



**JAMES BARONE RACING  
AFTERMARKET PARTS AND ACCESSORIES**

**2019+ Hyundai Veloster N  
Oil Cooler Installation Instructions**



**Tooling:**

- ✓ Jack and jack stands
- ✓ Socket wrench and torque wrench
- ✓ 10mm and 27mm sockets
- ✓ 10mm wrench
- ✓ 2 large crescent wrenches
- ✓ Flat head screwdriver
- ✓ Philips head screwdriver

**Included:**

- ✓ One (1) oil cooler core
- ✓ Two (2) stainless braided lines (1 long, 1 short)
- ✓ One (1) oil filter sandwich plate with AN fittings
- ✓ Two (2) application specific oil cooler core mounting brackets
- ✓ Two (2) aluminized fiber glass heat shield sleeves
- ✓ Ten (10) 6mm x 16mm stainless hex bolts
- ✓ Twenty (20) 6mm stainless flat washers
- ✓ Ten (10) 6mm nylon insert hex nuts
- ✓ Two (2) 8" zip ties

- 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 owner's manual for proper jack placement and supporting procedures. **Never get under a vehicle without the proper support in place.**

1. Using a 10mm socket, remove 7, 10mm bolts and with a flat head screw driver, remove the 12 plastic push pins from the belly pan and remove the belly pan from the vehicle.



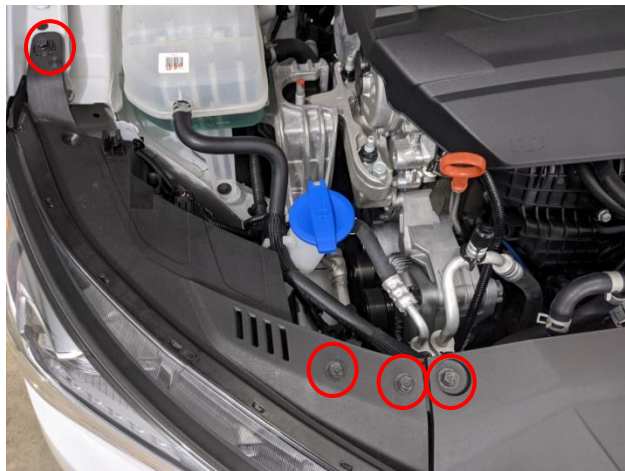
- Using a Philips head screwdriver, remove the screw securing the bumper to the fender. Using a flat head screw driver remove the 3 plastic push pins. Repeat on both sides.

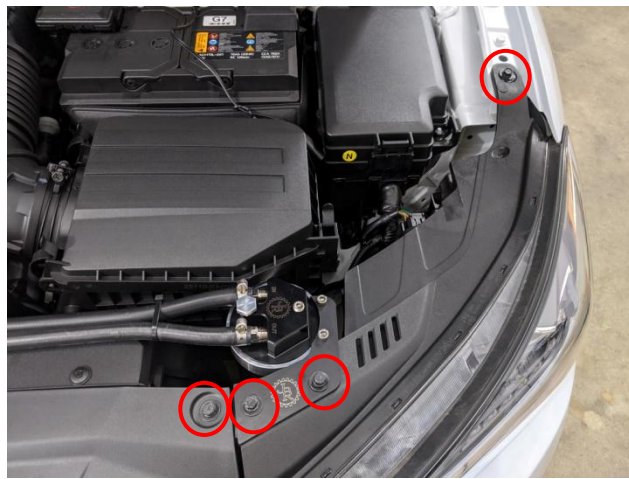
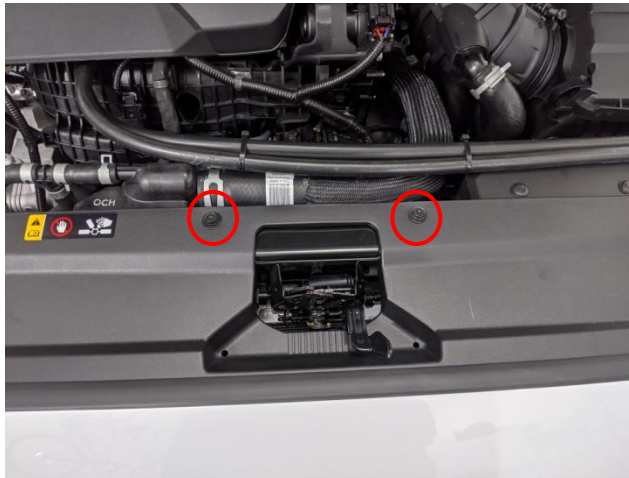


- Using your hands pull the bumper cover away from the fender starting at the end closest to the wheel well. Repeat on both sides.



