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# REAR SUSPENSION

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## GENERAL INFORMATION

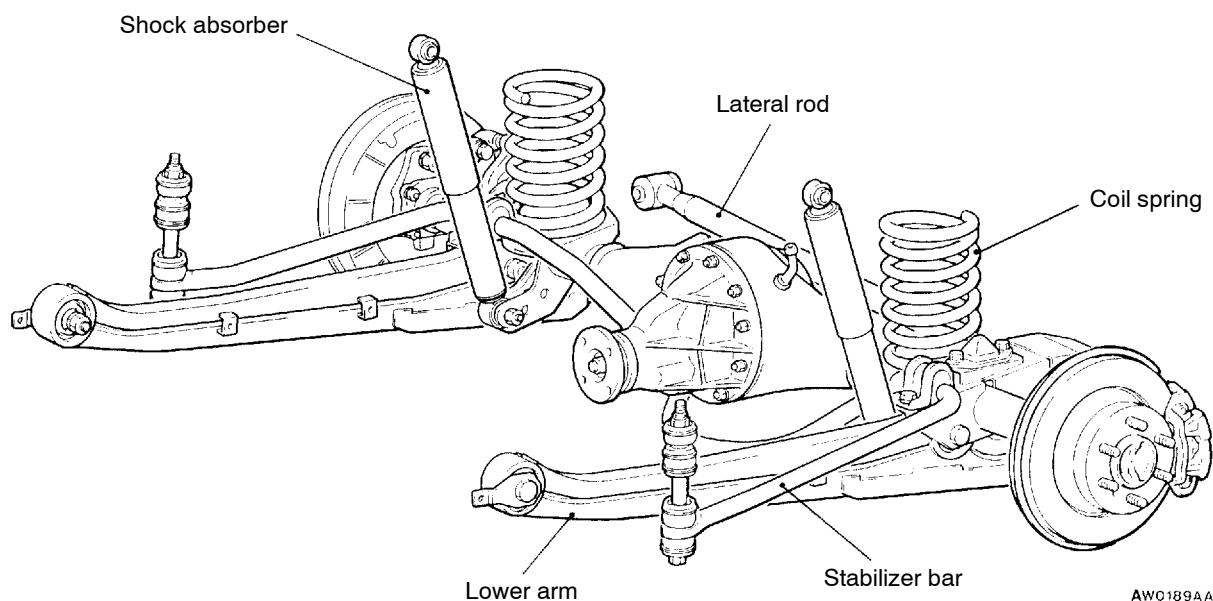
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The rear suspension is the 3 link coil spring type axle suspension, which assures comfortable ride and outstanding steering stability.

### COIL SPRING

Items	Specifications
Wire dia. x O.D. free length mm	13 x 159 x 366

### CONSTRUCTION DIAGRAM



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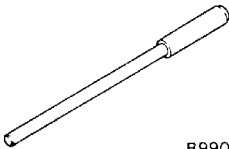
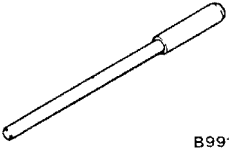
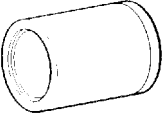
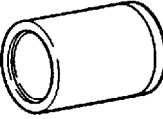
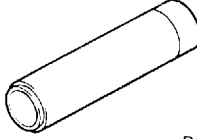
## SERVICE SPECIFICATIONS

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Items	Standard value
Toe-in mm	0 (Non adjustable)
Camber	0° (Non adjustable)
Protrusion amount of stabilizer bar mounting bolt mm	15 – 17

# SPECIAL TOOLS

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Tool	Number	Name	Use
 B990650	MB990650	Lower arm bushing arbor	<ul style="list-style-type: none"> <li>• Lateral rod bushing removal and installation</li> <li>• Lateral rod removal and press fitting</li> </ul>
 B991318	MB991318	Lower arm bushing arbor	<ul style="list-style-type: none"> <li>• Lower arm rear bushing removal and press fitting</li> <li>• Lower arm bushing removal and press fitting</li> </ul>
	MB990971	Rear wheel bearing and installer joint	
	MB990891	Bushings remover and installer base	
 B991411	MB991411	Rear wheel bearing and hub installer joint	

## ON-VEHICLE SERVICE

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### REAR WHEEL ALIGNMENT

The rear suspension assembly must be free of worn, loose or damaged parts prior to measurement of rear wheel alignment.

