
POWER PLANT MOUNT

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GENERAL INFORMATION

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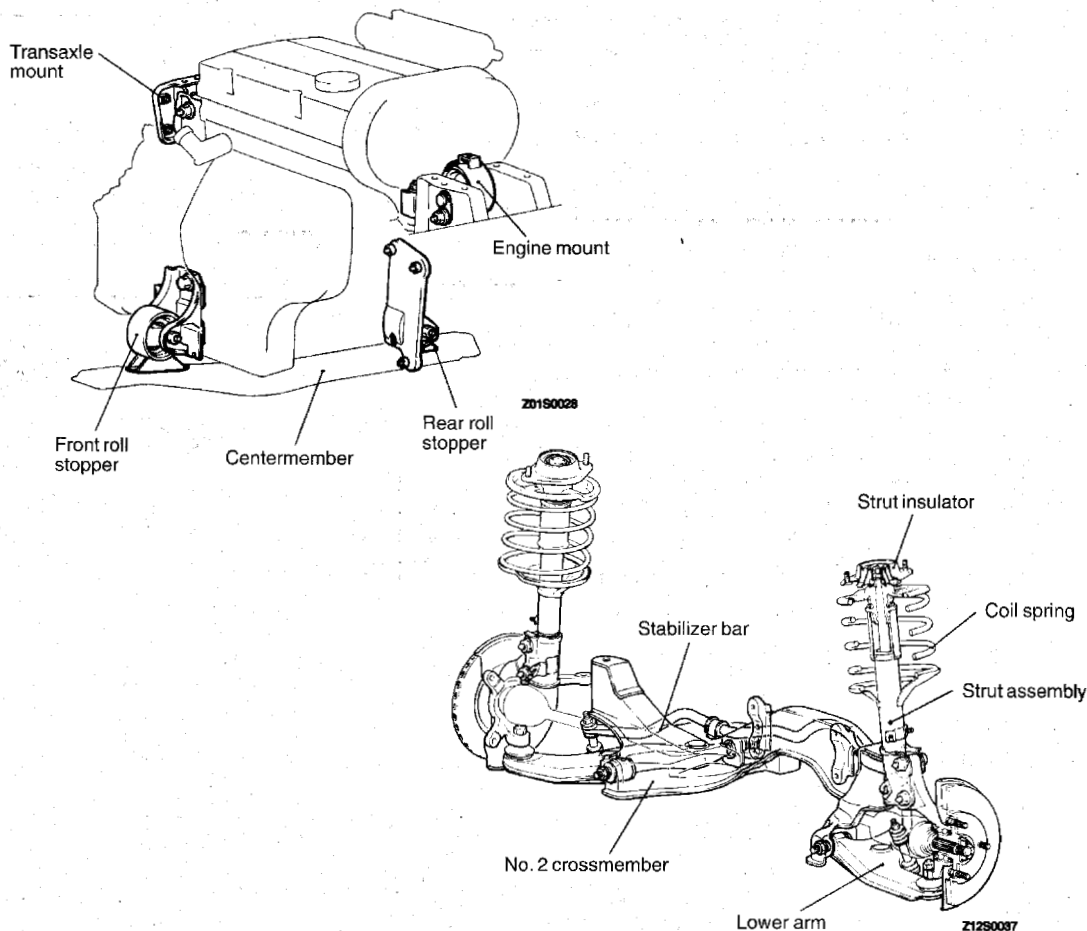
The engine-transaxle mount is of an inertial axis supporting type. The inertial axis supporting type mount supports the front upper part of the engine at the front and the rear upper part of the transaxle at the rear. This arrangement effectively suppresses the engine vibration.

The centermember is bolted to the body and No. 2 crossmember, supporting the front and rear roll stopper bracket.

The No. 2 crossmember is bolted to the body, supporting the lower arm, steering gear box assembly, stabilizer bar, and centermember.

