

GROUP 32

POWER PLANT MOUNT

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WARNINGS REGARDING SERVICING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLES

⚠ WARNING

- *Improper service or maintenance of any component of the SRS, or any SRS-related component, can lead to personal injury or death to service personnel (from inadvertent firing of the air bag) or to the driver and passenger (from rendering the SRS inoperative).*
- *Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.*
- *MITSUBISHI dealer personnel must thoroughly review this manual, and especially its GROUP 52B - Supplemental Restraint System (SRS) before beginning any service or maintenance of any component of the SRS or any SRS-related component.*

NOTE

The SRS includes the following components: SRS air bag control unit, SRS warning light, front impact sensors, air bag module, side-airbag module, curtain air bag module, side impact sensors, seat belt pre-tensioners, clock spring, and interconnecting wiring. Other SRS-related components (that may have to be removed/installed in connection with SRS service or maintenance) are indicated in the table of contents by an asterisk (*).

SERVICE SPECIFICATION

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Item	Standard value
Protruding length of stabilizer link thread part mm (in)	19 – 21 (0.75 – 0.82)

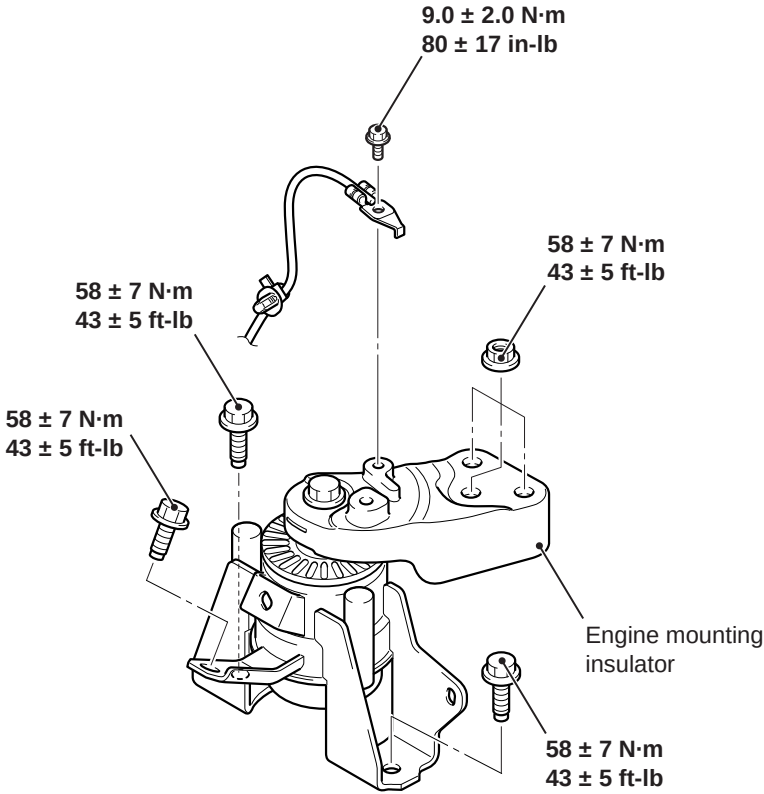
ENGINE MOUNTING

REMOVAL AND INSTALLATION

M1321001103557

Pre-removal Operation

- Raise the engine and transaxle assembly until its weight is not applied to the engine mounting insulator, and support it securely.



