
REAR AXLE

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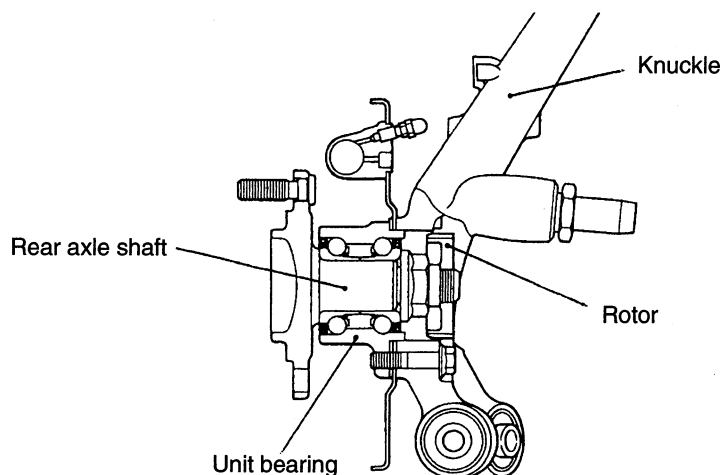


GENERAL INFORMATION

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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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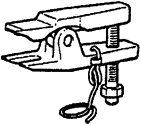
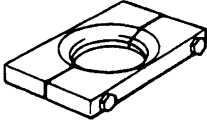
SERVICE SPECIFICATIONS

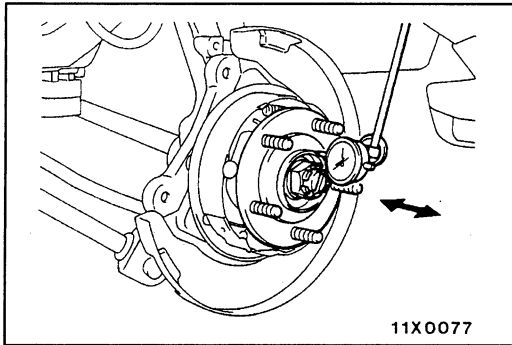
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Items	Limit
Wheel bearing axial play mm	0.05
Wheel bearing rotary-sliding resistance N	18 or less

SPECIAL TOOLS

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Tool	Number	Name	Use
	MB991113	Steering linkage puller	Toe control arm ball joint and knuckle removal
	MB991248	Inner shaft remover	Rotor removal



ON-VEHICLE SERVICE

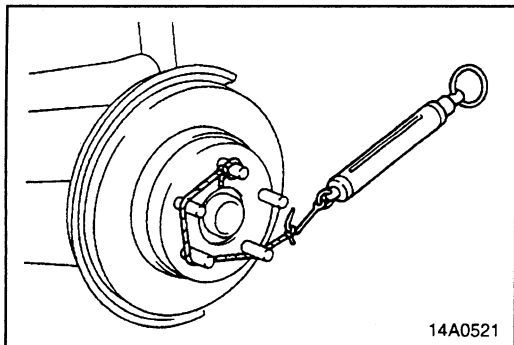
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WHEEL BEARING AXIAL PLAY CHECK

1. Release the parking brake.
2. Remove the caliper assembly and the brake disc.
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.



REAR HUB ROTARY-SLIDING RESISTANCE CHECK

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1. Release the parking brake.
2. Remove the caliper assembly and the brake disc.
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.

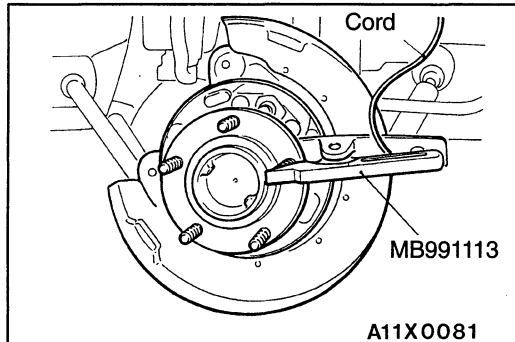
Limit: 18 N or less

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

HUB BOLT REPLACEMENT

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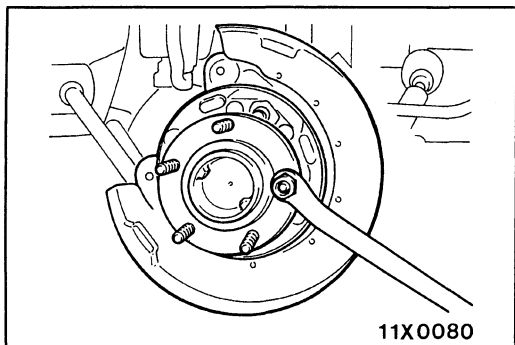
1. Remove the caliper assembly and support it with wire so that it does not fall.
2. Remove the brake disc.
3. Remove the shoe and lining assembly.



