
REAR AXLE

CONTENTS

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GENERAL INFORMATION	2	ON-VEHICLE SERVICE	3
SERVICE SPECIFICATIONS	2	Wheel Bearing Axial Play Check	3
SPECIAL TOOLS	2	Wheel Bearing Rotary-Sliding Resistance Check	3
		Hub Bolt Replacement	4
		REAR AXLE HUB	5
		KNUCKLE	7

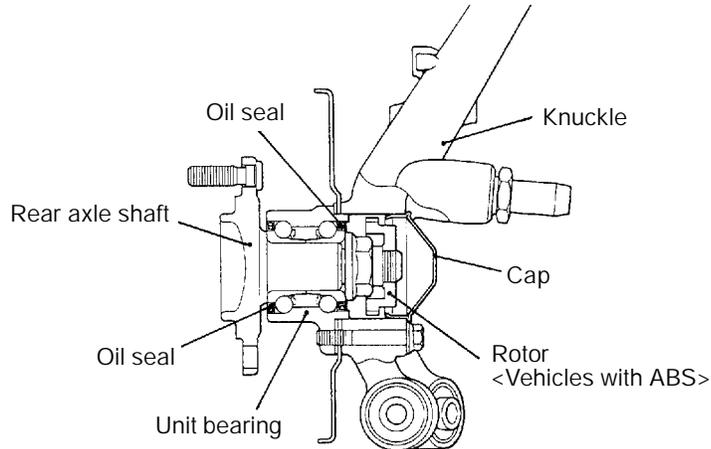


GENERAL INFORMATION

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The rear axle consists of a knuckle, rear hub, unit bearing and axle shaft. The unit bearing is press-fitted to the rear axle shaft and bolted to the knuckle. Also, the unit bearing utilizes the same

type of double row angular contact ball bearing as does the front axle. A rotor for detecting the vehicle speed is located on the rear axle shaft, and a speed sensor is located on the knuckle.



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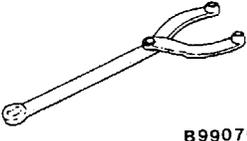
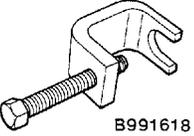
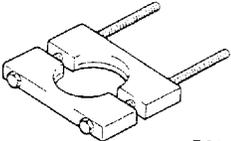
SERVICE SPECIFICATIONS

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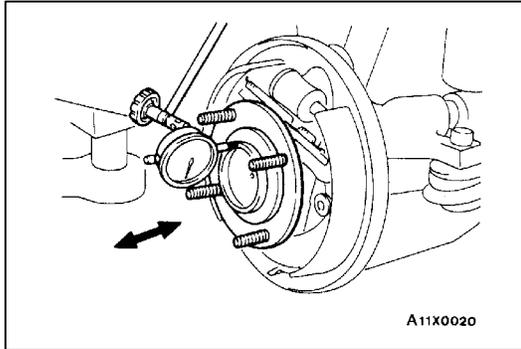
Items	Limit
Wheel bearing axial play mm	0.05
Wheel bearing rotary-sliding resistance N	18 or less

SPECIAL TOOLS

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Tool	Number	Name	Use
 B990767	MB990767	End yoke holder	Fixing of the hub
 B991618	MB991618	Hub bolt remover	Removal of the hub bolt
 B991248	MB991248	Inner shaft remover	Rotor removal

Tool	Number	Name	Use
 <p>B991113</p>	<p>MB991406 MB990635 or MB991113</p>	<p>Steering linkage puller</p>	<p>Ball joint disconnection</p>



ON-VEHICLE SERVICE

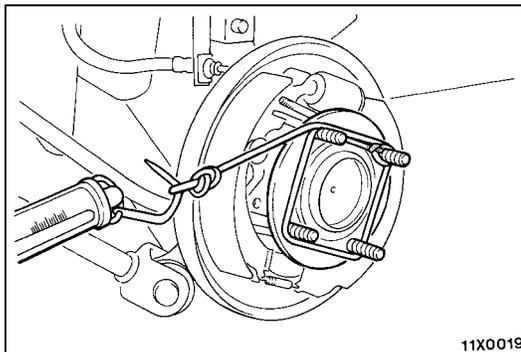
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WHEEL BEARING AXIAL PLAY CHECK

1. For vehicles with rear disc brake, remove the caliper assembly, suspend the caliper assembly with a wire and remove the brake disc.
2. For vehicles with rear drum brake, remove the brake drum.
3. Check the bearing's axial play.
Place a dial gauge against the hub surface; then move the hub in the axial direction and check whether or not there is axial play.

