

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

2. **REMOVE FRONT WHEEL**

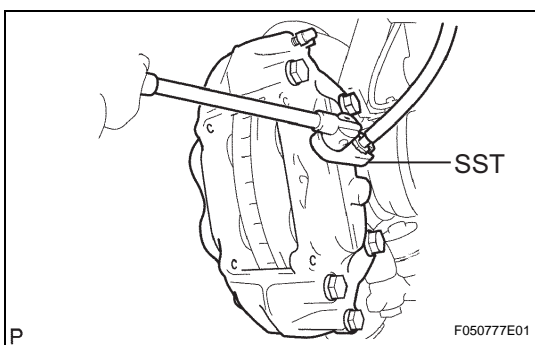
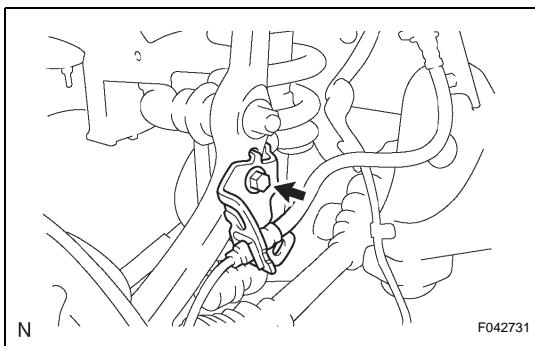
3. **DRAIN BRAKE FLUID**

NOTICE:

Immediately wash off any brake fluid that comes into contact with painted surfaces.

4. **REMOVE FRONT DISC BRAKE CALIPER ASSEMBLY**

- (a) Remove the bolt and separate the brake tube bracket from the steering knuckle.

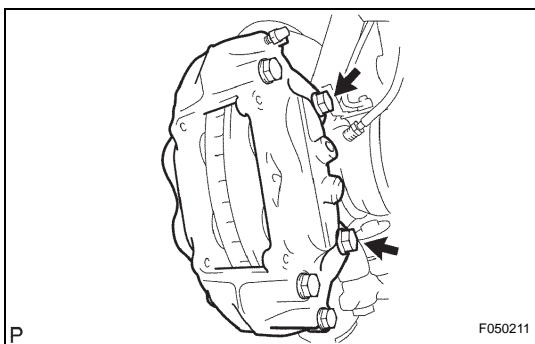


- (b) Using SST, separate the brake tube from the disc brake cylinder.

SST 09023-00101

HINT:

Use a container to collect the brake fluid as it drains out.



- (c) Remove the 2 bolts and disc brake caliper assembly.

5. **REMOVE FRONT DISC (See page BR-42)**

6. **SEPARATE FRONT SPEED SENSOR (See page DS-3)**

7. **REMOVE FRONT AXLE HUB GREASE CAP (for 4WD) (See page DS-3)**

8. **REMOVE FRONT AXLE HUB NUT (for 4WD) (See page DS-3)**

9. **SEPARATE FRONT STABILIZER LINK ASSEMBLY (See page SP-10)**

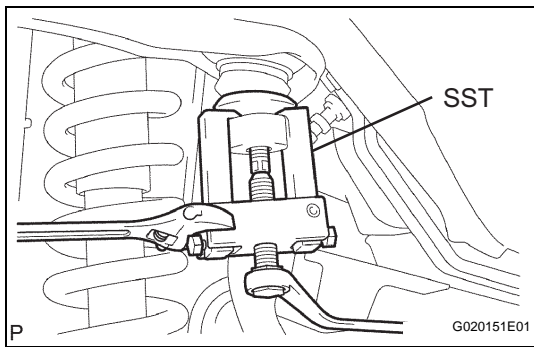
10. **SEPARATE TIE ROD END SUB-ASSEMBLY (See page DS-3)**

11. **SEPARATE FRONT LOWER BALL JOINT ATTACHMENT (See page DS-4)**

12. **SEPARATE FRONT UPPER SUSPENSION ARM**

- (a) Support the lower arm with a jack.

- (b) Remove the clip and nut.



- (c) Using SST, separate the upper ball joint from the steering knuckle.

SST 09628-62011

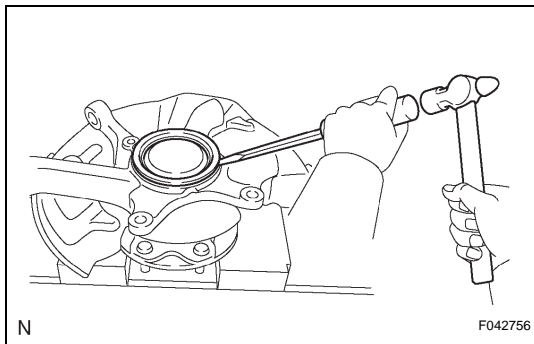
13. REMOVE FRONT AXLE ASSEMBLY

- (a) for 4WD:
 - (1) Using a plastic hammer, separate the front axle hub from the front drive shaft.
 - (b) Remove the front axle assembly.

