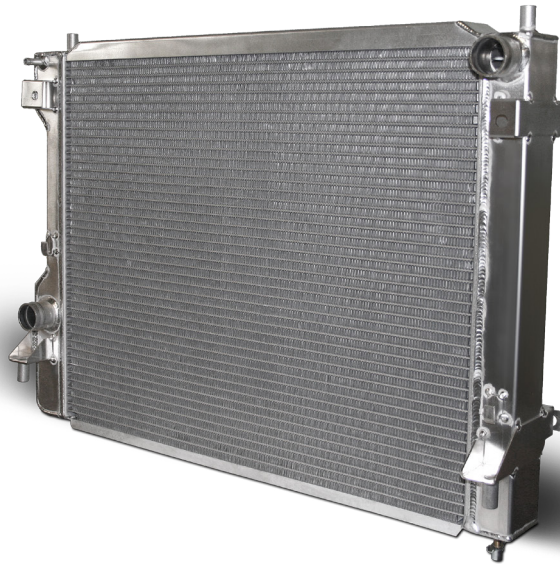


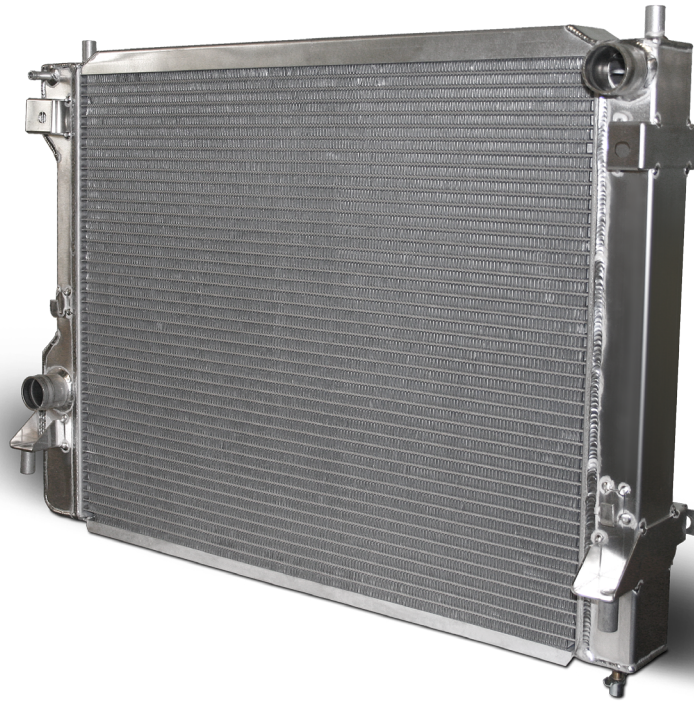


2010 & Up Mustang Radiator Installation Instructions

Part Number: 81283N



Congratulations on your purchase of the 2010 & Up Mustang Radiator. **Please read and understand each of the steps involved with the installation of the 81283N Radiator prior to getting started.**



Parts List

- Radiator (Qty. 1)
- Lit 712 Installation manual (Qty. 1)

Tool List

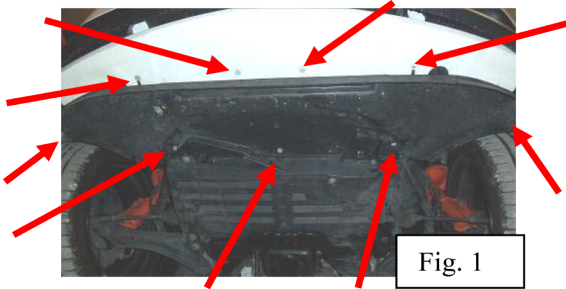
- 7mm Socket
- 10mm Socket
- E5 Torx socket
- 1/4" Drive ratchet
- 1/4" Extension
- Pliers
- Screwdriver or nut driver
- Recommended OEM Coolant
- Door panel removal tool

WARNING:

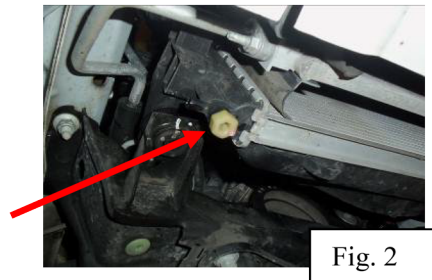
1. Radiator fluid must be handled properly. Please observe local ordinances with regards to handling and disposal.
2. Allow vehicle and components to cool a minimum of 1 hour before handling.
3. **Never attempt to open the radiator cap when hot.**
4. Do not allow any tools or limbs to contact fans—SERIOUS 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 Stock Radiator

