MM009
6TH GEN CAMARO MOTOR MOUNT KIT

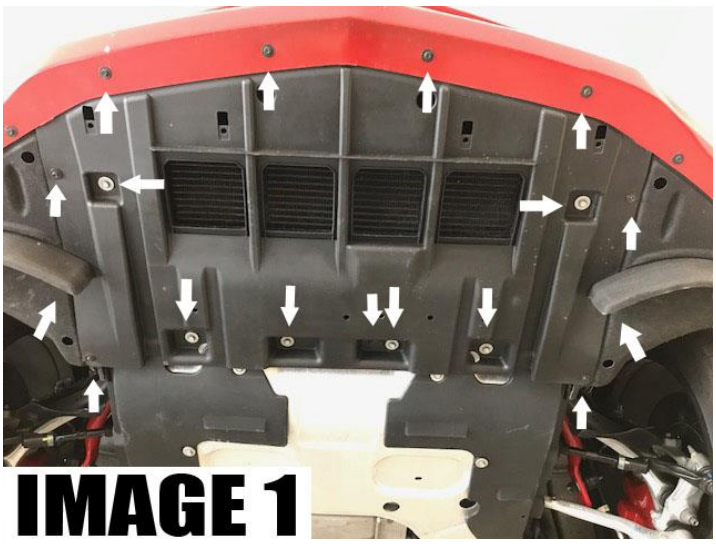
BMR recommends professional installation of this product. A service lift is also recommended for installation of this product. If the vehicle is equipped with an oil cooler, engine coolant is drained during install. Please review installation instructs to ensure you have all necessary items before proceeding.

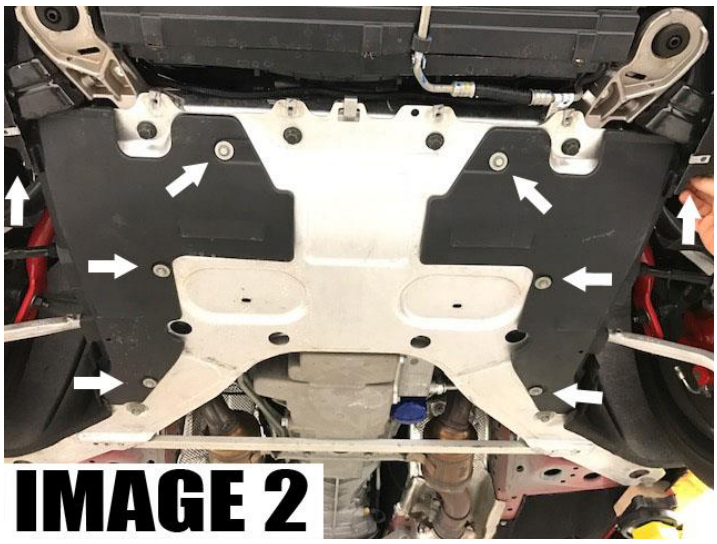
Tools required:

Ratchet with swivel style head
Long extension
2 swivels
Sockets: 7mm, 10mm, 15mm, 18mm deep, 24mm, T15 torx
Hook/pick tool
Push pin removal tool
High reach auxiliary jack stand
Drain Pan

Installation:

1. Place the vehicle on the lift, and the auxiliary jack stand under the engine.
2. Remove 10 7mm bolts, 6 10mm bolts, and 1 push pin from front lower splash shield as shown in **IMAGE 1** and remove shield.
3. Remove 6 10mm bolts, 2 push pins, and 4 T15 torx bolts from wheel wheel/lower splash guard as seen in **IMAGE 2** and remove lower splash shields.

