JAMES BARONE RACING

2013+ FOCUS ST/RS TRANSMISSION MOUNT INSTALLATION INSTRUCTIONS

What you will need:

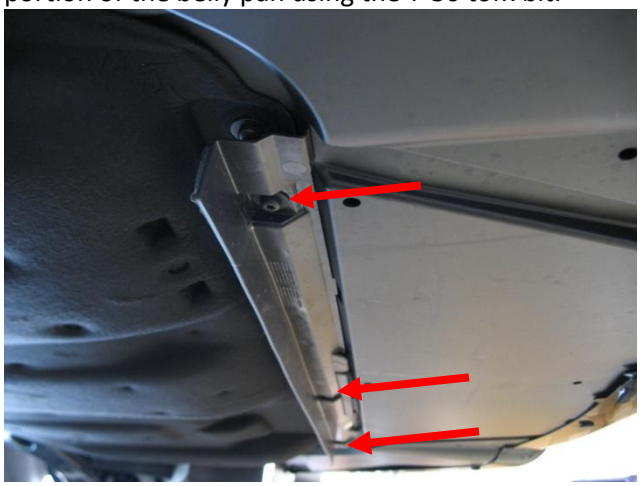
- ✓ Jack and jack stands. (Jack stands are preferred)
  - Ramps will work but, the job will be much more difficult because the suspension will rise not allowing for proper support of the transmission when the mount is removed.
- ✓ Ratchet wrench
- ✓ 6” socket extension
- ✓ 8mm, 10mm, 14mm, 15mm and a 19mm deep socket
- ✓ Flat head and philips head screw driver
- ✓ Torque wrench
- ✓ T-30 torx bit
- ✓ Red Loctite (optional)

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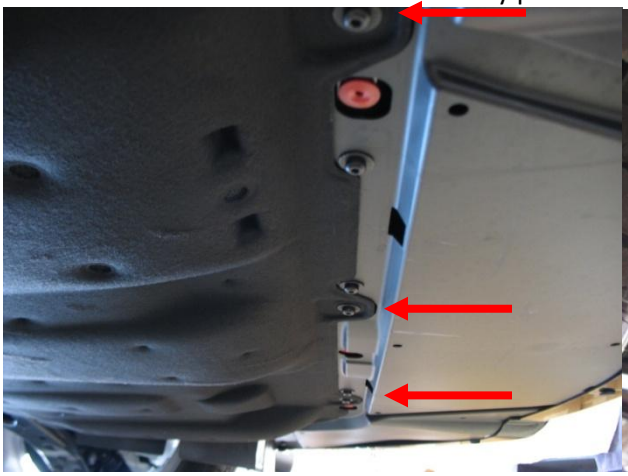
- **Begin by parking on a smooth level surface with the emergency brake engaged. Jack up the front of the vehicle and position jack stands underneath both sides.**

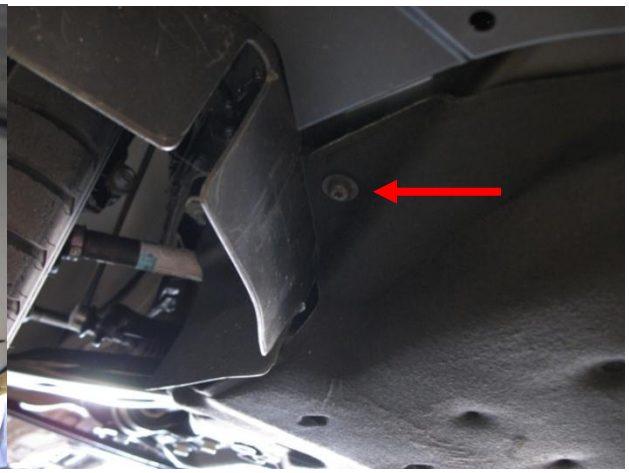
  Refer to your vehicle's owner's manual for proper jack placement and supporting procedures.
  <u>Never get under a vehicle without the proper support in place.</u>

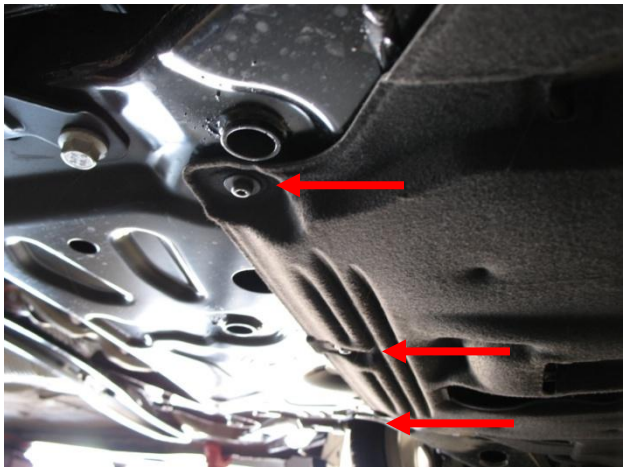
1. Remove the front portion of the belly pan using the T-30 torx bit.



