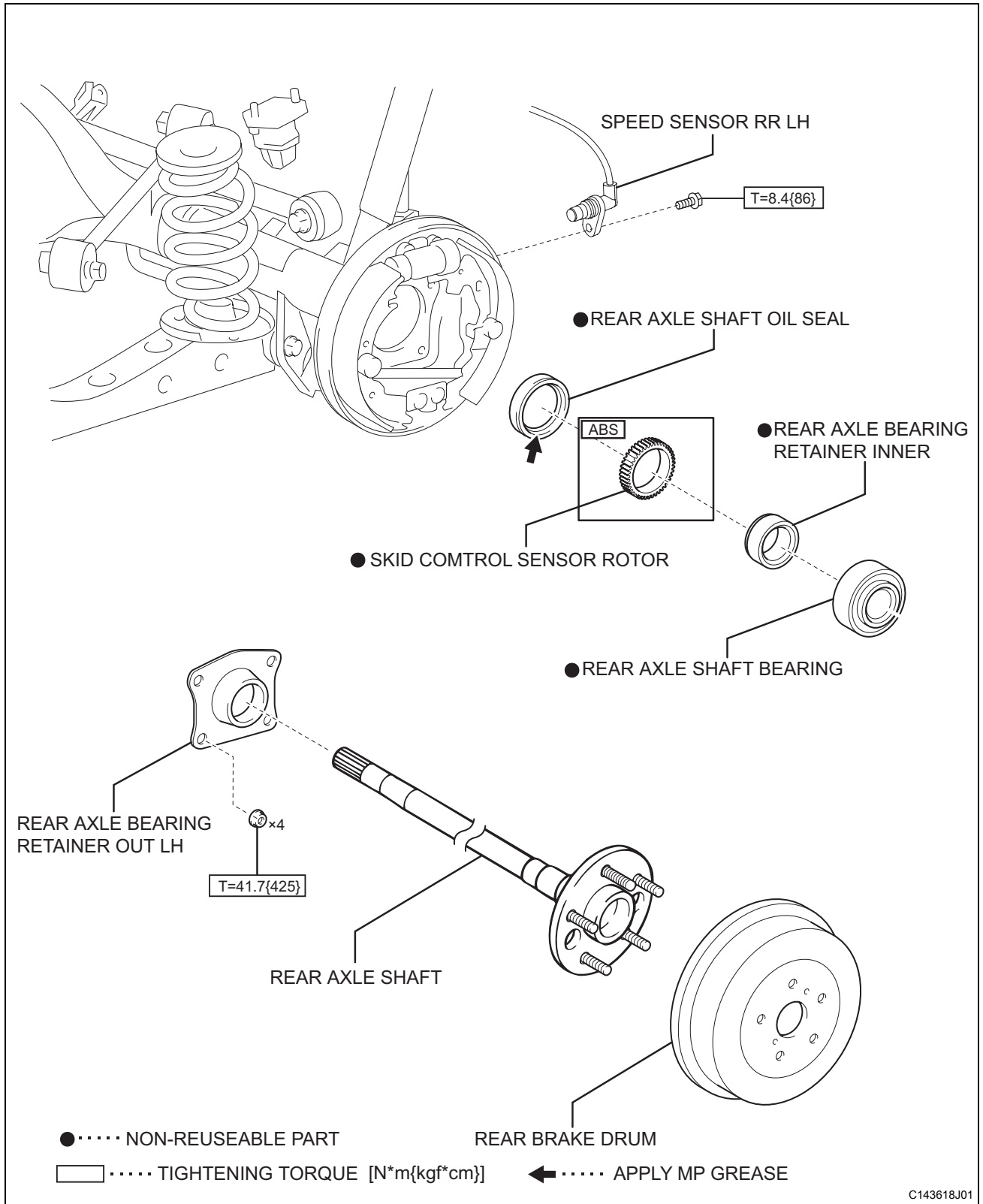


REAR AXLE ASSEMBLY

COMPONENTS

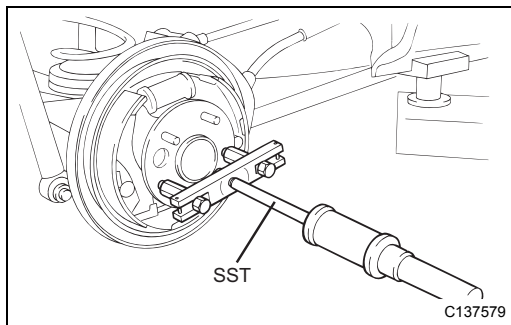
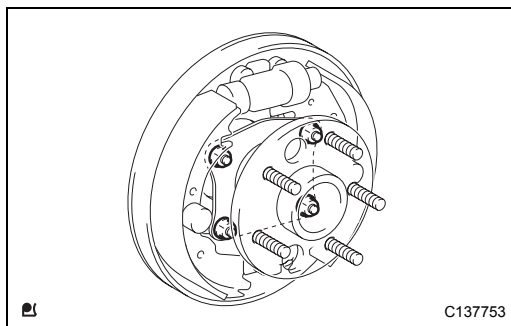


AH

REMOVAL

1. REMOVE REAR TIRE
2. DRAIN BRAKE FLUID
3. REMOVE REAR BRAKE DRUM (See page BR-30)
4. DISCONNECT SPEED SENSOR FR LH (WITH ABS) (See page DF-34)
5. REMOVE REAR AXLE BEARING RETAINER OUT LH
 - (a) Remove the 4 nuts from the service hole, and disconnect the bearing retainer OUT from the backing plate.
6. REMOVE REAR AXLE SHAFT

SST 09520-00031



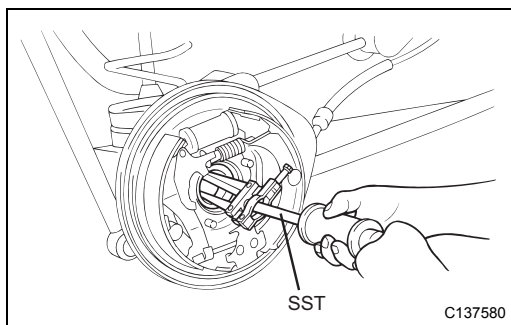
- (a) Using the SST, remove the rear axle shaft.

NOTICE:

- Immediately wipe off oil to prevent oil on the shaft from entering the bearing.
- Do not allow the spline of the shaft edge to scratch the oil seal.
- Be careful not to scratch the rear skid control rotor.