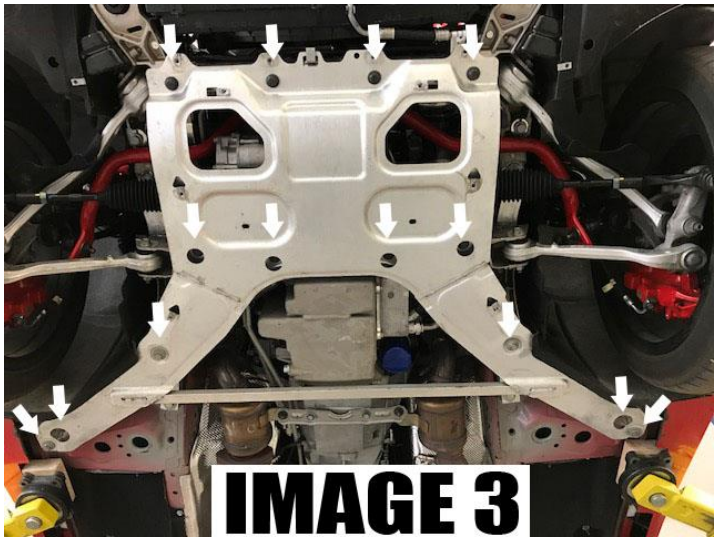


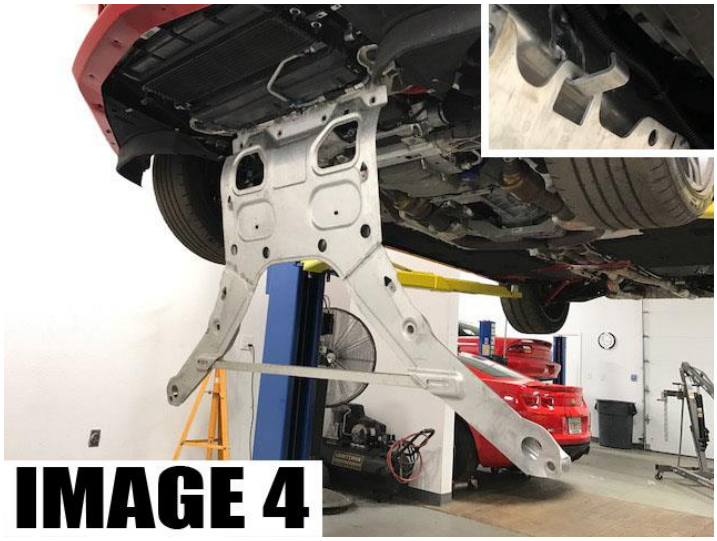


4. Remove 14 15mm bolts from the chassis brace as shown in **IMAGE 3**.
5. Swing chassis brace downward towards the front of the car, and unhook from the front of the k-member as shown in **IMAGE 4**.

MM009
6TH GEN CAMARO MOTOR MOUNT KIT

continued



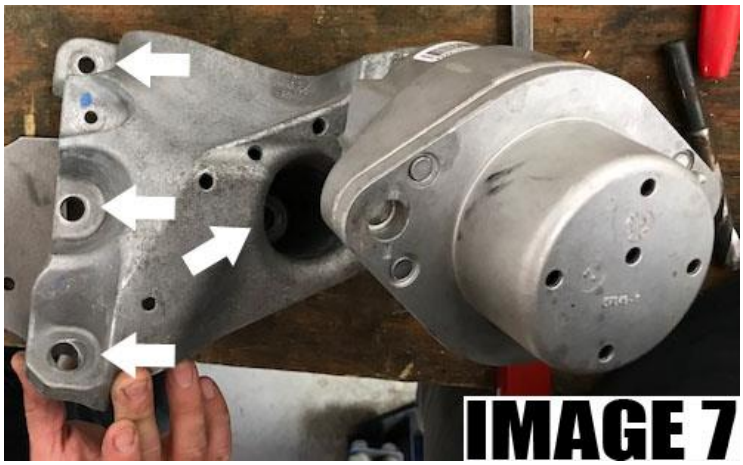


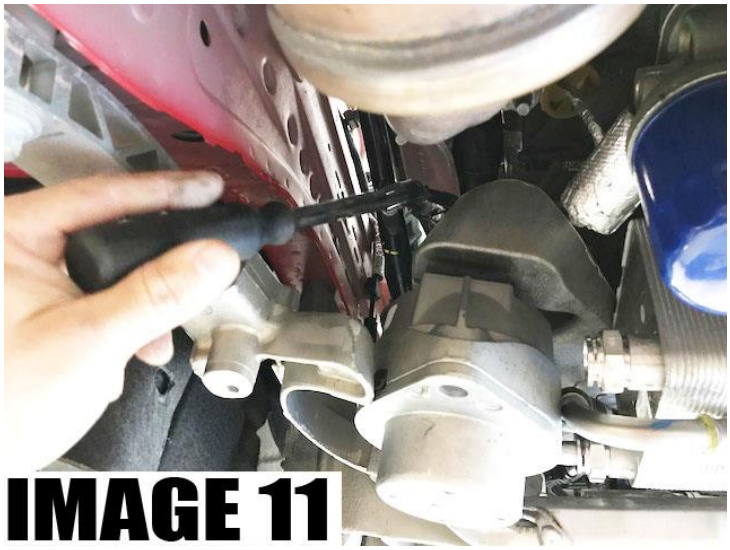
Driver side:
6. Remove engine oil cooler line as shown in **IMAGE 5**.
7. Remove plug on rear of A/C compressor as shown in **IMAGE 6**.
8. Remove push pin holding wiring harness to the engine stand.
9. Remove 4 15mm bolts holding the motor stand to the engine as shown in **IMAGE 7**. **NOTE: Front upper bolt requires a 2 swivels as shown in IMAGE 8.**