2. Remove the remainder of the belly pan.

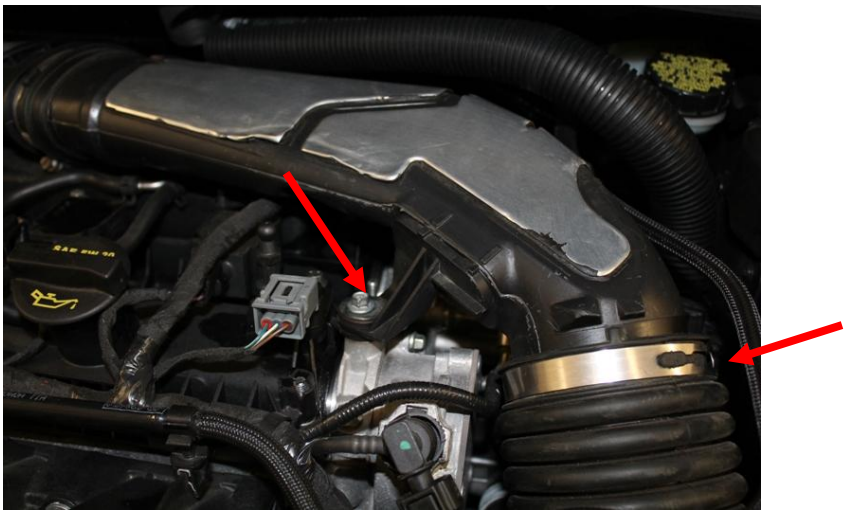




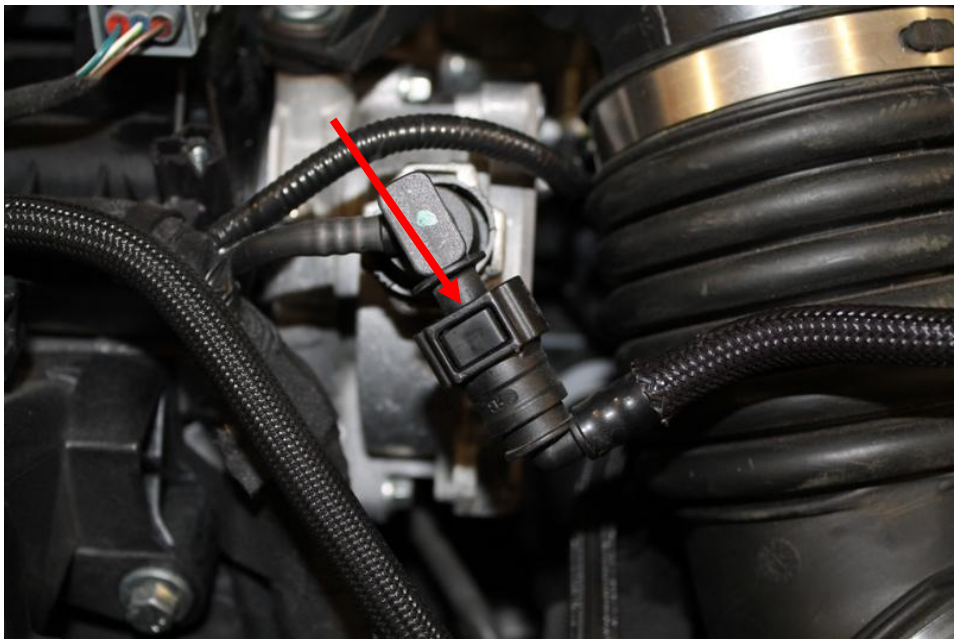


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3. Using a 8mm deep socket remove the bolt securing the intake tube to the motor. Then using philips head screw driver loosen the clamp securing the intake hose to the intake tube.

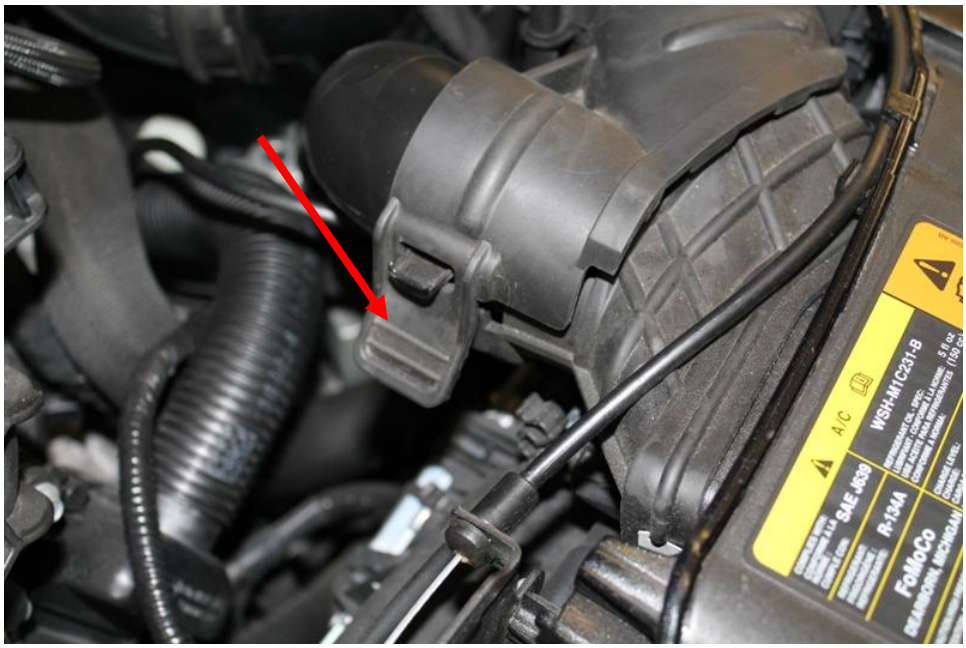


4. Squeeze both sides of the vacuum connector shown below and remove.



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5. Unclip the rubber strap holding the cold air intake duct.

