

POWER PLANT MOUNT

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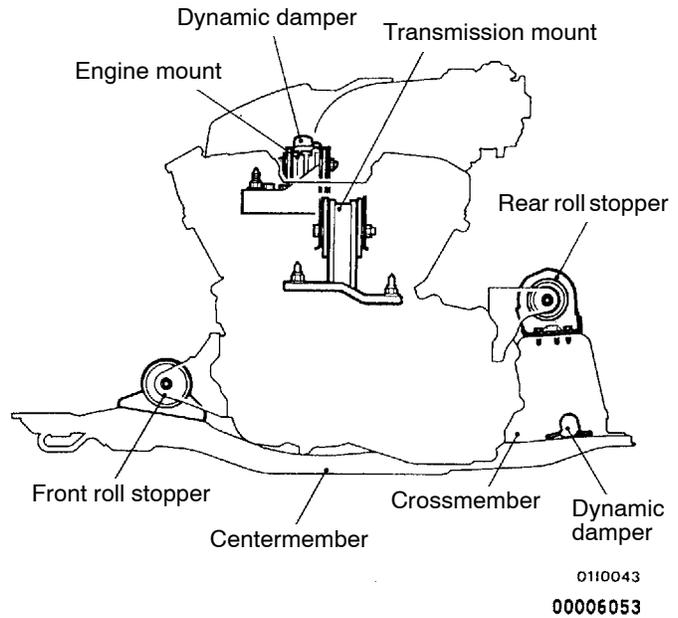
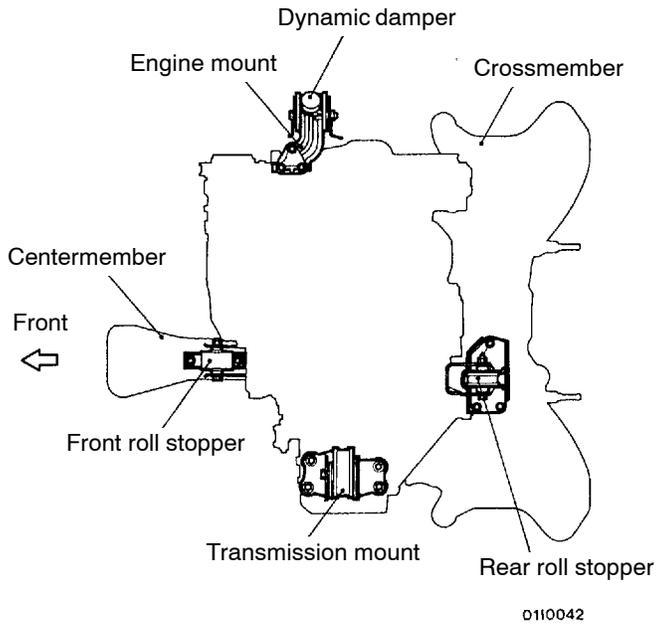


GENERAL INFORMATION

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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.



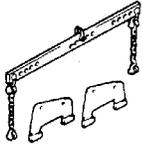
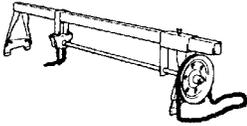
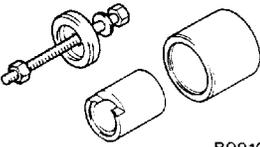
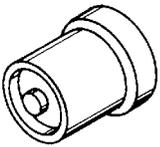
SERVICE SPECIFICATIONS