MM009
6TH GEN CAMARO MOTOR MOUNT KIT

continued

10. Using the swivel head ratchet and 15mm socket, remove 2 bolts from motor mount as shown in **IMAGE 9**.
11. Lower engine stand assembly as much as possible. Using the swivel head ratchet and 18mm deep socket, loosen motor mount bolt as shown in **IMAGE 10 and 11**.
12. Remove engine stand and mount from vehicle. **NOTE: Engine may need to be raised using the auxiliary jack. If needed, skip to passenger side instructions and loosen passenger side stand to allow the engine to move upward without binding.**



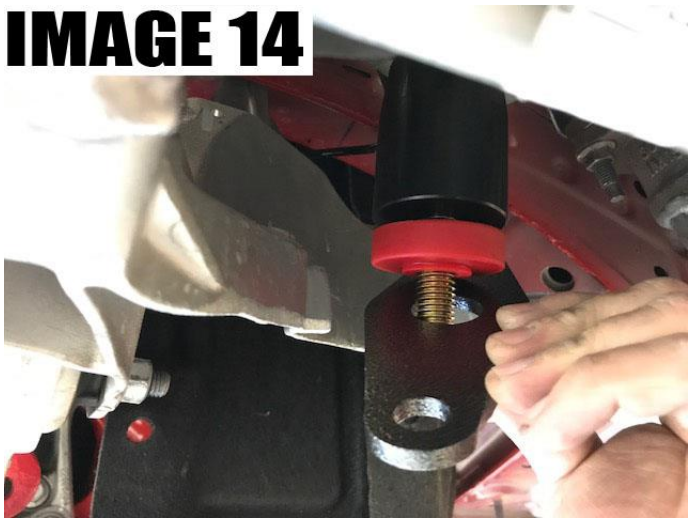


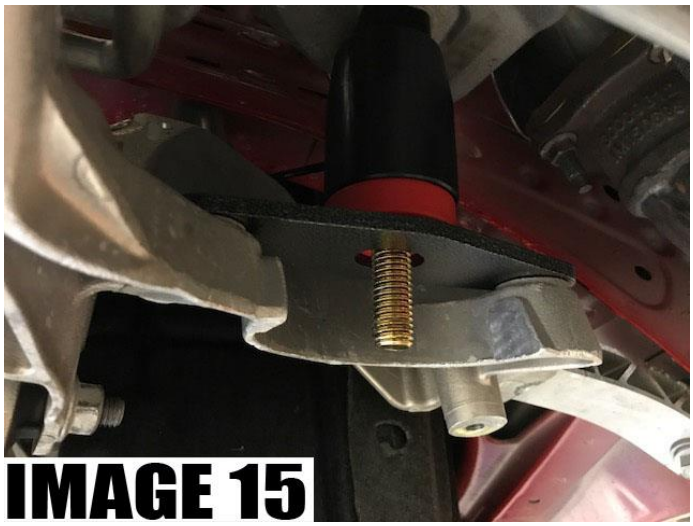
MM009
6TH GEN CAMARO MOTOR MOUNT KIT

continued

13. Using the 18mm socket, remove the motor mount from the engine stand.
14. Using a 24mm socket, install new motor mount as shown in **IMAGE 12 and 13**, ensuring the mount is clocked correctly on the stand and install stand to engine.

15. Install bushing, followed by lower motor mount plate with 2 15mm bolts as shown in **IMAGE 14**. Ensure shoulder of bushing is aligned in hole on plate as shown in **IMAGE 15**.





