



Installation Instructions

C7 Corvette Radiator

Part #80292



Congratulations on your purchase of the C7 Corvette Radiator. Please read and understand each of the steps involved with the installation of the Radiator prior to getting started. AFCO highly recommends hiring a professional installer, one that is familiar with the installation of after-market performance products. The AFCO team takes pride in providing the utmost in quality and performance. Should you have a concern about the product you receive, please call 1-800-632-2320 and press 2 for AFCO customer service.

Please read and understand each of the steps involved with the installation of the radiator prior to getting started.

Parts List (Radiator for manual transmission)

- 80292 Radiator (Qty. 1)
- Lit719 Installation manual (Qty. 1)

Tools Needed

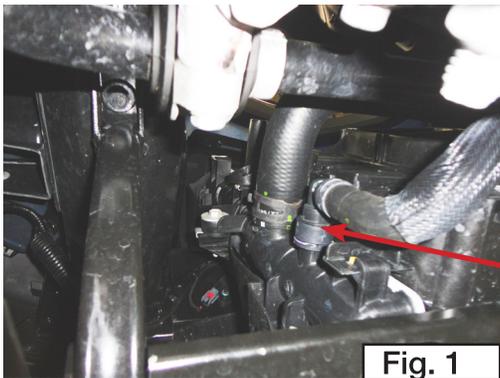
- 7mm Socket
- 10mm Socket
- 13mm Socket
- 1/4" Drive ratchet
- 1/4" Extension
- Pliers
- Trim tool

WARNING:

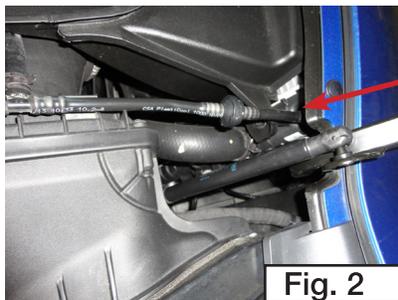
1. Radiator fluid must be handled properly. Please observe local ordinances with regards to handling and disposal.
2. Allow vehicle and components to cool a minimum of 1 hour before handling.
3. **Never attempt to open the radiator cap when hot.**
4. Do not allow any tools or limbs to contact fans—SERIOUS INJURY MAY RESULT.
5. Always follow directions and disconnect the battery before attempting installation.
6. Retailer is not responsible for personal injury or damage to vehicle resulting from improper installation of this product.
7. Due to vehicle variations / tolerances it is ultimately up to the installer to determine proper installation.

Removal of the Factory Radiator

1. Allow the vehicle to cool. Drain the coolant from the radiator. Remove the cap from the surge tank to allow all of the fluid to be drained.
2. Remove the upper and lower radiator hoses from the radiator.
3. Remove the 5/8" hose from the lower driver side of the radiator. Remove the plastic elbow from the rubber hose (Fig. 1).



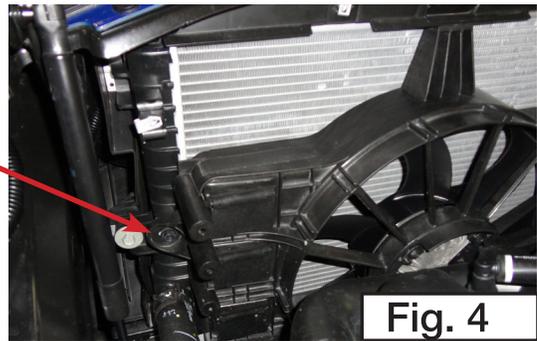
4. Remove the vent line from the upper passenger side of the radiator by first releasing the blue plastic clip from the line, and then remove the line from the radiator (Fig. 2).



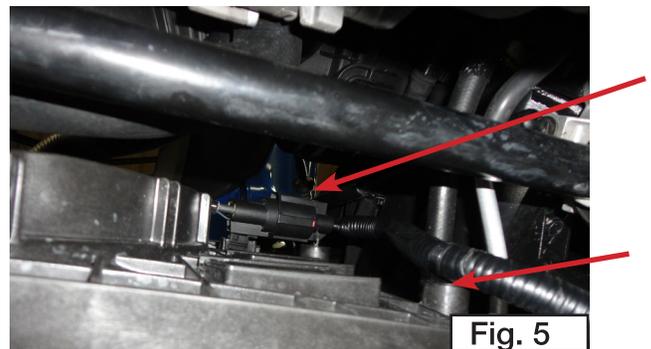
5. Using a 7mm socket, remove the four bolts holding the plastic cowl to the radiator. Remove the plastic cowl from the radiator (Fig. 3).



