
POWER PLANT MOUNT

CONTENTS

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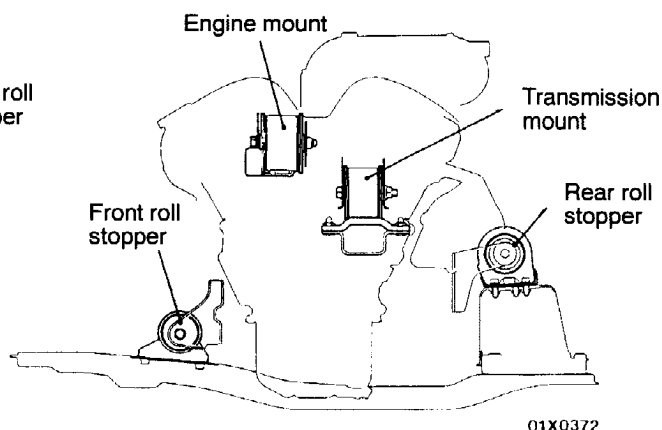
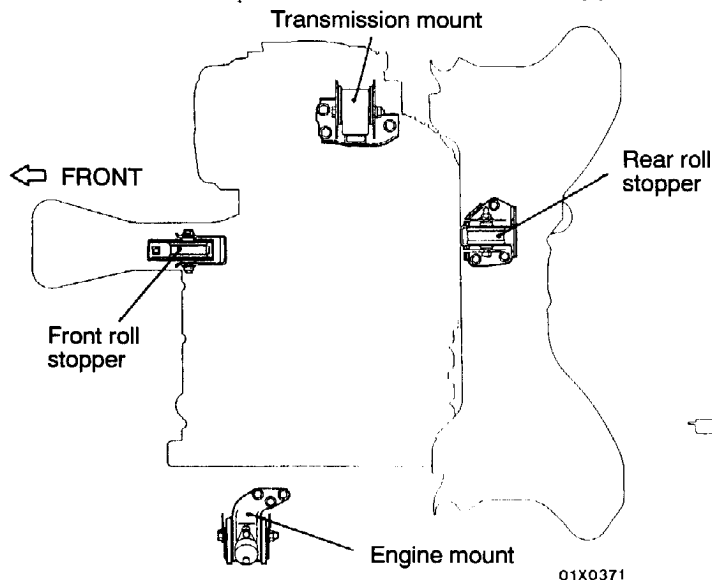
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GENERAL INFORMATION

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The engine-transmission mount is of an inertial axis supporting type whose excellent features have already been proven in many Mitsubishi vehicles. The inertial axis supporting type mount supports

the front upper part of the engine at the front and the rear upper part of the transmission at the rear. This arrangement effectively suppresses the engine vibration.



SERVICE SPECIFICATIONS

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Items		Standard value
Installation dimension of front roll stopper bracket assembly mm		43±3
Crossmember	Bushing (A) projection mm	9.0±1.0
	Bushing (B) projection mm	4.0±1.0
	Bushing (C) projection mm	4.0±0.5

SPECIAL TOOLS

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Tool	Number	Name	Use
	MB991045	Bushing remover and installer	Driving out and press-fitting of crossmember bushings A and B
	MB990828	Bushing remover and installer	Driving out and press-fitting of crossmember bushing C
	GENERAL SERVICE TOOL MZ203827	Engine lifter	To support the engine assembly during removal and installation of the transmission mounting and the centermember

