

REPAIR INSTRUCTIONS - ON VEHICLE

POWERTRAIN MOUNT BALANCING

WARNING: Do not use a service jack in locations other than those specified to lift this vehicle. Lifting the vehicle with a jack in those other locations could cause the vehicle to slip off the jack and roll; this could cause injury or death.

NOTE: Follow the balance procedure steps listed below when no starting point has been established such as in a collision repair.

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** .
2. Loosen the rear transaxle mount to transaxle bracket through bolt until it is finger tight.
3. Lower the vehicle.
4. Install the engine support fixture. Refer to **Engine Support Fixture**.
5. Remove the drive motor generator power inverter module cover. Refer to **Drive Motor Generator Power Inverter Module Cover Replacement** .
6. Loosen the transaxle adapter to transaxle bolts (1).

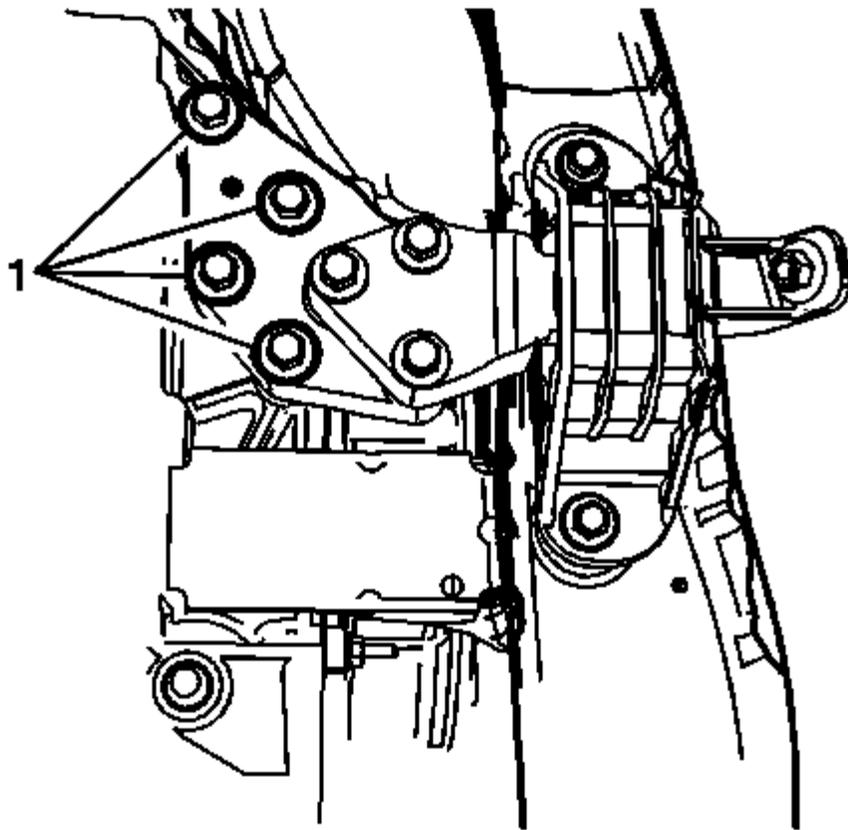


Fig. 11: Transaxle Bolts

7. Loosen the engine mount (1) to bracket bolts (2).

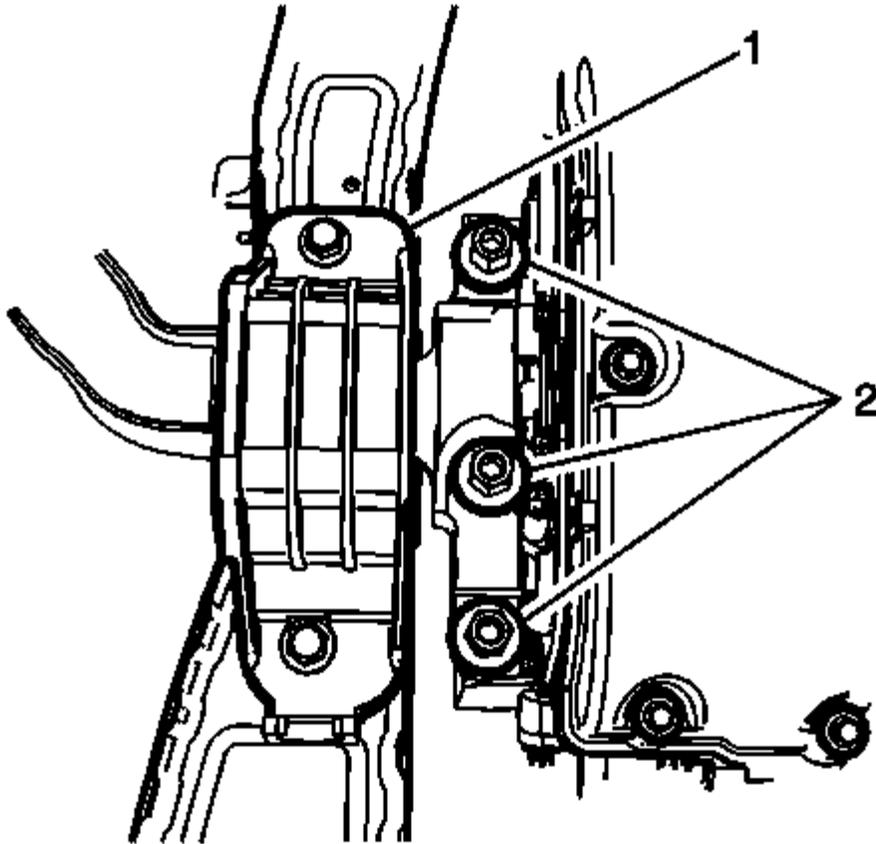


Fig. 12: Engine Mount And Bracket Bolts

8. Raise the engine and transmission in order to allow a 1/4 inch (6 mm) gap between the upper engine mount and engine mount bracket and also between the transmission and left transmission mount.
9. Tighten the left hand (transaxle side) mount bolts, starting with the bolt nearest to the center of the mount.