4. Pull the hub bolt out using the special tool.

Caution

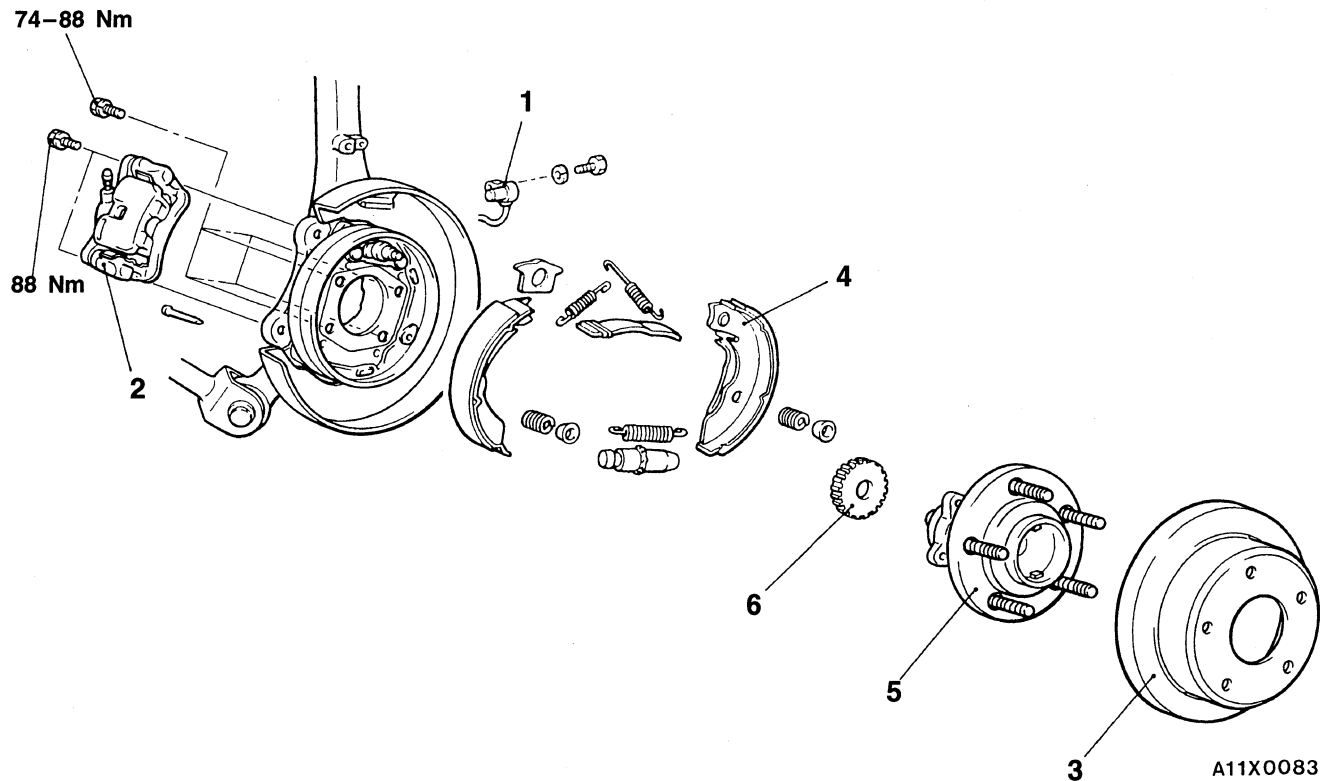
Be sure to tie the cord of the special tool to a nearby part.



5. Use the wheel nuts to securely install the new hub bolts, while being careful of the serrations of the hub bolts and hub.