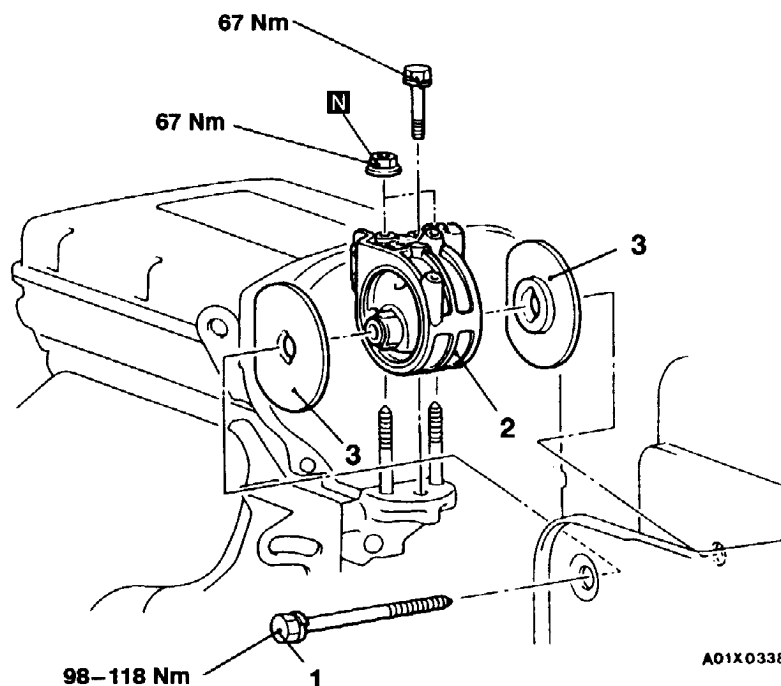
ENGINE MOUNTING

REMOVAL AND INSTALLATION

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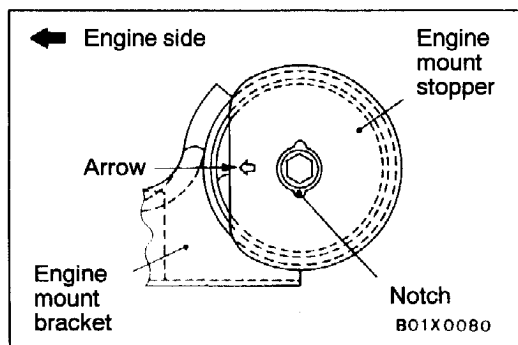
Pre-removal Operation

- Jack up the Engine and Transmission Assembly Until There is no Weight on the Engine Mount Bracket Insulator.



Removal steps

1. Engine mount insulator mounting bolt
2. Engine mount bracket
3. Engine mount stopper



INSTALLATION SERVICE POINT

▶◀ ENGINE MOUNT STOPPER INSTALLATION

Align the notches on the stopper with the transmission mount bracket with the arrow mark facing towards the shown direction. Then install the stopper.

INSPECTION

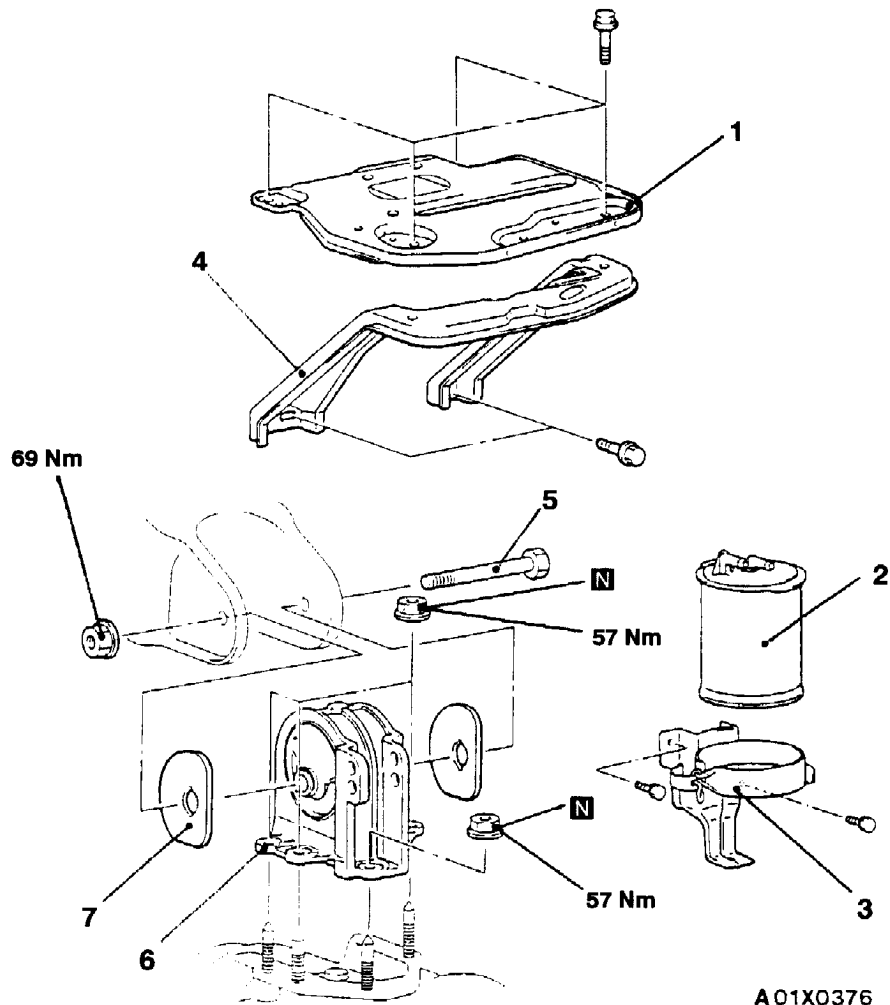
- Check each insulator for cracks or damage.
- Check each bracket for deformations or damage.

