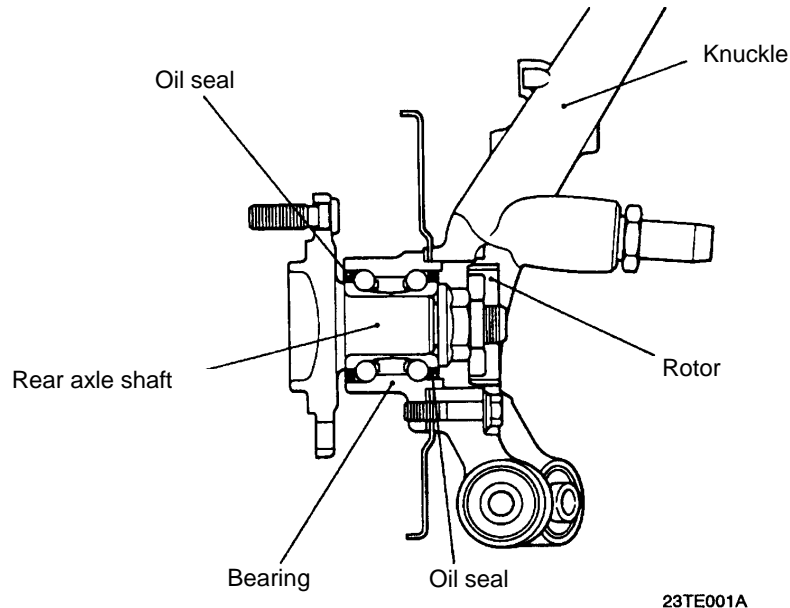


## GENERAL INFORMATION

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. The unit bearing utilises the double row angular con-

tact ball bearing type. For ABS operation, a rotor is located on the rear axle shaft, and a speed sensor is located on the knuckle to detect vehicle speed.

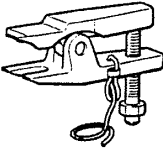
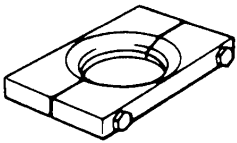
## SECTIONAL VIEW



## SERVICE SPECIFICATIONS

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

## SPECIAL TOOLS

Tool	Tool number and name	Supersession	Application
	MB991113 or MB990635 Steering linkage puller	13-006	Toe control arm ball joint and knuckle removal
	MB991248 Inner shaft remover	–	ABS rotor removal

Main  
Index

27  
Index

27A  
Index

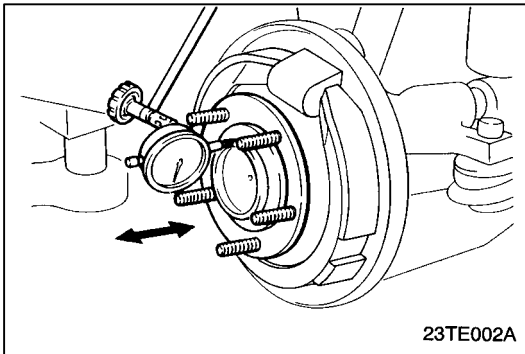
## ON-VEHICLE SERVICE

### HUB AXIAL PLAY CHECK

1. Remove the calliper assembly and the brake disc.
2. Check the hub 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**

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

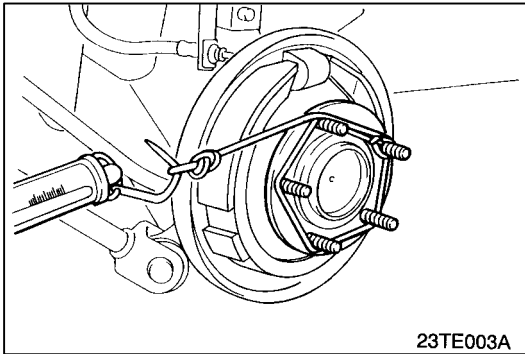


### REAR HUB ROTARY-SLIDING RESISTANCE CHECK

1. Remove the calliper assembly and the brake disc.
2. After turning the hub a few times to seat the bearing, wind a cord 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**