#### Standard value:

**Toe-in 0 mm**

**Camber 0°**

#### NOTE

Toe-in and camber are set at the factory and cannot be adjusted. If toe-in or camber is not within the standard value, check or replace bent or damaged parts.

## LOWER ARM

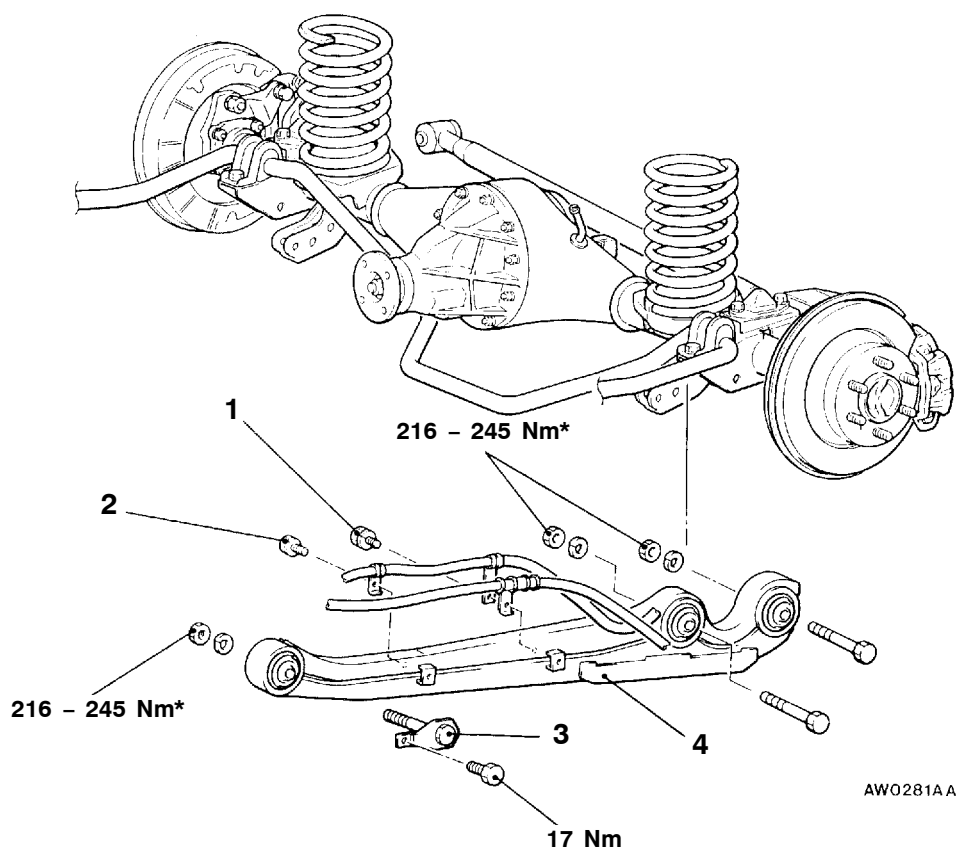
### REMOVAL AND INSTALLATION

#### Caution

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

#### Pre-removal Operation

- Support the axle housing with a jack



#### Removal steps

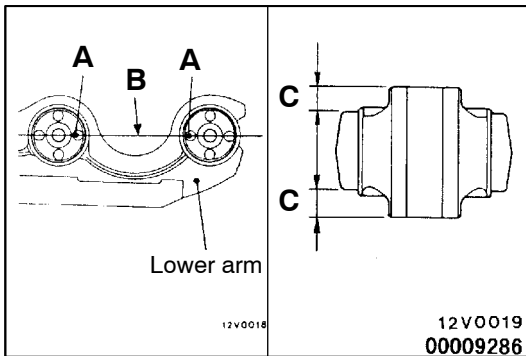
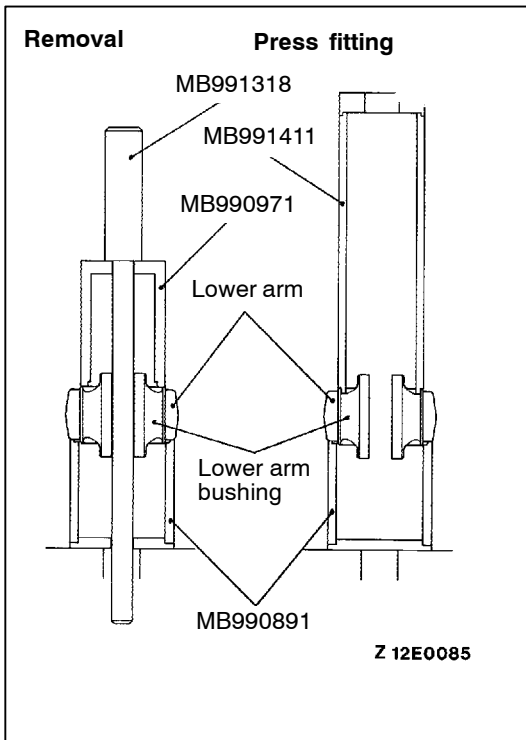
1. Parking brake attaching bolt
2. Speed sensor attaching bolt  
<Vehicle with ABS>

3. Bolt assembly
4. Lower arm

# LOWER ARM BUSHING REPLACEMENT

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1. Use the special tools and the press to drive out and press fit the lower arm bushing.



2. Position the lower arm rear bushing holes A as shown in the illustration to align the holes A and line B, and then use the special tools to press the lower arm rear bushings into the lower arm. Equalize the protrusion amounts (dimensions C) of lower arm rear bushing.