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Items		Standard value
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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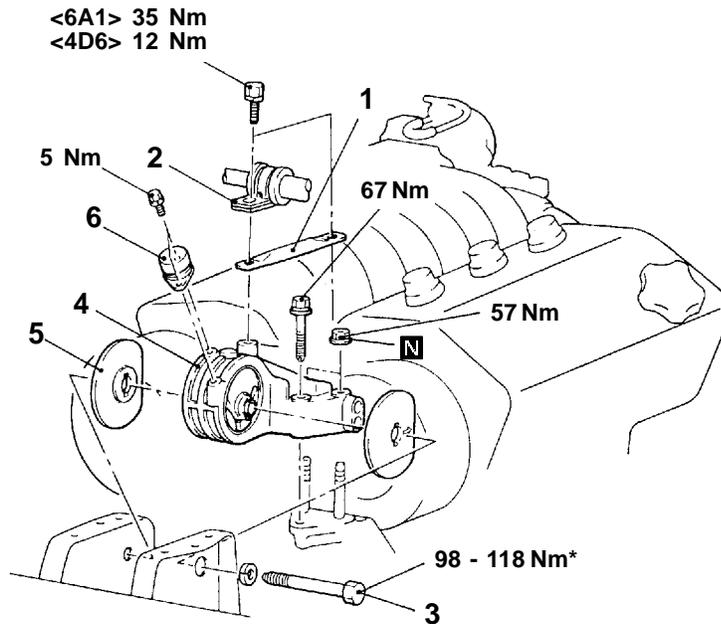
Tool	Number	Name	Use
 <p>B991453</p>	MB991453	Engine hanger	To support the engine assembly during removal and installation of the transmission mount
 <p>Z203827</p>	GENERAL SERVICE TOOL MZ203827	Engine lifter	
 <p>B991045</p>	MB991045	Bushings remover and installer	Driving out and press-fitting of crossmember bushings A and B
	MB990828	Bushings remover and installer	Driving out and press-fitting of crossmember bushing C

ENGINE MOUNTING

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Jack Up the Engine and Transmission Assembly Until There is no Weight on the Engine Mount Bracket Insulator.
- Reserve Tank Removal and Installation (Refer to GROUP 14)
- Engine Cover Removal and Installation <6A1>



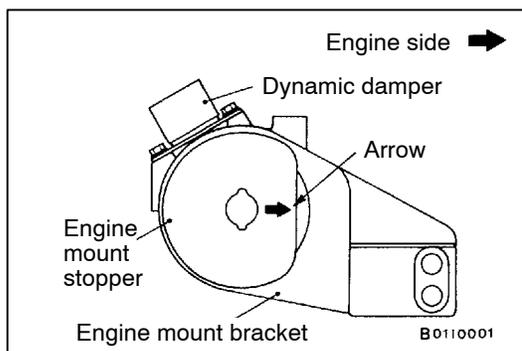
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Removal steps

1. Engine mount stay <6A1>
2. Power steering hose bracket <4D6>
3. Engine mount insulator mounting bolt
4. Engine mount bracket
5. Engine mount stopper
6. Dynamic damper

**Caution**

Mounting locations marked by * should be provisionally tightened, and then fully tightened after placing the vehicle horizontally and loading the full weight of the engine on the vehicle body.

**INSTALLATION SERVICE POINT****▶◀ ENGINE MOUNT STOPPER INSTALLATION**

Clamp the engine mount stopper so that the arrow points in the direction as shown in the diagram.

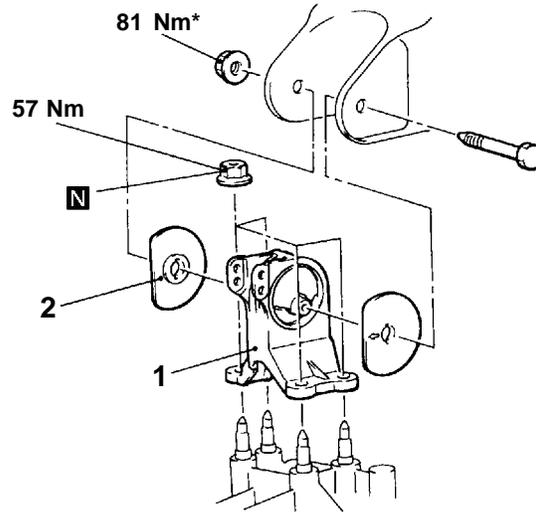
TRANSMISSION MOUNTING

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REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Air Cleaner Assembly Removal and Installation (Refer to GROUP 14.)
- Battery and Battery Tray Removal and Installation
- Centermember Removal and Installation
- Transmission and Rear Roll Stopper Connecting Bolt Removal and Installation (Refer to P.32-6.)
- Rear Roll Stopper Bracket Removal and Installation (Refer to GROUP 22, 23 - Transmission Assembly)



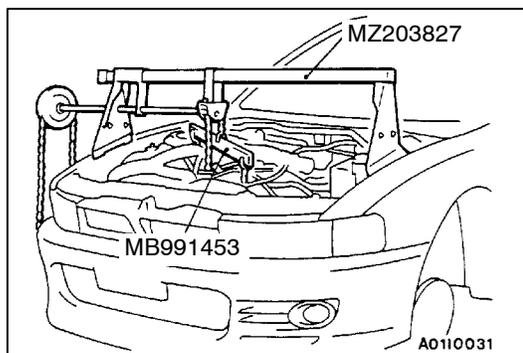
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Removal steps

- ◀A▶ 1. Transmission mount bracket
▶A◀ 2. Transmission mount stopper

Caution

Mounting locations marked by * should be provisionally tightened, and then fully tightened after placing the vehicle horizontally and loading the full weight of the engine on the vehicle body.