HINT:

As the differential oil may leak, place a tray under it.

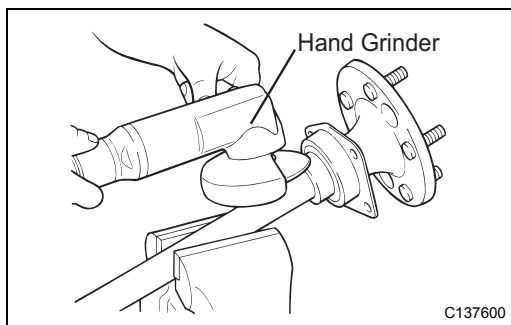


7. REMOVE REAR AXLE SHAFT OIL SEAL
 - (a) Using the SST, remove the shaft oil seal.

SST 09308-00010

DISASSEMBLY

AH



1. REMOVE SKID CONTROL SENSOR ROTOR (WITH ABS)
 - (a) Grind a part of the skid control sensor rotor with a grinder, then break and remove it using a chisel and a hammer.

CAUTION:

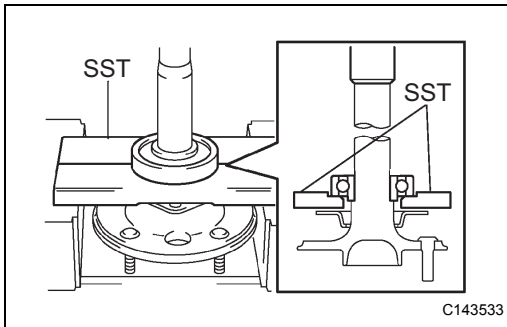
Use extra caution when using a hand grinder, and be sure to wear safety glasses.

NOTICE:

Be careful not to damage the rear axle shaft.
2. REMOVE REAR AXLE BEARING RETAINER INNER

HINT:

Perform the same procedure as for the skid control sensor rotor.



3. REMOVE REAR AXLE SHAFT BEARING

- (a) Using the SST and a press, remove the bearing.

