

Z1 350Z/G35 FRONT SUBFRAME BRACE INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2008	Nissan 350Z
2003-2007	Infiniti G35 Coupe
2003-2008	Infiniti G35 Sedan

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 350Z/G35 Front Subframe Brace, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Z1 Front Subframe Brace
2	6	M10 x 1.25 Flanged Bolt, 25mm
3	2	M14 x 1.5 Flanged Nut
G35 Sedan		
4	2	M8 x 1.25 Hex Head Screw, 25mm
5	2	M8 Washer
6	2	M8 x 1.25 Rivnut

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Torque Wrench

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- 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 350Z/G35 Front Subframe Brace and verify that ALL necessary hardware is present.

G35 Sedans will have a different Installation Process than the 350Z and the G35 Coupe. Skip to [Page 5](#) if you are installing the Front Subframe Brace on a G35 Sedan.

NOTE: Due to tolerances between Chassis, the Subframe Brace may make slight contact with the Steering Rack Bushing. It will not harm the Brace but can be clearanced with a file or hammer if desired.

350Z/G35 Coupe:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Remove the (8) eight bolts circled below and remove the OE Front Subframe Brace from the vehicle. *Figure 1.*

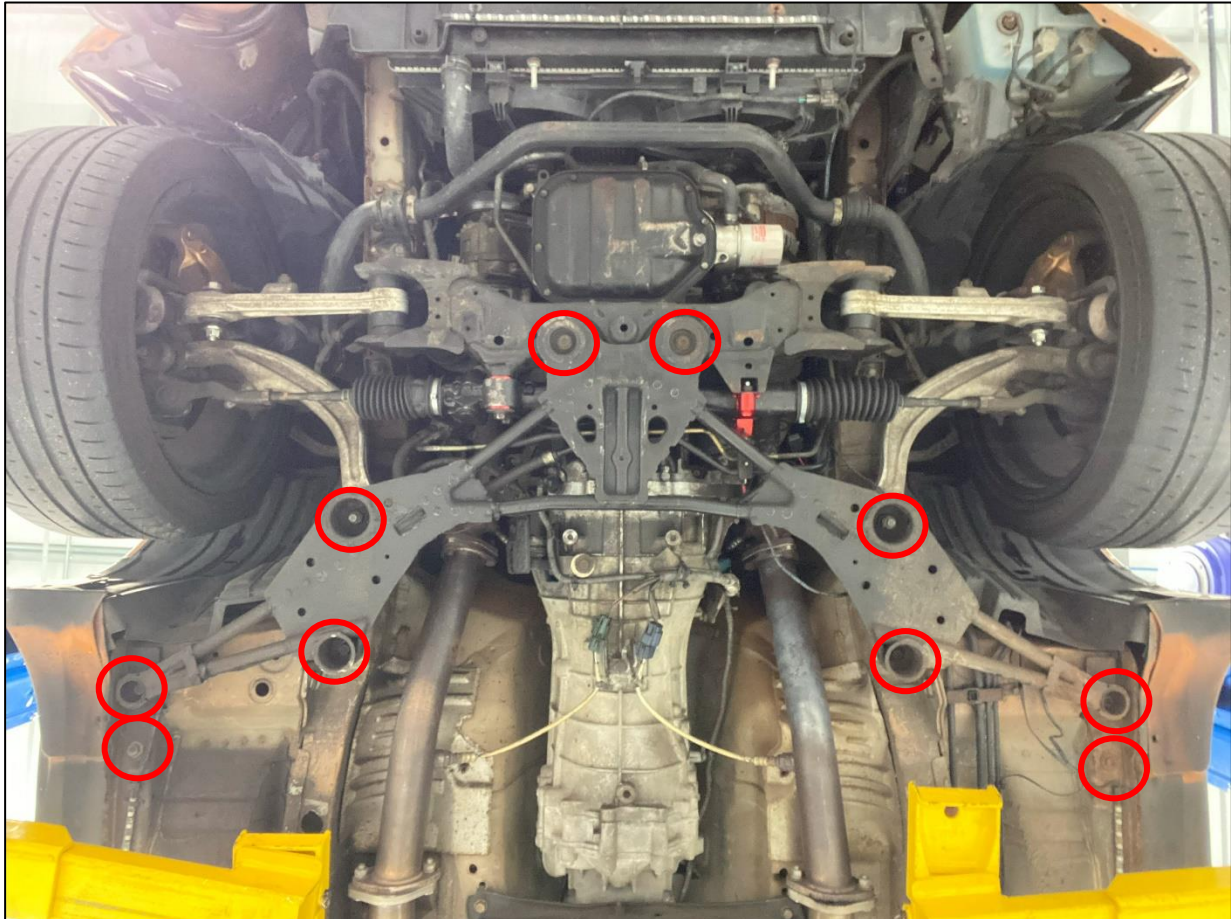


Figure 1

4. Locate the new Z1 Front Subframe Brace and the (6) six M10 x 1.25 bolts. Position the new Brace on the vehicle and secure with the (6) six bolts in the locations circled below. Torque the bolts to **47 ft-lbs.** *Figure 2.*

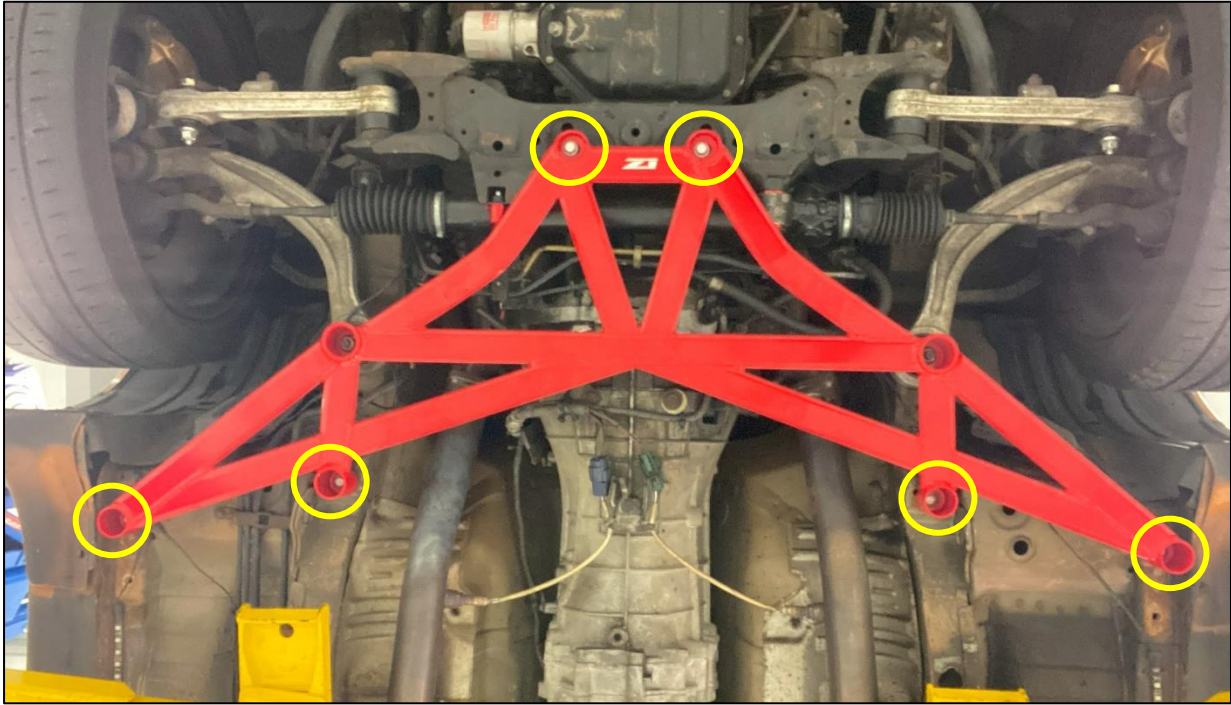


Figure 2

5. Reinstall the (2) two nuts removed from the Compression Arm mount in *Step 3*. Torque to **104-125 ft-lbs.** *Figure 3.*

