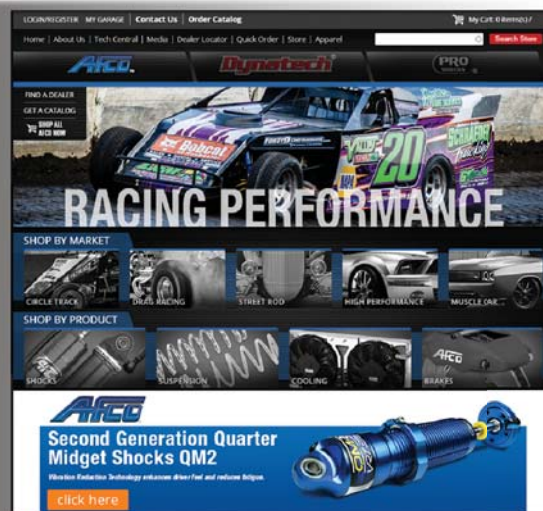




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## Installation Instructions 1997 - 2004 Mustang Radiator Part #80291



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# NOTES

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Congratulations on your purchase of the '97-'04 Mustang Radiator.  
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)

- Radiator (Qty. 1)
- ABS Relocation bracket (Qty. 1)
- 1/4"-20 Nuts (Qty. 3)
- Lit-718 Installation manual (Qty. 1)

## Tools Needed

- 8mm Socket
- 10mm Socket
- 11mm Socket
- 12mm Socket
- 1/2" Socket
- 1/4" Drive ratchet
- 1/4" Extension
- Phillips screwdriver
- 5/16" Nut driver
- Pliers
- Trim tool
- Utility knife

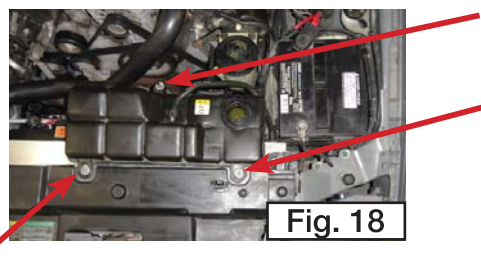
## Parts List (Radiator for automatic transmission)

- Radiator (Qty. 1)
- ABS Relocation bracket (Qty. 1)
- 1/4"-20 Nuts (Qty. 3)
- Transmission cooler fittings (Qty. 2)
- Lit-718 Installation manual (Qty. 1)

**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.

22. Attach the hose to the bottom of the surge tank, the breather line from the surge tank to the radiator, and tighten the three nuts holding the surge tank to the radiator (Fig. 18).



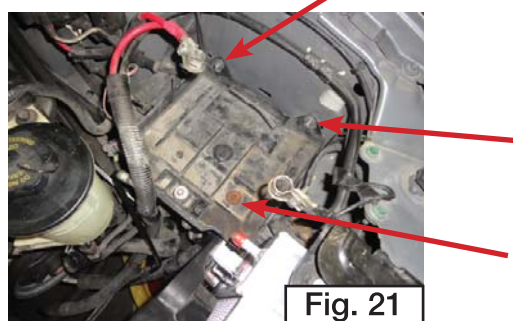
23. Place the plastic radiator cover onto the core support and fasten the four plastic clips (Fig. 19).



24. Attach the power steering lines back to the frame using the factory bolt (Fig. 20). The clip holding the lines may need moved in order to allow additional clearance to the radiator.



25. Install the battery box into the car with the three 8mm bolts (Fig. 21). Then install the battery and attach the battery terminals.



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

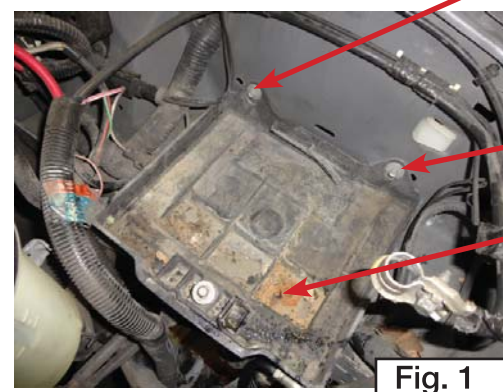
27. Start the vehicle, and allow it to idle until warm. Continue adding coolant until the recommended level is reached.

28. 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.