16. Install lower bushing, washer, and nut using 24mm socket. Tighten until at least 2 threads are exposed as shown in **IMAGE 16**.
17. Plug in A/C harness.
18. Reinstall oil cooler line, and reinstall clip to secure the line as shown in **IMAGE 17**.

MM009
6TH GEN CAMARO MOTOR MOUNT KIT

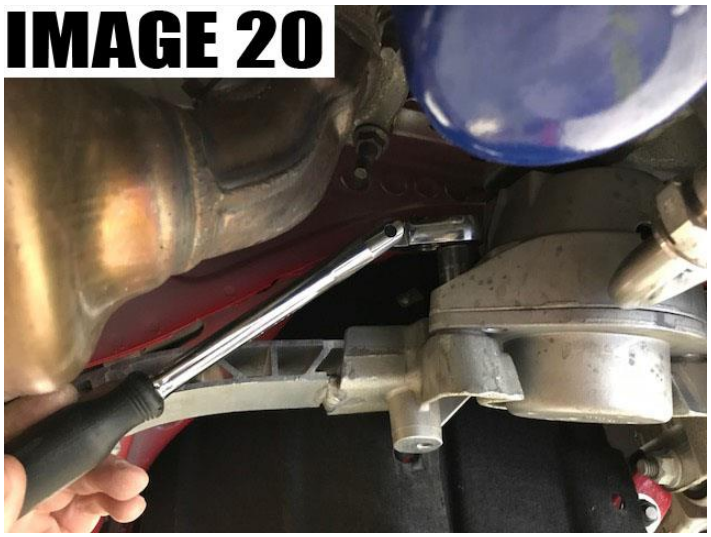
continued

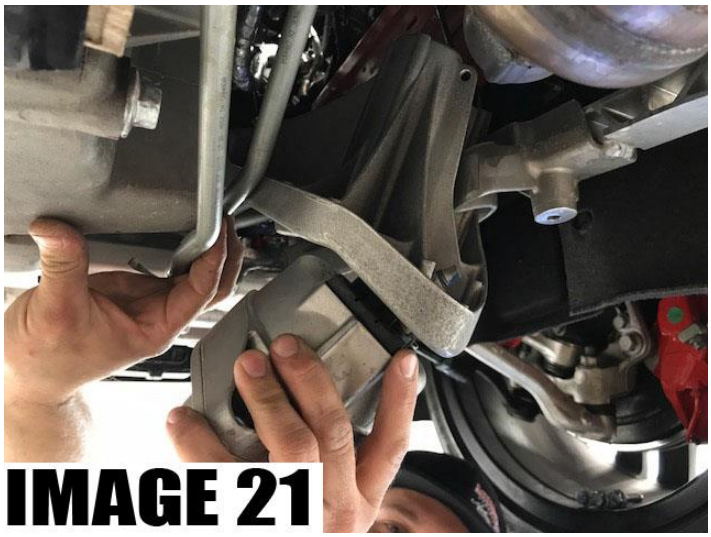
Passenger Side:
1. Using 10mm socket, remove transmission line tab from engine stand as shown in **IMAGE 18**.
2. Remove 3 15mm bolts holding engine stand as shown in **IMAGE 19**.

MM009
6TH GEN CAMARO MOTOR MOUNT KIT

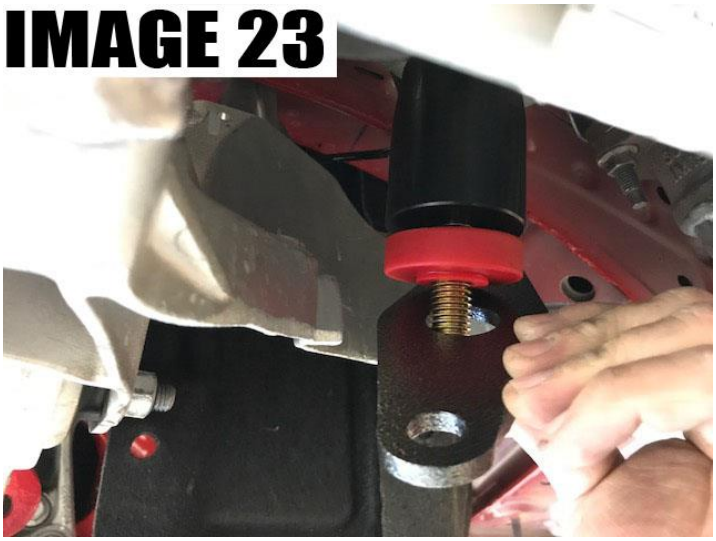
continued

3. Using 15mm socket and swivel head ratchet, remove 2 bolts holding motor mount as shown in **IMAGE 20**.
4. Remove motor mount assembly as shown in **IMAGE 21**.