Limit: 0.05 mm

4. If the play exceeds the limit value, replace the rear hub assembly.



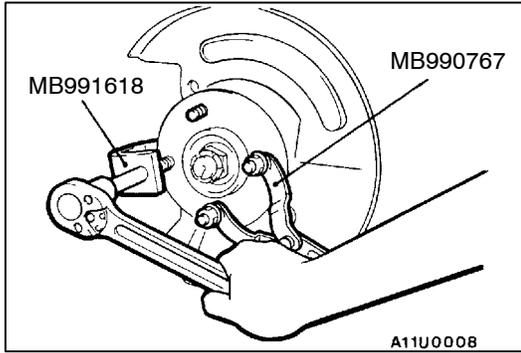
WHEEL BEARING ROTARY-SLIDING RESISTANCE CHECK

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1. For vehicles with rear disc brake, remove the caliper assembly, suspend the caliper assembly with a wire and remove the brake disc.
2. For vehicles with rear drum brake, remove the brake drum.
3. After turning the hub a few times to seat the bearing, wind a rope around the hub bolt and turn the hub by pulling at a 90° angle with a spring balance. Measure to determine whether or not the rotary-sliding resistance of the rear hub is at the limit value.

Limit: 18 N or less

4. If the rotary-sliding resistance exceeds the limit value, replace the rear hub assembly.



HUB BOLT REPLACEMENT

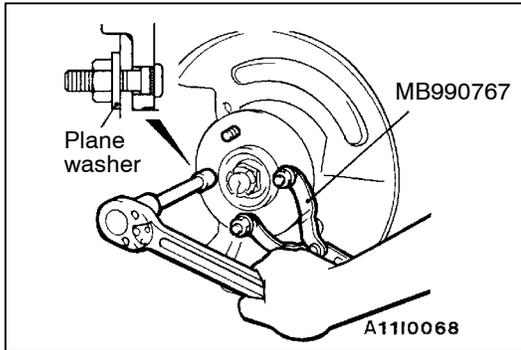
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1. For vehicles with rear disc brake, remove the caliper assembly, suspend the caliper assembly with a wire and remove the brake disc.
2. For vehicles with rear drum brake, remove the brake drum.
3. Pull the hub bolt out using the special tool.

NOTE

For vehicles with drum brakes, the hub bolts should be removed near the retainer spring installation position in order to maintain enough clearance for removal.

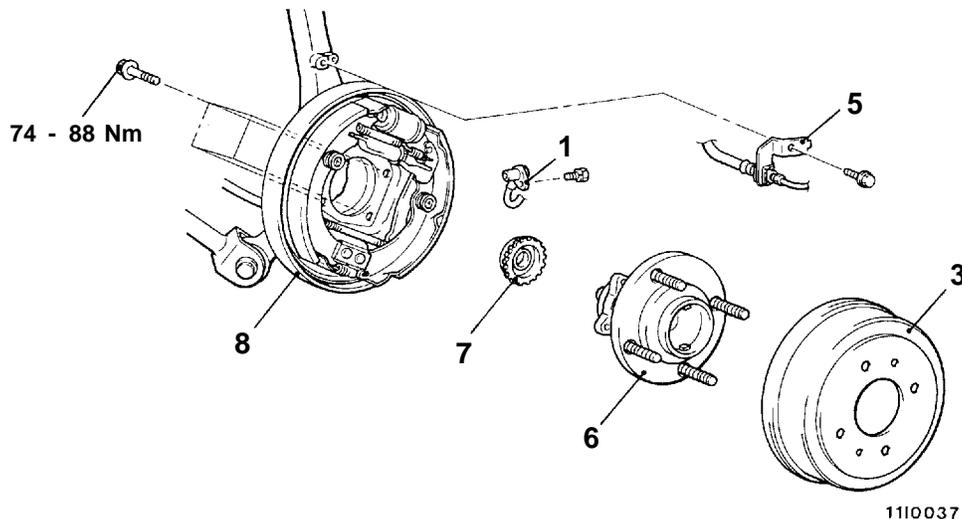
4. Install the plain washer to the new hub bolt, and install the bolt with a nut.