See the appropriate transmission mount replacement procedure for the fastener tightening specifications.

10. Tighten the right hand (engine side) mount bolts, starting with the bolt nearest to the center of the mount. See the appropriate engine mount replacement procedure for the fastener tightening specifications.
11. Raise the vehicle.

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12. Shake the powertrain from front to rear and allow the powertrain to settle.
13. Tighten the rear transaxle mount through bolt. See the appropriate transmission mount replacement procedure for the fastener tightening specifications.
14. Lower the vehicle.

15. Install the drive motor generator power inverter module. Refer to **Drive Motor Generator Power Inverter Module Cover Replacement** .
16. Remove the engine support fixture. Refer to **Engine Support Fixture**.
17. Raise the vehicle.
18. Tighten the rear transaxle mount to transaxle bracket through bolt to 100 (74 lb ft).
CAUTION: Refer to Fastener Caution .

19. Lower the vehicle and remove supports. Refer to **Lifting and Jacking the Vehicle** .

ENGINE MOUNT REPLACEMENT - RIGHT SIDE

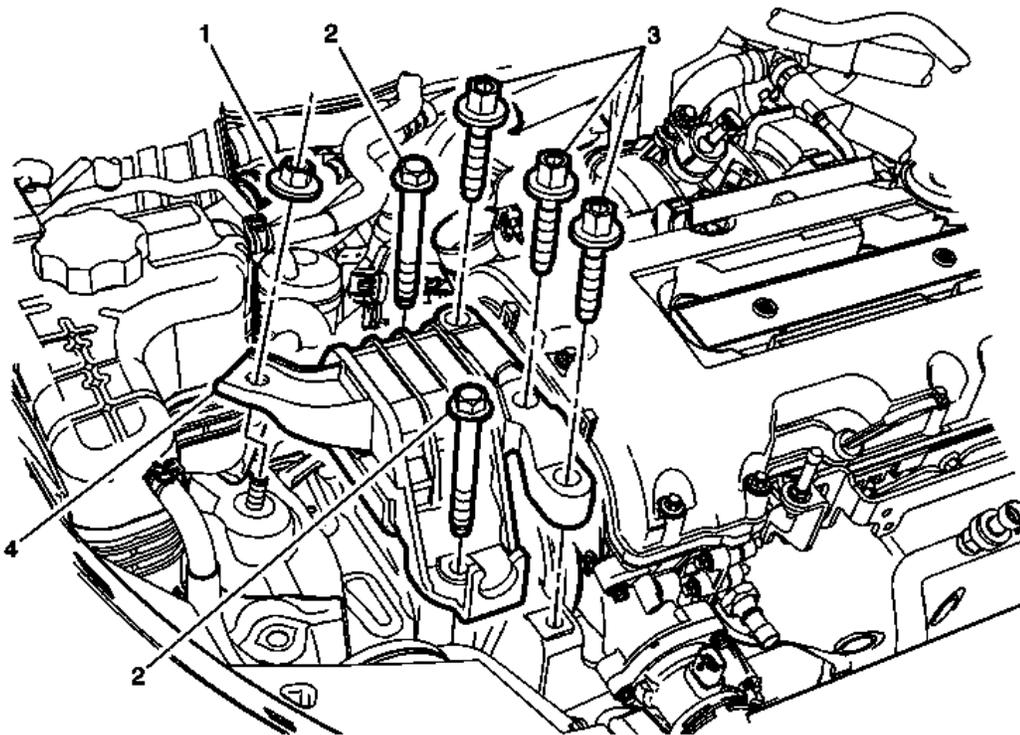


Fig. 13: Engine Mount - Right Side

Engine Mount Replacement - Right Side

Callout	Component Name
Preliminary Procedures	
1.	Remove the air cleaner assembly. Refer to <u>Air Cleaner Assembly Replacement</u> .
2.	Install engine support fixture. Refer to <u>Engine Support Fixture</u> .
3.	Prior to removing the mount, mark the mount location using spray paint or a marker for correct

2014 Chevrolet Volt

2014 ENGINE Engine Mechanical - 1.4L (LUU) - Volt

positioning during installation.

4. If all powertrain mounts are replaced, perform the Powertrain Mount Balancing. Refer to **Powertrain Mount Balancing**.

1	Engine Mount Fastener CAUTION: Refer to <u>Fastener Caution</u> . TIP: Perform the powertrain mount balancing - lower after installation of the fastener. Tighten 50 N.m (37 lb ft)
2	Engine Mount Fastener (Qty: 2) Tighten 58 N.m (43 lb ft)
3	Engine Mount Fastener (Qty: 3) Procedure Ensure the washer is in place before installing the bolt. Tighten 58 N.m (43 lb ft)
4	Engine Mount Procedure Transfer components as necessary.

ENGINE MOUNT INSPECTION

1. Install the engine support fixture. Refer to **Engine Support Fixture**.
2. Observe the engine mount while raising the engine. Raising the engine removes the weight from the engine mount and creates slight tension on the rubber.
3. Replace the engine mount if the engine mount exhibits any of the following conditions:
 - The hard rubber 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.
4. For engine mount replacement, refer to **Engine Mount Replacement - Right Side**.
5. For rear transmission mount replacement, refer to **Transmission Rear Mount Replacement** .
6. For left transmission mount replacement, refer to **Transmission Mount Replacement - Left Side** .

ENGINE MOUNT BRACKET REPLACEMENT - RIGHT SIDE