## SHOCK ABSORBER AND LATERAL ROD

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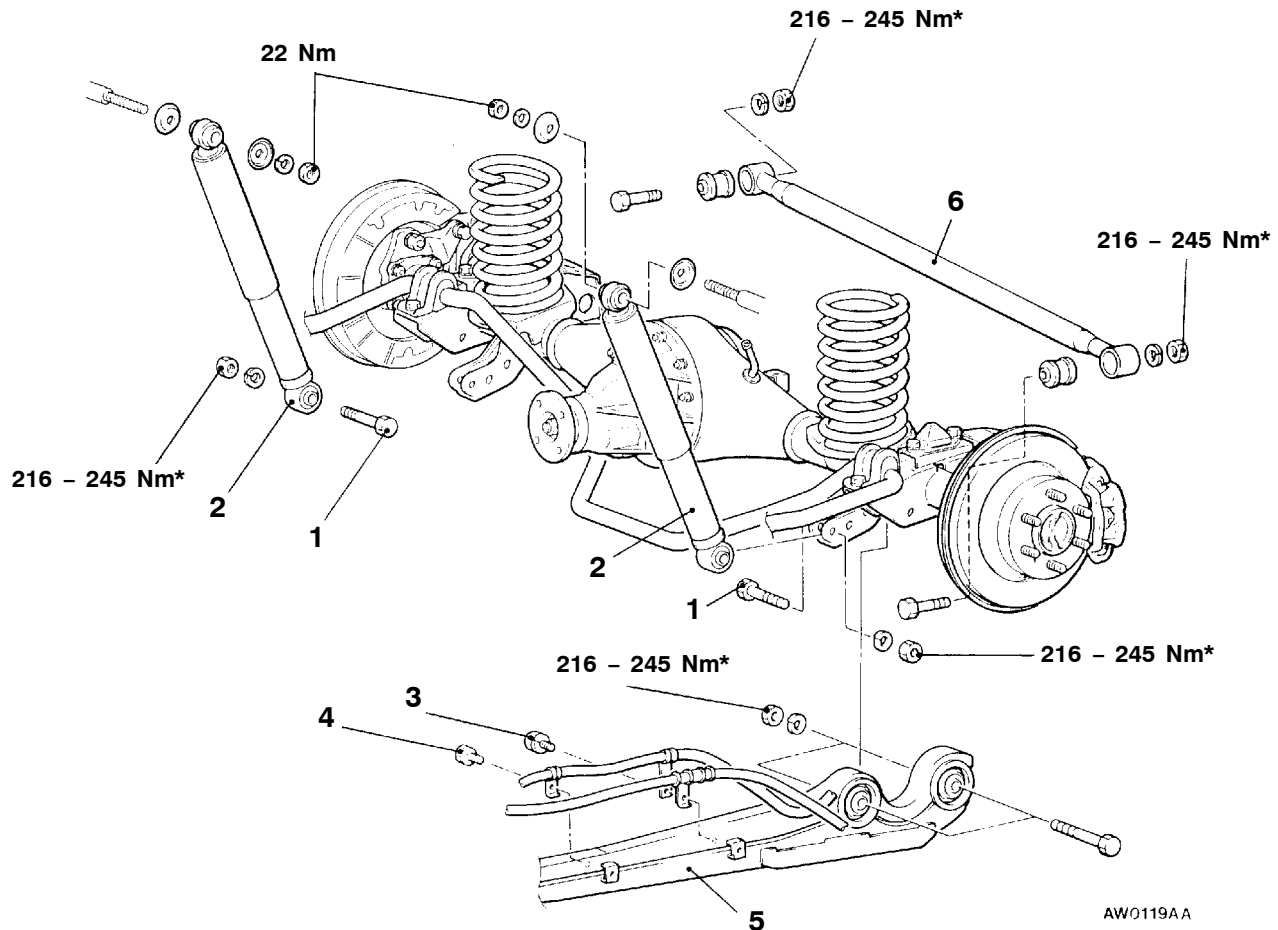
## REMOVAL AND INSTALLATION

## Caution

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

## Pre-removal Operation

- Support the axle housing with a jack

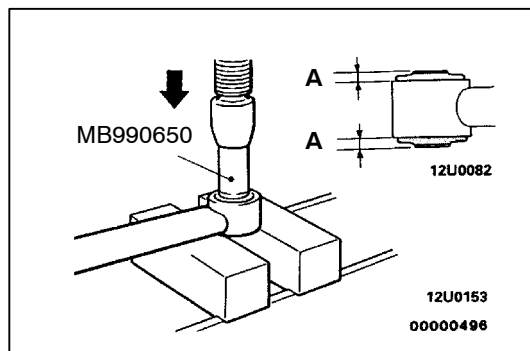


## Shock absorber removal steps

1. Shock absorber mounting bolt
2. Shock absorber

## Lateral rod removal steps

3. Parking brake cable attaching bolt (L.H.)
4. Speed sensor attaching bolt (L.H.)  
<Vehicles with ABS>
5. Lower arm (L.H.)
6. Lateral rod



## LATERAL ROD BUSHING REPLACEMENT

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1. Use the special tool to drive out and press in the lateral rod bushing.
2. Install the bushing so that the projection length (A) is uniform.