REMOVAL SERVICE POINT

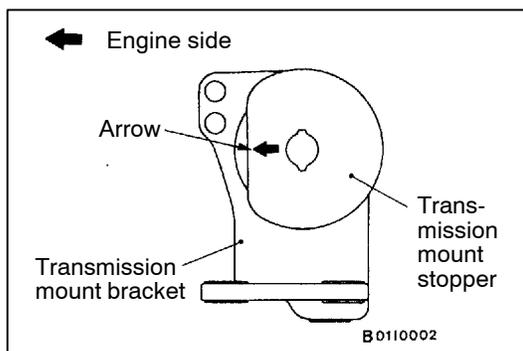
◀A▶ TRANSMISSION MOUNT BRACKET REMOVAL

- (1) Install the special tool to the vehicle body to support the engine and transmission assembly.
- (2) Remove the centermember and rear roll stopper bracket.
- (3) Remove the bolt and nut of the transmission mount bracket.
- (4) After lowering the engine and transmission assembly, remove the transmission mount bracket.

INSTALLATION SERVICE POINT

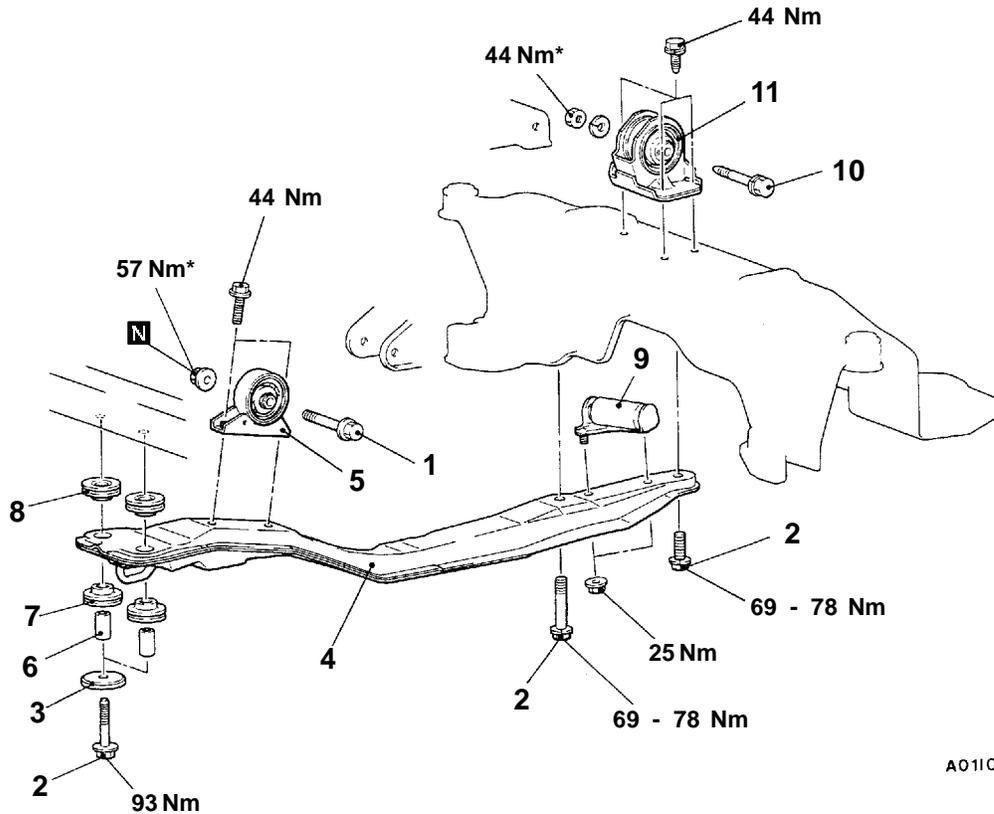
▶A◀ TRANSMISSION MOUNT STOPPER INSTALLATION

Clamp the transmission mount stopper so that the arrow points in the direction as shown in the diagram.