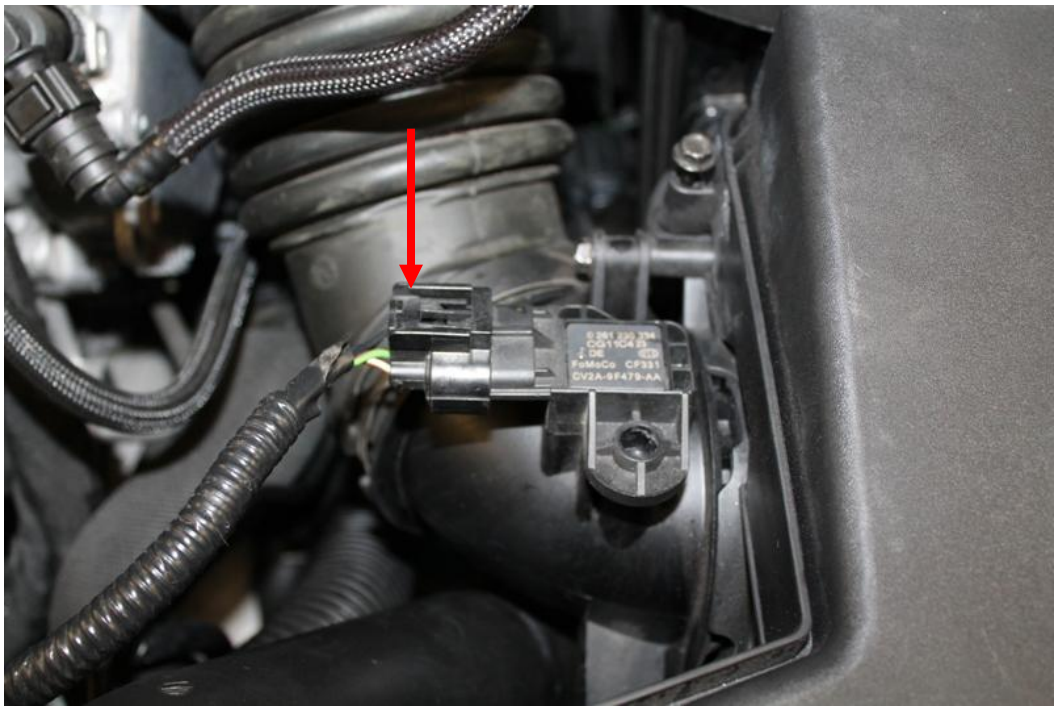


6. Remove the rubber strap securing the bottom portion of the air box to the front core support.

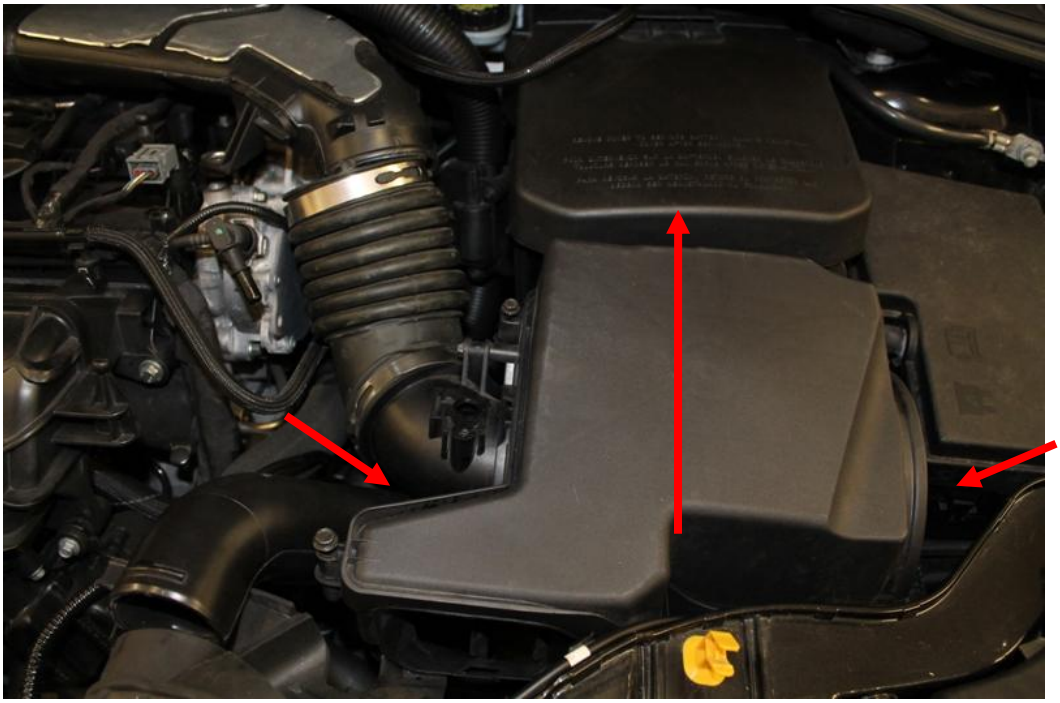


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7. Remove the MAP sensor connection by depressing the tab and pulling towards the passenger side.

