

Component Procedures: Engine Mount

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Component Procedures: Engine Mount

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Mount	92249010	Mount	236.75	
Trans Mount > Manual Trans	20934789	Trans Mount	49.59	
Trans Mount > Auto Trans	92249328	Trans Mount	44.28	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Mounts > Front Mount, R&R > Left Side	B	1.1	0.7
Remove & Replace	Mounts > Front Mount, R&R > Right Side	B	0.9	0.7
Remove & Replace	Mounts > Front Mount, R&R > Both Sides	B	1.6	0.0
Remove & Replace	Mounts > Rear Mount, R&R > Auto Trans	B	0.7	0.0
Remove & Replace	Mounts > Rear Mount, R&R > Manual Trans	B	0.4	0.0

Engine Mount Replacement - Left Side (Article 12175)

Removal Procedure

- Remove the left hand engine mount to engine mounting bracket retaining nut (1). Click for full-size image
- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .
- Remove and discard the engine mount to front frame retaining nuts (1). Click for full-size image
- Position a screw jack and a block of wood under the engine oil pan .
- Using the screw jack, carefully raise the engine until the engine is lifted high enough to remove the left hand engine mount.
- Remove the left hand engine mount (1) from the vehicle. Click for full-size image

Installation Procedure

- Install the left hand engine mount (1) to the frame rail. Click for full-size image
- Carefully lower the engine with the screw jack until the upper engine mount stud enters the left hand engine mount bracket hole.
- Remove the screw jack and block of wood.
- Install NEW engine mount to frame retaining nuts (1). Click for full-size image Tighten Tighten the nuts to 80 Nm (59 lb ft).
- Tighten the nuts to 80 Nm (59 lb ft).
- Lower the vehicle.
- Install the left hand engine mount to engine mounting bracket retaining nut (1). Click for full-size image Tighten Tighten the nut to 80 Nm (59 lb ft).
- Tighten the nut to 80 Nm (59 lb ft).

Engine Mount Replacement - Right Side (Article 12176)

Removal Procedure

- Remove the right hand engine mount to engine mounting bracket retaining nut (1). Click for full-size image
- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .
- Remove and discard the engine mount to front frame retaining nuts (1). Click for full-size image
- Position a screw jack and a block of wood under the engine oil pan .
- Using the screw jack, carefully raise the engine until the engine is lifted high enough to remove the right hand engine mount.
- Remove the right hand engine mount (1) from the vehicle. Click for full-size image

Installation Procedure

- Install the right hand engine mount (1) to the frame rail. Click for full-size image
- Carefully lower the engine with the screw jack until the upper engine mount stud enters the right hand engine mount bracket hole.
- Remove the screw jack and block of wood.
- Install NEW engine mount to frame retaining nuts (1). Click for full-size image Tighten Tighten the nuts to 80 Nm (59 lb ft).
- Tighten the nuts to 80 Nm (59 lb ft).
- Lower the vehicle.

- Install the right hand engine mount to engine mounting bracket retaining nut (1). Click for full-size image
Tighten Tighten the nut to 80 Nm (59 lb ft).
Tighten the nut to 80 Nm (59 lb ft).

Engine Mount Bracket Replacement - Left Side (Article 12172)

Callout Component Name

Preliminary Procedure Remove the engine mount . Refer to Engine Mount Replacement - Left Side .

Preliminary Procedure

Remove the engine mount . Refer to Engine Mount Replacement - Left Side .

1 Engine Mount Bracket Fastener (Qty: 4) Caution: Refer to Fastener Caution . Tighten 60 Nm (44 lb ft)
60 Nm (44 lb ft)

2 Engine Mount Bracket Procedure Transfer components as necessary.

Procedure

Transfer components as necessary.

Engine Mount Bracket Replacement - Right Side (Article 12173)

Callout Component Name

Preliminary Procedure Remove the engine mount . Refer to Engine Mount Replacement - Right Side .

Preliminary Procedure

Remove the engine mount . Refer to Engine Mount Replacement - Right Side .

1 Engine Mount Bracket Fastener (Qty: 4) Caution: Refer to Fastener Caution . Tighten 60 Nm (44 lb ft)
60 Nm (44 lb ft)

2 Engine Mount Bracket Procedure Transfer components as necessary.

Procedure

Transfer components as necessary.

Engine Mount Inspection (Article 12174)

- Install the engine support fixture. Raising the engine removes the weight from the engine mount and creates slight tension in the rubber.

- Observe the engine mount while raising the engine. Replace the engine mount if the engine mount exhibits any of the following conditions:

- The hard rubber surface is covered with heat check cracks.

- The rubber is separated from the metal plate of the engine mount.

- The rubber is split through the center of the engine mount.

- The GLYCOL™ fluid is leaking from the engine mount.

- If there is movement between the metal plate of the engine mount and its attaching points, lower the engine on the engine mount. Tighten the bolts or nuts attaching the engine mount to the frame or engine mount bracket . Refer to Engine Mount Replacement - Left Side or Engine Mount Replacement - Right Side .