ENGINE ROLL STOPPER, CENTERMEMBER

REMOVAL AND INSTALLATION



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Front roll stopper, centermember removal steps

1. Transmission and front roll stopper connecting bolt
2. Centermember mounting bolts
3. Stopper
4. Centermember
5. Front roll stopper
6. Collar
7. Bushing (lower)
8. Bushing (upper)
9. Dynamic damper <4G6, 4D6>



Rear roll stopper removal steps

10. Transmission and rear roll stopper connecting bolt
11. Rear roll stopper

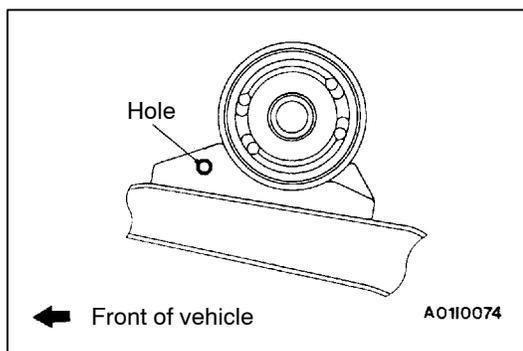
Caution

Mounting locations marked by * should be provisionally tightened, and then fully tightened after placing the vehicle horizontally and loading the full weight of the engine on the vehicle body.

INSTALLATION SERVICE POINT

▶A◀ FRONT ROLL STOPPER INSTALLATION

Install so that the hole in the front roll stopper is facing towards the front of the vehicle.



CROSSMEMBER

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REMOVAL AND INSTALLATION

CAUTION: SRS

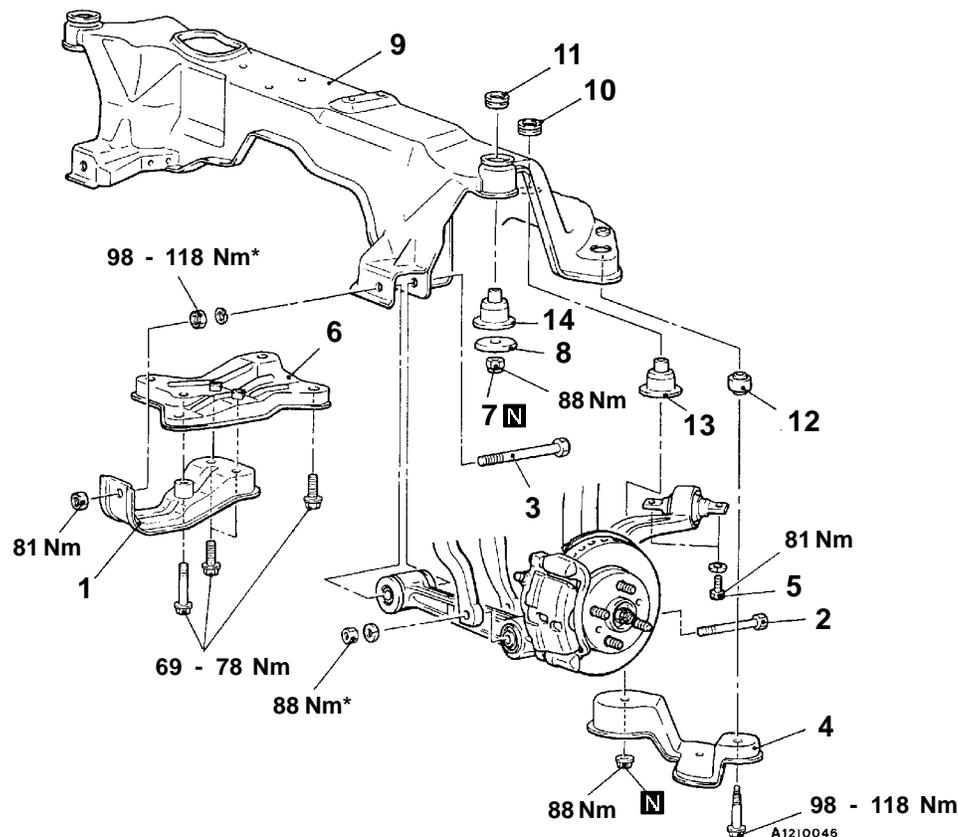
For vehicles with SRS, before removal of steering gear box, refer to GROUP 52B, centre front wheels and remove ignition key. Failure to do so may damage SRS clock spring and render SRS system inoperative, risking serious driver injury.