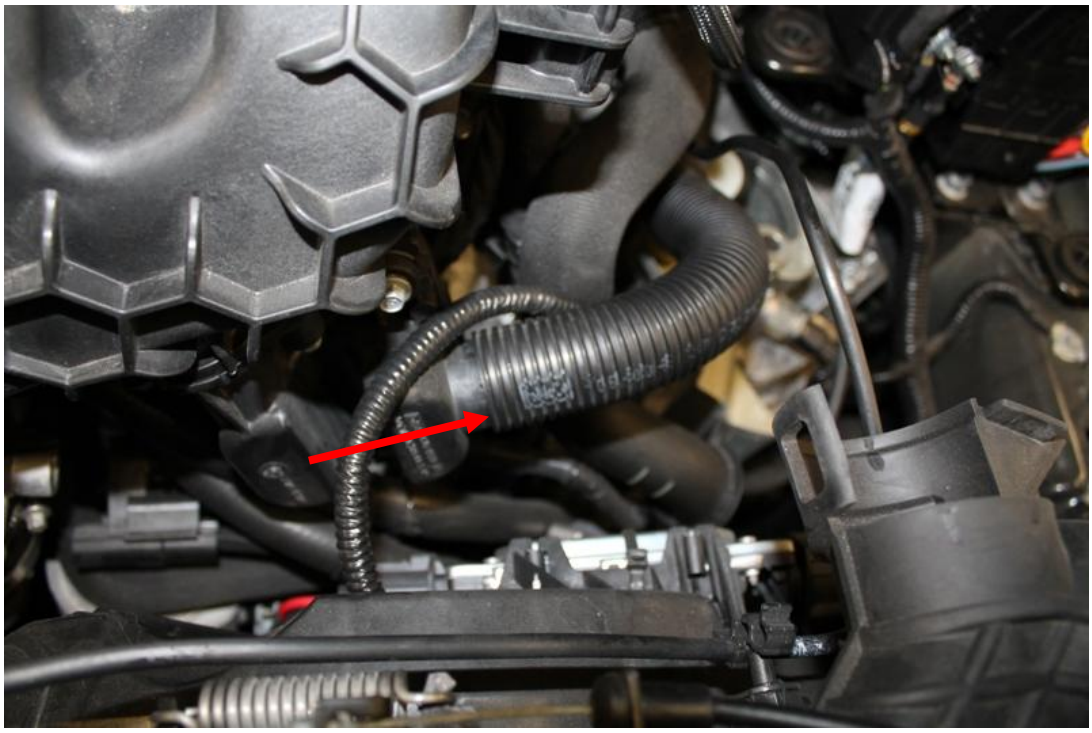


8. Grab the sides of the air box assembly; give it a swift tug upwards to remove it from the grommets that secure it to the vehicle. Then remove the entire air box assembly from the vehicle.

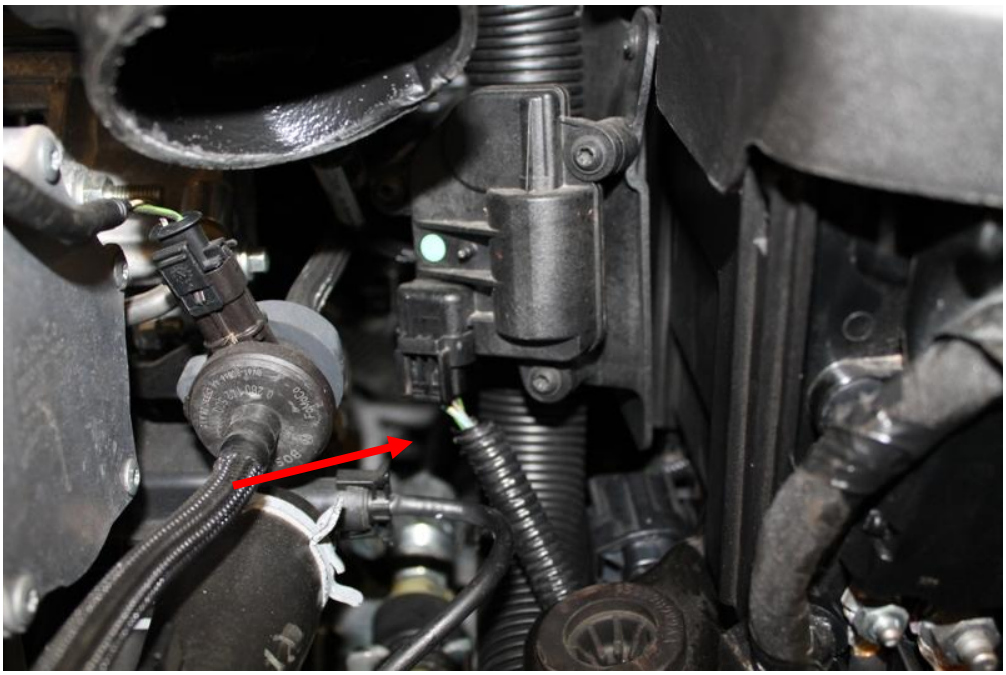


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9. Remove the sound symposer hose by pulling it towards the driver's side.



10. Remove the electrical connector from the sound symposer control module by depressing the tab and pulling down..



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11. Remove the other end of the sound symposer hose beneath the cowl by pulling towards the driver's side.



12. Remove the front battery cover then the rear cover.

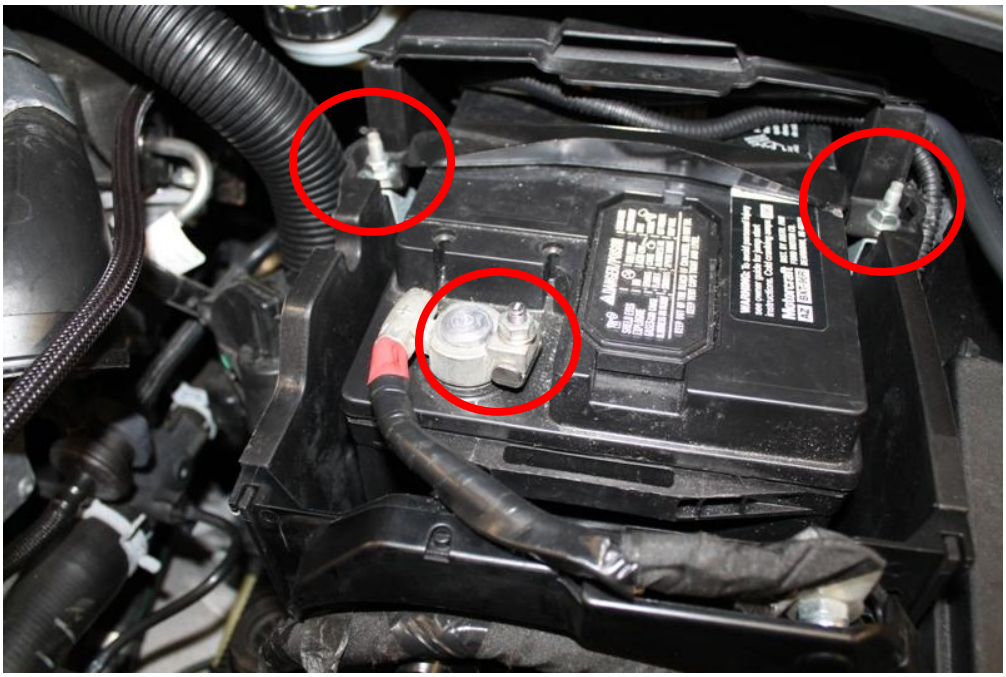


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13. Remove the fuse box cover by depressing the tab at the rear of the cover. Using a 13mm socket, remove the negative ground wire. **(BE SURE IT TOUCHES NOTHING METAL)**