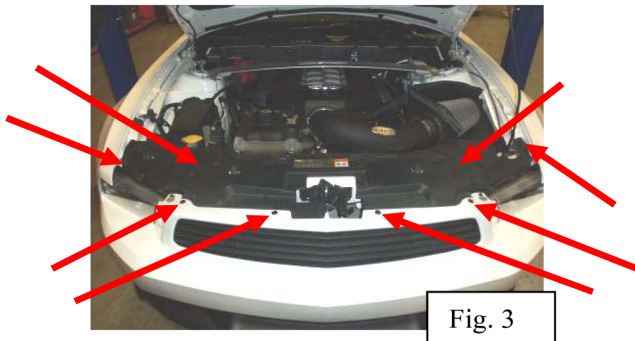
1. Disconnect the negative battery terminal.
2. Remove the nine 7mm screws holding the lower splash guard onto the car and then remove the splash guard (Fig. 1).



3. Drain the coolant from the radiator (Fig. 2).

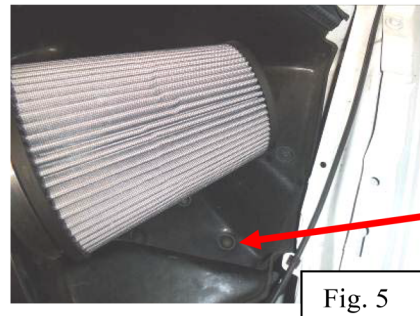


4. Remove the lower and upper hoses from the radiator.
5. Remove the eight plastic clips that hold the radiator cowl cover onto the radiator support (Fig. 3). Remove the cover.



6. Remove the crankcase breather tube going to the air intake and unplug the wire harness going to the MAP sensor. Remove the clamp holding the air intake to the throttle body and remove the

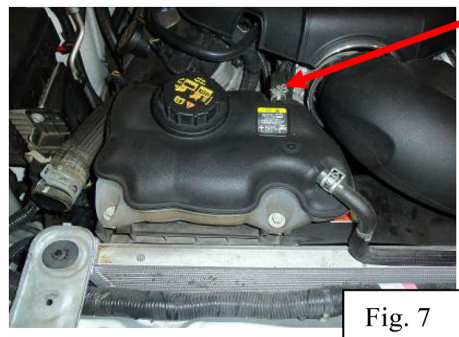
10mm bolt holding the filter housing to the inner fender (Fig. 4 & 5).



7. Remove the four 10mm bolts and the upper mounts from the radiator (Fig. 6).



8. Remove the hose from the rear of the surge tank (Fig. 7). Remove the hose from the driver side of the radiator that comes from the surge tank (Fig. 8).