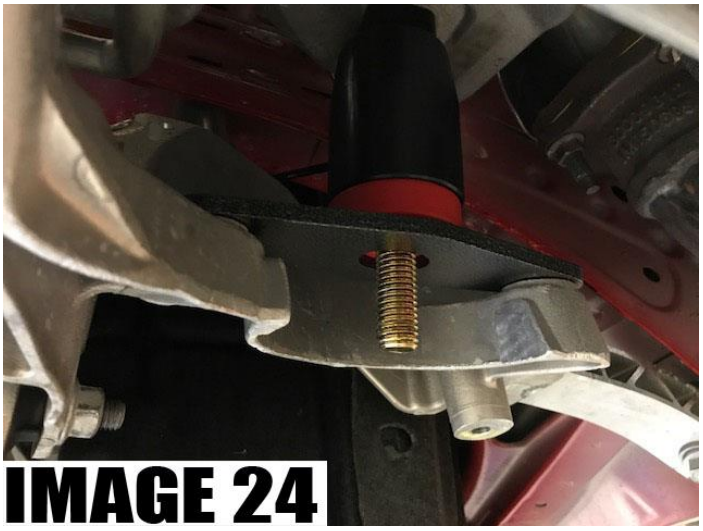
5. Using 18mm socket, remove the motor mount from the engine stand.
6. Using a 24mm socket, install the new motor mount as shown in **IMAGE 22**, ensuring the mount is clocked correctly on the stand and install stand to engine.
7. Install upper bushing and motor mount plate using 15mm socket and swivel head ratchet as shown in **IMAGE 23**.

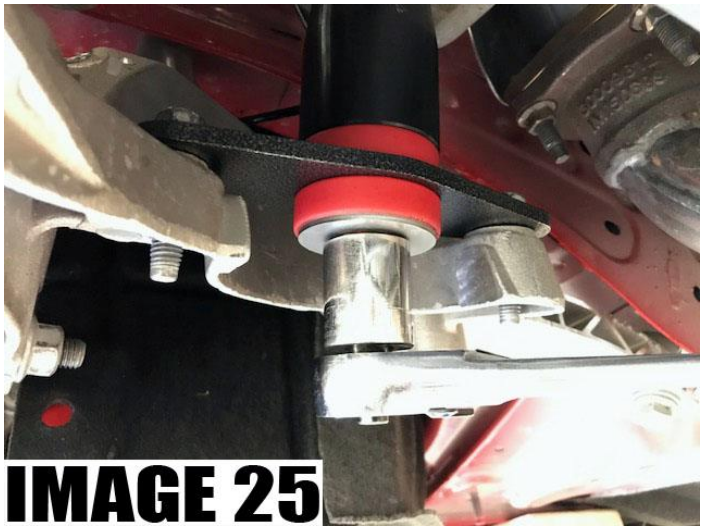


MM009
6TH GEN CAMARO MOTOR MOUNT KIT

continued

8. Ensure upper bushing is seated correctly in motor mount plate as shown in **IMAGE 24**.
9. Install lower bushing, washer, and nut and tighten using 24mm socket until at least 2 threads are visible as shown in **IMAGE 25**.





10. Reinstall chassis brace and all splash guards. Refer to steps 2 - 5 in reverse order.
11. Lower car, refill cooling system.

This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to the vehicle or person during installation or use of this product.

Attention: Polyurethane and Delrin bushings must be properly lubricated with a <u>full synthetic grease</u> only

A full synthetic grease must be used to lubricate the inner sleeve via the grease fitting, contact points such as the outside faces of the polyurethane bushing must also be greased. We recommend Green Grease/Super Lube <u>full synthetic grease</u> for best results.

<u>Do not install bushings dry</u>. Lack of proper lubrication may cause squeaking, binding, premature wear, reduced performance, or damage to the bushings and related components. Bushings should be inspected and re-greased as needed, especially in harsh driving conditions or high-use applications.