# COIL SPRING AND AXLE BUMPER

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## REMOVAL AND INSTALLATION

### Caution

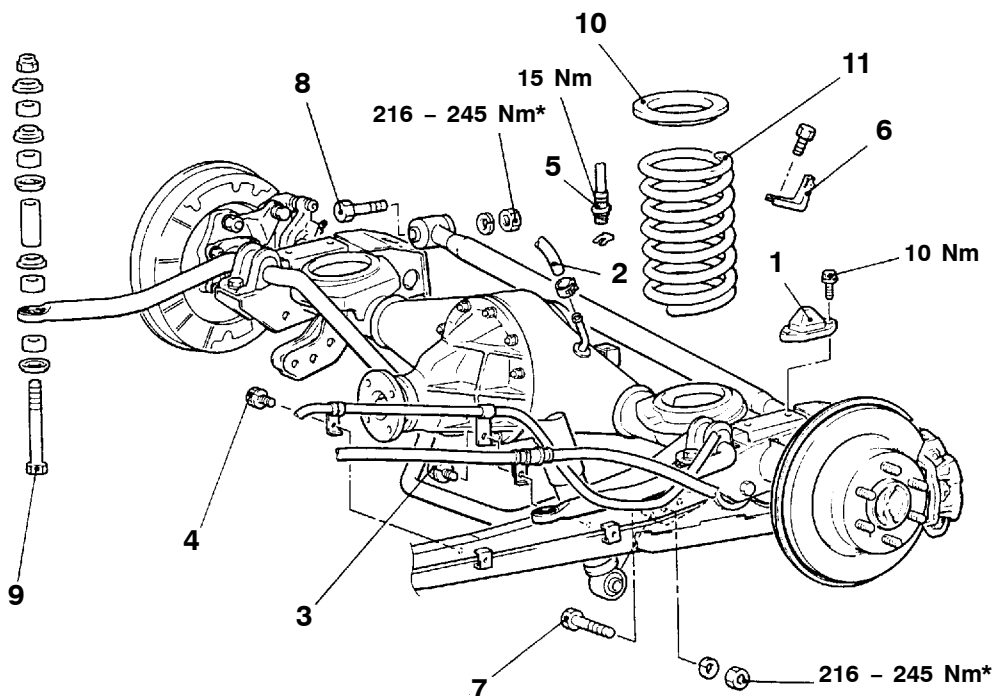
\*: Indicates parts which should be temporarily tightened, and then fully tightened with the vehicles on the ground in the unladen condition.

#### Pre-removal Operation

- Support the axle housing with a jack

#### Post-installation Operation

- Brake Fluid Filling and air bleeding (Refer to GROUP 35A – On-vehicle Service.)



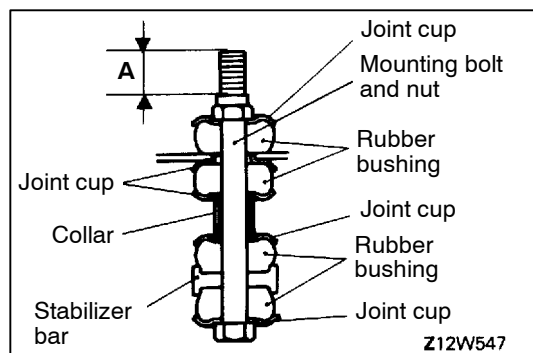
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#### 1. Rear axle bumper

#### Coil spring removal steps

- Breather hose
- Parking brake cable attaching bolt
- Speed sensor attaching bolt  
<Vehicle with ABS>
- Brake hose connection
- Spring support

- Shock absorber mounting bolt (lower side only)
- Lateral rod mounting bolt (vehicle side only)
- Stabilizer bar mounting bolt
- Rear spring pad
- Coil spring



## INSTALLATION SERVICE POINT

### ▶A◀ STABILIZER BAR MOUNTING BOLT INSTALLATION

- To install the stabilizer, assemble the joint cups and rubber bushings by the order and the specified direction as shown in the figure.
- Install the nut on the stabilizer bar mounting bolt to the specified dimensions.