CONSTRUCTION DIAGRAM

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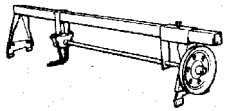
SERVICE SPECIFICATIONS

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Items	Standard value
Amount of protrusion of stabilizer bar installation bolt mm (in.)	22 (.87)

SPECIAL TOOL

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Tool	Tool number and name	Supersession	Application
	GENERAL SERVICE TOOL MZ203827 Engine lifter	General service tool	To support the engine assembly during removal and installation of the centermember

TROUBLESHOOTING

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Symptom	Probable cause	Remedy
Excessive engine wobble or vibration (with engine in normal condition)	Cracked rubber parts of insulator	Replace
	Insufficiently tightened parts	Retighten
Abnormal noise	Insufficiently tightened parts	Retighten

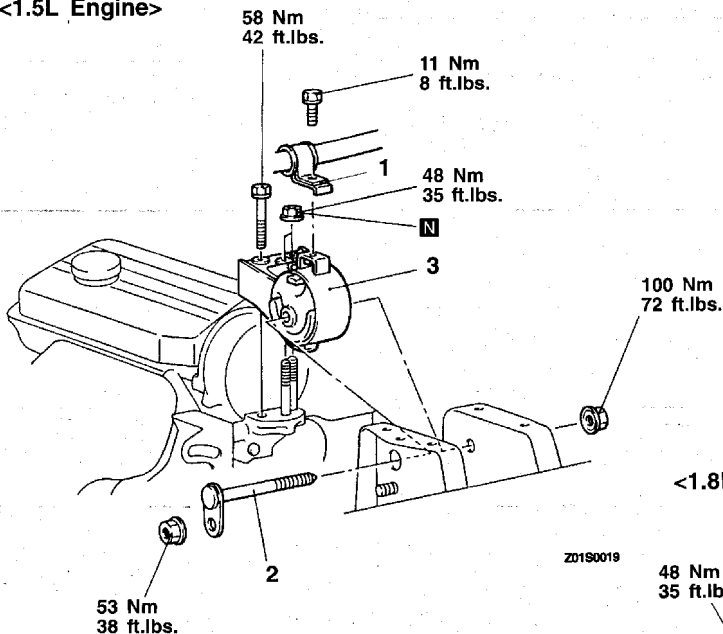
ENGINE MOUNTING

REMOVAL AND INSTALLATION

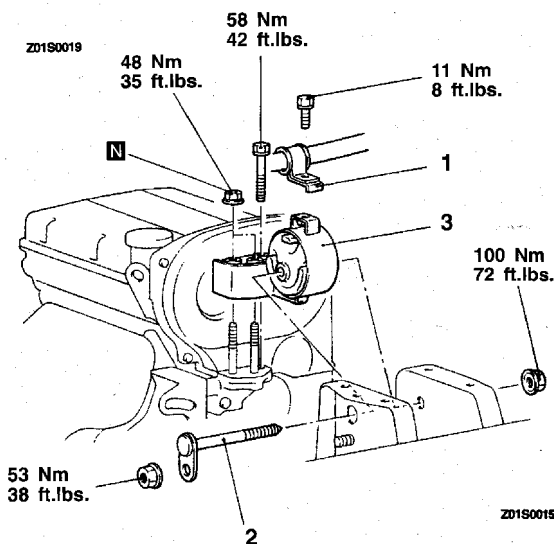
Pre-removal Operation

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

<1.5L Engine>

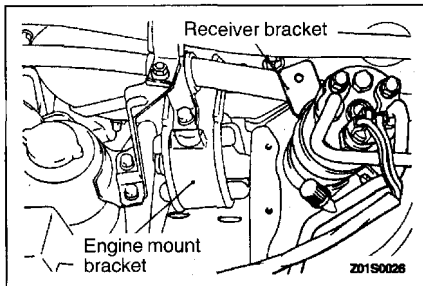


<1.8L Engine>



Removal steps

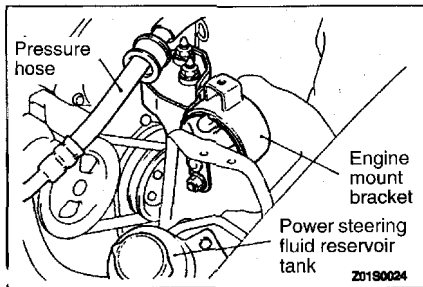
1. Pressure hose bracket
<Vehicles with power steering>
2. Engine mount insulator mounting bolt
3. Engine mount bracket



REMOVAL SERVICE POINTS

◀A▶ ENGINE MOUNT INSULATOR MOUNTING BOLT REMOVAL

- (1) To make it easier to remove the engine mount insulator mounting bolt in vehicles with air conditioning, remove the air conditioning receiver bracket and support the receiver so that there are no bends in the pipe.
- (2) Remove the engine mount insulator mounting bolt.