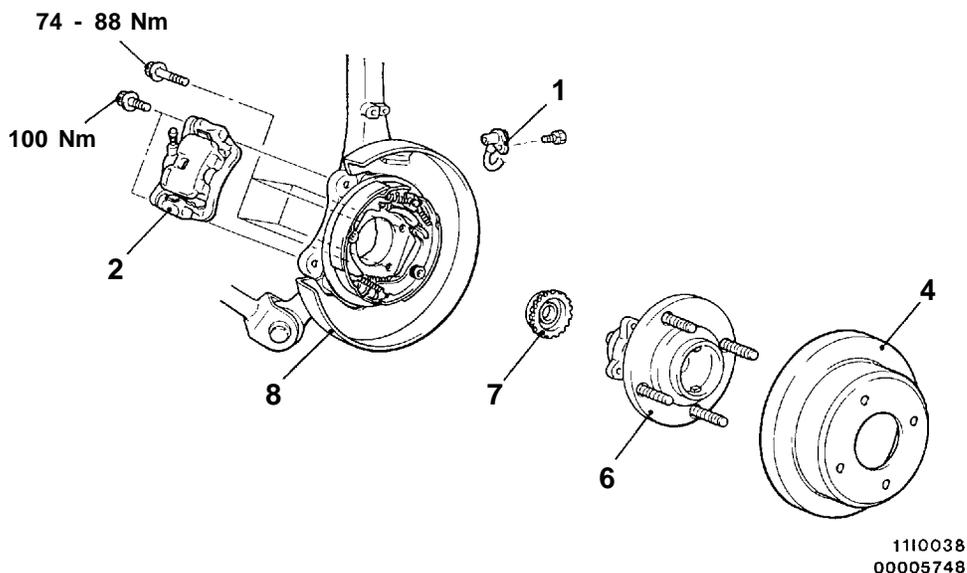
REAR AXLE HUB

REMOVAL AND INSTALLATION

<Vehicles with drum brake>



<Vehicles with disc brake>



Removal steps

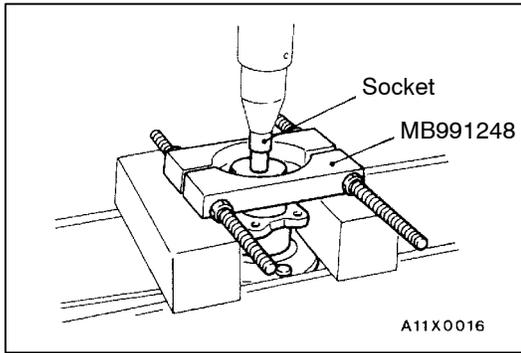
1. Rear wheel-speed sensor <Vehicles with ABS> (Refer to GROUP 35B.)
2. Caliper assembly
3. Brake drum
4. Brake disc
5. Brake hose installation bracket
6. Rear hub assembly
7. Rotor <Vehicles with ABS>
8. Backing plate

Caution

The rear hub unit bearing should not be dismantled. When removing the rear hub assembly, the wheel bearing inner race may be left at the spindle side. In this case, always replace the rear hub assembly, otherwise the hub will damage the oil seal, causing oil leaks or excessive play.

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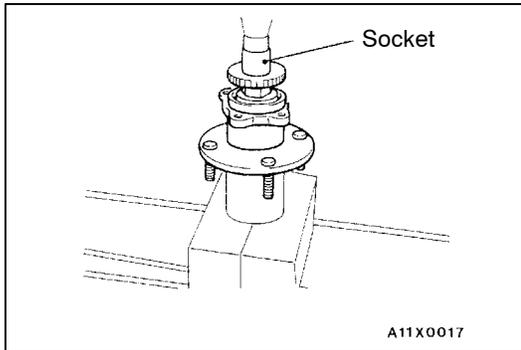
◀B▶ ▶A◀
◀C▶

**REMOVAL SERVICE POINTS****◀A▶ CALIPER ASSEMBLY REMOVAL**

Remove the caliper assembly and suspend it.

