

REMOVAL

1. REMOVE ENGINE UNDER COVER ASSEMBLY (See page [EX-3](#))
2. REMOVE NO. 2 ENGINE UNDER COVER (See page [EX-3](#))
3. DRAIN AUTOMATIC TRANSAXLE FLUID
 - (a) Remove the drain plug, gasket and drain ATF.
 - (b) Install a new gasket and the drain plug.
Torque: 49 N*m (500 kgf*cm, 36 ft.*lbf)

4. DRAIN TRANSFER OIL

HINT:

(See page [TF-14](#))

5. REMOVE FRONT WHEEL

6. REMOVE FRONT AXLE HUB LH NUT

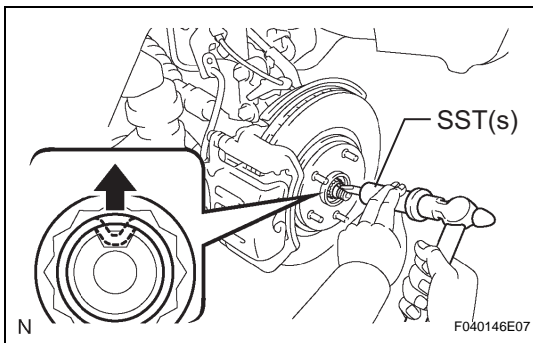
- (a) Using SST(s) and a hammer, unstake the staked part of the axle hub LH nut.

SST 09930-00010

NOTICE:

Loosen the staked part of the nut completely, otherwise the screw of the drive shaft may be damaged.

- (b) While applying the brakes, remove the lock axle hub LH nut.

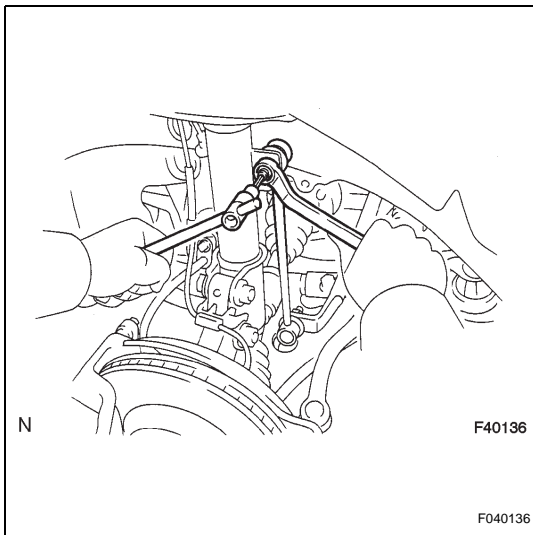


7. SEPARATE FRONT STABILIZER LINK ASSEMBLY LH

- (a) Remove the nut, and separate the stabilizer link assembly LH.

HINT:

If the ball joint turns together with the nut, use a hexagon wrench (6 mm) to hold the stud.

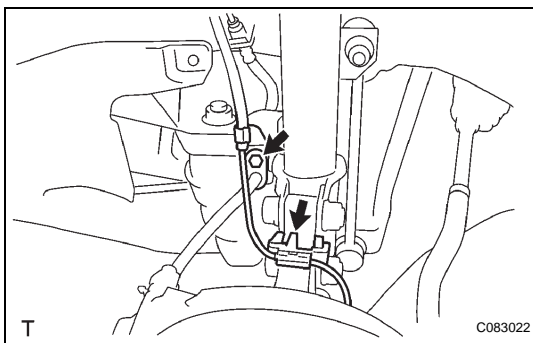


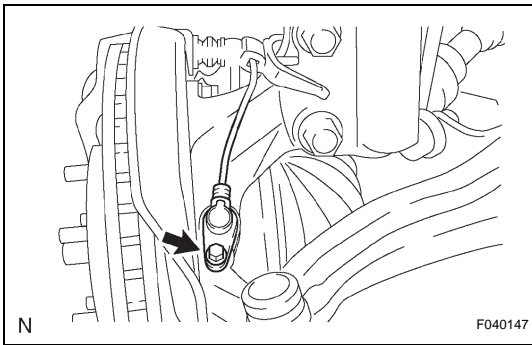
8. SEPARATE SPEED SENSOR FRONT LH

- (a) Remove the bolt and clip, and separate the sensor wire and hose from the shock absorber.

