GC / GD (90-07) Rear Frame & T-Bar
Install Instructions

Important Installation & Safety Notice

This product should only be installed by individuals experienced with aftermarket performance parts and the operation of high-performance vehicles.
If the vehicle must be raised, the installer must use proper jacks, jack stands, or a professional vehicle hoist to ensure personal safety and prevent property damage.
Improperly lifting a vehicle can result in serious injury or death!
Please read all instructions completely before beginning any part of the installation. Always wear appropriate personal protective equipment, including gloves, eye protection, and hearing protection.
If you have any questions, please contact our tech department before starting. You can reach us through any of the following methods:

Facebook direct message:
https://www.facebook.com/TSSfabulous/

Email: Gabe@tssfab.us

Included parts and hardware:

REAR FRAME HARDWARE

Frame Mount Hardware - x4 M12x1.25 50mm + x4 M12 Cone Washer + x4 Washer
Lateral Link Mount Bolts - x4 M12x1.75 65mm + x4 Lock Nuts
If needed - M14 to M12 Bushings (Adapt 14mm Rear Lateral links to 12mm_
Solid Mount Hardware - x2 M12x1.75 70mm + x4 RF MAS + x2 COM10 + x2 Snapring
Or
Poly Mount Hardware - x2 M12x1.75 70mm + x2 TSS Poly Kit
If selected:
Extra Chassis Mount Kit - x1 ECM Plate Kit + x1 .875\"x12mm 2.125\" Spacer + x1 M12x1.75 70mm

T-BAR HARDWARE

x2 T-Bar/Trailing Arm Brackets + x8 M12x1.25 25mm
x2 Nose Side Brackets + x2 M12x1.75 25mm
Nose Mount Bolts x4 M12x1.75 100mm
T-Mount Hardware x2 M12x1.75 75mm + x2 Lock Nuts + x4 Solid Alu Inserts
Or
T-Mount Hardware - x2 M12x1.75 75mm + x2 Lock Nuts + x2 Poly Kit

Install Instructions

- Remove OEM rear end assy as per your chassis Factory Service Manual

- After OEM Rear end assy has been removed, you will have something that looks like this.

NOTE: The photos supplied are a GD Chassis.



Install Instructions Continued

- Install Rear subframe bushings, this task will be easier out of the car.

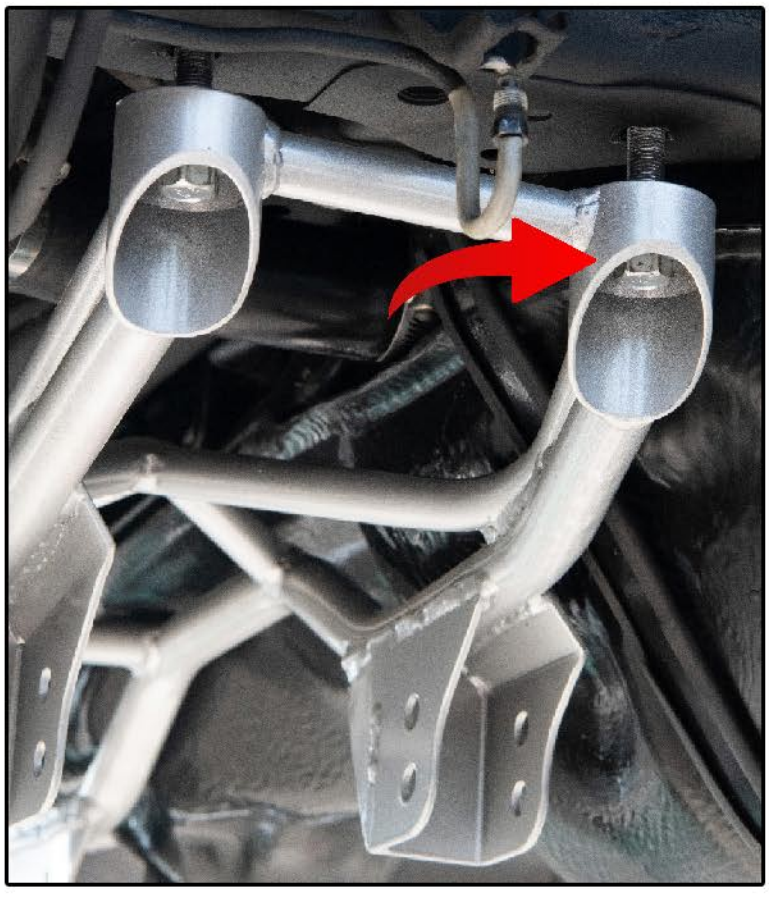
NOTE: Raw (un powdercoated frames) will NOT come with bushings pre installed.