- Using a 10mm socket, remove the 10, 10mm bolts in the next series of pictures.





5. Disconnect the power connectors from each headlight.



6. Begin working the bumper cover forward grabbing it where indicted below. Then, once it's ready to be removed, pick it off the car from the same points indicated in the picture below. The headlights will come with the bumper cover.



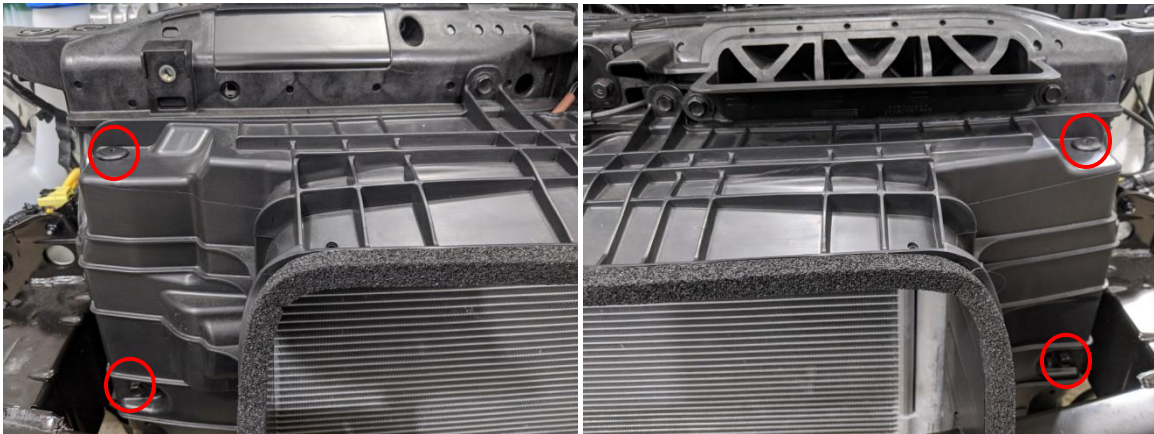
7. Using 4, 6mm bolts, 8 flat washers, and 4 nuts, install the upper mounting bracket on to the oil cooler core. Tighten the bracket straight and even across the front of the core with a 10mm socket and 10mm wrench.



- Using 2, 6mm bolts, 4 flat washers, and 2 nuts, install the lower mounting bracket on to the oil cooler core leaving it loose for now.



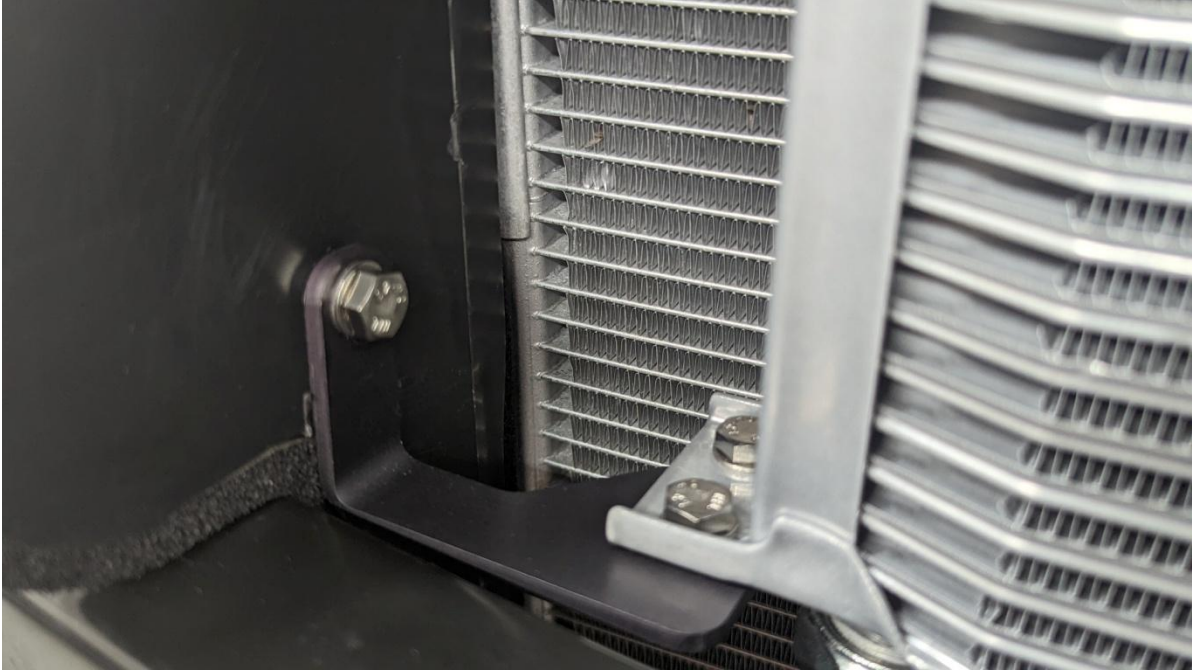
- Using a Philips head screw driver and a 10mm socket, remove the cowl in front of the radiator.