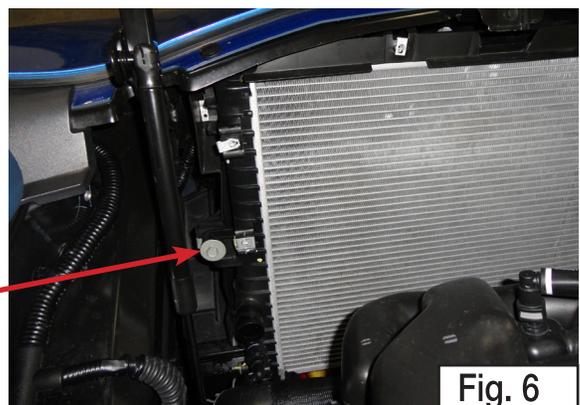
6. Remove the two 10mm bolts holding the fan shroud to the radiator (Fig. 4).



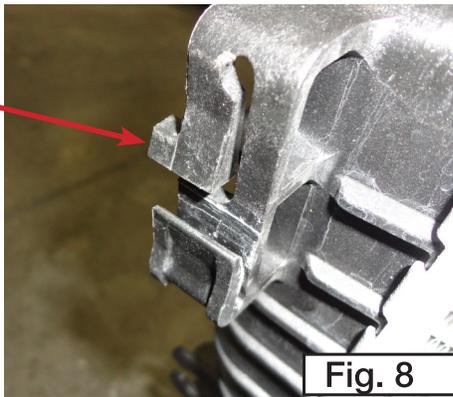
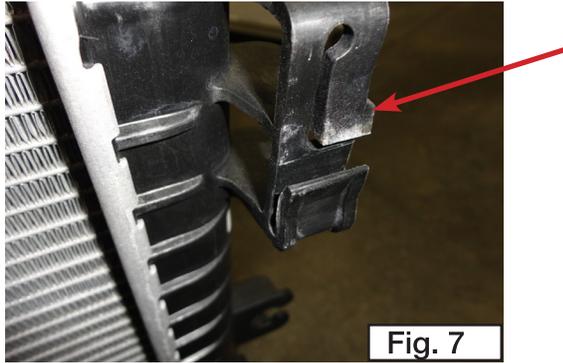
7. Unplug the wiring harness for the fan shroud. Using a trim tool remove the plastic clip holding the harness to the fan shroud and also the plastic clip holding the lower radiator hose to the fan shroud. Remove the fan shroud from the car (Fig. 5).



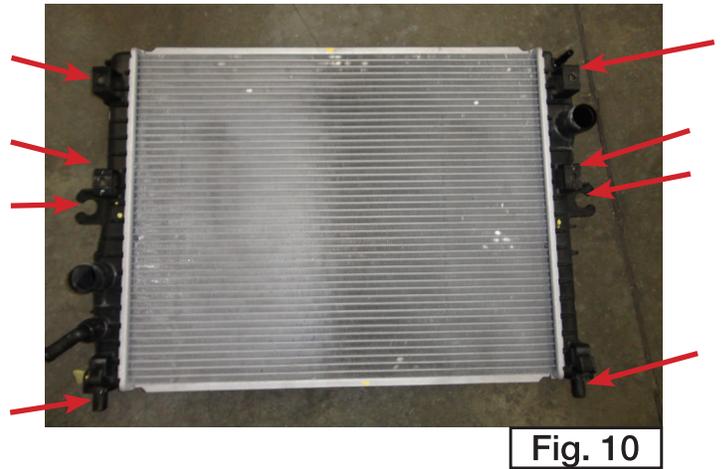
8. Remove the two 13mm bolts holding the radiator in the vehicle (Fig. 6).