- Poly bushings should be fully seated against the bushing seat. COM Bearings are installed via C Clip, it is recommended to install with a small amount of grease if any metal on metal contact occurs. after install it will look like this.

NOTE: LOOSEN FUEL TANK STRAPS BEFORE FRAME INSTALL. LOOSENING FUEL TANK STRAPS AND PRYING/SLIDING TANK FORWARD OFTEN INCREASES ROOM FOR FRAME UPPER LINK MOUNTS. AFTER TANK HAS BEEN RE POSITIONED FORWARD, TIGHTEN INTO PLACE.



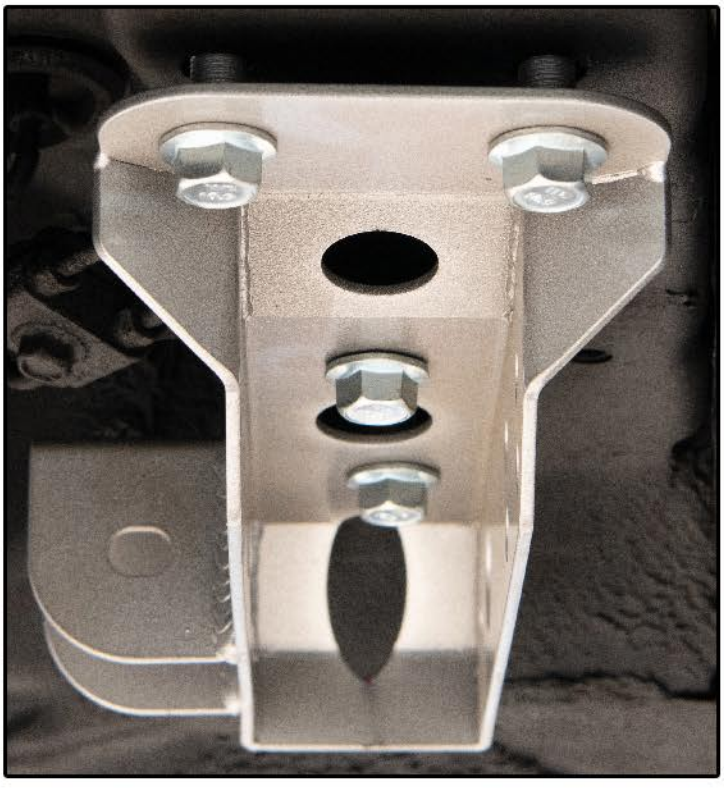
- Install rear frame **LOOSE** using supplied X4 M12x1.25 50mm + x4 M12 Cone Washer + x4 Washer