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



## HUB BOLT REPLACEMENT

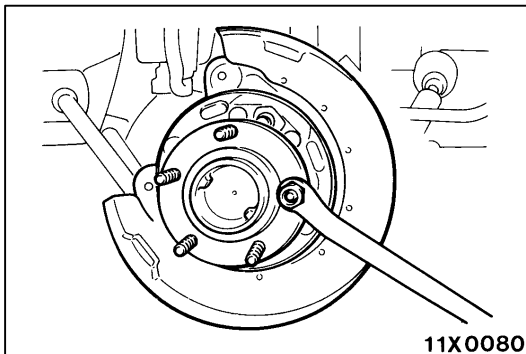
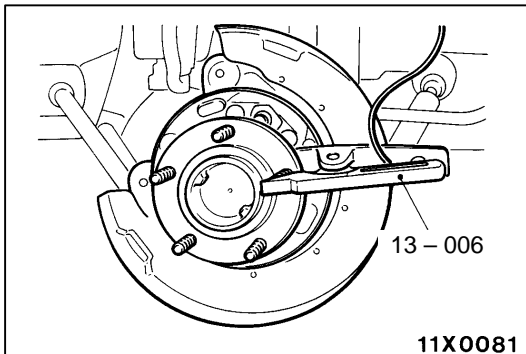
1. Remove the calliper assembly and support it with wire so that it does not fall.
2. Remove the brake disc.
3. Remove the parking brake shoe and lining assembly.

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

### Caution

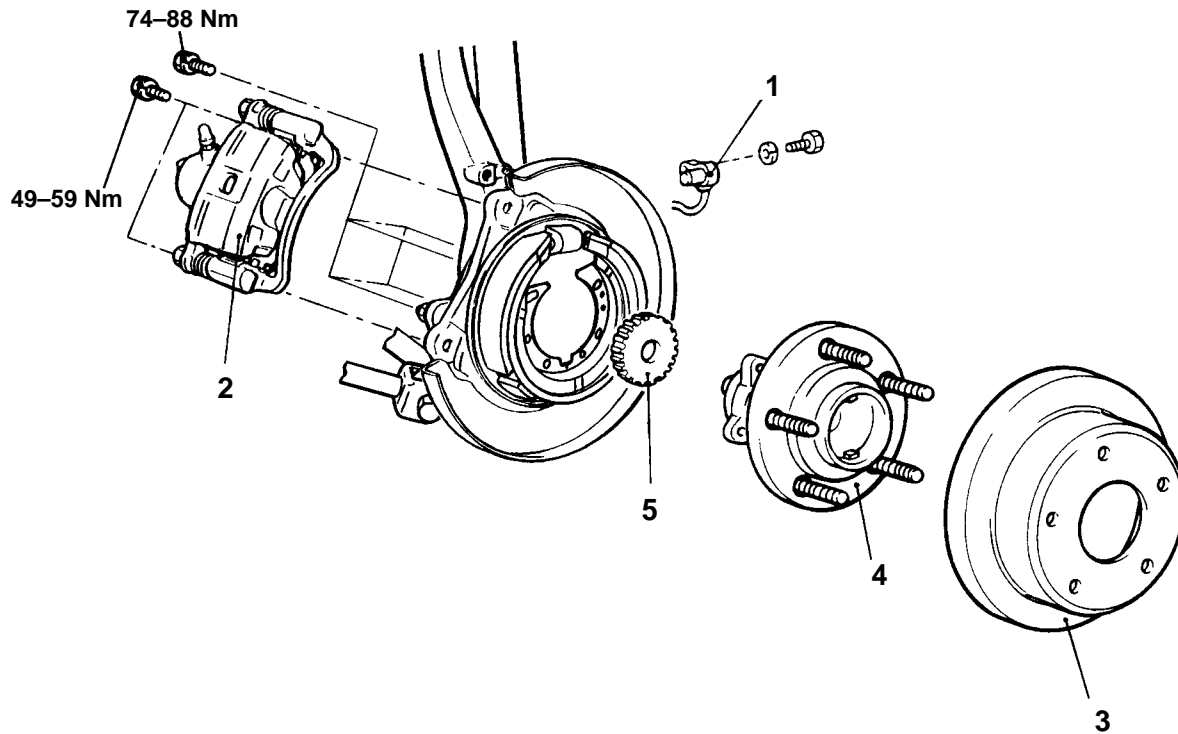
The special tool should be suspended by a cord to prevent it from coming off.

