GROUP 27A

REAR AXLE <2WD>

CONTENTS

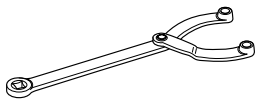
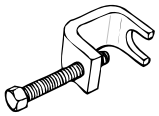
SERVICE SPECIFICATIONS

M1271000301408

Item	Limit
Wheel bearing axial play mm	0.05
Rear hub rotary-sliding resistance N	24.5

SPECIAL TOOLS

M1271000601432

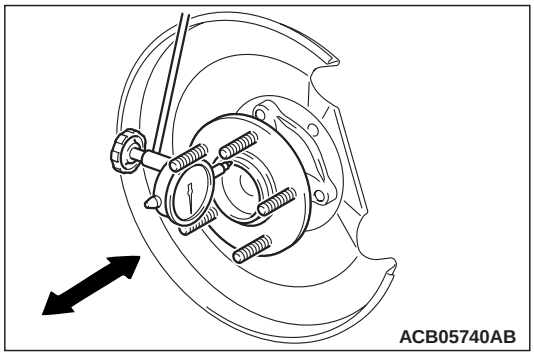
Tool	Number	Name	Use
 B990767	MB990767	Front hub and flange yoke holder	Hub fixing
 MB991618	MB991618	Hub bolt remover	Removal of hub bolt

ON-VEHICLE SERVICE

WHEEL BEARING AXIAL PLAY CHECK

M1271000901381

1. Remove the caliper assembly and the brake disc. Retain the caliper assembly with a wire and the like to prevent from falling.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2. Set a dial gauge as shown in the figure. Move the hub in the axial direction and measure the looseness.

   Limit: 0.05 mm

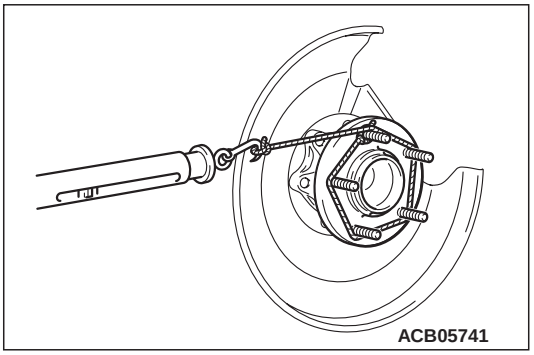
3. When the looseness exceeds the limit, replace the rear wheel hub assembly.
4. After checking, install the brake disc and the caliper assembly, and tighten the caliper mounting bolt to the specified torque.

   Tightening torque: 58 ± 7 N·m

REAR HUB ROTARY-SLIDING RESISTANCE CHECK

M1271001100835

1. Remove the caliper assembly and the brake disc. Retain the caliper assembly with a wire and the like to prevent from falling.
2. Turn the hub a few times to seat the bearing.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3. Wind a rope around the hub bolt and turn the hub by pulling at a 90 degree angle with a spring balance. Measure to determine whether or not the rotary-sliding resistance of the rear hub is at the limit.

Limit: 24.5 N

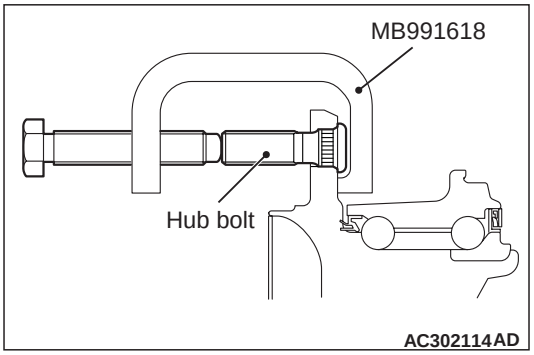
4. Replace the rear hub assembly if the rotary-sliding resistance cannot be made to within the limit.
5. After having finished the inspection, install the brake disc, caliper assembly and tighten the caliper assembly mounting bolts to the specified torque.