NOTE: EVERYTHING MUST BE MOCKED UP LOOSE BEFORE TORQUING TO SPEC AT END OF INSTALL

Install Instructions Continued

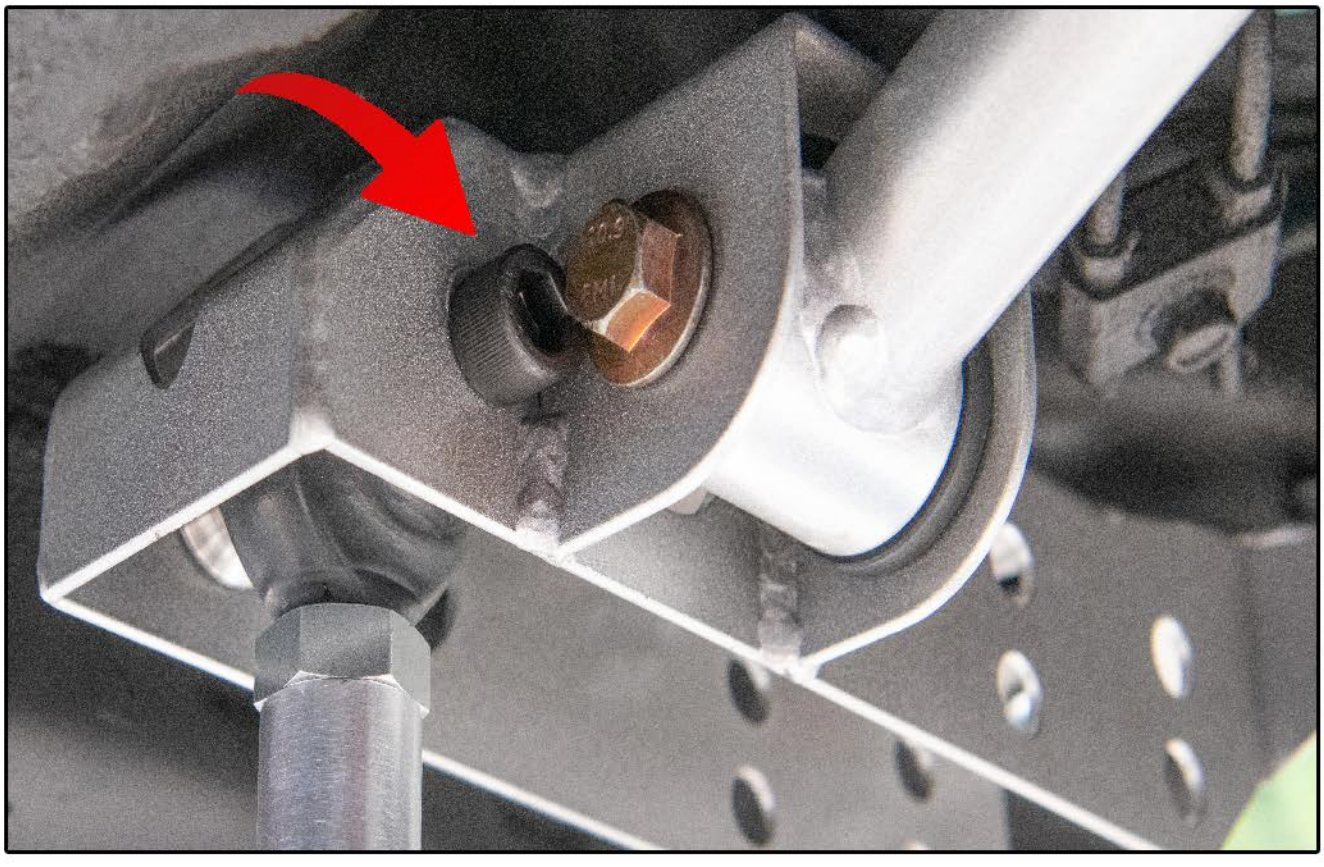
- Install T-Bar Trailing Arm Brackets **LOOSE** using supplied x8 M12x1.25 25mm Hardware like so.





NOTE: If installing XXXL TA's, install and tighten to T-Bar Trailing arm brackets now, T-Bar end bolts block XXXL bolt hole access.

- After XXXL Trailing arms have been tightened using supplied x2 m12x1.75 90mm socket cap bolts you can torque to FSM Spec (Refer to FSM for your chassis) like so.



Install Instructions Continued

- Before T Bar install, bushings will need to be installed.