SST 09527-30010

NOTICE:

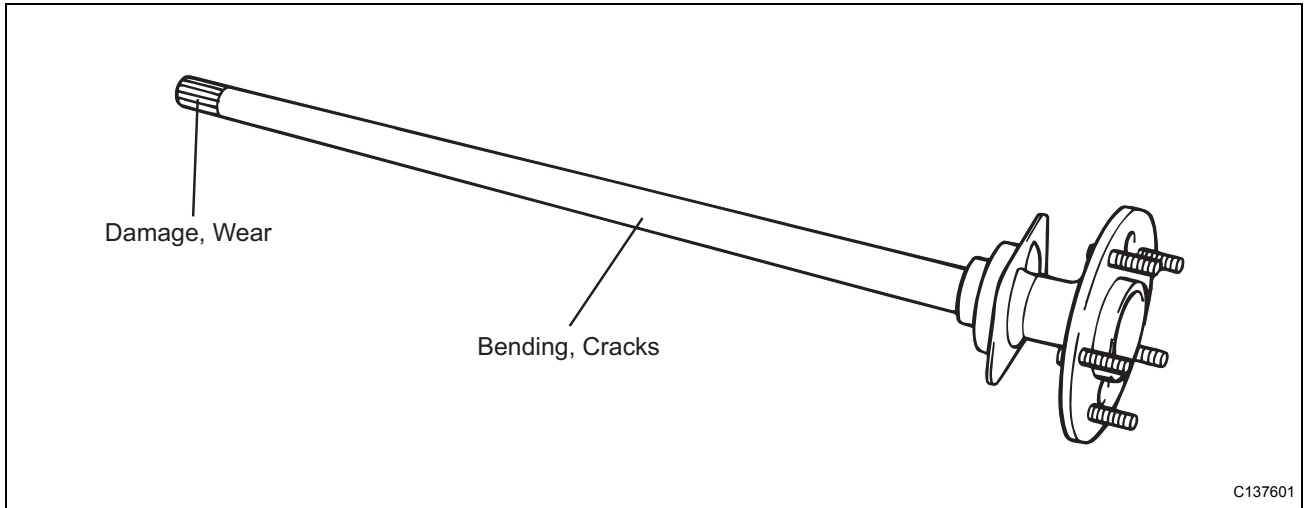
Be careful not to drop the axle shaft.

4. REMOVE REAR AXLE BEARING RETAINER OUT LH

- (a) Remove the rear axle bearing retainer OUT LH from the rear axle shaft.

5. INSPECT REAR AXLE SHAFT LH

- (a) Check the rear axle shaft for kinks and cracks.



REASSEMBLY

1. INSTALL REAR AXLE BEARING RETAINER OUT LH

- (a) Install the rear axle bearing retainer OUT LH to the rear axle shaft.

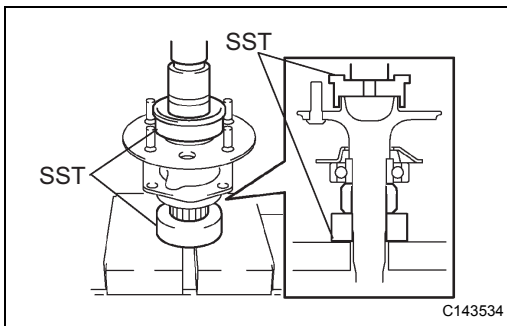
2. INSTALL REAR AXLE SHAFT BEARING LH

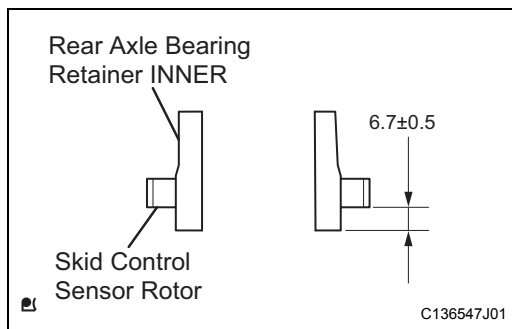
SST 09608-03071

- (a) Using the SST and a press, press-fit a new bearing.

NOTICE:

Make sure the bearing is installed in the correct direction.





3. INSTALL SKID CONTROL SENSOR ROTOR (WITH ABS)

- (a) Using the SST and a press, press-fit a new skid control sensor rotor to the standard position on the rear axle bearing retainer INNER as shown in the illustration.