◀B▶ ROTOR REMOVAL**◀C▶ BACKING PLATE REMOVAL**

Remove the backing plate and suspend it.

**INSTALLATION SERVICE POINT****▶A◀ ROTOR INSTALLATION**

KNUCKLE

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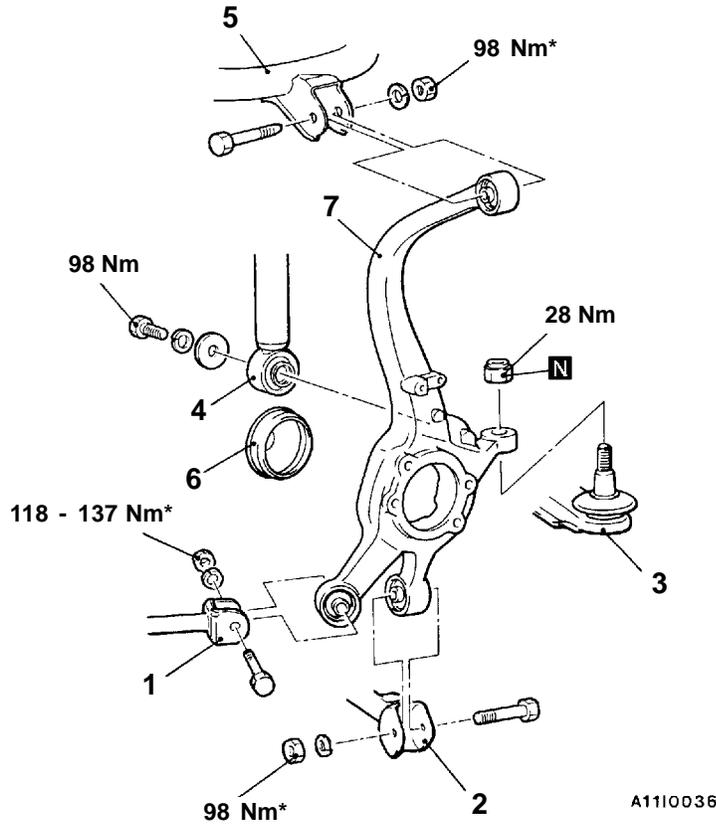
REMOVAL AND INSTALLATION

Pre-removal Operation

Rear Hub Assembly Removal (Refer to P.27-5.)

Post-installation Operation

- Check the Dust Cover for Cracks or Damage by Pushing It with Finger.
- Rear Hub Assembly Installation (Refer to P.27-5.)



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Removal steps

1. Trailing arm connection
2. Lower arm connection
3. Toe control arm connection
4. Shock absorber connection
5. Upper arm connection
6. Hub cap

7. Knuckle

Caution

*: Indicates parts which should be temporarily tightened, and then fully tightened with the vehicle on the ground in the unladen condition.

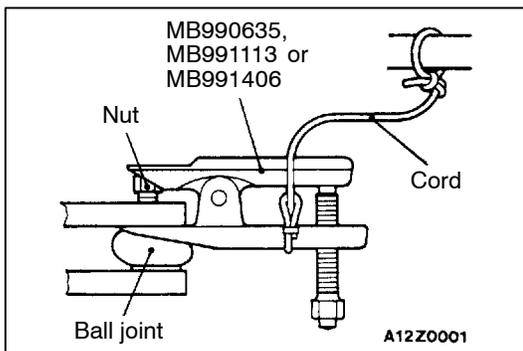


REMOVAL SERVICE POINT

TOE CONTROL ARM DISCONNECTION

Caution

1. Use the special tool to loosen the nut only; do not remove it from the ball joint.
2. Tie the special tool with a cord not to let it fall off.



NOTES