- Using 3, 6mm bolts, 6 flat washers, and 3 nuts, mount the upper mounting bracket to the top of the cowl. Admittedly, this is a pain in the ass but doable. Supporting the oil cooler core on the box your kit shipped in, will make this easier.



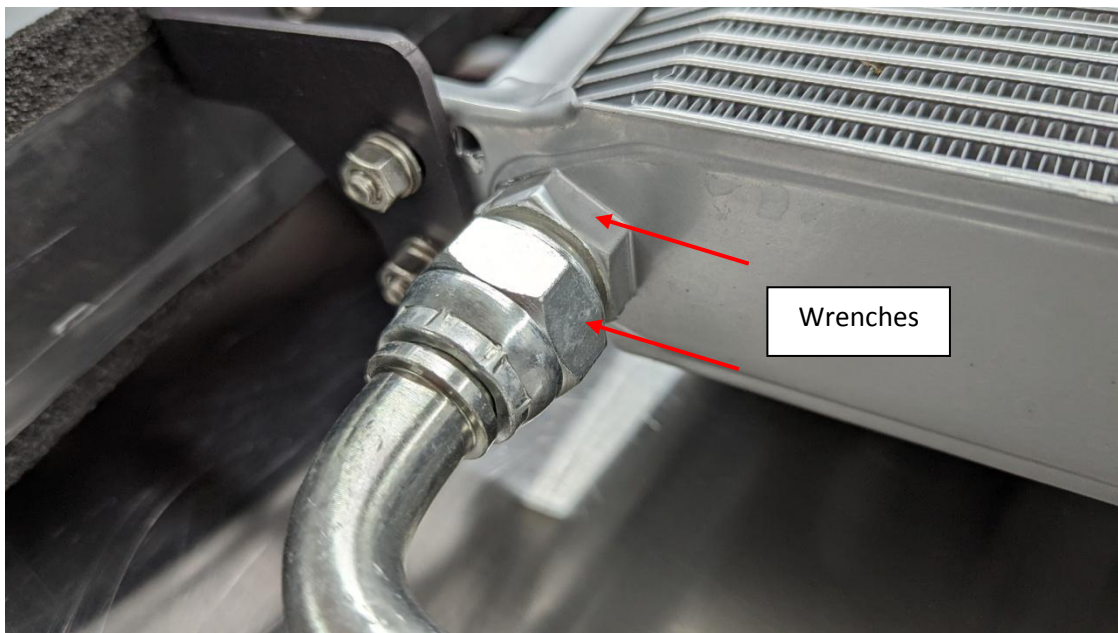
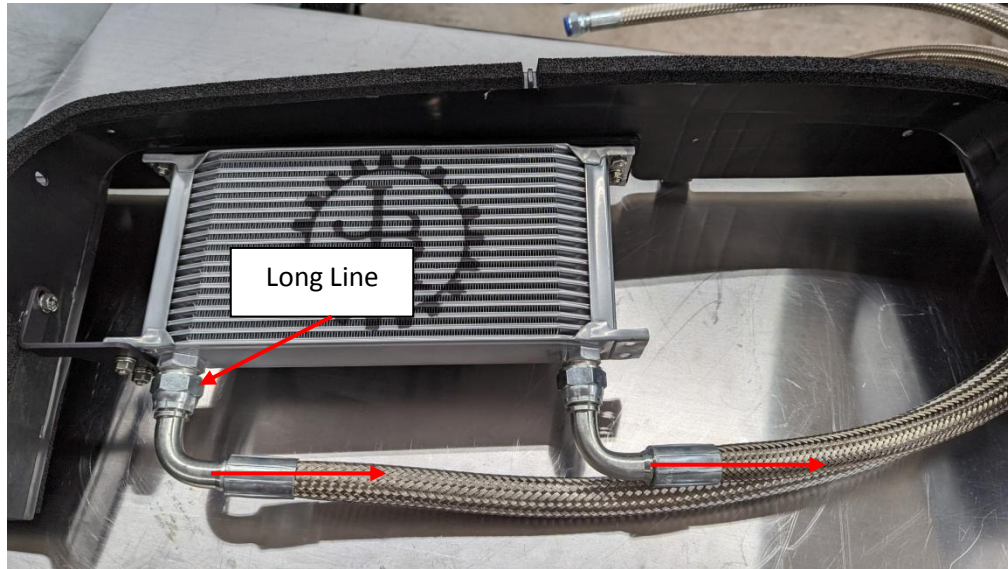
- Using 1, 6mm bolt, 2 flat washers and 1 nut, secure the lower mounting bracket to the passenger side of the cowl. Tighten all 3 bolts.