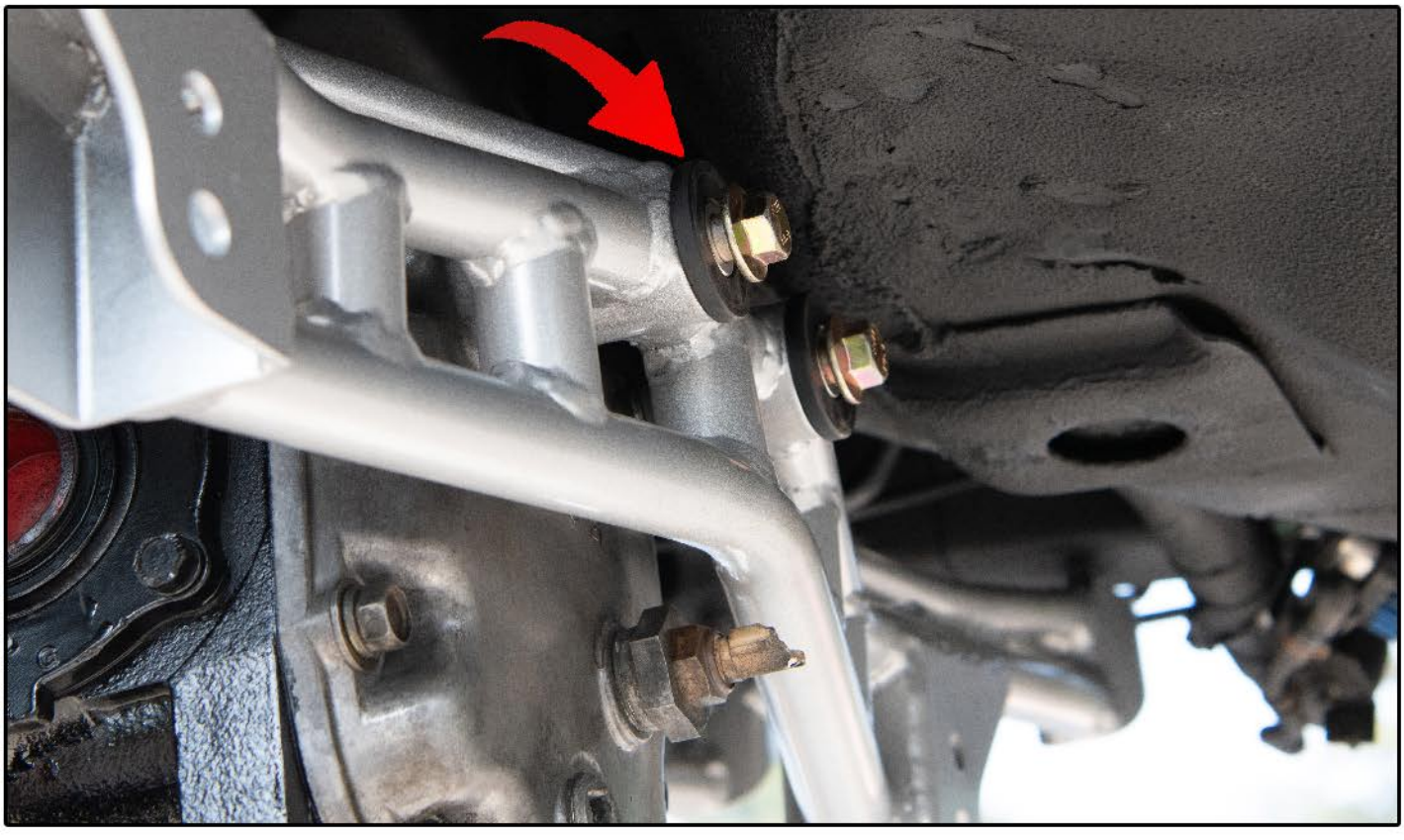
- Install T-Bar **LOOSE** using supplied hardware like so.

SOLID MOUNT HARDWARE: x2 M12x1.75 75mm + x2 Lock Nuts + x4 Solid Alu Inserts
POLY MOUNT HARDWARE: x2 M12x1.75 75mm + x2 Lock Nuts + x2 Poly Kit