SST 09515-21010, 09608-32010

Standard:

6.7 ± 0.5 mm

4. INSTALL REAR AXLE BEARING RETAINER INNER

- (a) Heat a new rear axle bearing retainer INNER (with the skid control sensor rotor) to 150 °C.

CAUTION:

As the inner retainer becomes extremely hot, be sure to use safety gloves to perform this procedure.

NOTICE:

The retainer turns slightly yellow when reaches 150 °C. Do not heat above 150 °C.

- (b) Tap in the rear axle bearing retainer INNER (with the skid control sensor rotor) part of the way using a hammer or similar tool. Then use the SST and a press to press-fit it before it gets cold.

INSTALLATION

1. INSTALL REAR AXLE SHAFT OIL SEAL

- (a) Apply MP grease to the lip of the shaft oil seal.
- (b) Using the SST and a hammer, tap in a new oil seal to the position shown in the illustration.

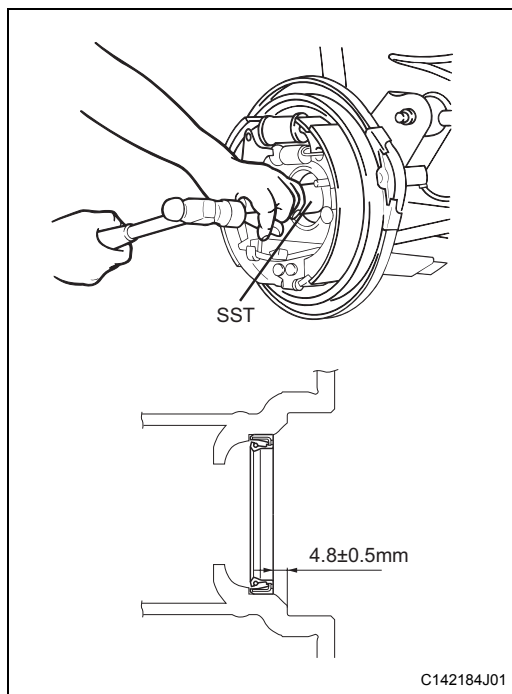
SST 09517-12010

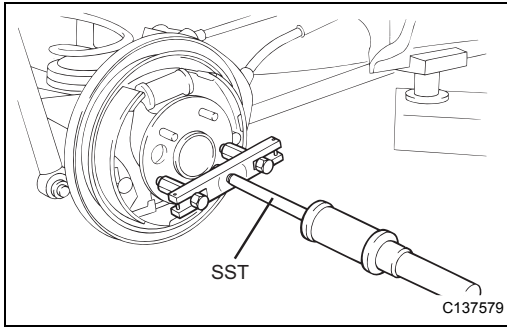
NOTICE:

- Install the oil seal slowly and uniformly.
- Be careful not to damage the oil seal.

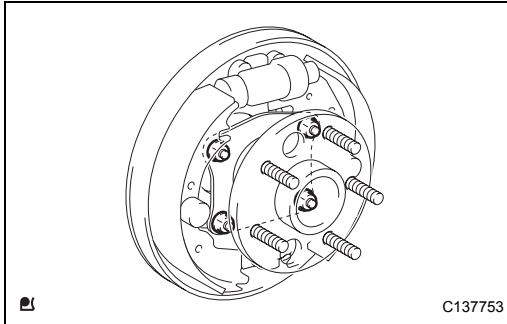
2. INSTALL REAR AXLE SHAFT

SST 09520-00031





- (a) Using the SST, insert the rear axle shaft to the axle housing.



- (b) Using the 4 nuts, install the rear axle bearing retainer OUT LH.

Torque: 41.7 N*m (425 kgf*cm)

NOTICE:

- Do not allow the spline of the shaft edge to scratch the shaft oil seal.
- Be careful not to damage the speed sensor rotor.
- Check for any foreign matter on the speed sensor rotor and insertion part.
- Check that the axle shaft is inserted firmly to the differential side by truing it.

3. INSTALL SPEED SENSOR RR LH (WITH ABS) (See page DF-51)

4. INSTALL REAR BRAKE DRUM

5. INSTALL REAR TIRE

Torque: 103 N*m (1050 kgf*cm)

6. INSPECT TEST MODE (SPEED SENSOR SYSTEM) (WITH ABS)

VEHICLE WITHOUT VSC (See page BC-9)

VEHICLE WITH VSC (See page BC-65)