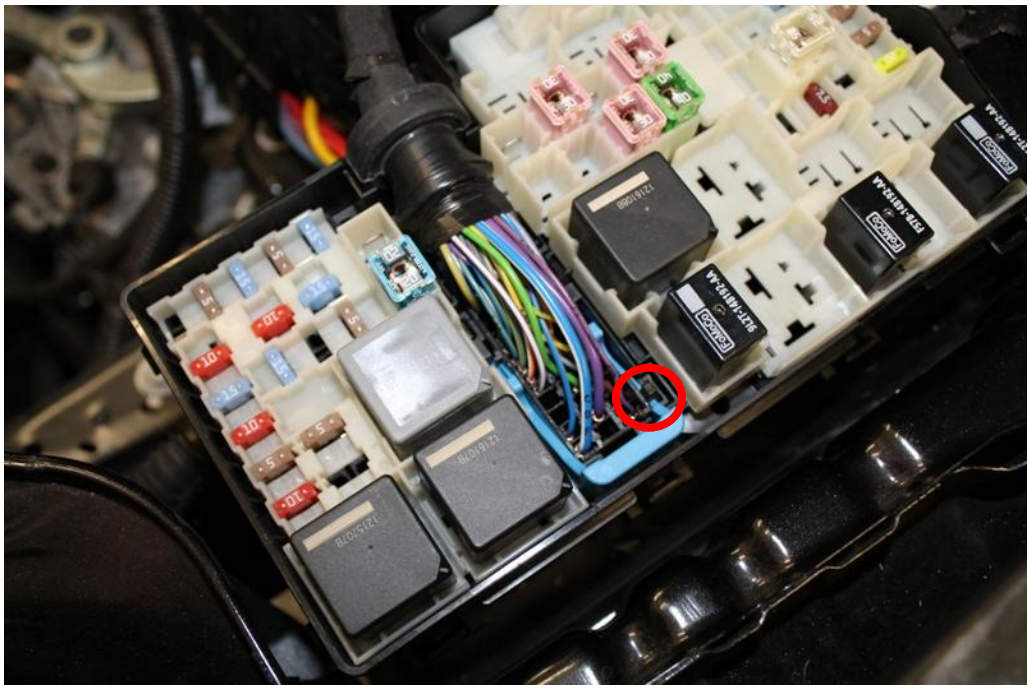


14. Using a 10mm socket, remove the positive battery cable and the battery hold down strap.

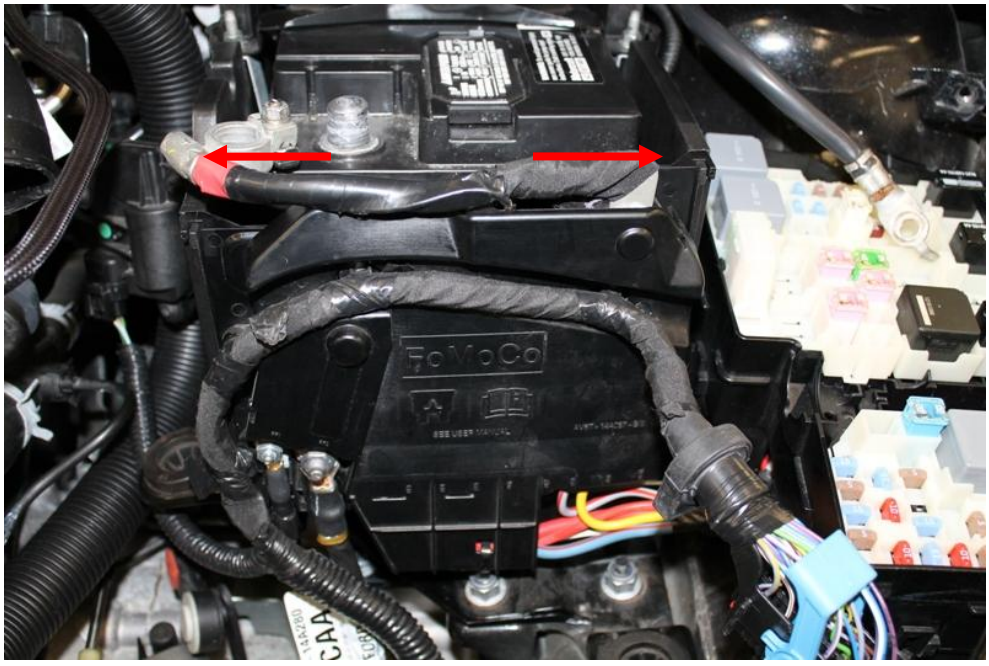


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15. Unclip the wiring harness from the fuse box by moving the little black tab towards the rear of the car and lifting the blue lever to raise the connector up.