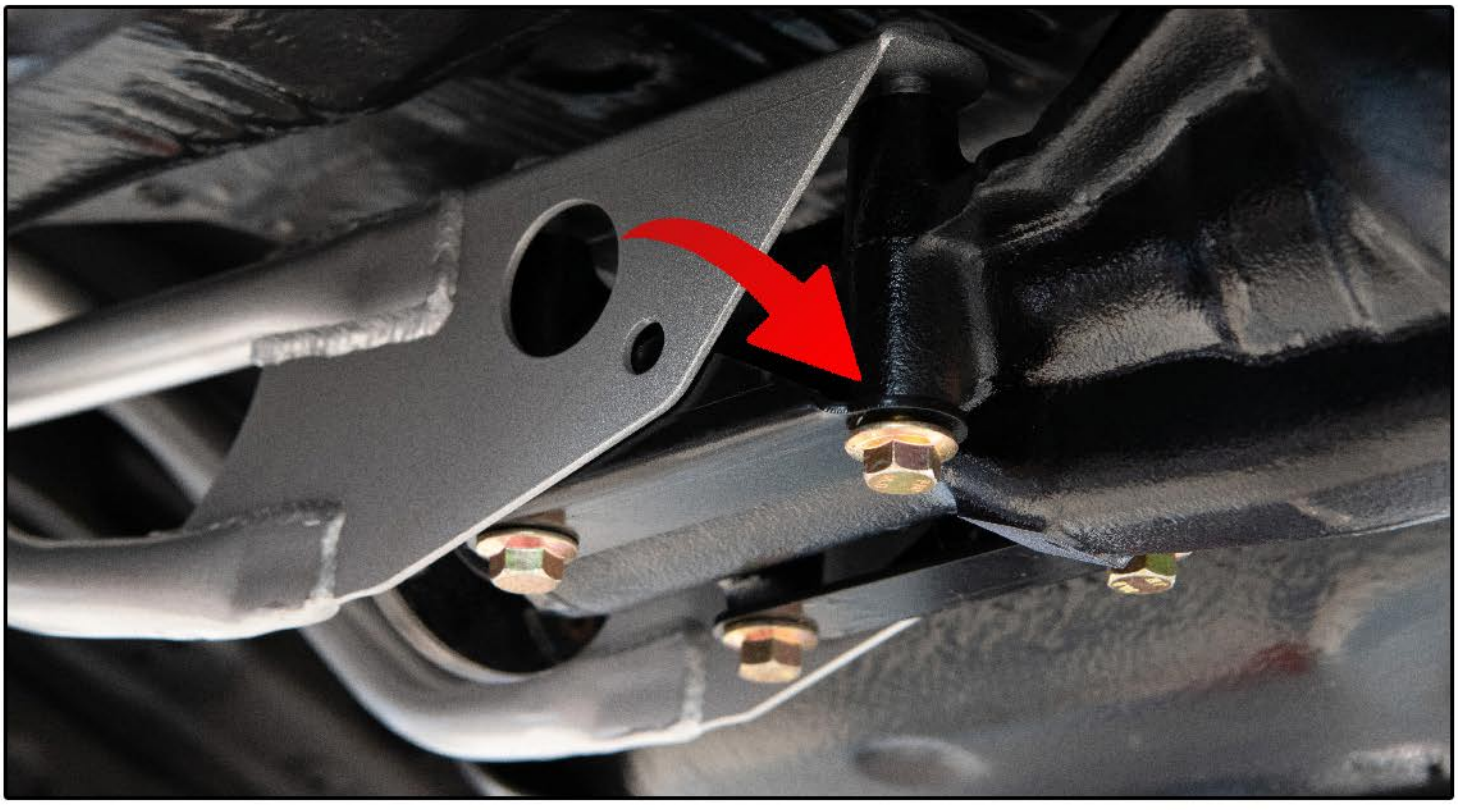
- Install rear diff 70% into **REAR FRAME** using provided **x2 M12x1.75 70mm** bolts, due to OEM stud length you will need to **remove the factory studs** on the diff and use the supplied bolts instead.

- After the rear diff studs have been removed, supplied bolts have been threaded 70% in, it will look like so.