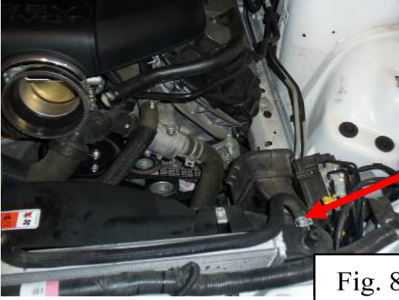


Fig. 8

9. Remove the lower surge tank hose from the engine block (Fig. 9).

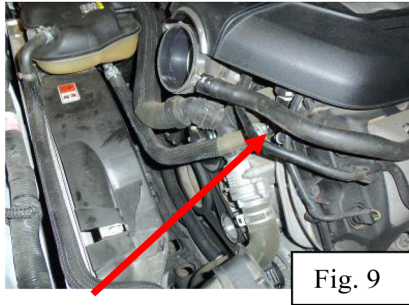


Fig. 9

10. Remove the air filter intake duct from the driver side of the radiator (Fig. 10).

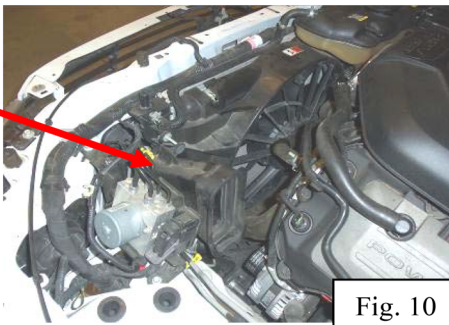


Fig. 10

11. Unplug the cooling fan wiring harness (Fig. 11).

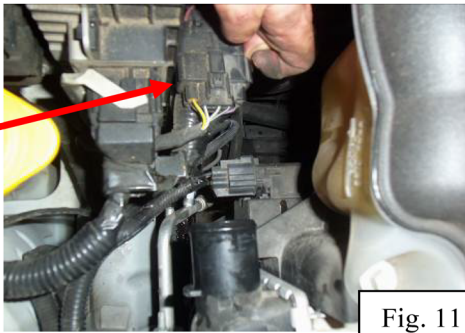


Fig. 11

12. Remove the two 10mm bolts holding the top of the condenser to the radiator (Fig. 12 & 13).

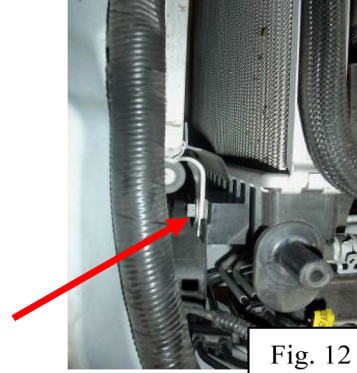


Fig. 12



Fig. 13

13. Remove the two 10mm nuts holding the bottom of the condenser to the radiator (Fig. 14 & 15). Remove the studs from the radiator to ease removal of the radiator.

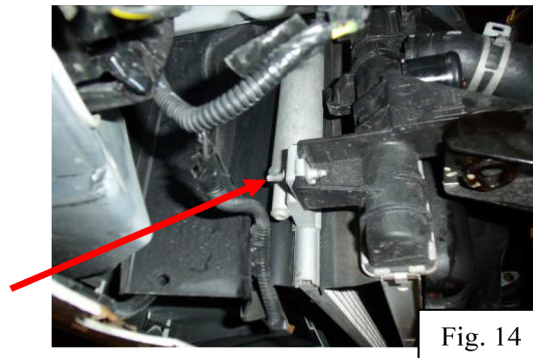
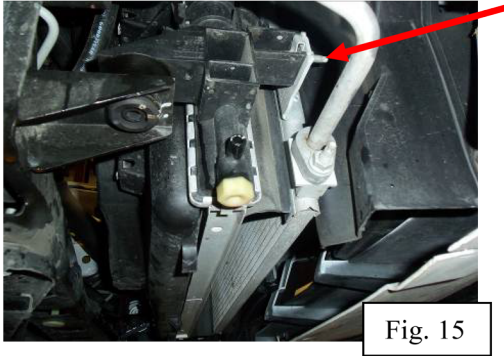


Fig. 14



14. If your car is an automatic, the transmission cooler will need to be unbolted from the radiator.
15. Remove the stock radiator at this time (Fig. 16).

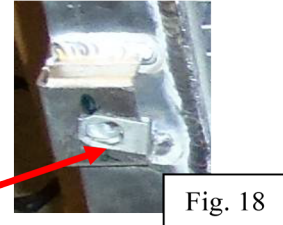


16. The cooling fan will need to be removed from the radiator by unbolting the two 10mm bolts at the top of the radiator (Fig. 17). Slide the fan up and off of the radiator. All of the metal nut clips will need to be removed from the radiator at this point.

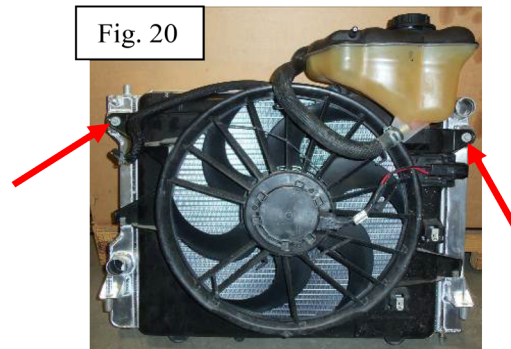


Installation of the AFCO Radiator

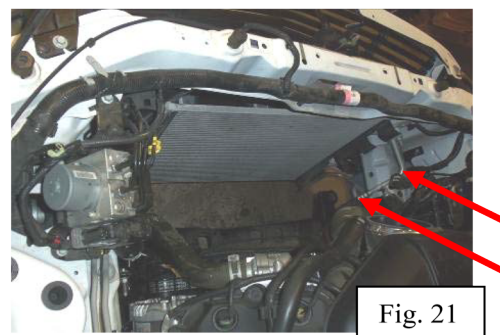
17. Place the metal nut clips from the stock radiator onto the AFCO radiator in the corresponding locations (Fig. 18 & 19).