11. Using two crescent wrenches, tighten the lines on to the core ensuring that the long line is on the left and the short line is on the right. Both lines must be tightened parallel to the core as shown below.

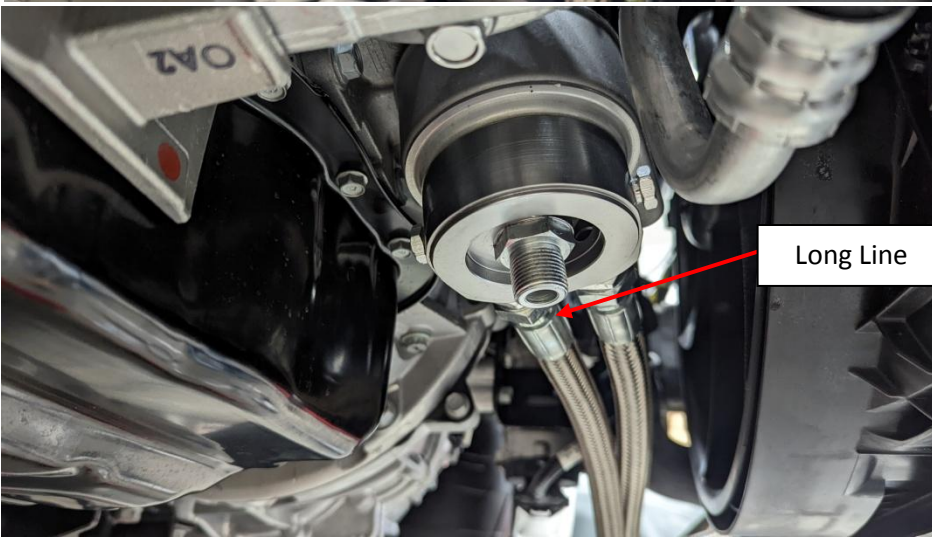
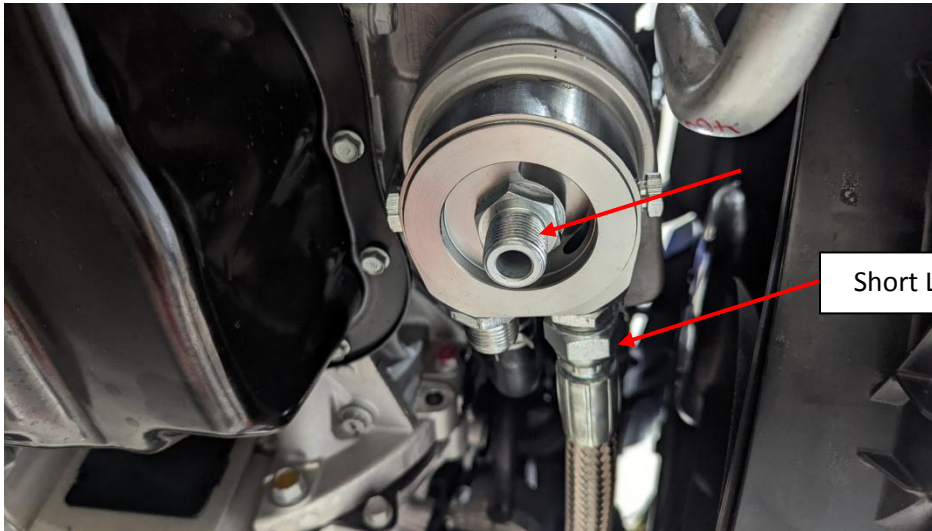
- The second wrench must be used to prevent internal twisting of the core. Leaks in the lower left and or right corners will result if only a single wrench is used. Leaks in the lower corners are not covered under warranty.