NOTICE:

Be careful not to damage the speed sensor.

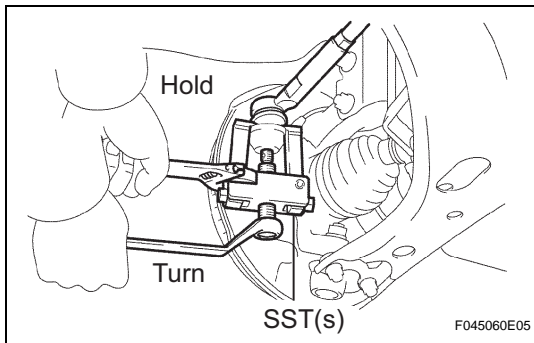




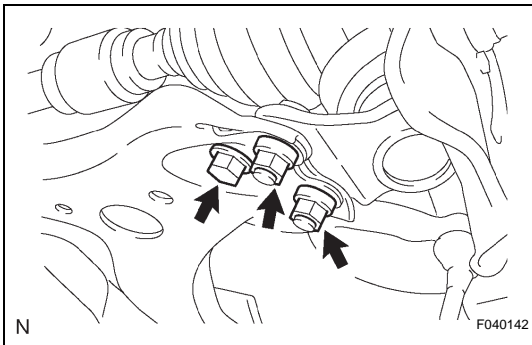
- (b) Remove the bolt, and separate the speed sensor from LH from the steering knuckle.

NOTICE:

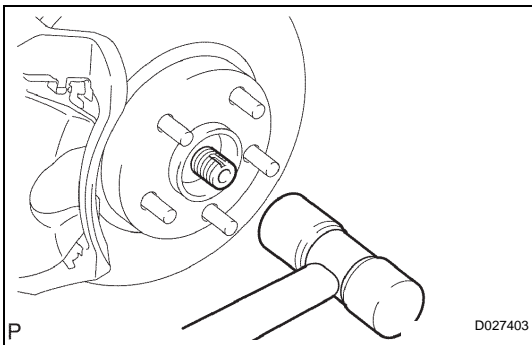
Prevent foreign matter from adhering to the speed sensor.

**9. SEPARATE TIE ROD END SUB-ASSEMBLY LH**

- (a) Remove the cotter pin and nut.

**10. SEPARATE NO. 1 FRONT SUSPENSION ARM SUB-ASSEMBLY LOWER**

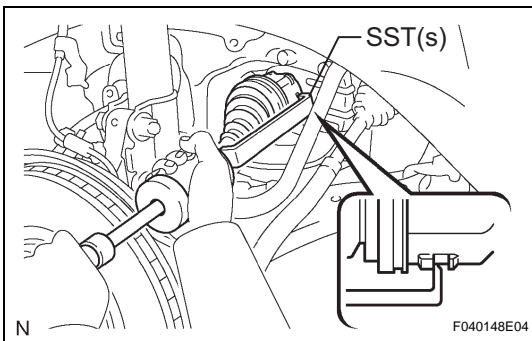
- (a) Remove the bolt and 2 nuts, and separate the No. 1 front suspension arm sub-assembly lower from the lower ball joint.

**11. SEPARATE FRONT AXLE ASSEMBLY LH**

- (a) Using a plastic hammer, separate the drive shaft from the axle hub.

NOTICE:

Be careful not to damage the boot and speed sensor rotor.

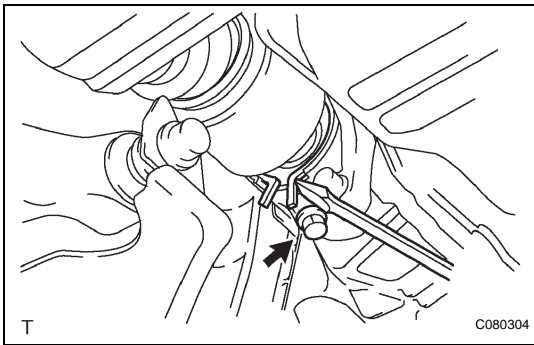
**12. REMOVE FRONT DRIVE SHAFT ASSEMBLY LH**

- (a) Using SST(s), remove the front drive shaft assembly LH.