## Removal of the Factory Radiator

1. Disconnect the battery terminals and remove the battery. The battery and battery box will be removed to allow clearance for the removal and install of the radiator.

2. Remove the three 8mm bolts holding the battery tray to the fender (Fig. 1). Remove the battery tray.

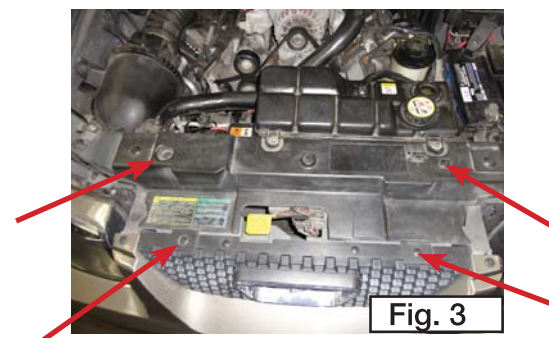


3. Remove the one bolt holding the power steering lines to the frame that is located under the battery tray (Fig. 2).

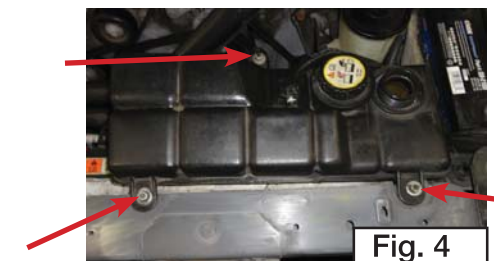


4. Drain the coolant from the radiator. Remove the cap from the surge tank to allow all of the fluid to be drained. Remove the inlet and outlet radiator hoses.

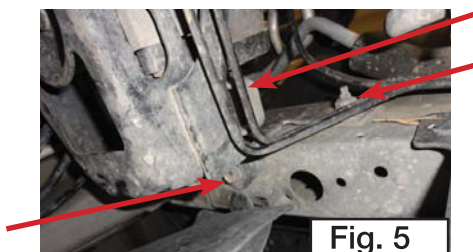
5. Remove the four plastic clips holding the plastic radiator cover on (Fig. 3). Remove the cover.



6. Remove the three 11mm nuts that hold the surge tank to the core support (Fig. 4). Disconnect the hose from the bottom of the surge tank using pliers to remove the clamp. Disconnect the surge tank vent line from the radiator. Remove the surge tank from the car.



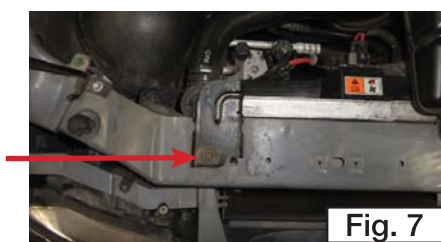
7. Remove the two 12mm nuts and the one 12mm bolt holding the ABS module to the frame on the lower passenger side (Fig. 5). Move the ABS module off the studs to allow more clearance for removal of the radiator.



8. Remove the clips holding the ABS lines to the radiator support and frame to allow extra clearance (Fig. 6).



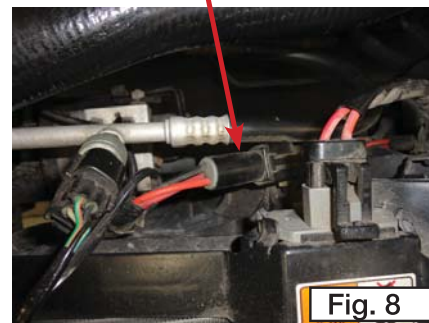
9. Remove the two 8mm bolts holding the top radiator mounts to the radiator support (Fig. 7). Remove the top mounts from the radiator.