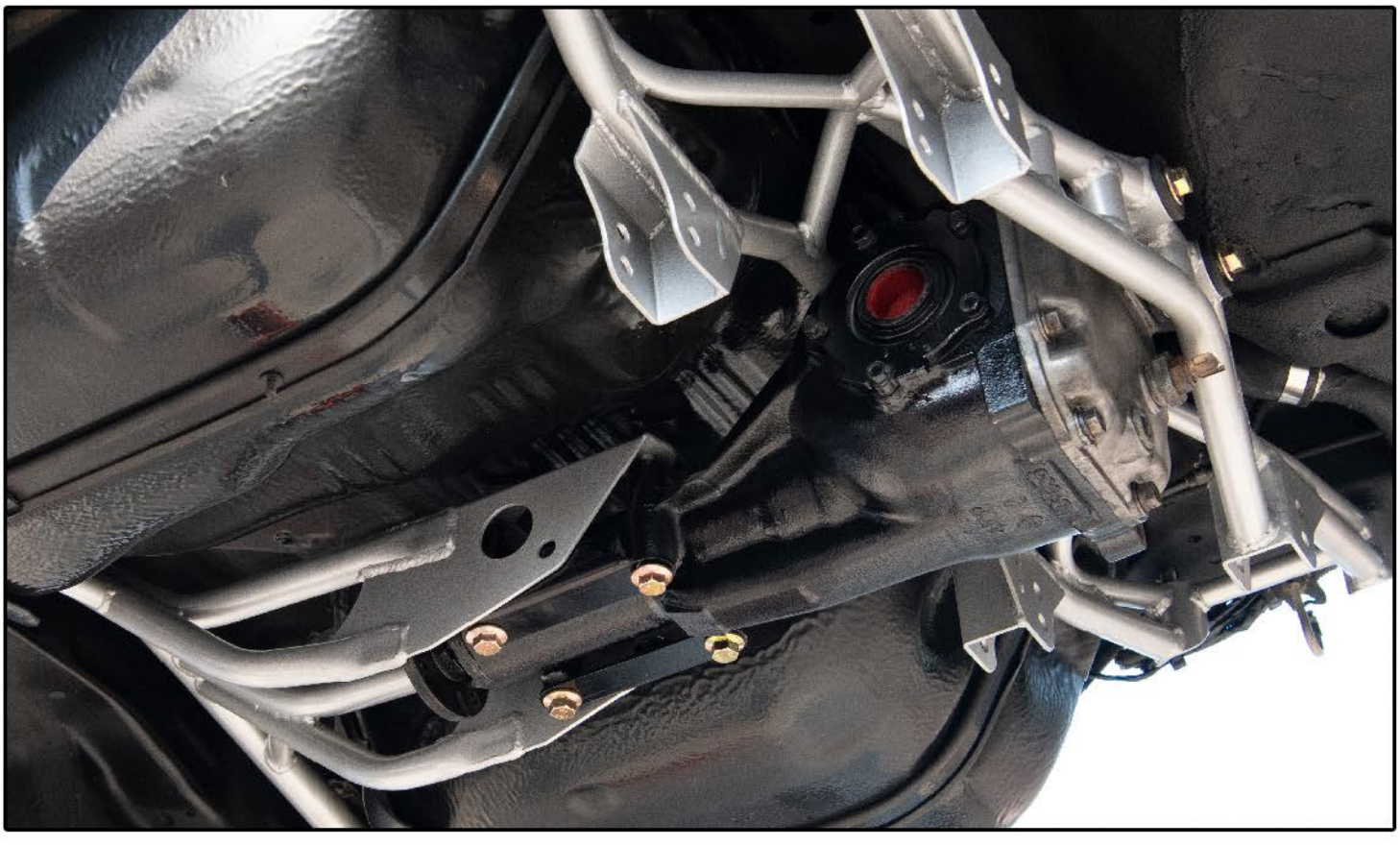


Install Instructions Continued

- Bolt nose of diff into t-bar with side brackets 80% tight using Nose Mount Bolts x4 M12x1.75 100mm, **leave loose** like so.