TRANSMISSION MOUNTING

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Air Cleaner Assembly and Air Intake Hose Removal and Installation
- Battery Removal and Installation
- Engine Roll Stopper and Centermember Removal and Installation
(Refer to P.32-6.)



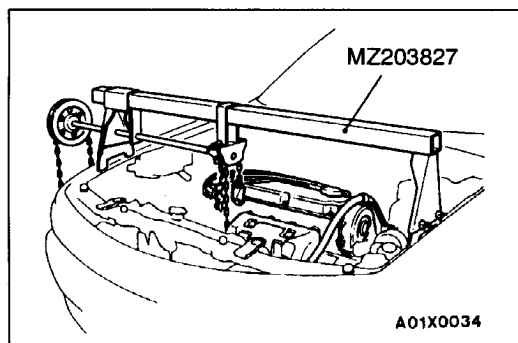
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Removal steps

1. Battery bracket
2. Canister (Refer to GROUP 17 – Emission Control System.)
3. Canister holder assembly (Refer to GROUP 17 – Emission Control System.)



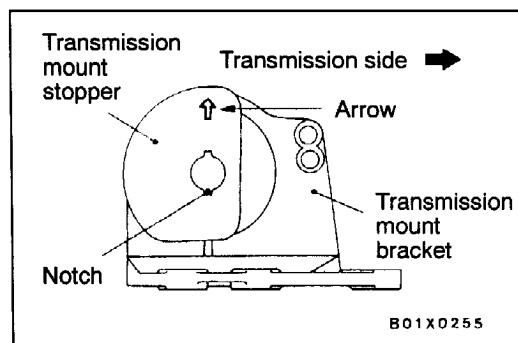
4. Battery stay
5. Transmission mount insulator mounting bolt
6. Transmission mount bracket
7. Transmission mount stopper



REMOVAL SERVICE POINT

◀A▶ TRANSMISSION MOUNT BRACKET REMOVAL

Slightly lower the transmission, and then remove the transmission mount bracket.