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TRANSAXLE MOUNTING

REMOVAL AND INSTALLATION

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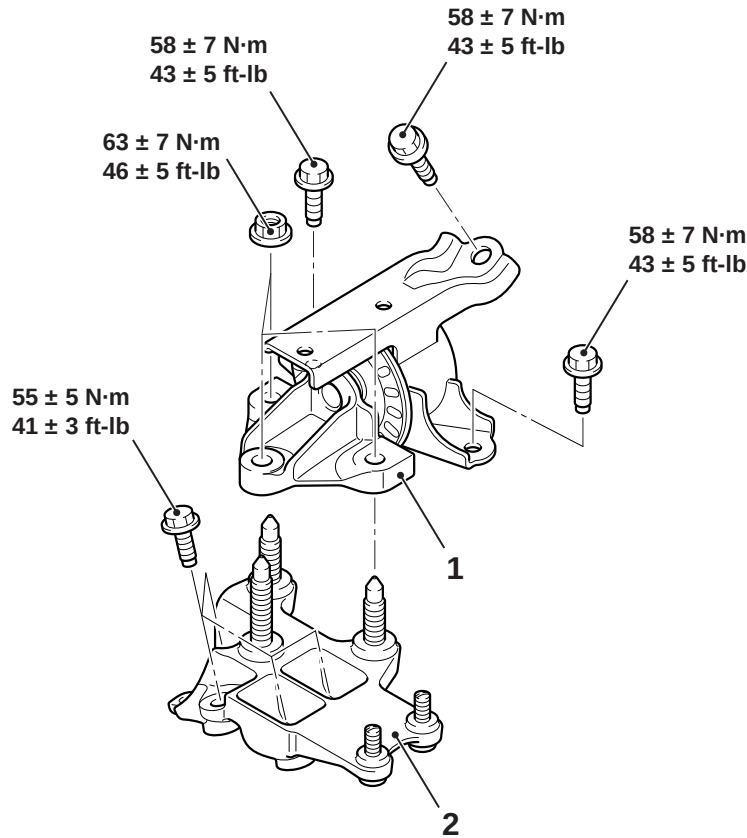
Pre-removal Operation

- Battery and Battery Tray Removal (Refer to GROUP 54A – Battery P.54A-7).
- Battery Tray Bracket Removal
- Raise the engine and transaxle assembly until its weight is not applied to the transaxle mounting insulator, and support it securely.

Post-installation Operation

- Battery Tray Bracket Installation
- Battery and Battery Tray Installation (Refer to GROUP 54A – Battery P.54A-7).

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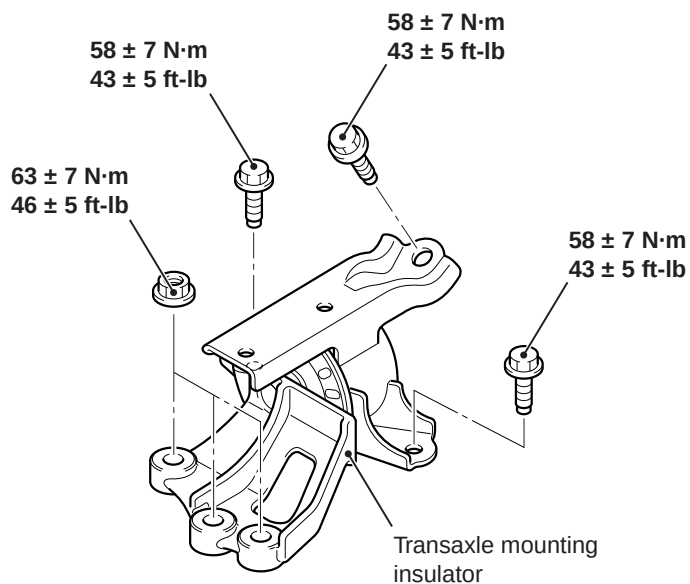
Removal steps

1. Transaxle mounting insulator

Removal steps (Continued)

- Clutch cable connection (Refer to GROUP 21A – Clutch Control P.21A-5).
2. Transaxle mounting bracket