Pre-removal Operation

- Power Steering Fluid Draining (Refer to GROUP 37A - On-vehicle Service.)
- Centermember Removal (Refer to P.32-6.)
- Front Exhaust Pipe Removal (Refer to GROUP 15.)
- Stabilizer Bar Removal (Refer to GROUP 33A.)
- Rear Roll Stopper Removal (Refer to P.32-6.)

Post-installation Operation

- Rear Roll Stopper Installation (Refer to P.32-6.)
- Stabilizer Bar Installation (Refer to GROUP 33A.)
- Front Exhaust Pipe Installation (Refer to GROUP 15.)
- Centermember Installation (Refer to P.32-6.)
- Power Steering Fluid Supplying and Bleeding (Refer to GROUP 37A - On-vehicle Service.)
- Steering Wheel Straight Ahead Position Checking
- Wheel Alignment Check and Adjustment (Refer to GROUP 33A - On-vehicle Service.)

**Removal steps**

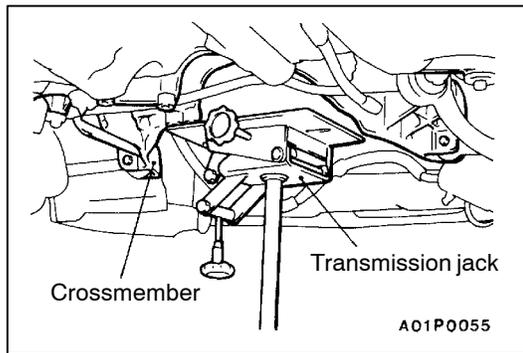
1. No. 2 stay
2. Lateral lower arm and damper fork connection
3. Lateral lower arm and crossmember connection
4. No. 3 stay
5. Compression lower arm mounting bolts
6. No. 1 stay
 - Power steering gear box (Refer to GROUP 37A.)
7. Crossmember mounting nut

8. Lower plate
9. Crossmember
10. Stopper A
11. Stopper B
12. Bushing C
13. Bushing A
14. Bushing B

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▶ NO.3 STAY REMOVAL

Hold the crossmember with a transmission jack, and remove No.3 stay.

CROSSMEMBER BUSHING REPLACEMENT

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CROSSMEMBER BUSHINGS A AND B

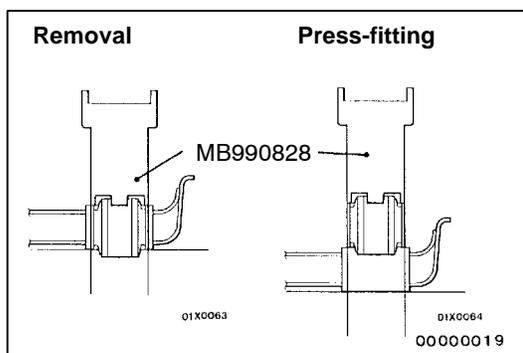
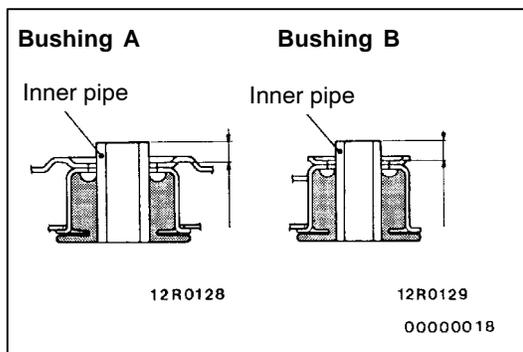
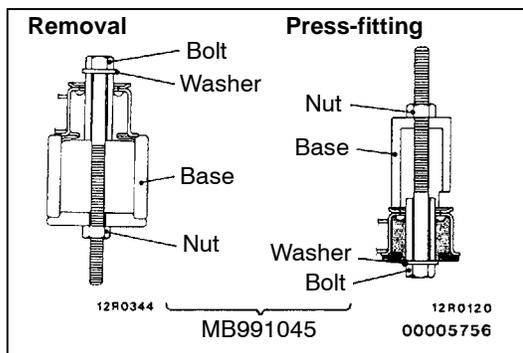
(1) Apply soapy water to the contact surface of the bushing when press-fitted the bushing.

(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 crossmember 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