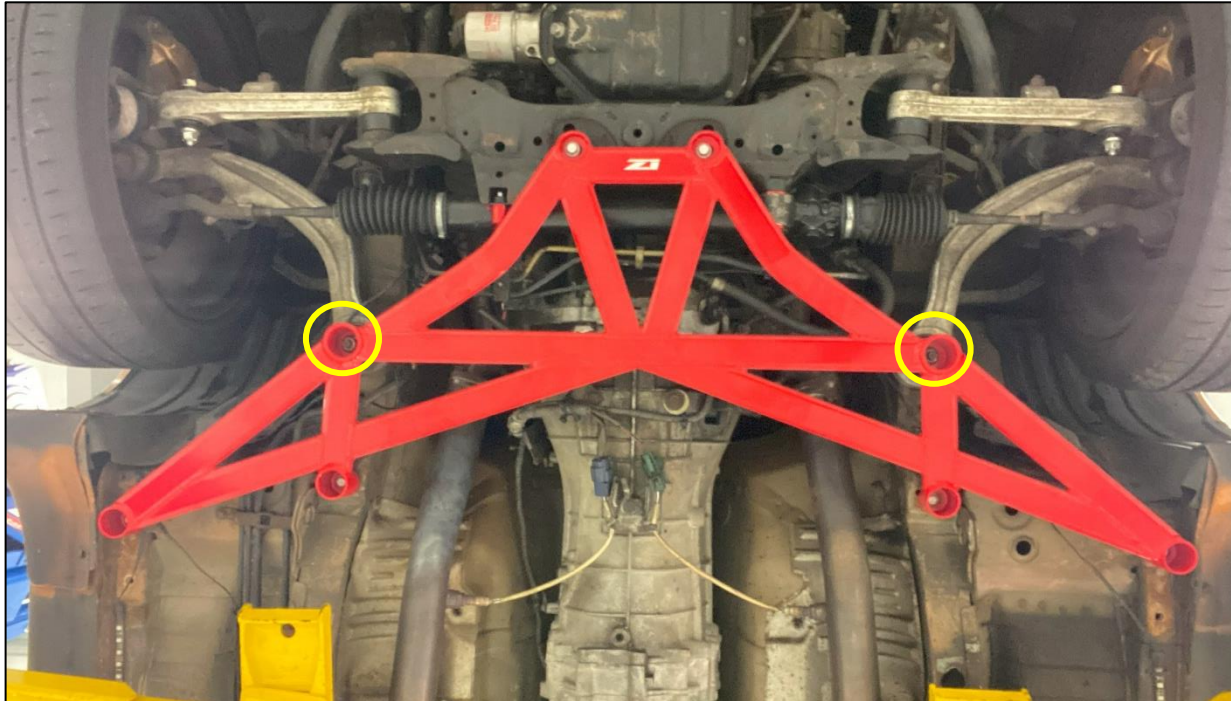


Figure 3

6. Safely lower vehicle from jack stands.
7. Take your vehicle for a test drive.

G35 Sedan:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Remove the (8) eight bolts circled below and remove the OE Front Subframe Brace from the vehicle. Retain the (2) two nuts removed from the Compression Arm mount. *Figure 4.*