DISASSEMBLY

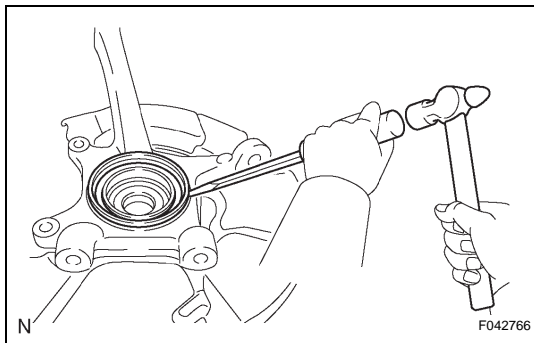
1. REMOVE KNUCKLE GREASE RETAINER CAP (for 2WD)

- (a) Using a screwdriver and hammer, remove the retainer cap.



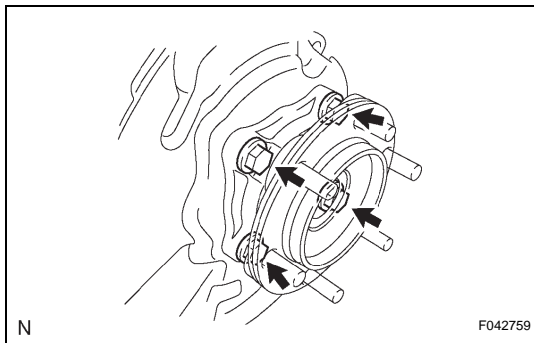
2. REMOVE STEERING KNUCKLE OIL SEAL (for 4WD)

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



3. REMOVE FRONT AXLE HUB

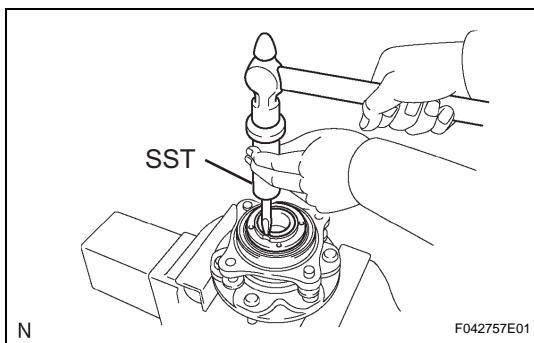
- (a) Remove the 4 bolts, axle hub and dust cover from the steering knuckle.
- (b) Remove the O-ring from the axle hub.

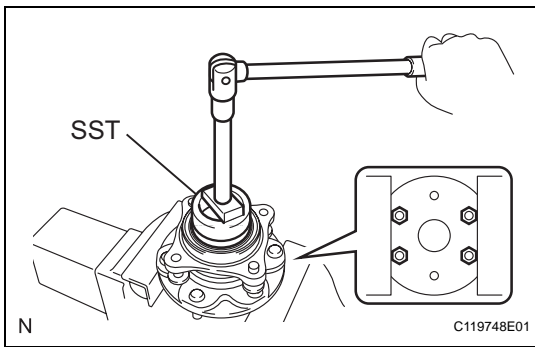


4. REMOVE FRONT WHEEL ADJUSTING NUT (for 2WD)

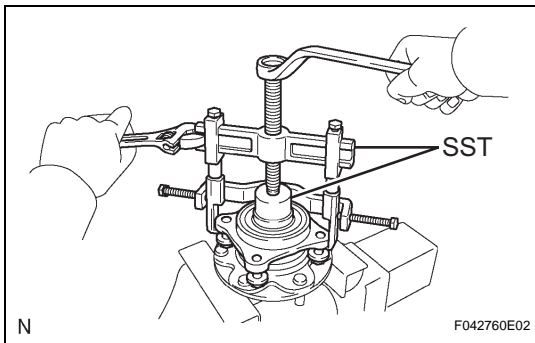
- (a) Using SST and a hammer, unstake the adjusting nut.