REAR HUB ASSEMBLY REMOVAL AND INSTALLATION

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Removal steps

1. Rear wheel-speed sensor
(Refer to GROUP 35B)
2. Caliper assembly
3. Brake disc
4. Shoe and lining assembly
(Refer to GROUP 36 – Parking Brake Drum.)
5. Rear hub assembly
6. Rotor

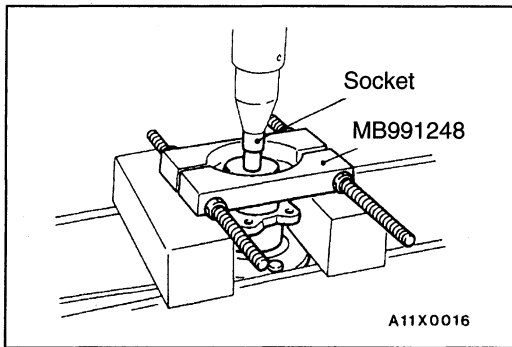
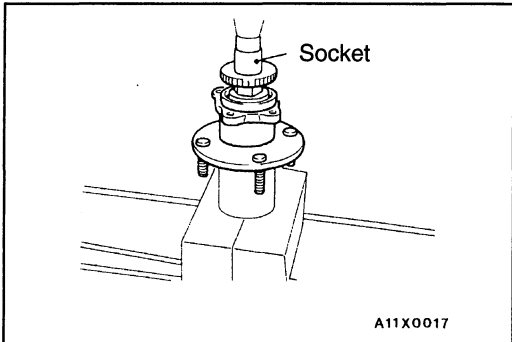
Caution

The rear hub assembly should not be disassembled.

REMOVAL SERVICE POINTS

◀A▶ CALIPER ASSEMBLY REMOVAL

Remove the caliper assembly and suspend it.

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

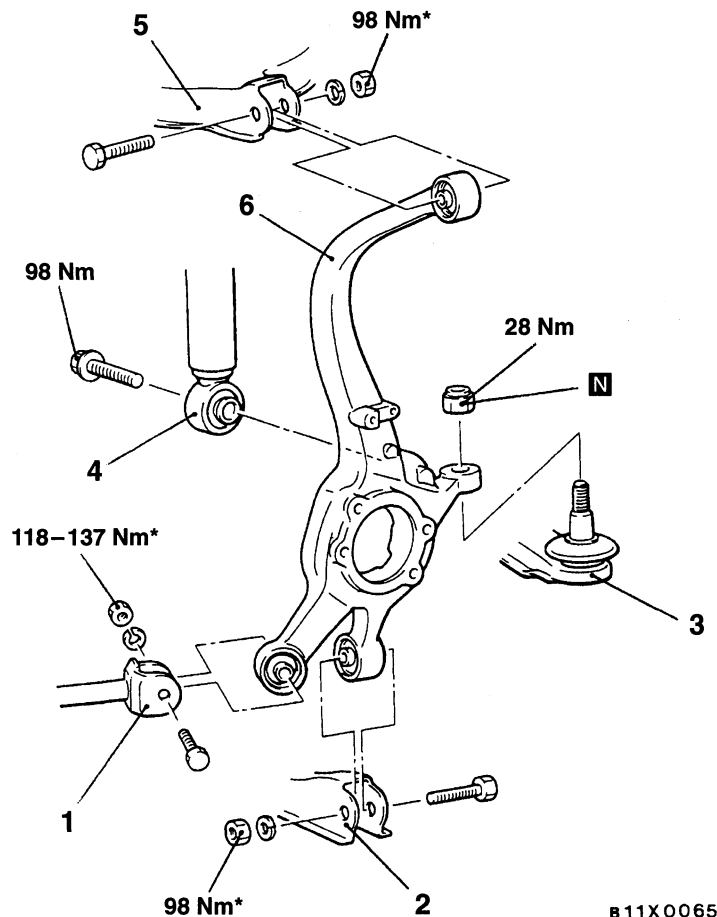
KNUCKLE

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REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- (1) Rear Wheel Speed Sensor Removal and Installation
- (2) Rear Hub Assembly Removal and Installation
(Refer to P.27-5.)

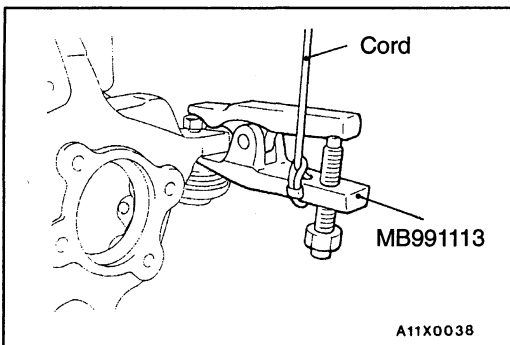


Removal steps

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

Caution

1. Using the special tool, loosen the tie rod end mounting nut. Only loosen the nut; do not remove it from the ball joint.
2. Support the special tool with a cord, etc. to prevent it from coming off.

NOTES