5. Use the wheel nuts to securely install the new hub bolts, ensuring they are seated correctly.



# REAR HUB ASSEMBLY

## REMOVAL AND INSTALLATION

Main  
Index27  
Index27A  
Index

23TE004A

### Removal steps

1. Rear speed sensor (Refer [Group 35B Wheel speed sensor.](#))
2. Calliper assembly
3. Brake disc
4. Rear hub assembly

◀B▶ ▶A▶ 5. Rotor

### Caution

The rear hub assembly should not be disassembled.

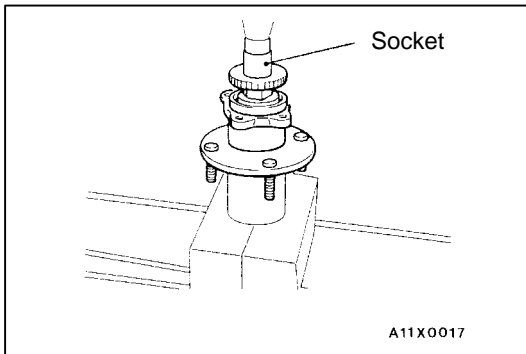
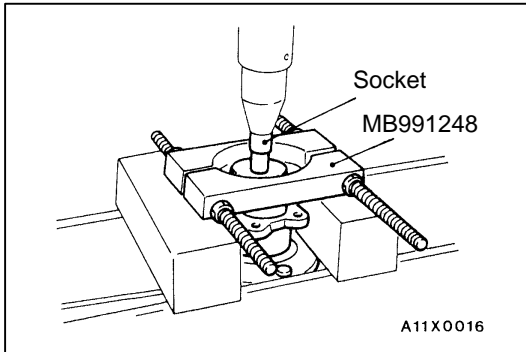
◀A▶

### REMOVAL SERVICE POINTS

#### ◀A▶ CALLIPER ASSEMBLY REMOVAL

Remove the calliper assembly and suspend it with wire to an adjacent part to ensure no load is placed on the brake hose.