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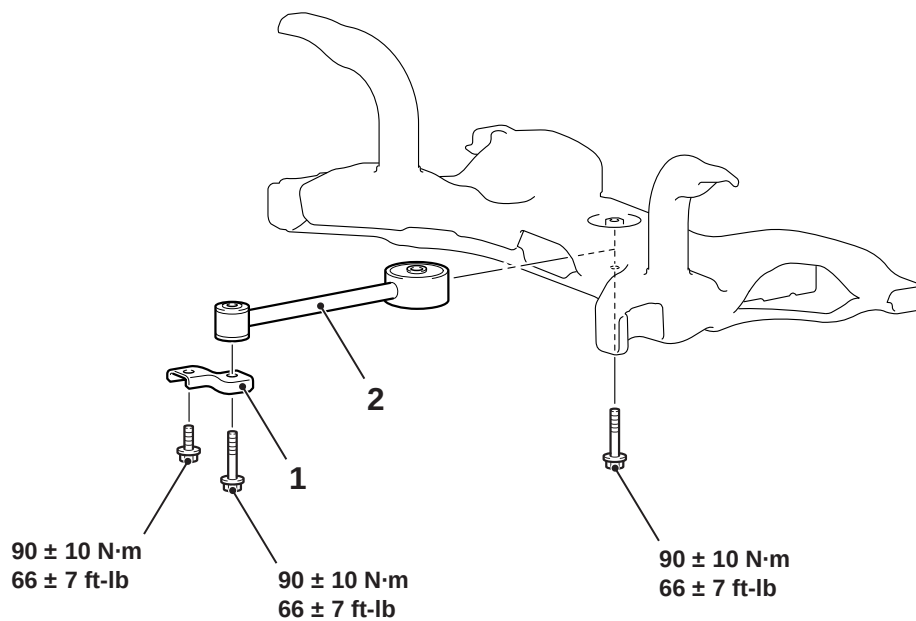


