots are not stretched or contracted when the drive shaft is at standard length.

Drive shaft standard length:

484.4 to 488.4 mm (19.071 to 19.226 in.)

NOTICE:

Move the drive shaft keeping it level.