SST 09520-01010, 09520-24010 (09520-32040)

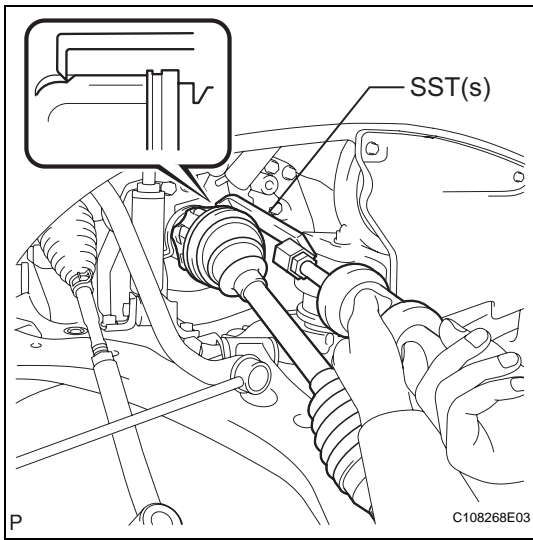
NOTICE:

- Be careful not to damage the transaxle case oil seal, inboard joint boot and drive shaft dust cover.
- Be careful not to drop the drive shaft assembly.



13. REMOVE FRONT DRIVE SHAFT ASSEMBLY RH (for 2WD)

- (a) Using a screwdriver, remove the bearing brake hole snap ring.
- (b) Remove the bolt and front drive shaft assembly RH from the drive shaft bearing bracket.



14. REMOVE FRONT DRIVE SHAFT ASSEMBLY RH (for 4WD)

- (a) Using SST(s), remove the front drive shaft assembly RH.

SST 09520-01010, 09520-24010 (09520-32040)

HINT:

Overhaul the side following the same procedures as for the LH side.

NOTICE:

- When removing and installing the front drive shaft assembly RH in 4WD vehicle, be sure to first drain all the transaxle oil and transfer oil. If removal and installation is carried out without draining these oils, the transfer oil will flow into the transaxle side. Extensive cleaning will be required if the two oils mix.
- Do not damage the oil seal and dust cover.
- Move the drive shaft assembly while keeping it level.

DISASSEMBLY

1. REMOVE NO. 2 FRONT AXLE INBOARD JOINT BOOT LH CLAMP

- (a) Using pliers, remove the No. 2 front axle inboard joint boot LH clamp, as shown in the illustration.

2. REMOVE FRONT AXLE INBOARD JOINT BOOT LH CLAMP

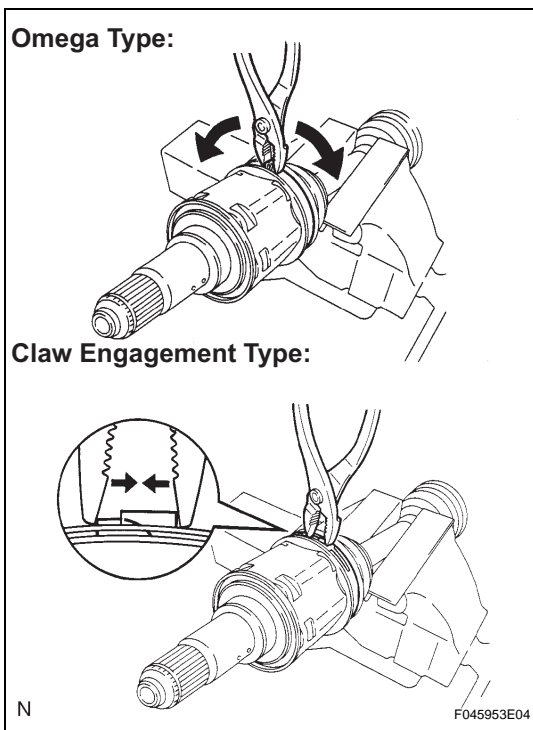
- (a) Remove the front axle inboard joint boot LH clamp using the same procedures as for the No. 2 front axle inboard joint boot LH clamp.

