



## INSTALLATION INSTRUCTIONS

### Ultimate Engine Mounts for the ISF / RCF / GSF

P/N ISFENGMT01



Thank you for purchasing the RR Racing Ultimate Engine Mounts. (USRS).

Required tools/equipment:

1. Lift
2. Torque wrench
3. Wrenches/basic tools.

With proper equipment, engine mount installation can be performed in 1.5hrs or less. We recommend installing engine mounts during header installation. Also, since the rear lower control arm bushing needs to be removed for install, it is also a good time to install our USRS bushings!

### **WARNING**

It is the responsibility of the person installing this component or kit to determine the suitability of the component or kit for that application. If you are not sure how to safely use this component, you should not install or use it. Do not assume anything. Improperly installed or maintained suspension components can be dangerous. If you are not sure how to install this product, please get help. You may obtain help by emailing us or calling us, but we cannot understand or foresee all possible issues that may arise in your installation, so it is your responsibility, or the person who installs this product, to know how to properly use this product.

This product was developed for competition & racing use. Like all racing equipment, it must be maintained and inspected regularly for damage, fatigue, and wear.

**STOP:** Installation of this kit should only be performed by experienced mechanics.

## **Installation Instructions:**

- 1. Remove front wheels**
- 2. Remove rear lower control arm bushing**
- 3. Support engine from below**
- 4. Remove 2 engine mount nuts (right and left)**
- 5. Remove 2 bolts holding the steering rack to the subframe. Support the steering racks so that it is not hanging on the wiring harness.**
- 6. Remove all subframe bolts, and remove the subframe.**
- 7. Remove 4 bolts on each side that hold the engine mount bracket to the engine block.**
- 8. With engine mount bracket removed, install the RR Racing mounts as shown. Tighten the upper engine mount nut to 52ft-lbs. You will need to hold the bolt head with a wrench inserted into the engine mount housing slot. Make sure engine mount is oriented as shown in the picture below.**



**9. Apply the gold foil heat tape to the bushing material as shown below:**



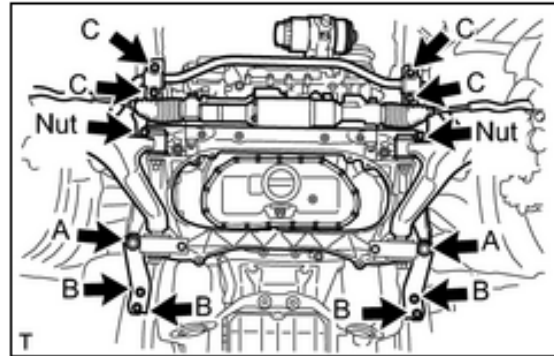
**10. Reinstall all parts in reverse order**

**11. Tighten all bolts to the factory specifications listed below:**

**Lexus ISF**

**Torque:**

- Bolt A -**  
188 N·m {1917 kgf·cm, 138ft·lbf}
- Bolt B -**  
50 N·m {510 kgf·cm, 37ft·lbf}
- Bolt C -**  
49 N·m {500 kgf·cm, 36ft·lbf}
- Nut -**  
154 N·m {1570 kgf·cm, 113ft·lbf}

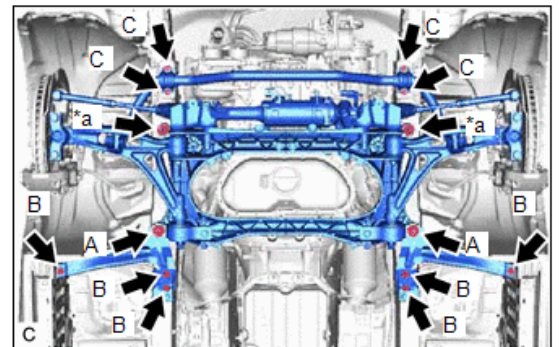


**Lexus RCF & GSF**

(d) Install the strut bar bracket reinforcement LH, strut bar bracket reinforcement RH and front suspension crossmember sub-assembly with the 8 bolts and 2 nuts.

**Torque:**

- Bolt (A) :**  
194 N·m {1978 kgf·cm, 143 ft·lbf}
- Bolt (B) :**  
57 N·m {581 kgf·cm, 42 ft·lbf}
- Nut :**  
151 N·m {1540 kgf·cm, 111 ft·lbf}



*a	Nut
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## FAQ

### **Q: Do I need an alignment after installing the engine mounts?**

A: Generally speaking, if your alignment was in order before installing the mounts, then it should be fine after installation, but it is always a good idea to perform alignment when removing/replacing the subframe.

### **Q: How often do I need to service the bushing?**

A: You should not need to service the bushing, but in the event the bushing needs replacement, please contact us. We offer a lifetime warranty on the bushing (to the original owner), provided that damage was caused through normal use of the engine mount, not due to accidents or improper installation.

### **Q: Should I feel vibration with these engine mounts?**

A: Due to the fact that these engine mounts significantly reduce engine movement, some minor vibration may be felt at idle.

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### **Additional questions?**

Please call us at 484-756-1777 or email at [Service@RR-Racing.com](mailto:Service@RR-Racing.com)

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