SST 09930-00010



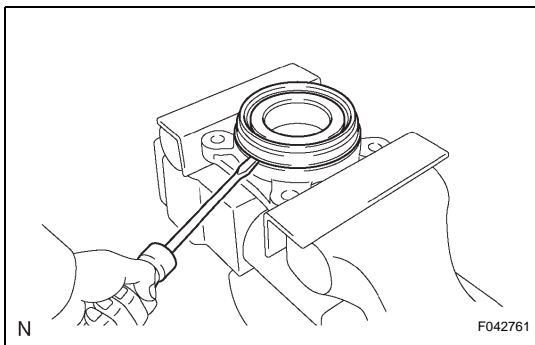


- (b) Using SST, remove the front wheel adjusting nut.
SST 09318-12010



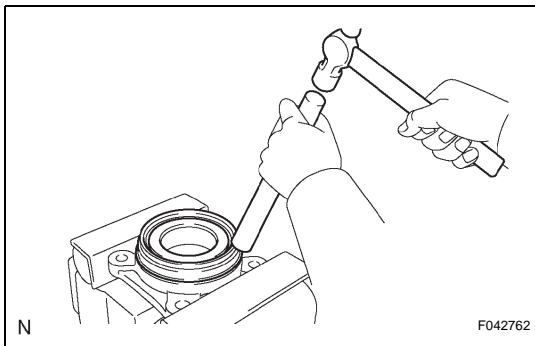
5. REMOVE FRONT AXLE WITH ABS ROTOR BEARING ASSEMBLY

- (a) Gently fix the front axle hub in a vise.
 (b) Using SST, remove the bearing.
SST 09710-30021 (09710-03051), 09950-40011 (09951-04020, 09952-04010, 09953-04020, 09954-04010, 09955-04061, 09957-04010, 09958-04011)



6. REMOVE FRONT AXLE HUB OIL SEAL

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



REASSEMBLY

1. INSTALL FRONT AXLE HUB OIL SEAL

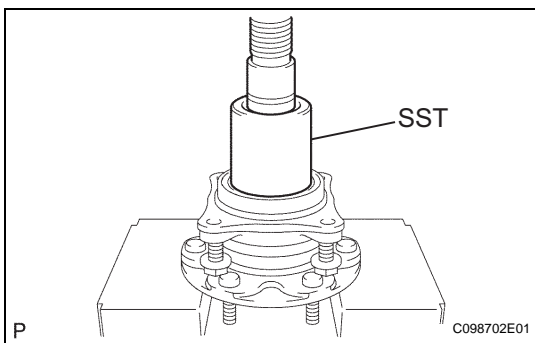
- (a) Using a brass bar and a hammer, install a new oil seal.

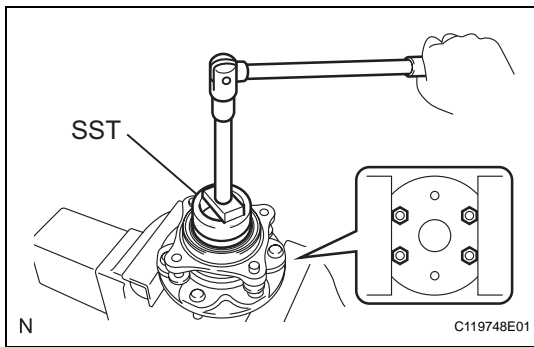
NOTICE:
Do not damage the oil seal.

2. INSTALL FRONT AXLE WITH ABS ROTOR BEARING ASSEMBLY

- (a) Using SST and a press, install a new bearing onto the axle hub.

SST 09649-17010





3. INSTALL FRONT WHEEL ADJUSTING NUT (for 2WD)

- (a) Using SST, install a new adjusting nut.

SST 09318-12010

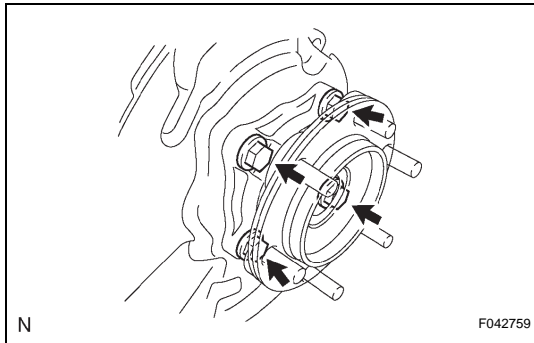
Torque: 275 N*m (2,804 kgf*cm, 203 ft.*lbf)

4. INSTALL FRONT AXLE HUB

- (a) Apply MP grease to a new O-ring.
 (b) Install the new O-ring onto the axle hub.

- (c) Install the dust cover and axle hub onto the steering knuckle with the 4 bolts.

Torque: 80 N*m (816 kgf*cm, 59 ft.*lbf)

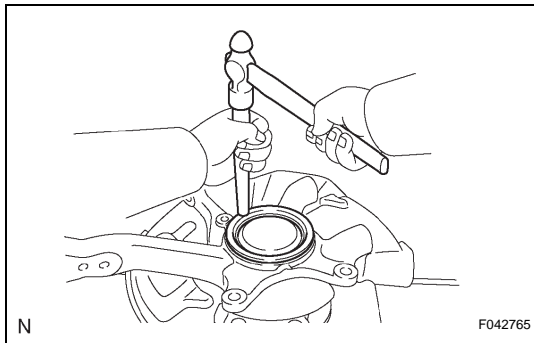


5. INSTALL KNUCKLE GREASE RETAINER CAP (for 2WD)

- (a) Using a brass bar and a hammer, install a new retainer cap.

NOTICE:

Do not damage the retainer cap.



6. INSTALL STEERING KNUCKLE OIL SEAL (for 4WD)

- (a) Using SST and a press, install a new oil seal.

SST 09527-17011, 09950-70010 (09951-07100), 09951-01000