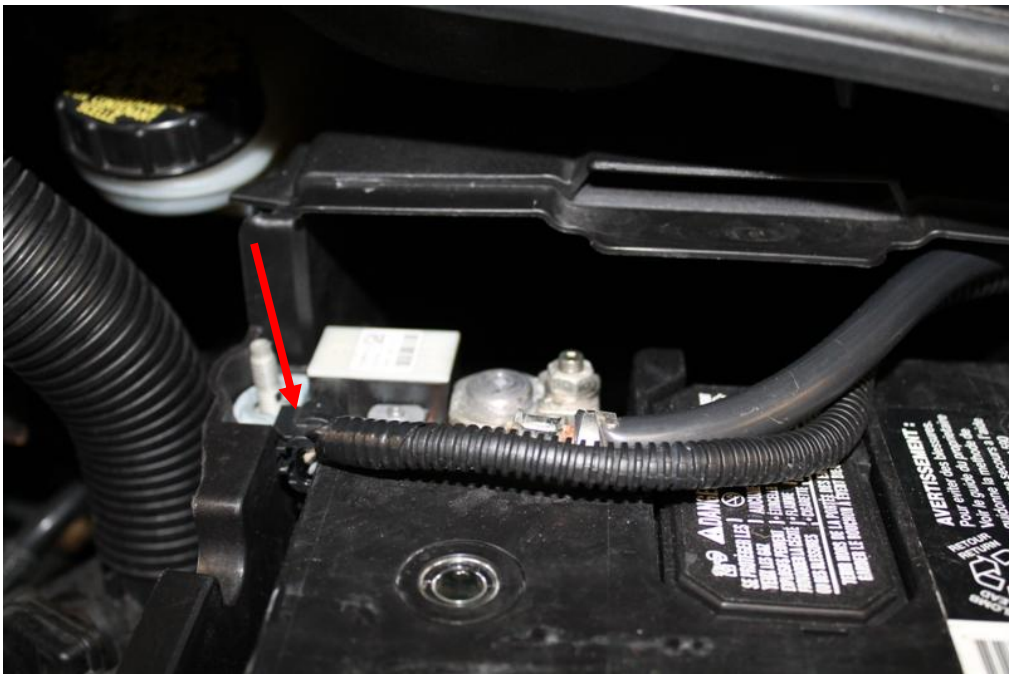


16. Spread the front section of the battery box to remove the front cover and lay it flat towards the front of the vehicle.



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17. Slide the battery forward and remove the electrical connector at the negative terminal and remove the battery from the vehicle.

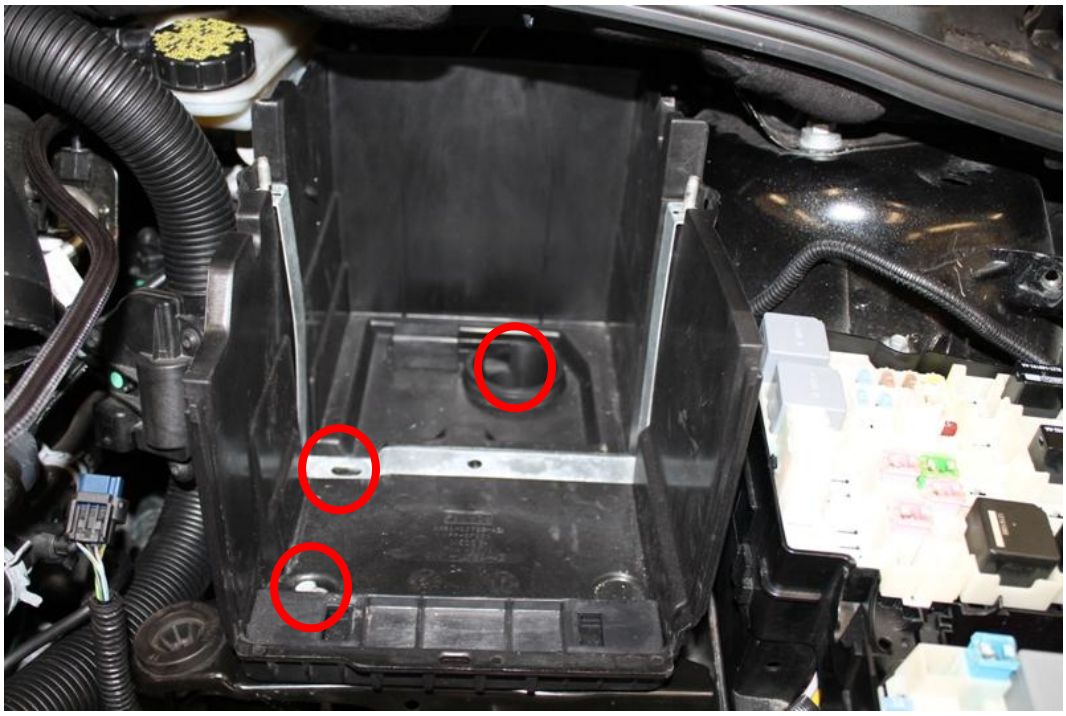


18. Support the transmission with a jack in the area shown below.

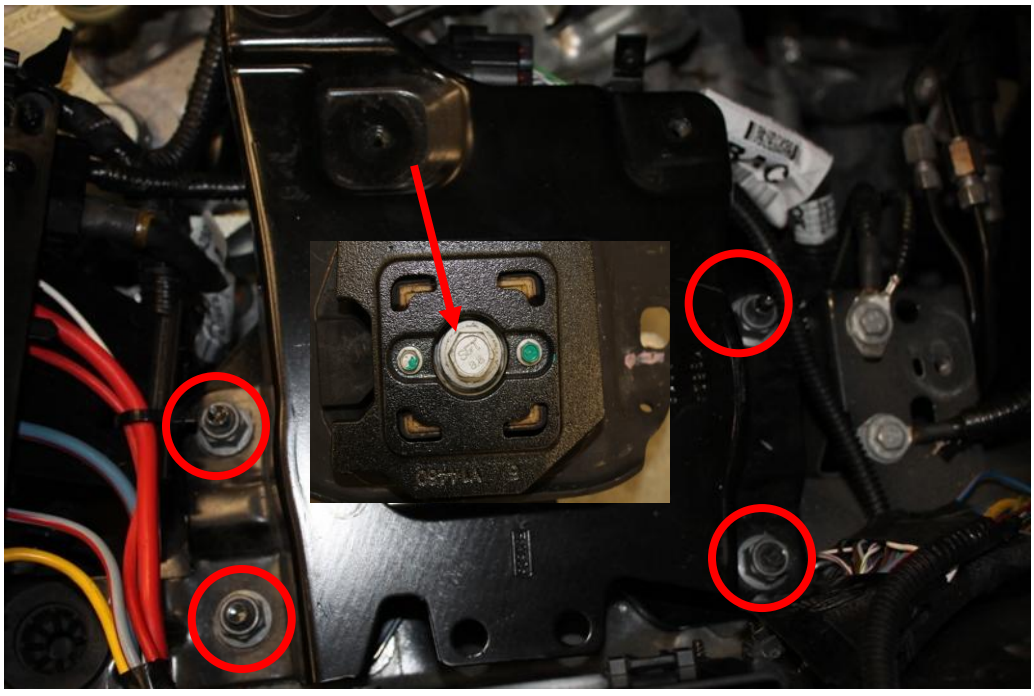


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19. Using a 10mm socket, remove 3 bolts securing the battery box and remove the battery box and sound symposer assembly from the vehicle.