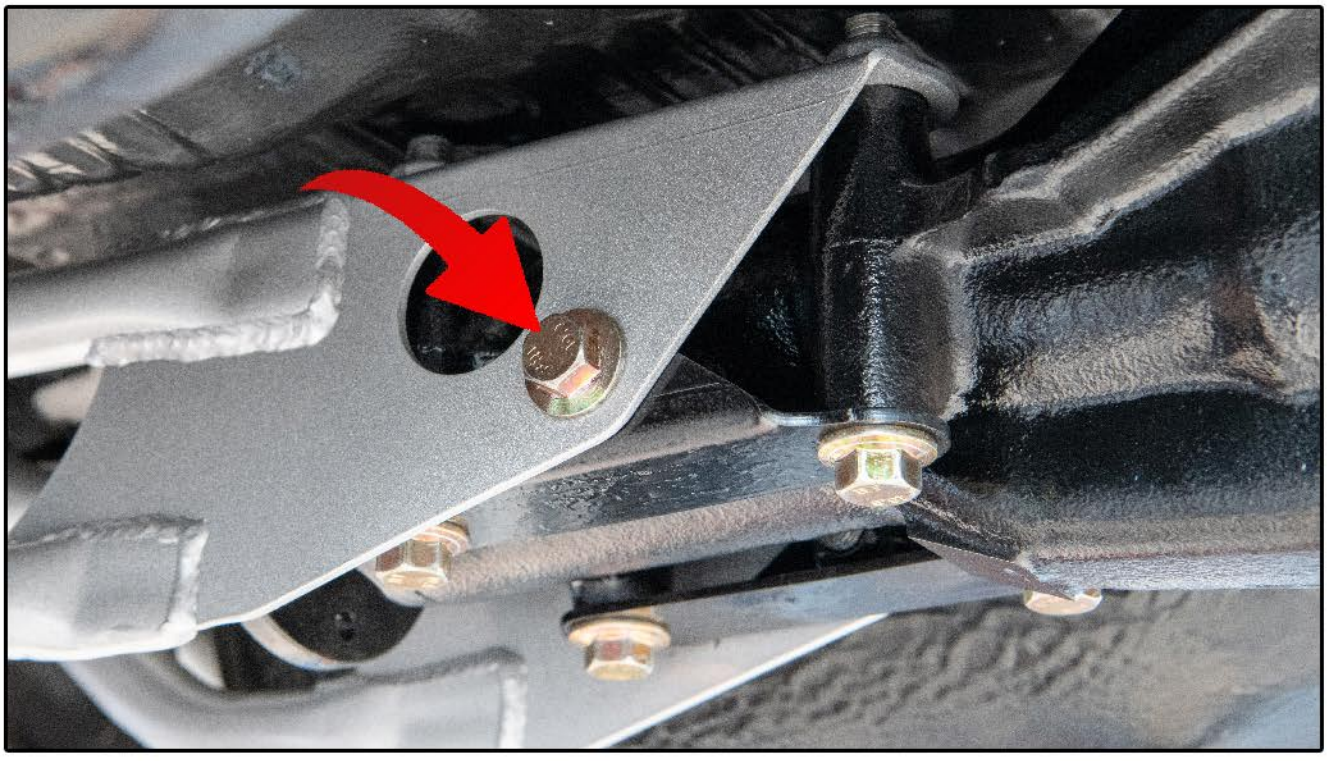


- After nose of diff has been threaded 80%, this is how it should be sitting loose.



Install Instructions Continued

- Thread x2 Nose Side Bracket bolts + x2 M12x1.75 25mm into diff nose brackets, be sure to thread these bolts in while the brackets are still loose.



- At this point, all parts should be hanging under the car still **LOOSE.**

- This is our recommended tightening sequence.

T-Bar Ends

Tighten x8 T-Bar Trailing Arm Bracket bolts 90%

Tighten T-Bar nose 100's

Tighten nose side bolts

Tighten rear frame sockets in X pattern

Final 10% of x8 T-Bar Trailing Arm Brackets

Tighten Rear diff bolts

- Below is a photo of the OPTIONAL rear frame extra chassis mount. it will require fabrication and plating.

- The extra chassis mount kit will come with x1 ECM Plate Kit + x1 .875\"x12mm 2.125\" Spacer + x1 M12x1.75 70mm.