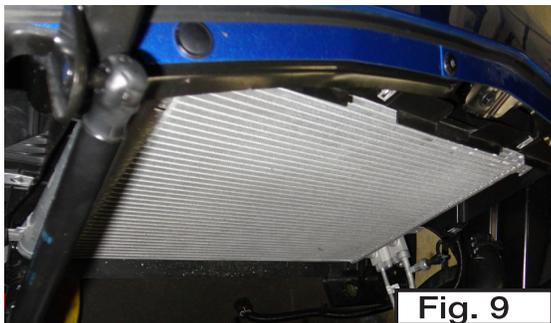
9. Gently move the radiator back towards the engine of the car in order to gain access to the A/C condenser. Depress the two plastic clips towards the top of the radiator that are holding the condenser in place (Fig. 7 & 8). While depressing the clips slide the condenser up and then place it forward of the radiator once it clears the mounts.



11. Remove the nut clips and rubber grommets from the stock radiator (Fig. 10). These will be used on the AFCO radiator.

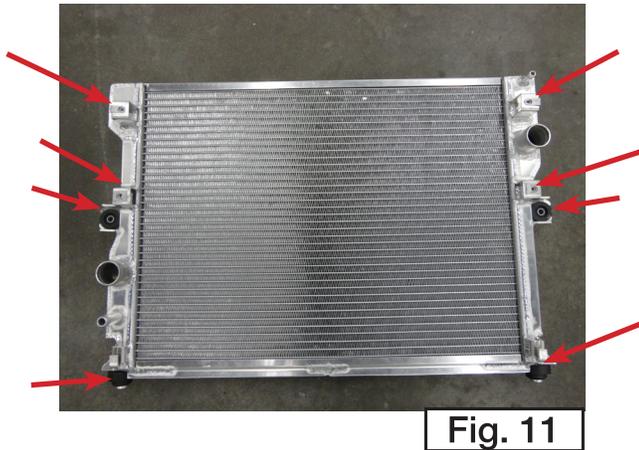


10. Carefully remove the radiator from the car (Fig. 9).



Installation of the AFCO Radiator

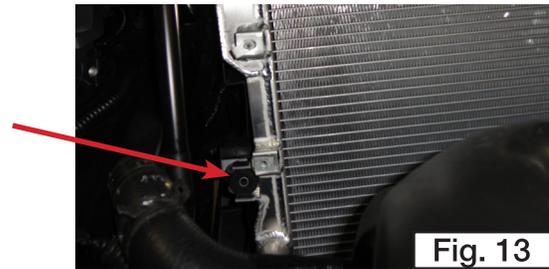
- Place the nut clips and rubber grommets onto the AFCO unit the same way they were attached to the stock unit (Fig. 11). The metal inserts will have to be removed from the rubber grommets for the side brackets on the radiator in order to install the rubber grommet into the brackets on the AFCO radiator. Then, the metal insert can be reinstalled into the rubber grommet. Some grease may be required to slide the rubber grommets onto the bottom studs.



- Carefully place the AFCO radiator into the car (Fig. 12). Position the bottom rubber grommets into the lower radiator mount and then tilt the radiator towards the engine. This will allow the condenser to slide onto the radiator. Attach the condenser to the radiator.



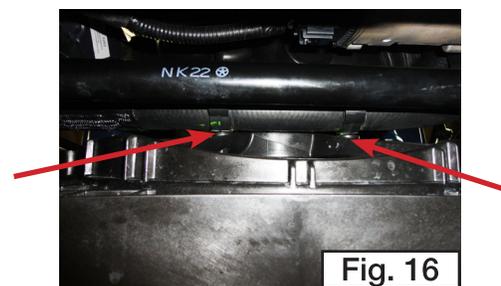
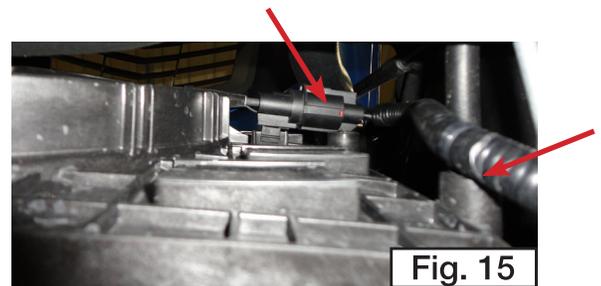
- Move the radiator into the stock mounting location. Using the two 13mm bolts attach the radiator to the car (Fig. 13).