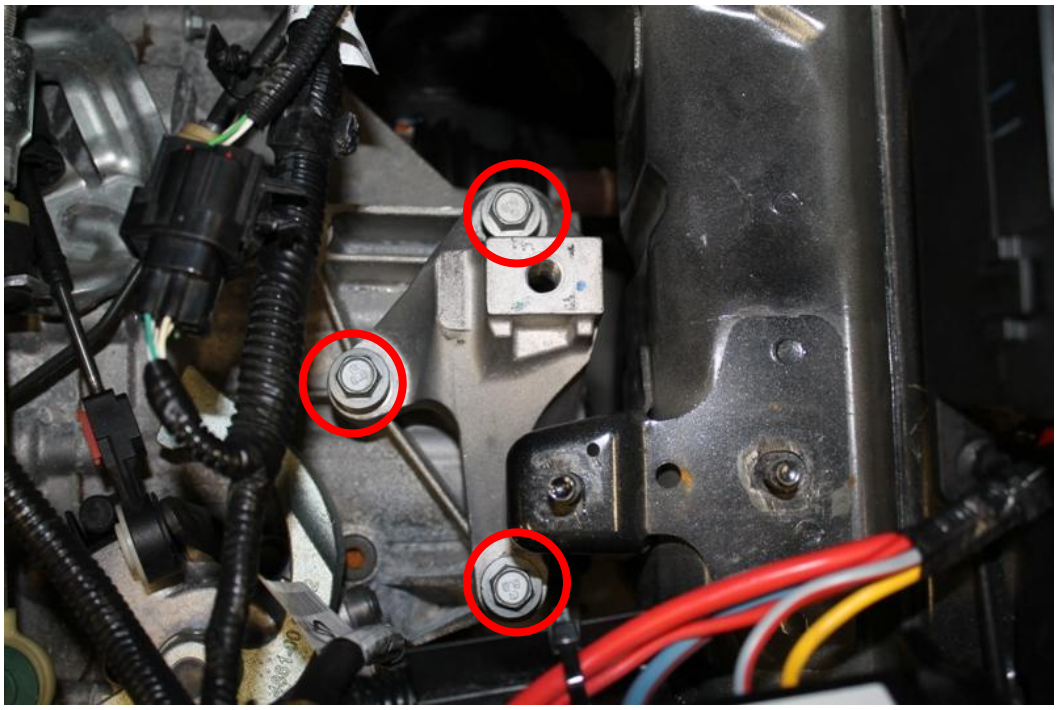


20. Using a 14mm socket, remove the 4 nuts securing the battery box mounting bracket. Then using a 19mm socket, remove the main center bolt from the transmission mount and remove the upper half of the OEM mount from the car.

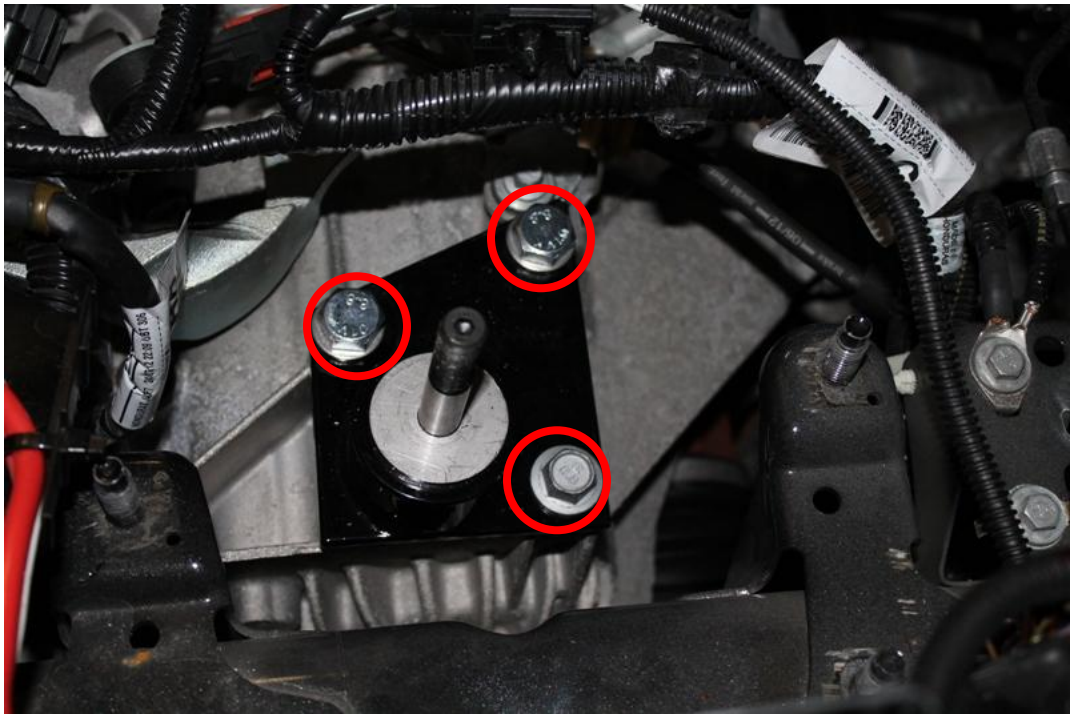


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21. Using a 14mm socket, remove the 3 bolts securing the lower portion of the OEM mount to the transmission.