◀B▶ ENGINE MOUNT BRACKET REMOVAL

- (1) For vehicles with power steering, remove the power steering fluid reservoir tank and bracket, and support them so that the pressure hose will not be in the way.
- (2) Remove the engine mount bracket.

INSPECTION

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

TRANSAXLE MOUNTING

REMOVAL AND INSTALLATION

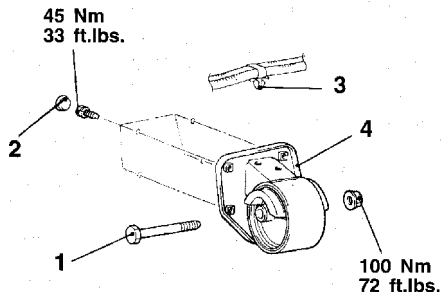
Pre-removal Operation

- Air Cleaner Assembly Removal
- Jack up the Engine and Transaxle Assembly Until There is no Weight on the Transaxle Mount Bracket Insulator.

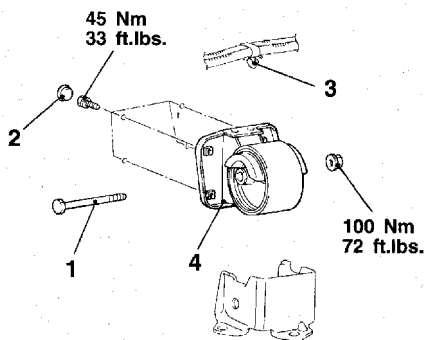
Post-installation Operation

- Air Cleaner Assembly Installation

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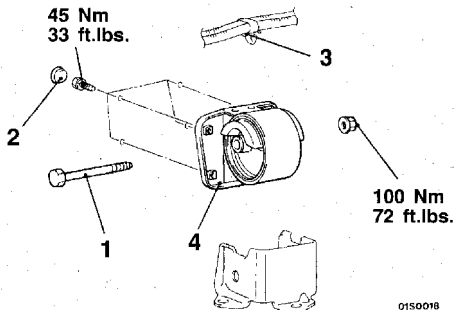
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Removal steps

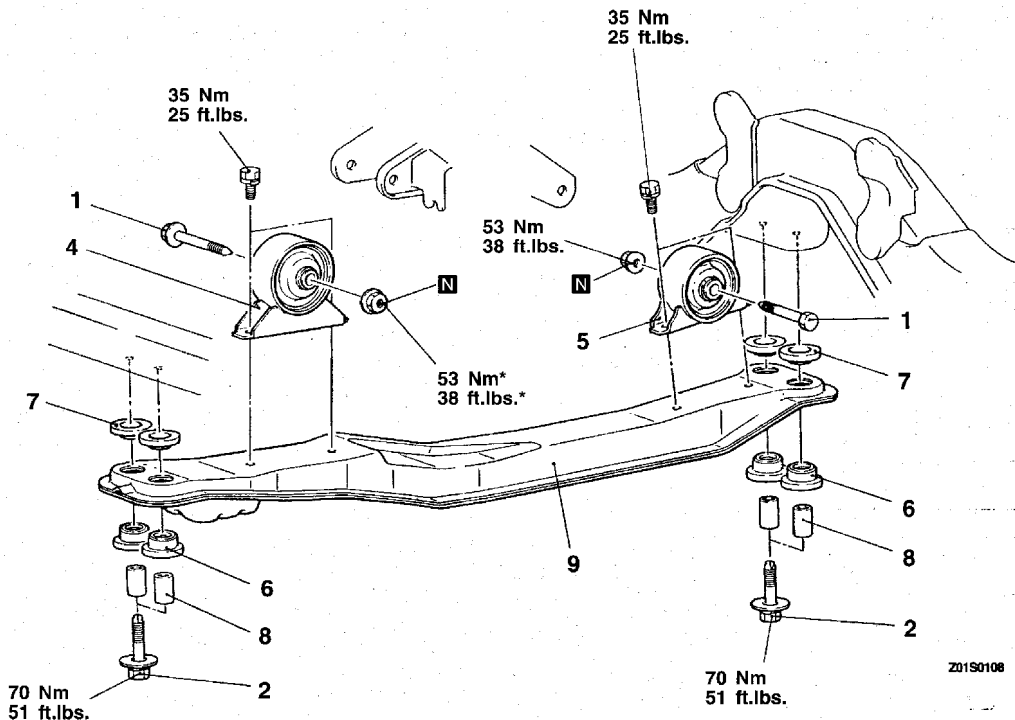
1. Transaxle mount insulator mounting bolt
2. Grommet
3. Harness clamp
4. Transaxle mount bracket

