

Z1 Q50 / Q60 AWD TRANSMISSION MOUNT INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2016+	Infiniti Q50 AWD
2017+	Infiniti Q60 AWD

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Q50 / Q60 AWD Transmission Mount, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Urethane Transmission Mount Assembly

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Torque Wrench
- 10mm Socket
- 14mm Socket
- 14mm Deep Well Socket
- 17mm Socket
- 19mm Socket

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

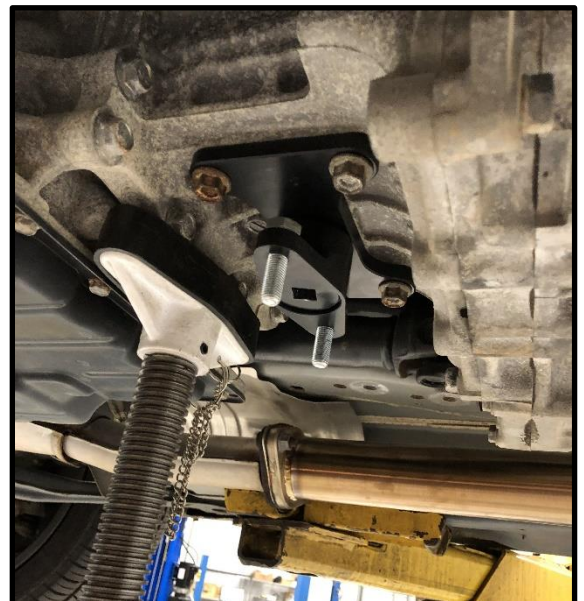
Remove contents from the Z1 Motorsports Q50 / Q60 AWD Transmission Mount and verify that ALL necessary hardware is present.

PROCEDURE:

1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
4. Remove factory transmission under body cover.
5. Using either a floor jack, transmission jack, or other suitable supporting method, remove the weight of the transmission from the cross member. Place jack just behind oil pan (as shown).

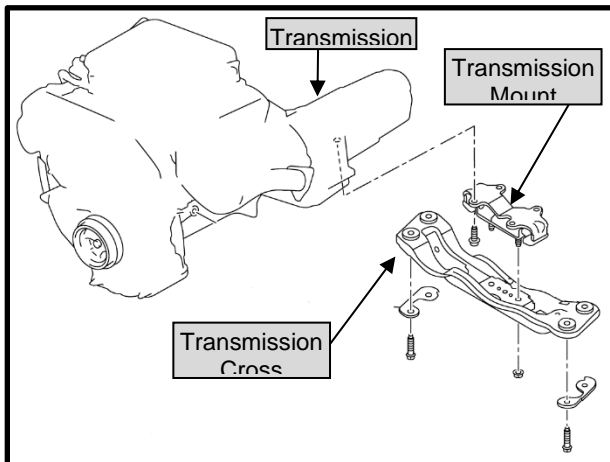
Note: Do not raise the transmission, just apply pressure with jack to prevent transmission from sagging after the old mount is removed.

Note: Picture at right is shown with transmission crossmember already removed and Z1 mount installed. This image is just to show the placement of the transmission jack. Assure jack is supporting transmission before removing the crossmember.



- Remove the (4) bolts and (2) nuts securing the transmission cross member to vehicle. Remove the cross member and set aside.

Note: Retain all hardware and brackets as they will be reused. Take note of the orientation of the brackets on the bottom side of the crossmember.



Remove the (4) bolts securing the transmission mount to the transmission. Remove the old transmission mount.

Note: Retain the (2) bolts as they will be reused.

- Locate new Z1 Urethane Transmission Mount.
- Attach the Z1 mount to the transmission using the OEM hardware removed in step #6 (as shown). Torque bolts to 36ft-lbs.
- Locate transmission cross member. Reattach cross member to Z1 mount using the (2) nuts removed in step #6.

Note: **DO NOT** fully tighten the nuts yet. Leave them loose so the cross member can pivot slightly to line up the cross member and mounting holes on the chassis.

- Reattach cross member to chassis using the (4) bolts and (2) brackets removed in step #6.

Note: If the outer holes on the cross member aren't lining up perfectly, try raising or lowering the jack on the transmission by a small amount. This may help line up the mounting holes and ensure the bolts do not get cross threaded.

- Torque all nuts and bolts on cross member to 36ft-lbs.
- Reattach transmission under body cover.
- Inspect vehicle for loose tools/items
- Properly lower vehicle from jack stands.
- Perform a final test drive of vehicle.

END

Additional Technical Support:
Contact Z1 Motorsports at info@z1motorsports.com
Or call 770-838-7777 between 9am and 6pm ET