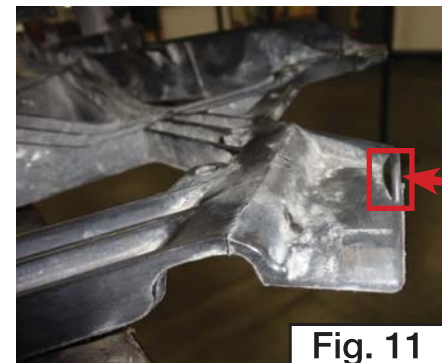
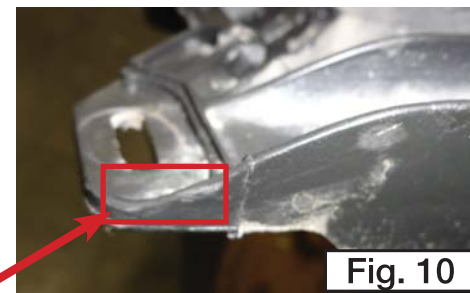
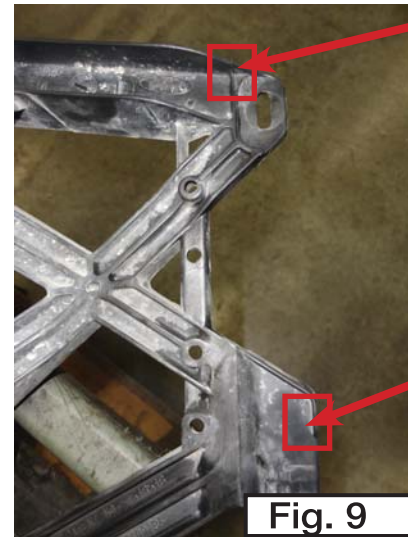


## Installation of the AFCO Radiator

10. Unplug the wiring for the electric fan from the shroud (Fig. 8).



14. The plastic shroud will need to be trimmed in 2 locations to allow clearance around the A/C lines and ABS lines. On the passenger side of the shroud, the lip on the upper mount needs trimmed flush with the surface of the hole (Fig. 9 & 10). The bottom mount lip needs trimmed to the bend and flush with the mounting surface (Fig. 9 & 11).



11. Remove the transmission lines from the transmission cooler in the radiator (automatic cars only).

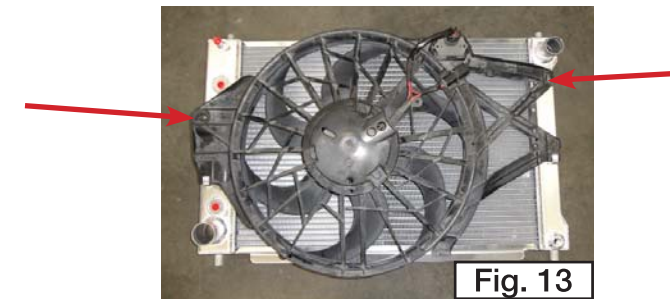
12. Remove the radiator and shroud from the car.

13. Remove the two 8mm bolts holding the shroud to the radiator. Remove the shroud and the nut clips from the factory radiator. These components will be used on the AFCO radiator.

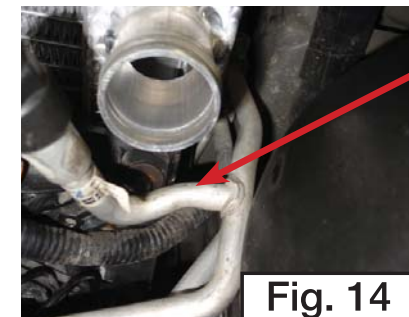
15. Before installing the radiator mount, the ABS relocation bracket to the frame of the car using the factory hardware (Fig. 12). Do not tighten the nuts and bolt at this point. Place the ABS module onto the relocation bracket and tighten the nuts finger tight.



16. Attach the fan shroud to the radiator using the factory hardware (Fig. 13). Mount the shroud as low and as far to the driver side as possible.



17. Install the radiator into the car. On the passenger side the A/C line may need moved slightly to clear the radiator (Fig. 14).



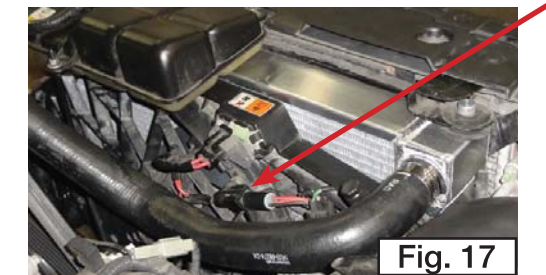
18. Reinstall the upper radiator mounts using the two 8mm bolts (Fig. 15).



19. Tighten the bolts and nuts for the ABS module and relocation bracket from step 15. Make sure there is clearance between the ABS module and the radiator. Reattach the plastic clips holding the ABS lines to the radiator support (Fig. 16).



20. Plug the electrical harness into the plug on the electric fan shroud (Fig. 17).



21. Attach the inlet and outlet hoses, and transmission lines (if an automatic car) to the radiator.