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ENGINE ROLL STOPPER ROD

REMOVAL AND INSTALLATION

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Removal steps

1. Roll rod stay
2. Engine roll stopper rod assembly

FRONT AXLE CROSSMEMBER

REMOVAL AND INSTALLATION

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CAUTION

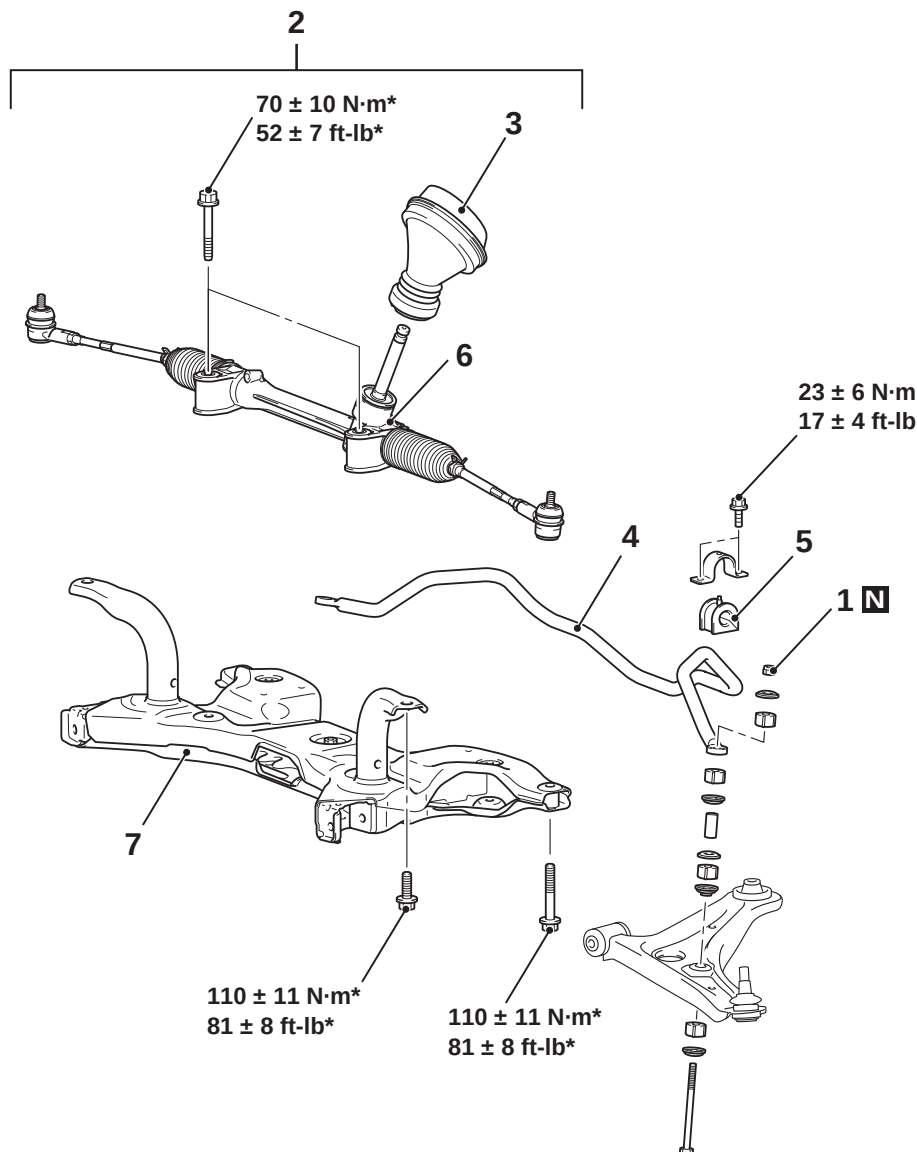
- Before removing the driver's air bag module and steering wheel assembly, always refer to GROUP 52B – Service Precautions [P.52B-5](#), Driver's Air Bag Module and Clock Spring [P.52B-232](#). Also, set the front wheels so that they are facing straight forward, and remove the ignition key. If you fail to do this, the SRS clock spring will be damaged, causing the SRS (air bag) to be inoperative and serious injury.
- The parts indicated by * are the bolts with friction coefficient stabilizer. In removal, ensure there is no damage, clean dust and soiling from the bearing and thread surfaces, and tighten them to the specified torque.
- After the front wheel alignment adjustment, perform a calibration for the ASC-ECU to learn the steering wheel sensor neutral point. (Refer to GROUP 35C – On-vehicle Service, Steering Wheel Sensor Calibration [P.35C-135](#)).

Pre-removal Operation

- Steering Wheel Assembly Removal (Refer to GROUP 52B – Driver's Air Bag Module and Clock Spring [P.52B-232](#)).
- Engine Roll Rod Assembly Removal (Refer to [P.32-4](#)).
- Lower Arm Assembly Removal (Refer to GROUP 33 – Lower Arm [P.33-13](#)).

Post-installation Operation

- Lower Arm Assembly Installation (Refer to GROUP 33 – Lower Arm [P.33-13](#)).
- Engine Roll Rod Assembly Installation (Refer to [P.32-4](#)).
- Steering Wheel Assembly Installation (Refer to GROUP 52B – Driver's Air Bag Module and Clock Spring [P.52B-232](#)).
- Checking Steering Wheel Position with Wheels Straight Ahead.
- Wheel Alignment Check and Adjustment (Refer to GROUP 33, On-vehicle Service - Front Wheel Alignment Check and Adjustment [P.33-6](#)).



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Removal steps

- Steering column bolt (Intermediate shaft assembly and steering gear & linkage connection) (Refer to GROUP 37 – Steering Shaft P.37-64).
- Self-locking nut (Tie-rod end and knuckle connection) (Refer to GROUP 26 – Front Axle Hub Assembly P.26-8).