Tightening torque: 58 ± 7 N·m

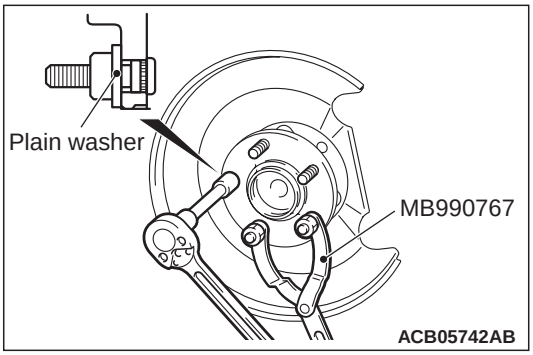
HUB BOLT REPLACEMENT

M1271001001035

1. Remove the caliper assembly and the brake disc. Retain the caliper assembly with a wire and the like to prevent from falling.



2. Use special tool hub bolt remover (MB991618) to remove the hub bolt.



3. After fixing the hub using special tool front hub and flange yoke holder (MB990767), install the plain washer to the new hub bolt and tighten the bolt with a nut.
4. Install the brake disc, caliper assembly and tighten the caliper assembly mounting bolts to the specified torque.

Tightening torque: 58 ± 7 N·m

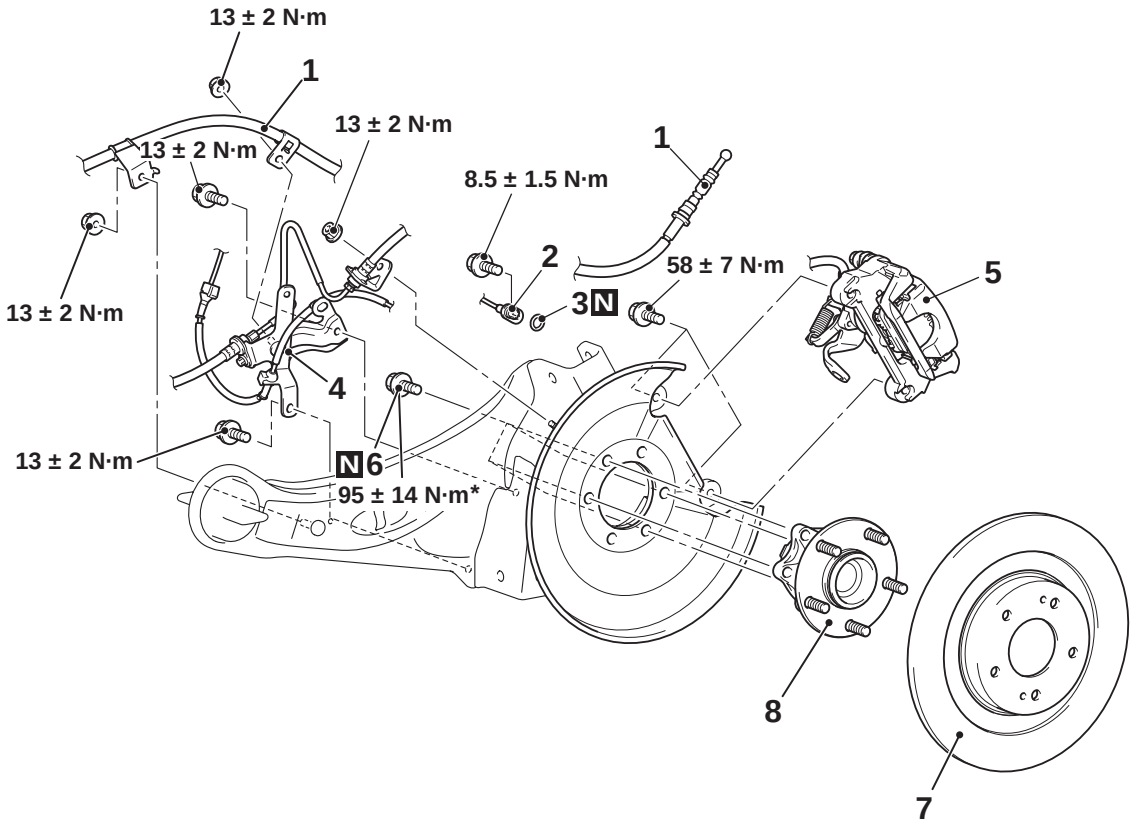
REAR AXLE HUB ASSEMBLY

REMOVAL AND INSTALLATION

M1271002001641

⚠ CAUTION

- **Do not disassemble the rear wheel hub assembly.**
- **The magnetic encoder collects metallic particles easily, because it is magnetised. Make sure that the magnetic encoder should not collect metallic particles. Check that there is not any trouble prior to reassembling it.**
- **When the rear wheel hub assembly is removed/installed, make sure that the magnetic encoder (integrated with inner oil seal) does not contact with surrounding parts to avoid damage.**
- **When removing and installing the rear wheel speed sensor, make sure that its pole piece at the end does not contact with surrounding parts to avoid damage.**
- **The part indicated with * is the bolt with friction coefficient stabilizer. In removal, replace it with a new one.**