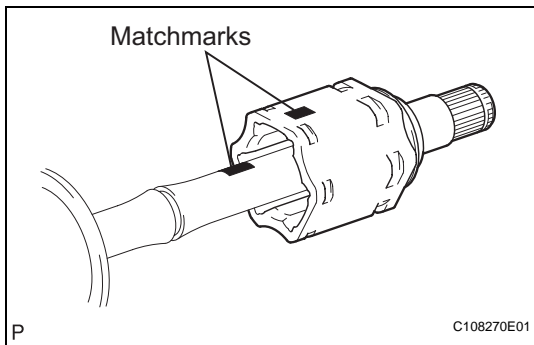
3. SEPARATE FR AXLE INBOARD JOINT BOOT

- (a) Separate the inboard joint boot from the inboard joint assembly.

4. REMOVE FRONT DRIVE INBOARD JOINT ASSEMBLY LH

- (a) Remove the grease from the inboard joint.



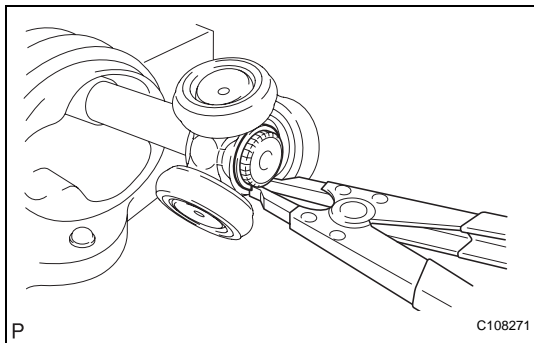


- (b) Put matchmarks on the inboard joint shaft assembly and outboard joint shaft.

NOTICE:

Do not use a punch for the marks.

- (c) Remove the inboard joint shaft assembly from the outboard joint shaft.

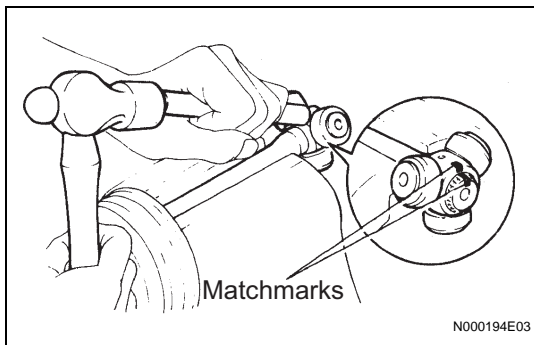


- (d) Using a snap ring expander, remove the snap ring.

- (e) Put matchmarks on the outboard joint shaft and tripod.

NOTICE:

Do not use a punch for the marks.



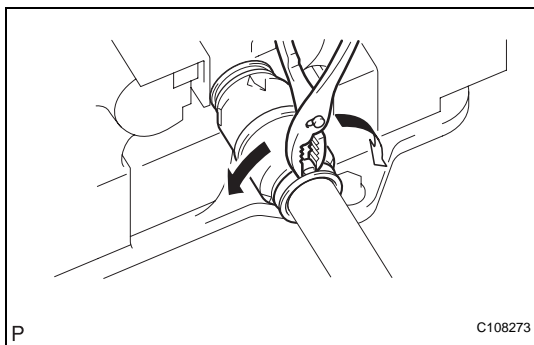
- (f) Using a brass bar and hammer, remove the tripod from the outboard joint shaft.

NOTICE:

Do not tap the roller.

5. REMOVE INBOARD JOINT BOOT

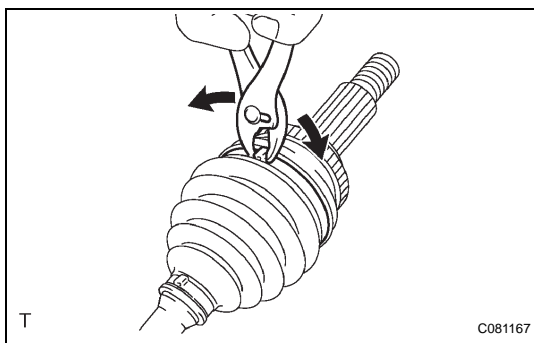
- (a) Remove the inboard joint boot and inboard joint boot clamp.

**6. REMOVE FRONT DRIVE SHAFT DAMPER CLAMP**

- (a) Using pliers, remove the front drive shaft damper clamp, as shown in the illustration.