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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Centermember assembly removal steps

1. Bolt
2. Bolt
3. Centermember assembly (Parts No. 4-9)

Roll stopper removal steps

4. Front roll stopper bracket assembly
5. Rear roll stopper bracket assembly

Centermember removal steps

6. Bushing (lower)
7. Bushing (upper)
8. Collar
9. Centermember

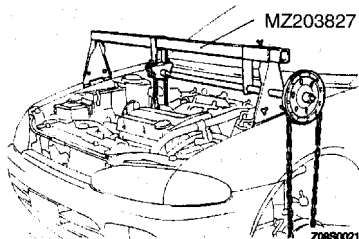
NOTE

The fasteners marked * should be finger tight, then once the total weight of the engine has been placed on the vehicle body, tighten to specifications.

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.



INSPECTION

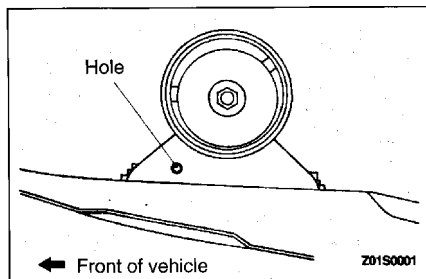
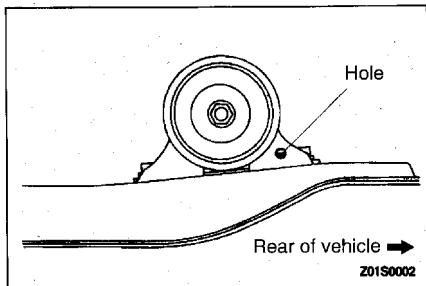
- Check each insulator and bushing for cracks or damage.
- Check each bracket for deformation or damage.