INSTALLATION SERVICE POINT

▶A◀ TRANSMISSION MOUNT STOPPER INSTALLATION

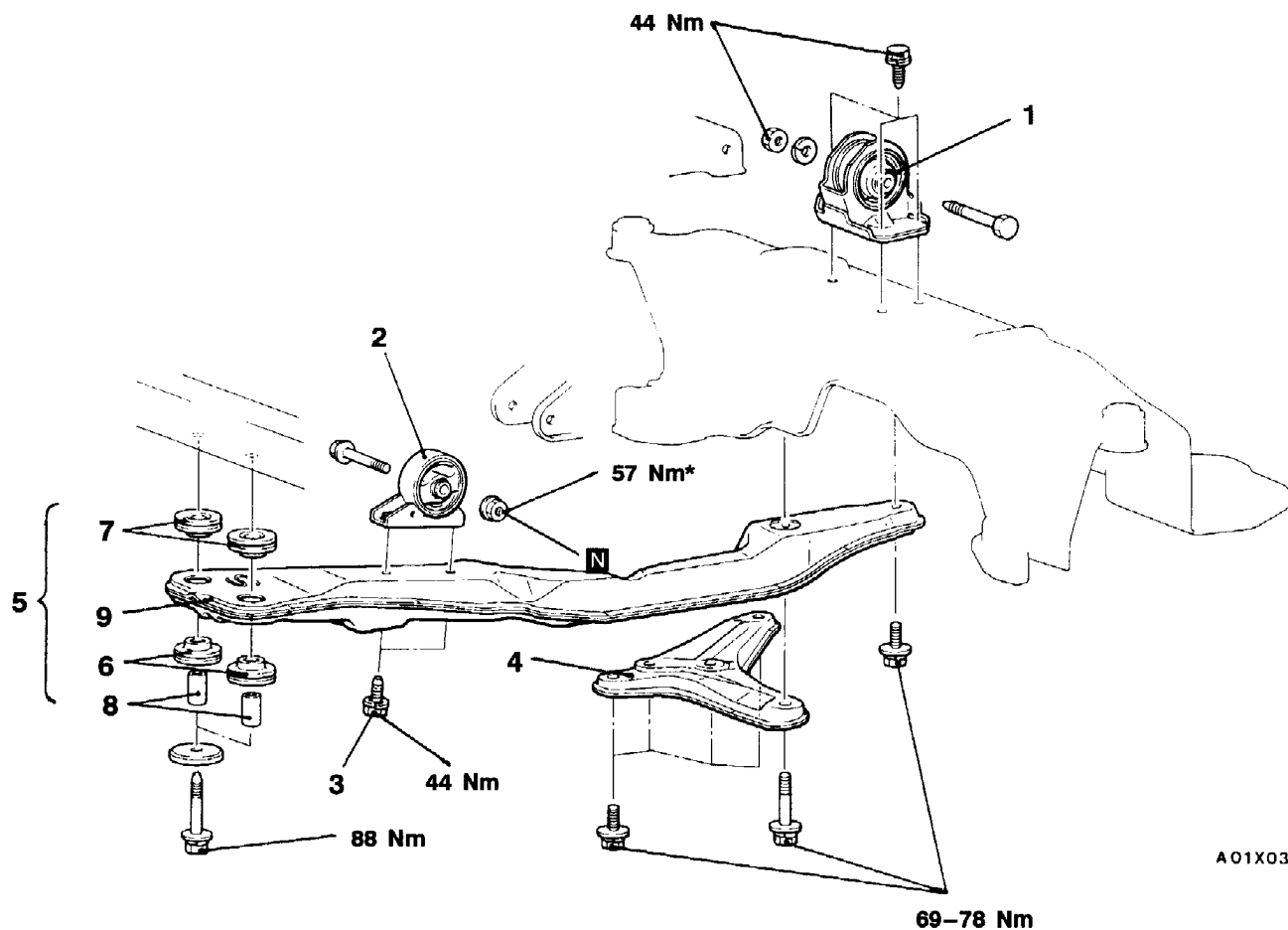
Align the notches on the stopper with the transmission mount bracket with the arrow mark facing towards the shown direction. Then install the stopper.

INSPECTION

- Check each insulator for cracks or damage.
- Check each bracket for deformation or damage.