12. Next, reinstall the cowl with the core and lines attached using the hardware removed in step 9. Feed the lines behind the crash bar through the area shown below.



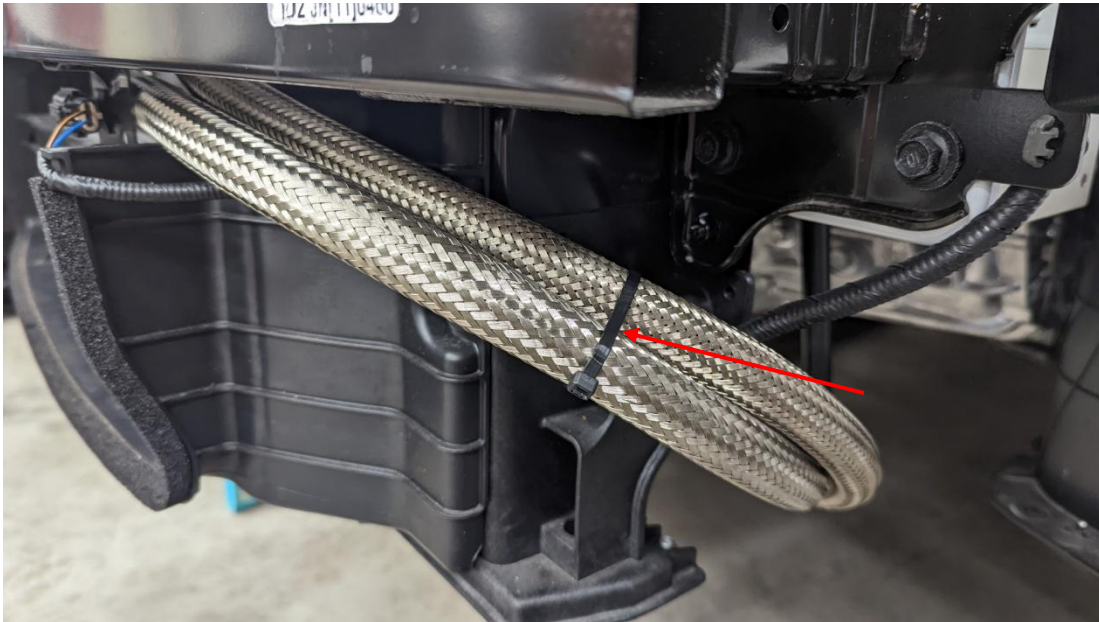
13. Remove the oil filter and loosely install the sandwich plate with the threaded adapter included with your kit. Using a crescent wrench begin installing the lines. Install the short line first and the long line second. Once both lines are tight, tighten the threaded adapter to 35 ft/lbs.



14. Reinstall the oil filter and wrap each line with the heat shields provided in your kit. Be sure you have no oil on your hands when doing this or the adhesive will not stick. Add one 8" zip tie where shown below.



15. Add the other 8" zip tie where shown below.



16. Now it's time to check over your work and be sure everything is tight and ready to go.

17. Add 1 quart of oil and start the engine.

18. While waiting for the engine to come to full operating temperature, check for leaks.

19. If no leaks are found, reinstall the front bumper.

20. Before reinstalling the belly pan, test-drive the car for 30 minutes and recheck for leaks.

21. If no leaks are found reinstall the belly pan.

**Congratulations!!**  
**You've completed the installation of your new**  
**JBR Oil Cooler Kit!!**