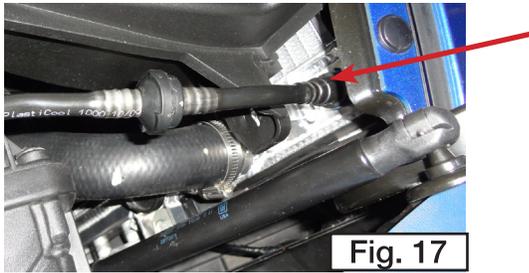
- Carefully lower the fan shroud onto the radiator. The air intake tube may have to be moved slightly to clear the fan shroud. Attach the fan shroud to the radiator using the two 10mm bolts (Fig. 14).



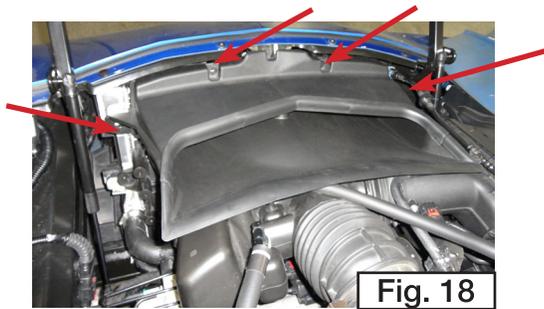
- Plug the wiring harness in for the electric fan. Attach the harness back to the fan shroud with the plastic clip (Fig. 15). Also, attach the lower radiator hose back to the fan shroud with the plastic clip (Fig. 16).



17. Attach the upper and lower radiator hoses to the radiator.
18. Attach the 5/8" rubber hose to the radiator on the lower driver side. Make sure this hose is clear of the front anti-roll bar on the vehicle.
19. Attach the vent line to the upper passenger side of the radiator (Fig. 17). Make sure the blue plastic clip seats properly in order to hold the line onto the radiator.
20. Install the plastic hood cowl onto the radiator using the four 7mm bolts (Fig. 18).



21. Fill the AFCO radiator with the recommended coolant for the vehicle.

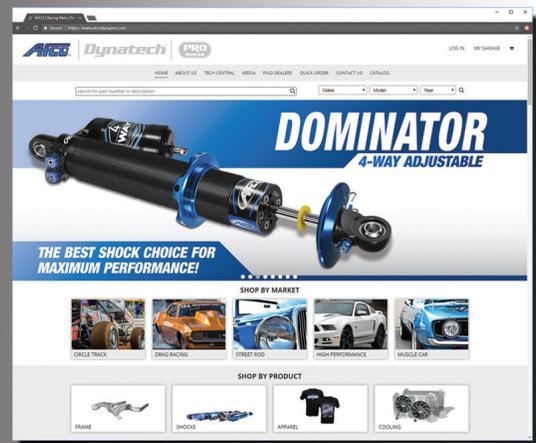


22. Start the vehicle, and allow it to idle until warm. Continue adding coolant until the recommended level is reached.
23. Continue to run the vehicle for 5 minutes to verify that all air is purged from the system. Check the system for leaks while waiting.



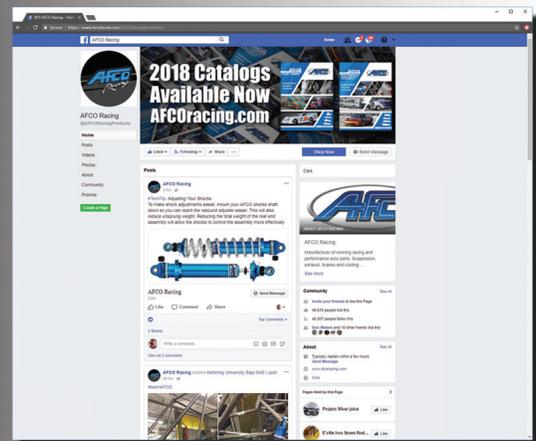
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