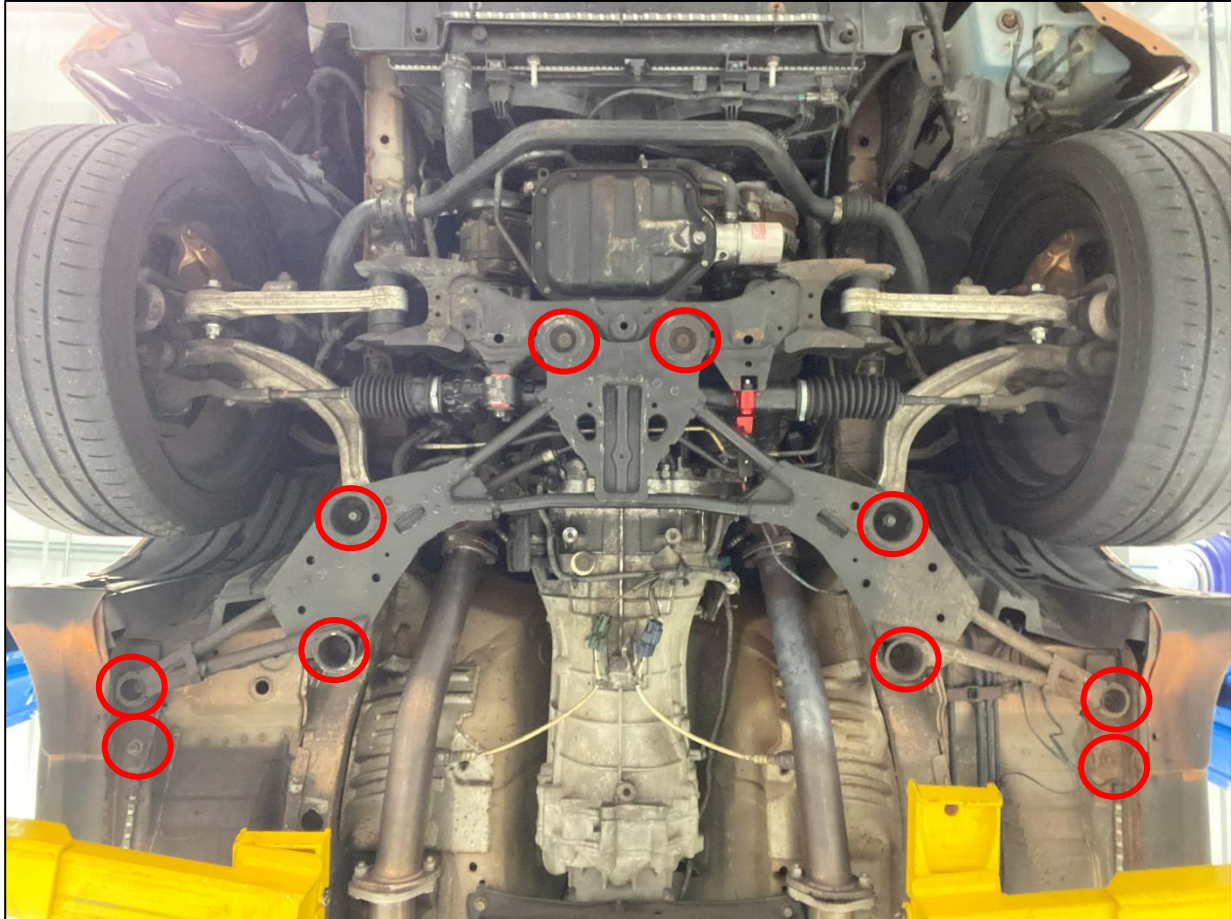


Figure 4

4. Locate the (2) two Rivnuts and a Rivnut installation tool. Install (1) one Rivnut into each hole circled below in *Figure 5*.



Figure 5

5. Locate the new Z1 Front Subframe Brace and (4) four M10 x 1.25 bolts. Position the new Brace on the vehicle and secure with the (4) four bolts in the locations circled below. Torque the bolts to **47 ft-lbs**. *Figure 6*.