Standard value (A): 15 - 17 mm

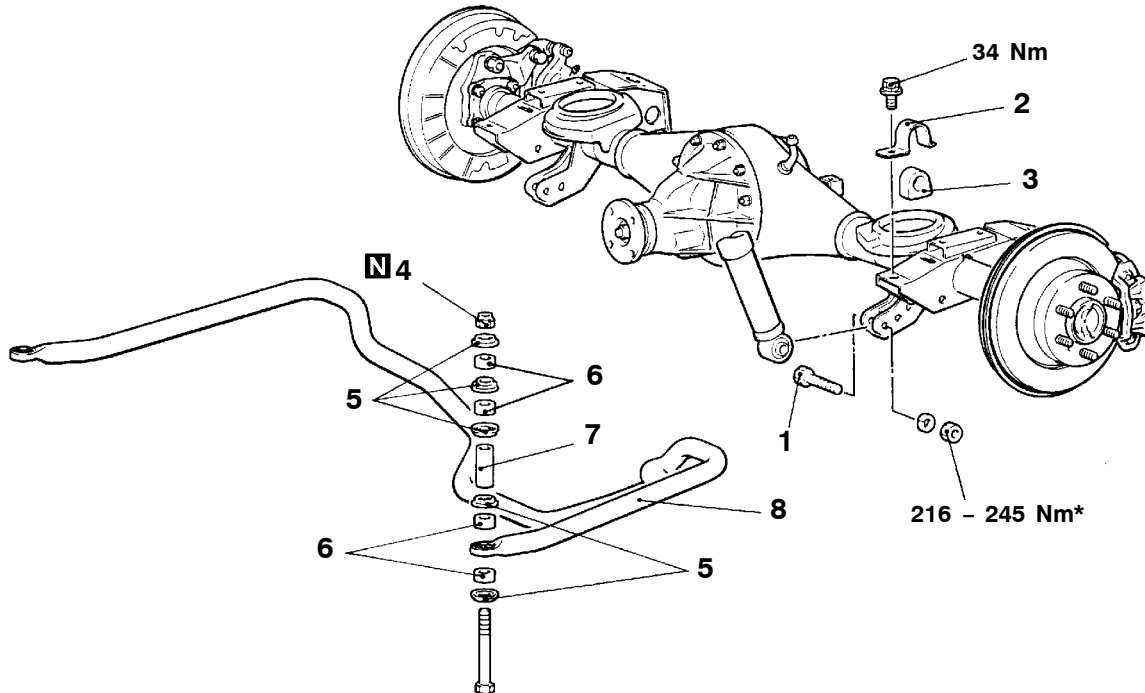
# STABILIZER BAR

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## REMOVAL AND INSTALLATION

### Caution

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

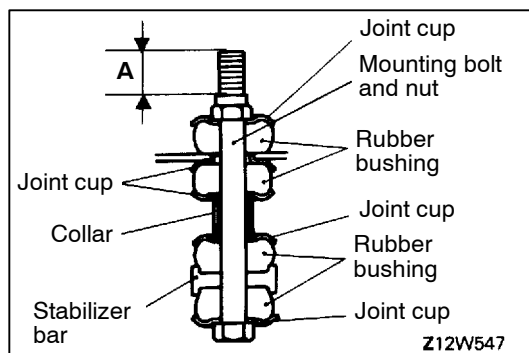


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### Removal steps

1. Shock absorber mounting bolt (lower side only)
2. Bracket
3. Bushing
- ▶◀ 4. Stabilizer bar mounting bolt and nut

5. Joint cup
6. Rubber bushing
7. Collar
8. Stabilizer bar



### INSTALLATION SERVICE POINT

#### ▶◀ STABILIZER BAR MOUNTING BOLT AND NUT INSTALLATION

1. To install the stabilizer bar, assembly the joint cups and rubber bushings by the order and specified direction as shown in the figure.
2. Install the nut on the stabilizer bar mounting bolt to the specified dimensions.

**Standard value (A): 15 - 17 mm**