7. REMOVE FRONT DRIVE SHAFT DAMPER

- (a) Remove the drive shaft damper.

**8. REMOVE OUTBOARD JOINT BOOT NO.2 CLAMP**

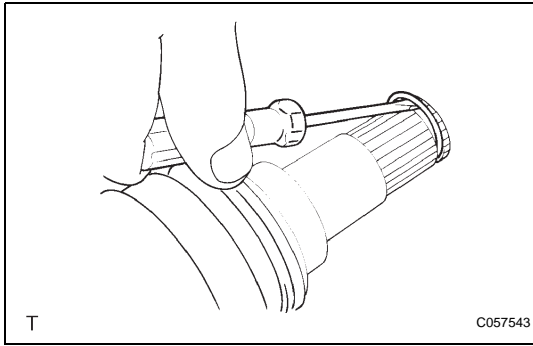
- (a) Using pliers, remove the outboard joint boot No.2 clamp, as shown in the illustration.

9. REMOVE OUTBOARD JOINT BOOT CLAMP

- (a) Remove the outboard joint boot clamp perform the same procedures as for the outboard joint boot No.2 clamp.

10. REMOVE OUTBOARD JOINT BOOT

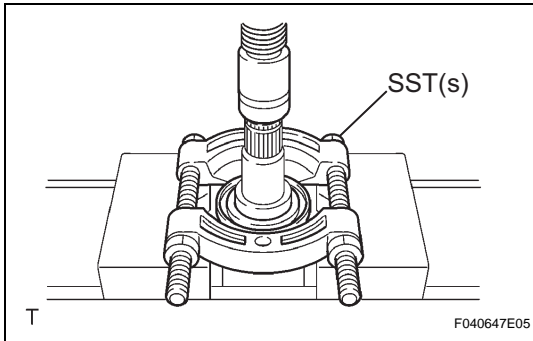
- (a) Remove the outboard joint boot from the outboard joint shaft.



(b) Remove the grease from the outboard joint.

11. REMOVE FRONT DRIVE SHAFT LH HOLE SNAP RING

- (a) Using a screwdriver, remove the front drive shaft LH hole snap ring.



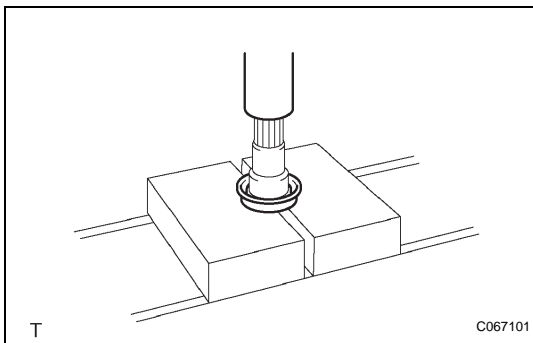
12. REMOVE FRONT DRIVE SHAFT DUST COVER LH

- (a) Using SST(s) and a press, remove the drive shaft dust cover LH.

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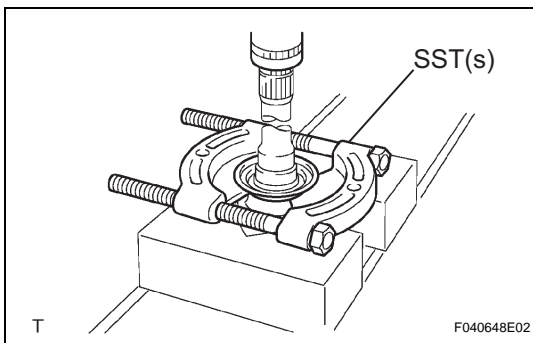
NOTICE:

Be careful not to drop the inboard joint assembly.



13. REMOVE FRONT DRIVE SHAFT DUST COVER RH (for 2WD)

- (a) Using a press, remove the drive shaft dust cover RH.



