

SECTION 33

FRONT SUSPENSION

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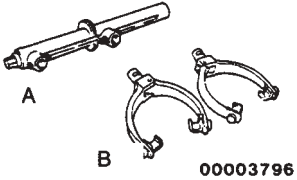
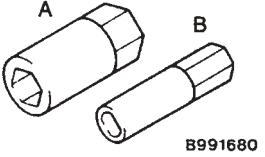
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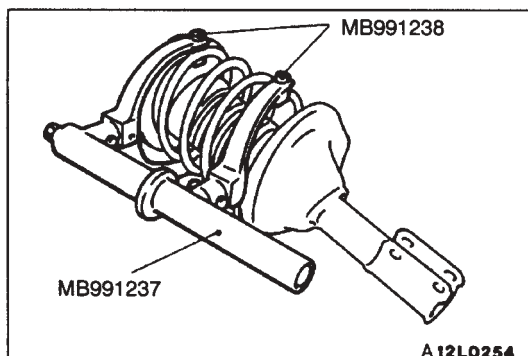
General

The guidelines for the dismantling and assembly of the front suspension have been changed due to changes made to the shape of the Bilstein shock absorbers.

Special tools

Tool	Number	Name	Function
	A: MB991237 B: MB991238	A. Spring compressor body B. Arm set	Dismantling and assembling the strut ASSY
	MB991680 A: MB991681 B: MB991682	Wrench set A. Wrench B. Socket	

Strut ASSY



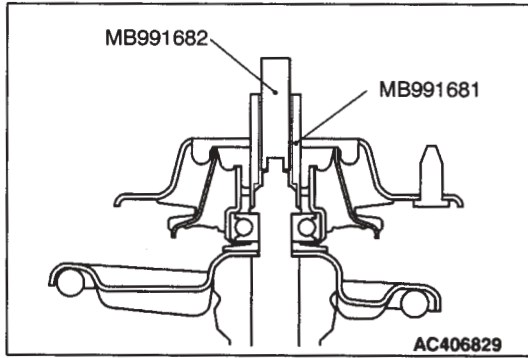
Dismantling guidelines

◀ A ▶ Removal of the self-locking nut

1. Use the following special tools to compress the coil spring.
 - Spring compressor body (MB991237)
 - Arm set (MB991238)

Caution

- (1) In order to completely compress the coil spring, ensure that the special tool is fixed when at its greatest possible extension and that it is fixed evenly to the coil spring.
- (2) Do not use an impact wrench, because there is a danger that the special tool may be damaged.



2. Use the following tools to loosen the self-locking nut.

- Wrench (MB991681)
- Socket (MB991682)

Caution

Do not use an impact wrench when loosening the self-locking nut, because there is a danger that the lock nut on the piston rod inside the strut, may work loose.

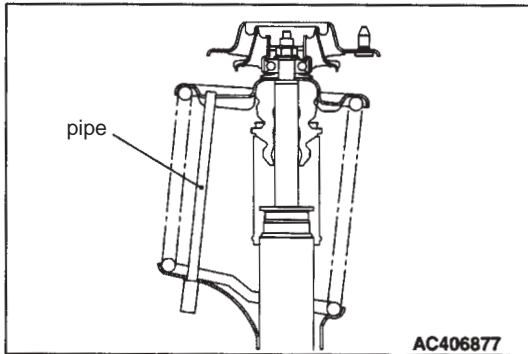
Assembly guidelines

▶ A ◀ **Fitting the self-locking nut**

1. Check that the bearing has completely slotted in.
2. When the coil spring has been compressed using the special tool, provisionally tighten the self-locking nut.

Caution

Do not use an impact wrench because there is a danger that the special tool may be damaged.

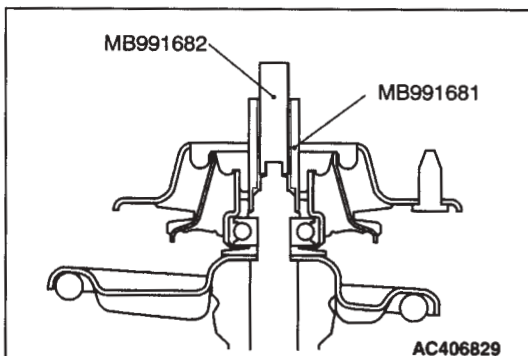


3. Align the holes in the lower spring plate and the upper spring plate of the strut ASSY.

Note

This operation can be easily performed by using a pipe to align the holes.

4. Line up the two ends of the coil spring with the slots in the spring plate, and loosen the special tool.



5. Use the following special tools to tighten the self-locking nut to the specified tightening torque.

- Wrench (MB991681)
- Socket (MB991682)

Tightening torque: 60 ± 10 N·m

Caution

Do not use an impact wrench when loosening the self-locking nut, because there is a danger that the lock nut on the piston rod inside the strut, may work loose.