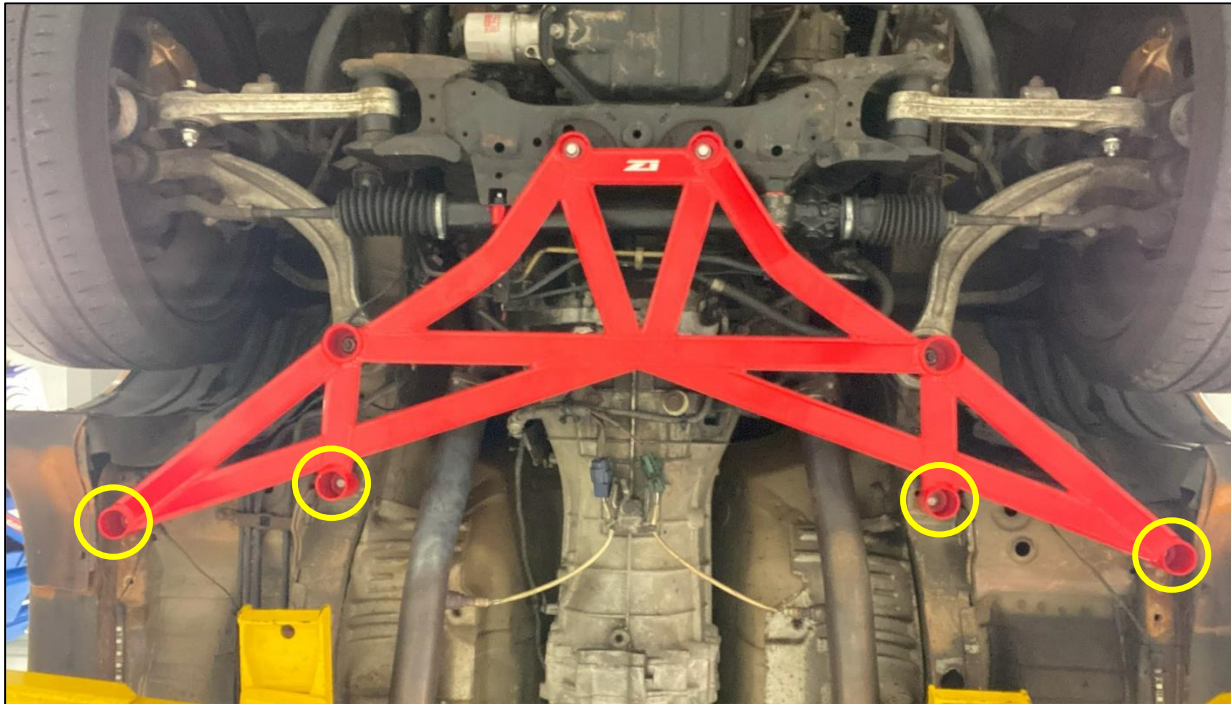


Figure 6

6. Locate (2) two M8 x 1.25 Hex Head Screws, and (2) two M8 Washers. Install (1) one Hex Head Screw with a Washer through the W-Brace and into the Rivnuts installed in Step 4. Figure 7.