INSTALLATION SERVICE POINTS**►A◄ REAR ROLL STOPPER ASSEMBLY
INSTALLATION**

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

**►B◄ FRONT ROLL STOPPER ASSEMBLY
INSTALLATION**

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



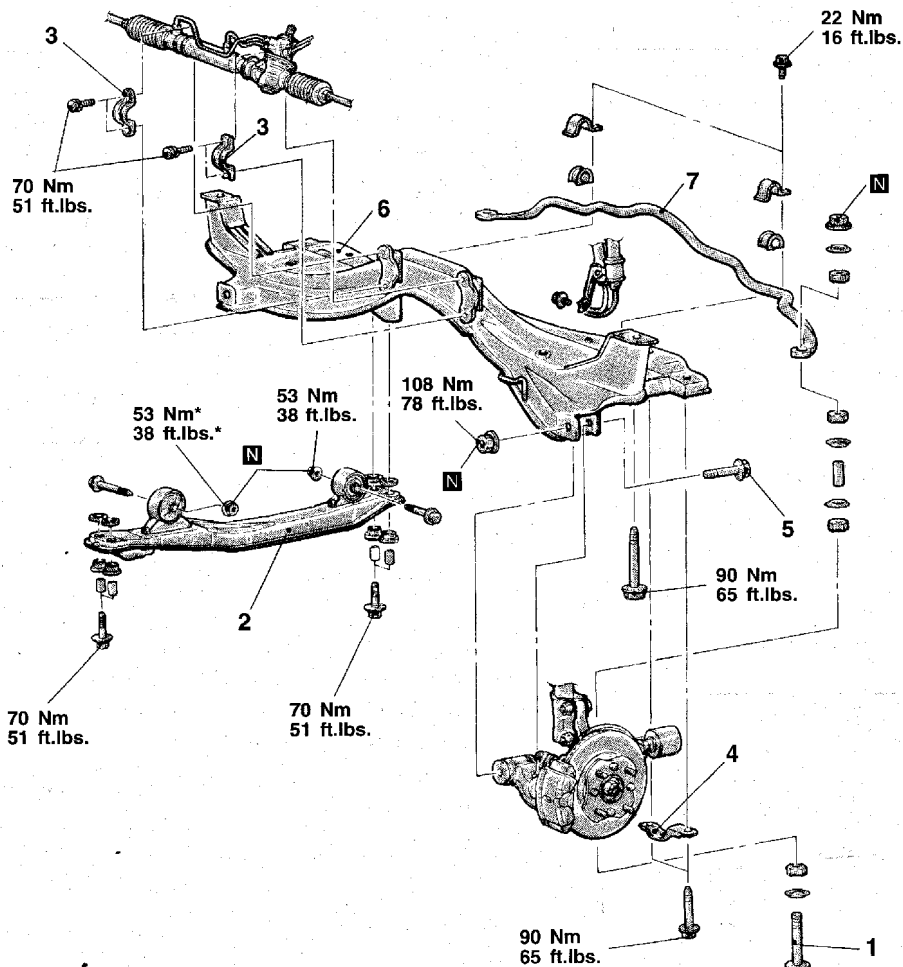
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NO. 2 CROSSMEMBER

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Front Exhaust Pipe Removal and Installation (Refer to GROUP 15 – Exhaust Pipe and Main Muffler.)



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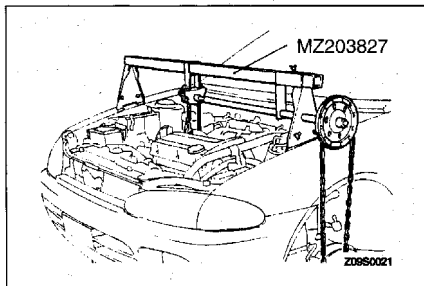
Removal steps

- ▶B▶
1. Stabilizer bar and lower arm connection
 2. Centermember assembly
 3. Clamp
 4. Support bracket
 5. Bolt

- ◀B▶ ▶A▶
6. No. 2 crossmember
 7. Stabilizer bar

NOTE

The fasteners marked * should be finger tight, then once the total weight of the engine has been placed on the vehicle body, tighten to specifications.



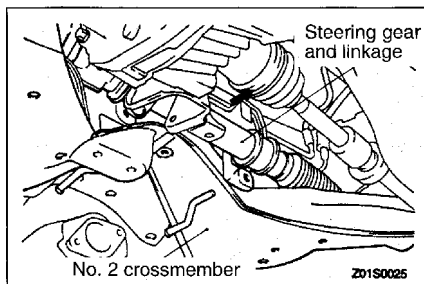
REMOVAL SERVICE POINTS

◀A▶ CENTERMEMBER ASSEMBLY REMOVAL

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

◀B▶ NO. 2 CROSSMEMBER REMOVAL

Remove the No. 2 crossmember while supporting the steering gear and linkage on the vehicle side (in the direction of the arrow).



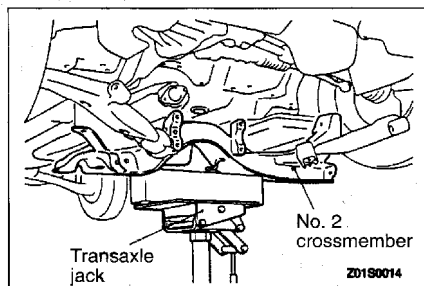
INSPECTION

- Check the No. 2 crossmember for cracks or deformation.

INSTALLATION SERVICE POINTS

▶A▶ NO. 2 CROSSMEMBER INSTALLATION

Install the No. 2 crossmember while supporting it with a transaxle jack.



▶B▶ STABILIZER BAR AND LOWER ARM CONNECTION

Install the stabilizer bar so that the dimension shown in the illustration is at the standard value below.

Standard value (A): 22 mm (.87 in.)