ENGINE ROLL STOPPER, CENTERMEMBER REMOVAL AND INSTALLATION

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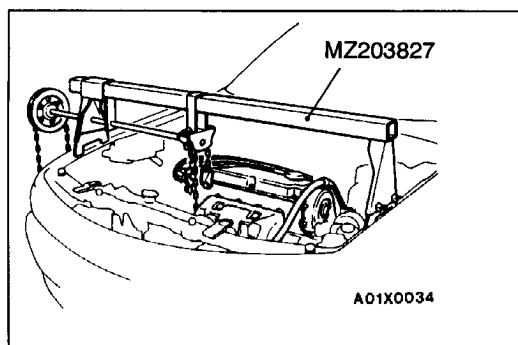
- A◄
1. Rear roll stopper bracket assembly
 2. Front roll stopper bracket assembly

Centermember removal steps

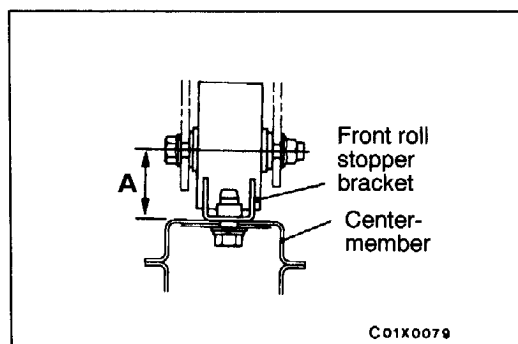
3. Bolts
4. Stay
5. Centermember assembly
6. Bushing (lower)
7. Bushing (upper)
8. Collar
9. Centermember

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▶ CENTERMEMBER ASSEMBLY REMOVAL**

- (1) Set the special tool to the vehicle to support the engine assembly.
- (2) Remove the centermember assembly.

**INSTALLATION SERVICE POINT****▶A◀ FRONT ROLL STOPPER BRACKET ASSEMBLY INSTALLATION**

If the dimension shown in the illustration is outside the standard value when the weight of the engine is on the body, replace the front roll stopper bracket assembly.

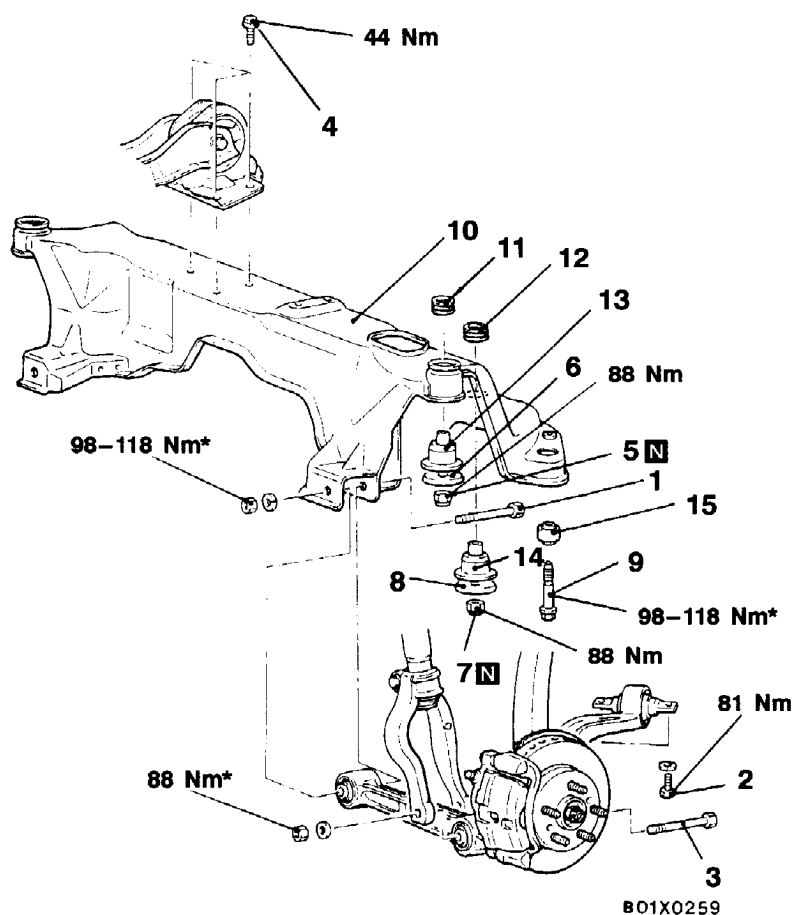
Standard value (A) : 43 ± 3 mm

CROSSMEMBER

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- (1) Power Steering Fluid Draining and Supplying (Refer to GROUP 37A – On-vehicle Service.)
- (2) Centermember Removal and Installation (Refer to P.32-6.)
- (3) Front Exhaust Pipe Removal and Installation (Refer to GROUP 15.)
- (4) Stabilizer Bar Removal and Installation (Refer to GROUP 33A.)
- (5) Steering Gear Box Removal and Installation (Refer to GROUP 37A.)