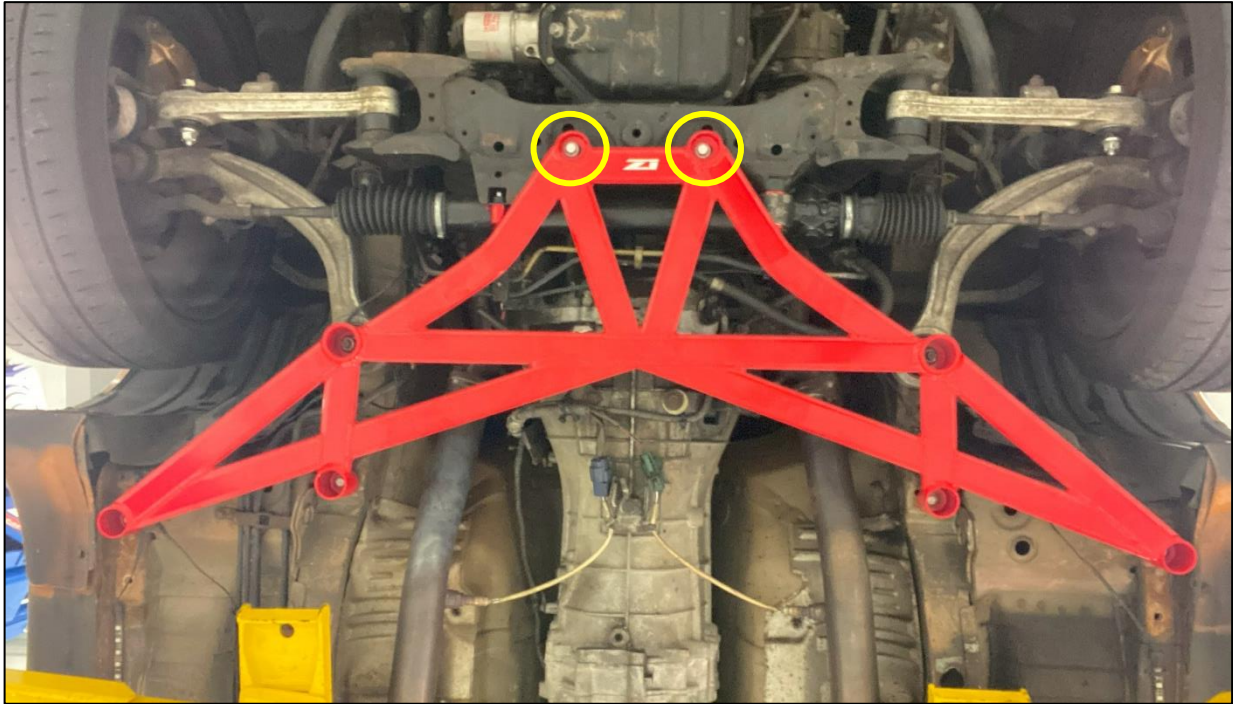


Figure 7

7. Reinstall the (2) two nuts removed from the Compression Arm mount in Step 3. Torque to **104-125 ft-lbs.** Figure 8.

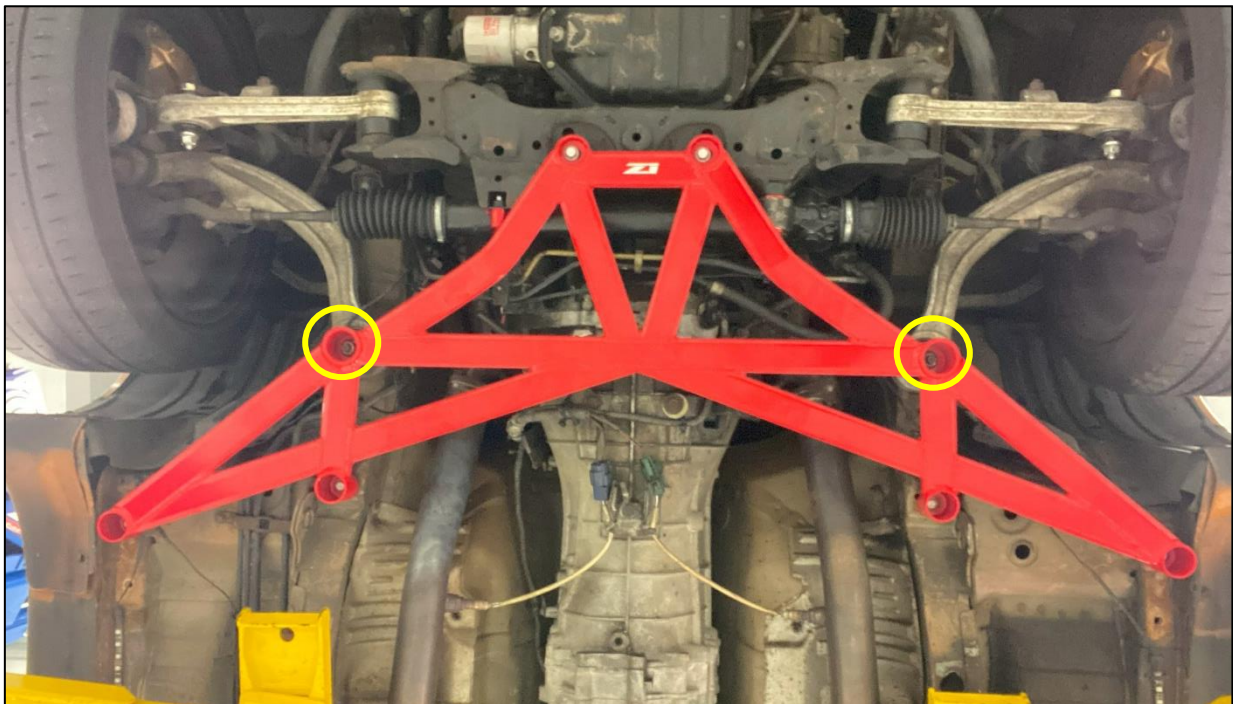


Figure 8

8. Safely lower vehicle from jack stands.
9. Take your vehicle for a test drive.

END

Additional Technical Support:

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