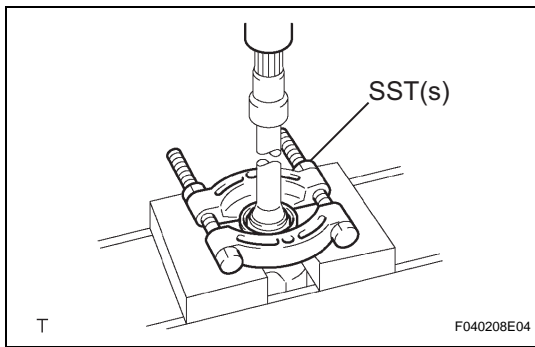
14. REMOVE FRONT DRIVE SHAFT DUST COVER RH (for 4WD)

- (a) Using SST(s) and a press, remove the drive shaft dust cover RH.

SST 09950-00020

NOTICE:

Be careful not to drop the inboard joint assembly.



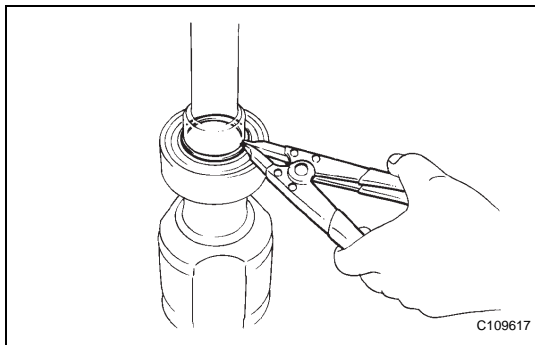
15. REMOVE FRONT DRIVE SHAFT DUST COVER

- (a) Using SST(s) and a press, remove the drive shaft dust cover.

SST 09950-00020

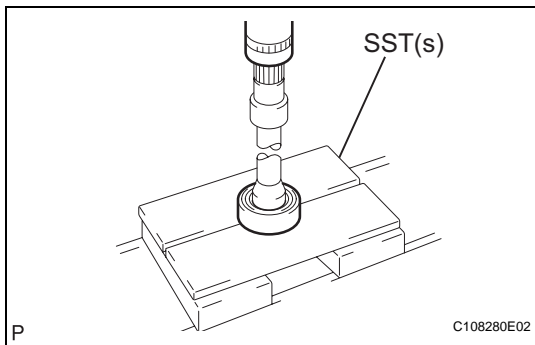
NOTICE:

Be careful not to drop the inboard joint assembly.



16. REMOVE FRONT DRIVE SHAFT RH HOLE SNAP RING

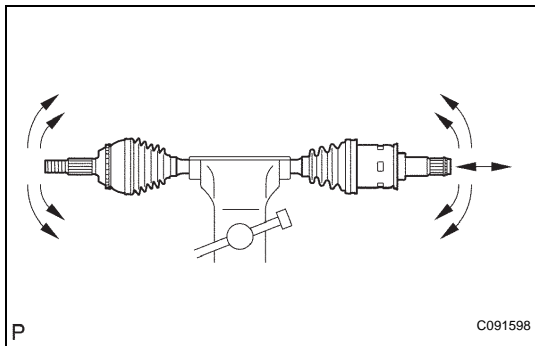
- (a) Using a snap ring expander, remove the drive shaft RH hole snap ring.



17. REMOVE FRONT DRIVE SHAFT BEARING

- (a) Using SST(s) and a press, remove the front drive shaft bearing.

SST 09527-10011

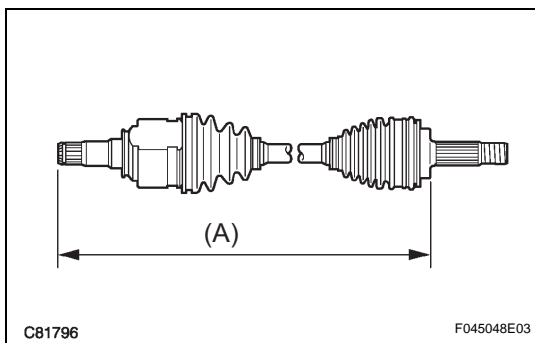


INSPECTION

1. INSPECT FRONT DRIVE SHAFT ASSEMBLY LH

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

- (e) For dimension (A), refer to the following table.



DRIVE TYPE	LH mm (in.)	RH mm (in.)
2WD	579.4 (22.81) +- 2.0 (0.08)	898.0 (35.35) +- 2.0 (0.08)
4WD	495.6 (19.51) +- 2.0 (0.08)	932.2 (36.70) +- 2.0 (0.08)