18. Attach the fan shroud to the radiator using the stock hardware that was removed in step 16 (Fig. 20). The shroud may need to be adjusted after being mounted in the car to allow clearance for the surge tank.



19. Carefully place the radiator in the car making sure to clear the condenser and lines (Fig. 21).



20. Place the studs in the bottom front mounts of the radiator for the condenser to slide onto (Fig. 22 & 23). Place the nuts onto these studs but do not tighten.

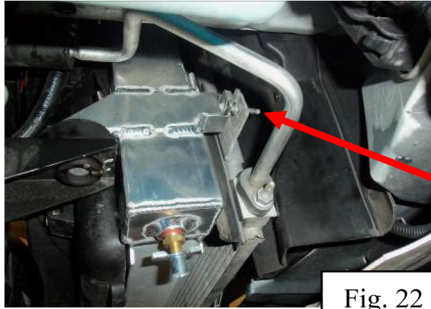


Fig. 22

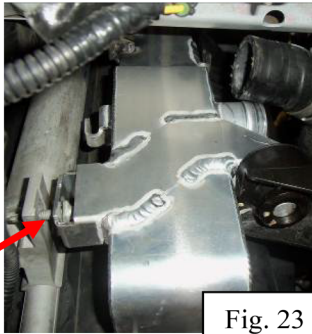


Fig. 23

21. Place the bolts in the top condenser mounts to attach it to the radiator (Fig. 24 & 25).



Fig. 24

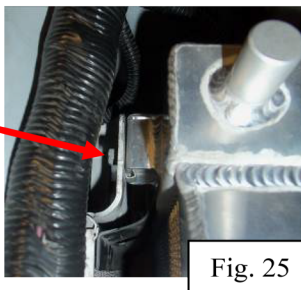


Fig. 25

- 22. Tighten all of the condenser bolts at this time.
- 23. Attach the upper and lower hoses to the radiator.
- 24. Attach the lower reservoir coolant hose to the engine block (Fig. 26).

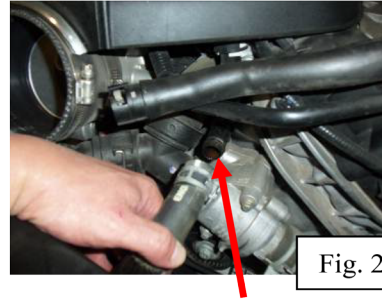


Fig. 26

25. Attach the line from the surge tank to the radiator (Fig. 27). Also attach the other line from the engine to the back of the surge tank (Fig. 28).

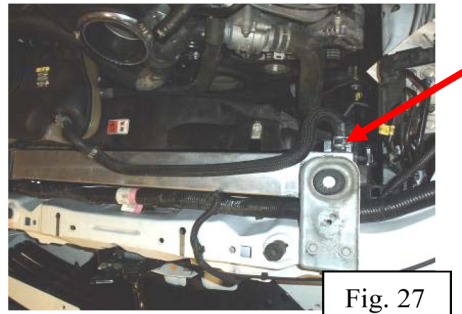


Fig. 27



Fig. 28

26. Plug the cooling fan wiring harness into the fan (Fig. 29).

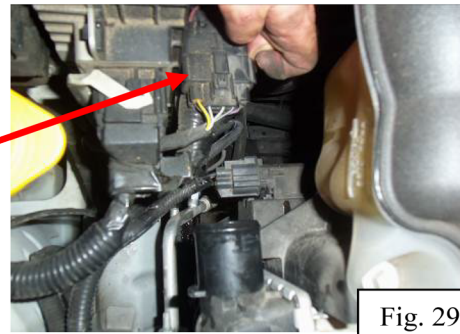


Fig. 29

27. Place the air filter intake duct on the driver side of the radiator (Fig. 30). Make sure the radiator is still loose in the mounts to ease installation.

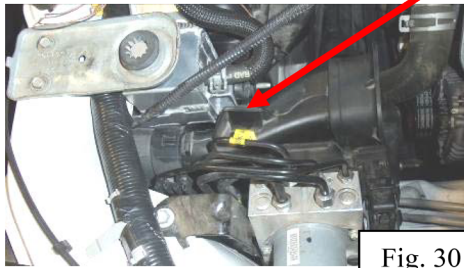


Fig. 30

28. Install the upper mounts onto the radiator and tighten the four 10mm bolts (Fig. 31).



Fig. 31

29. Attach the air filter intake tube to the throttle body and set in place. Tighten the clamp holding the air intake to the throttle body. Tighten the 10mm bolt holding the filter housing to the inner fender. Attach the crankcase breather tube to the air intake and plug the wire harness to the MAP sensor (Fig. 32 & 33).