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Removal steps

<<A>> >>A<<
1. Parking brake rear cable connection <Rear brake caliper side>
2. Rear wheel speed sensor connection
3. O-ring
4. Brake hose bracket with brake hose and rear wheel speed sensor wiring harness connection

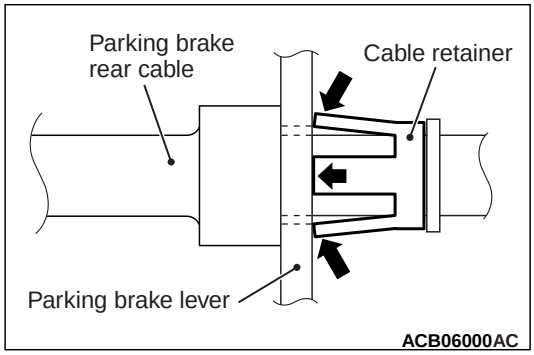
<<B>>

Removal steps (Continued)

5. Caliper assembly
6. Rear brake disc
7. Rear wheel hub assembly mounting bolt
8. Rear wheel hub assembly

REMOVAL SERVICE POINT

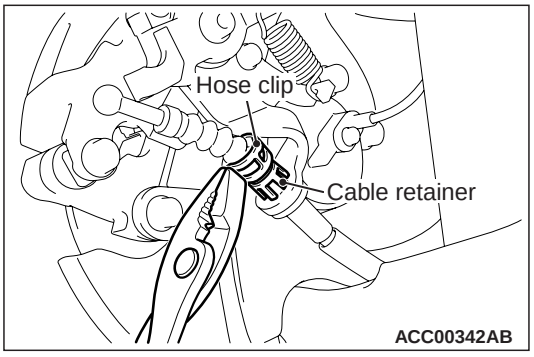
<<A>> PARKING BRAKE REAR CABLE CONNECTION <REAR BRAKE CALIPER ASSEMBLY SIDE>



Compress the tabs on the cable retainer to pull out the parking rear cable through the parking lever hole of the rear brake caliper assembly.

NOTE:

- *When pulling out the parking rear cable, be careful not to damage the tab on the cable retainer.*



Example: Insert the 12.8-mm hose clip (MB248923) into the parking rear cable. Then push the clip over the cable retainer to protect the tabs.

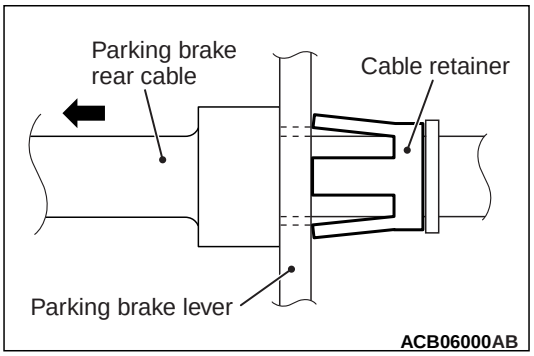
<<B>>CALIPER ASSEMBLY REMOVAL

1. Remove the caliper assembly with brake hose.
2. Secure the removed caliper assembly with a wire or other similar material at a position where it will not interfere with the removal and installation of the rear wheel hub assembly.

INSTALLATION SERVICE POINT

>>A<< PARKING BRAKE REAR CABLE CONNECTION (REAR BRAKE CALIPER ASSEMBLY SIDE) INSTALLATION

1. Guide the parking brake rear cable through the parking lever hole of the rear brake caliper assembly to the cable retainer.



2. Pull back the parking brake rear cable to assure it is tightly fastened to the cable retainer.

INSPECTION

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- Check the oil seal of the rear hub wheel bearing for crack or damage.
- Check the rear hub wheel bearing for wear or damage.