#### ◀B▶ ROTOR REMOVAL



### INSTALLATION SERVICE POINT

#### ▶A◀ ROTOR INSTALLATION

#### INSPECTION

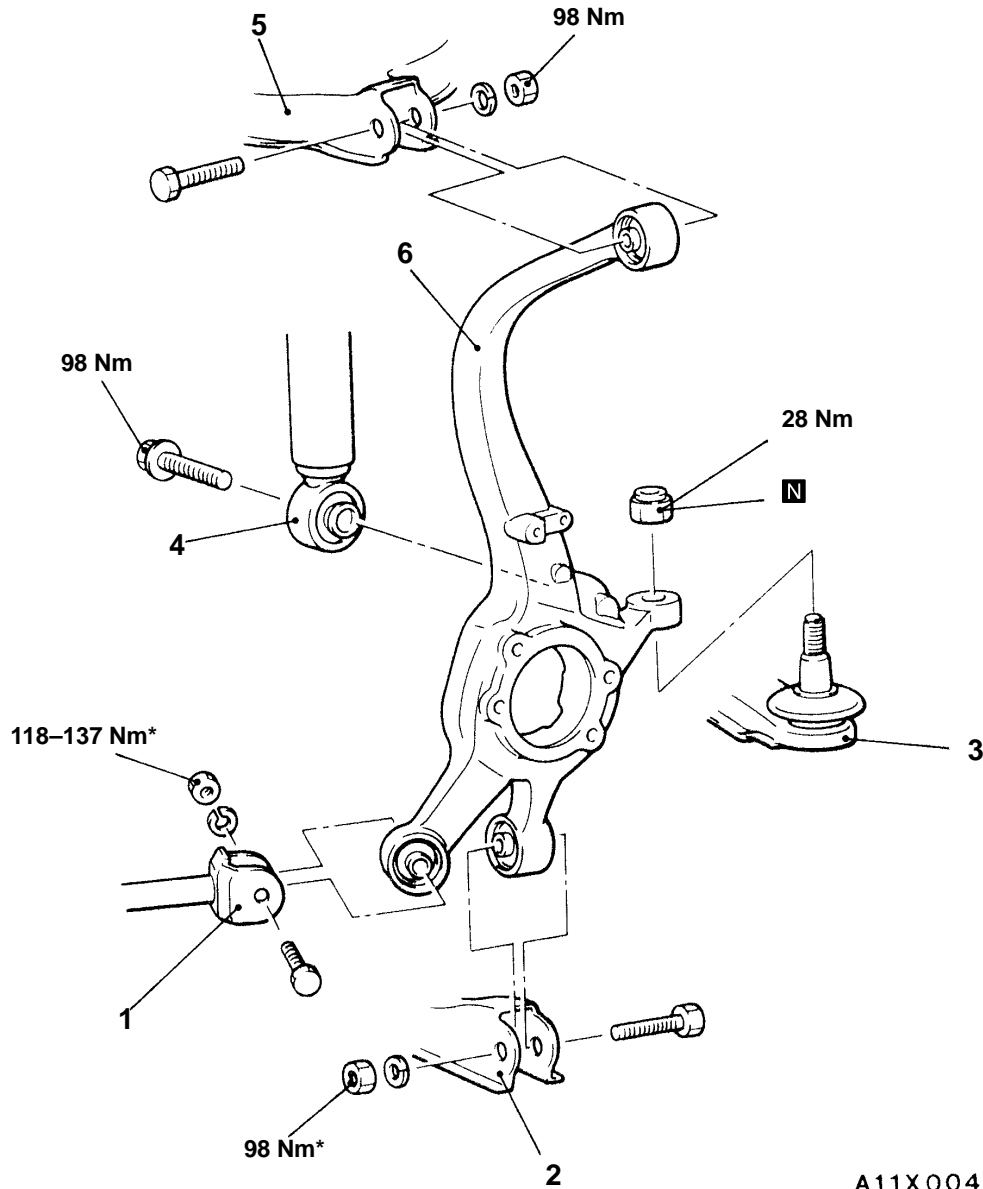
- Check the oil seal for crack or damage.
- Check the rear rotor for chipped teeth.

# **KNUCKLE**

## **REMOVAL AND INSTALLATION**

### **Pre-removal and Post-installation Operation**

- (1) Rear Speed sensor Removal and Installation  
(Refer [GROUP 35B Wheel speed sensor.](#))
- (2) Rear Hub Assembly [Removal and Installation](#)



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### **Removal steps**

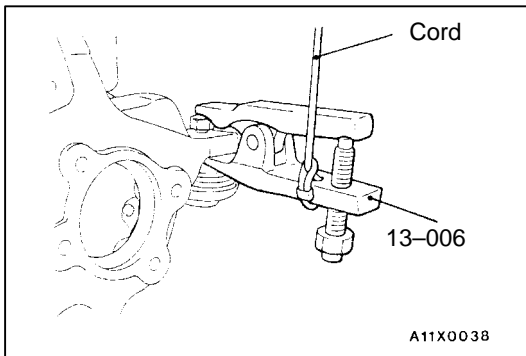
1. Connection for trailing arm
2. Connection for lower arm
3. Connection for toe control arm
4. Connection for shock absorber
5. Connection for upper arm

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

### ◀A▶ TOE CONTROL ARM REMOVAL

#### Caution

1. Be sure to tie the cord of the special tool to the nearby part.
2. Loosen the nut but do not remove it.

Main  
Index

27  
Index

27A  
Index