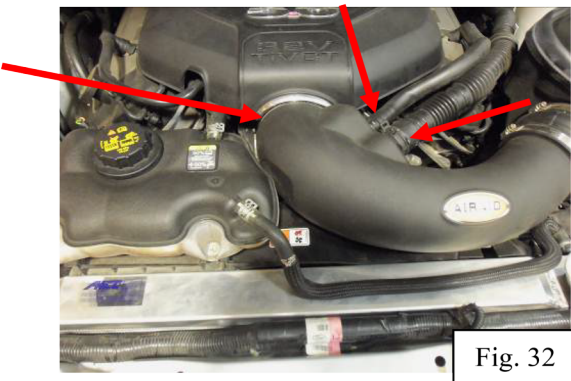


Fig. 32

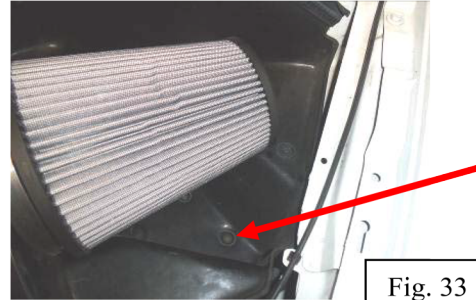


Fig. 33

30. On certain aftermarket cold air intake systems it may be necessary to slot the coolant surge tank mounting holes to gain additional clearance (Fig. 34). Also, the fan shroud can be loosened from the radiator and moved towards the passenger side for additional clearance (Fig. 35).

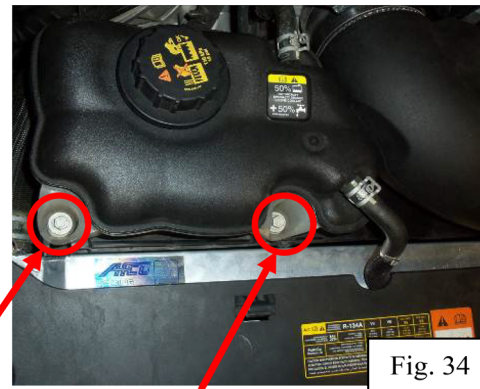


Fig. 34



Fig. 35

31. Fill the radiator with the recommended OEM coolant.

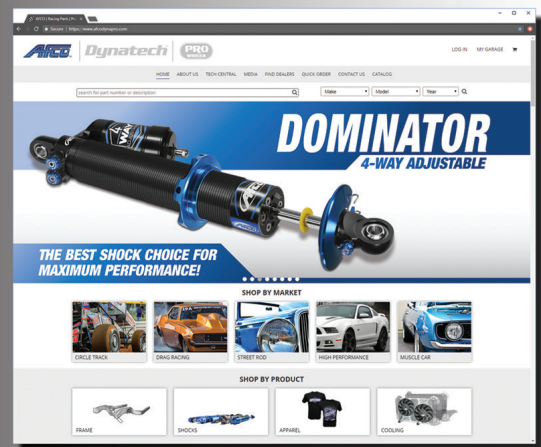
32. Reconnect the negative battery terminal, start the vehicle, and allow the car to idle until warm. Continue adding coolant until the recommended level is reached.

33. 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.



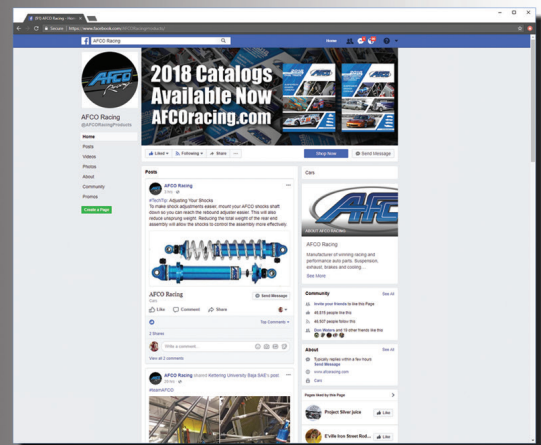
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