<<A>>

>>D<<

Removal steps (Continued)

- Self-locking nut (Stabilizer bar connection)
- Front suspension crossmember assembly
- Steering shaft joint dust cover
- Stabilizer bar
- Stabilizer bar bushing
- Steering gear and linkage assembly
- Front suspension crossmember

REMOVAL SERVICE POINT

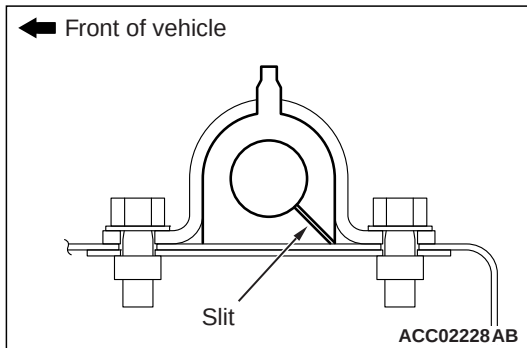
<<A>> FRONT SUSPENSION CROSSMEMBER ASSEMBLY REMOVAL

Support the front suspension crossmember with a transmission jack, and remove the mounting bolts of the front suspension crossmember. Then, remove the front suspension crossmember assembly with the steering gear and linkage installed.

INSTALLATION SERVICE POINTS

>>A<< STABILIZER BUSHING INSTALLATION

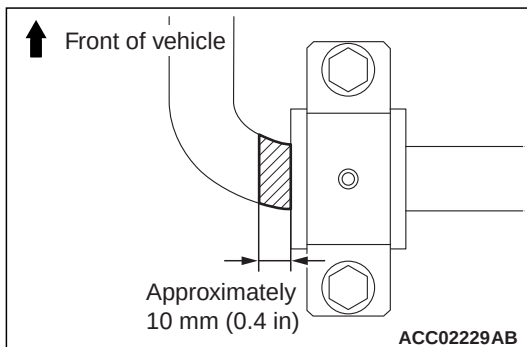
The slit in the stabilizer bushing should face towards the vehicle rear.



>>B<< STABILIZER BAR INSTALLATION

Position the identification mark of the stabilizer bar at the left side of the vehicle as shown in the figure, and tighten the mounting bolts to the specified torque.

Tightening torque: 23 ± 6 N·m (17 ± 4 ft-lb)

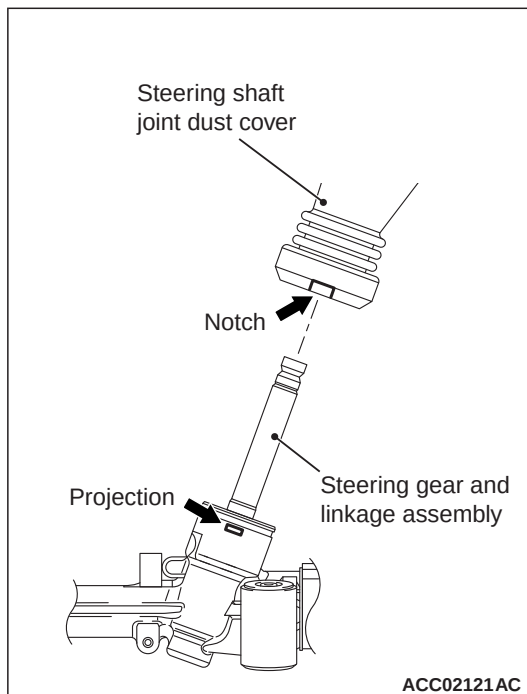


**>>C<< STEERING SHAFT JOINT DUST COVER
INSTALLATION**

Install the steering shaft joint dust cover so that the cover notch is aligned with the projection of the steering gear and linkage assembly.

Shall fit the steering shaft joint dust cover in steering gear and linkage assembly cater-corner, then fit in all round until the lip shall be fitted into groove of steering gear and linkage assembly.

Shall pull the steering shaft joint dust cover to confirm that the steering shaft joint dust cover is fitted into steering gear and linkage assembly securely.

**>>D<< SELF-LOCKING NUT INSTALLATION**

Tighten the self-locking nut until the stabilizer link thread part protruding length meets the standard value.

Standard value (A): 19 – 21 mm (0.75 – 0.82 inch)