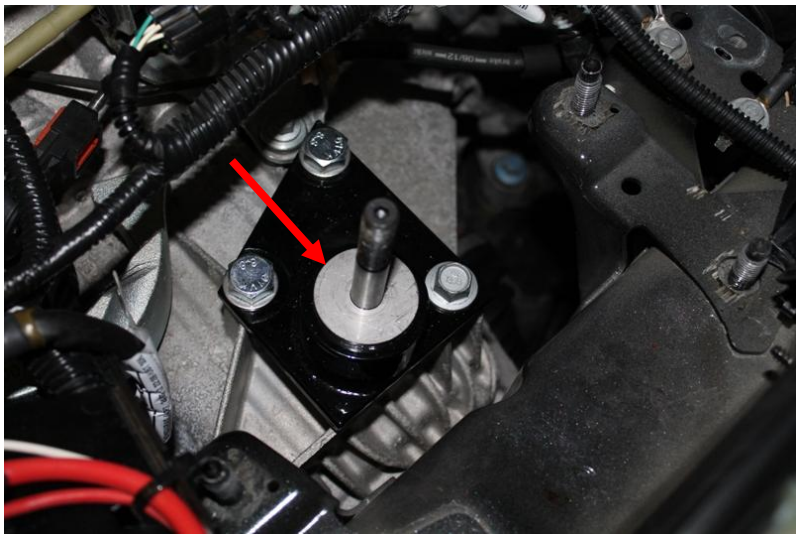


22. Install the new perch provided with you JBR transmission mount using two of the supplied bolts and flat washers along with one of the OEM bolts removed in the previous step. The bolts must be installed as shown below. The use of some red Loctite is recommended to secure the bolts. Use a 14mm and a 19mm socket, torque the bolts to 45ft/lbs

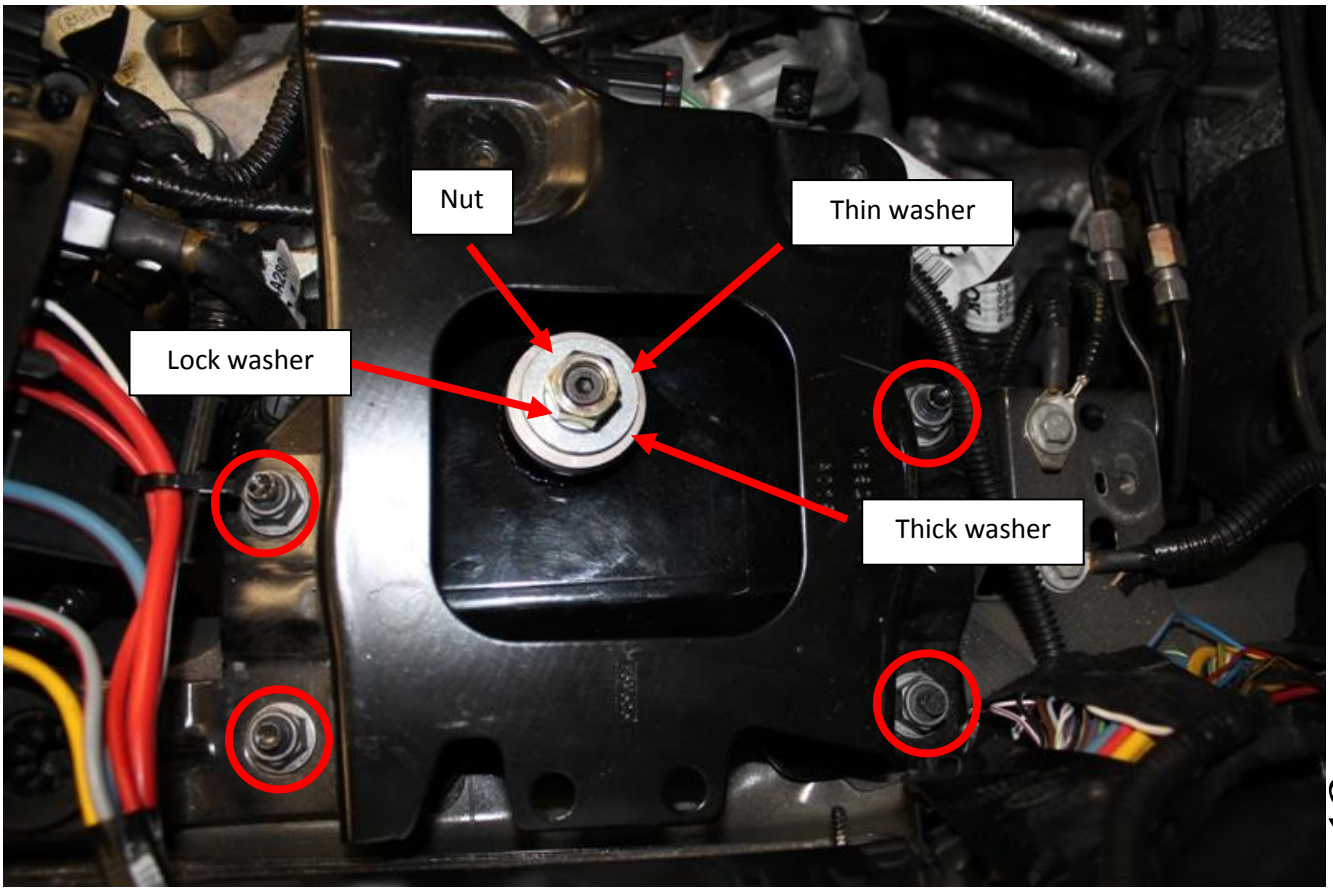


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23. Install ONE of the thick washers included with your JBR transmission mount over the stud.



24. Install the top portion of your new JBR transmission mount over the top the stud and carefully slide it down over the 4 studs on the frame**. It will be necessary to raise and lower the jack supporting the transmission to get it in to place.** Once it's in place, add the other thick washer over the stud, then the thin washer, then the lock washer and finally the nut. Tighten using a 19mm socket to 55ft/lbs. Place the battery box bracket over the 4 studs and install the 4 14mm nuts removed in step 20 and tighten t0 45ft/lbs.



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25. Remove the jack from beneath the transmission and using the instructions, carefully reassemble the vehicle.

Congratulations!! You've now completed the installation of your new JBR Focus *ST* Transmission Mount

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