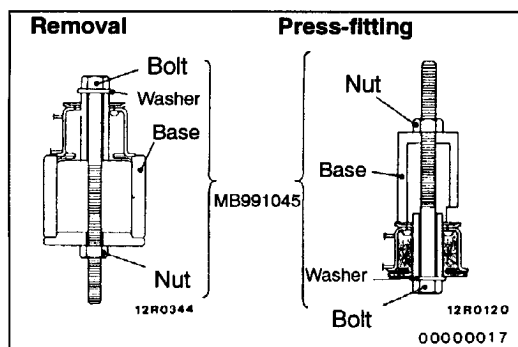
**Crossmember removal steps**

1. Lateral lower arm mounting bolts
2. Compression lower arm mounting bolts
3. Shock absorber lower mounting bolts
4. Rear roll stopper bracket attachment bolts
5. Crossmember self-locking nuts
6. Lower plates
7. Crossmember self-locking nuts
8. Lower plates
9. Crossmember attachment bolts

10. Crossmember
11. Stopper B
12. Stopper A
13. Bushing B
14. Bushing A
15. Bushing C

Caution

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

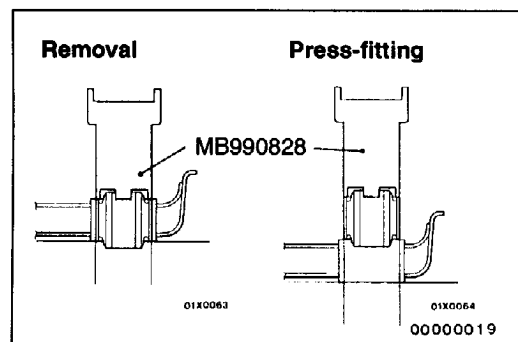
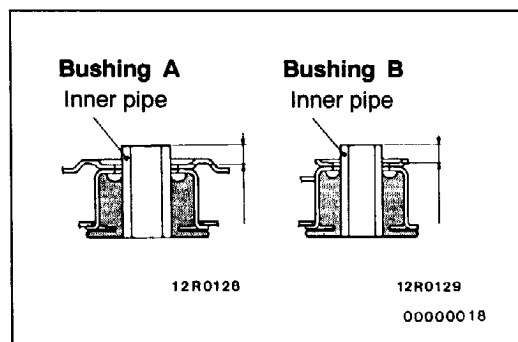
**CROSSMEMBER BUSHING REPLACEMENT**

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CROSSMEMBER BUSHING A AND B

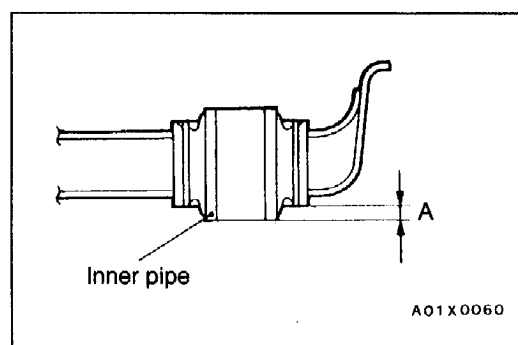
- (1) Apply soapy water to the contact surface of the bushing when press-fitting the bushing.

- (2) The bushing should be press-fitted so that the inner pipe projection is at the standard length.

Standard values**Bushing A:** 9.0 ± 1.0 mm**Bushing B:** 4.0 ± 1.0 mm**CROSSMEMBER BUSHING C**

- (1) Use the special tool to drive out and press-fit the cross-member bushing C.

- (2) The bushing should be press-fitted so that the inner pipe projection is at the standard length.

Standard value (A): 4.0 ± 0.5 mm

NOTES