EVO X / Ralliart 600 HP Fuel Kit Installation Notes

The goal of AMS is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs AMS will never compromise the quality or performance of our products. In addition, AMS will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS was built on a foundation of integrity. This is who we are; this is what you can count on.

A vehicle modified by the use of performance parts may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, or modification.

These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.

If you have any questions or issues at any time during the installation of your AMS product(s) please call us for technical assistance. The AMS tech line can be reached M-F, 9AM-PM Central time at 847-709-0530 for AMS products only.

Tools Required:

- Electrical crimping pliers
- Wrenches for AN fittings (a Vice is very helpful also))
- Drill w/Phillips bit
- Screw drivers

Packing List:

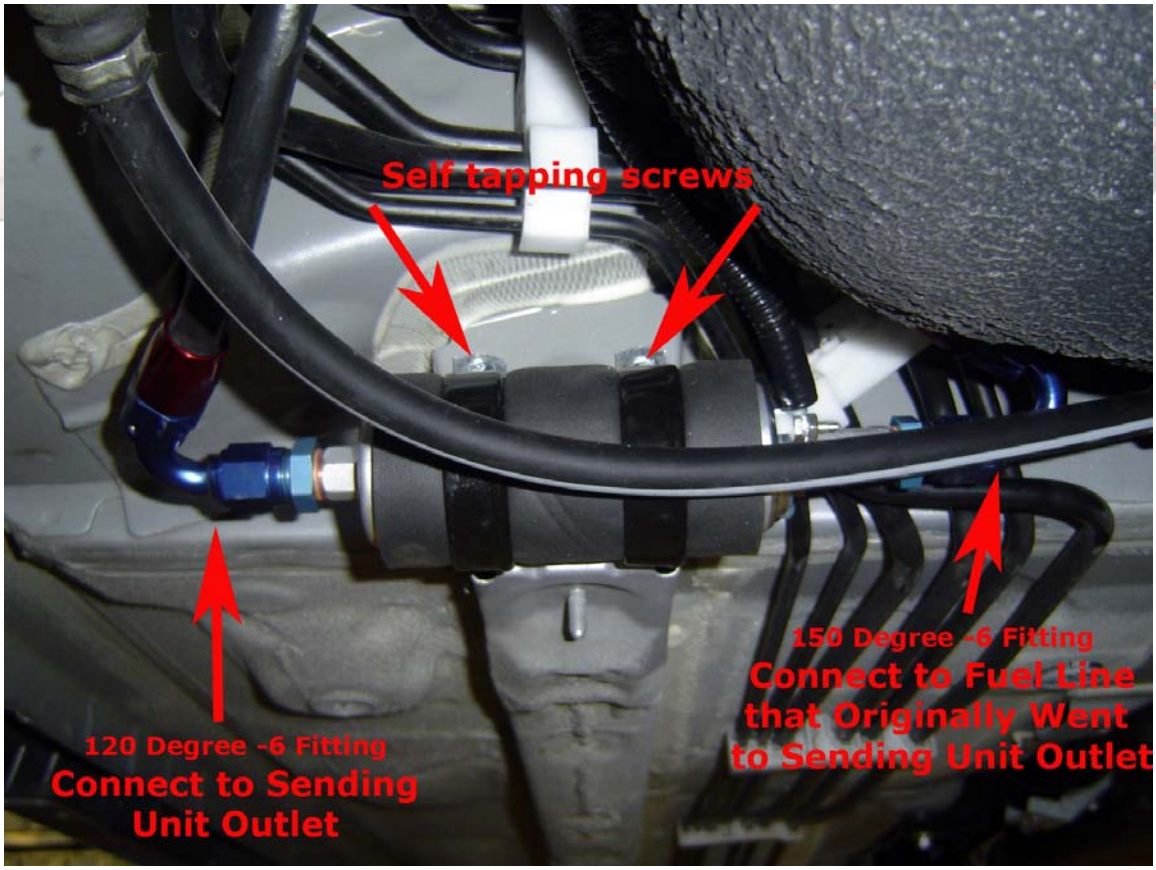
- Walbro Inline Fuel Pump
- Walbro Hardware Kit
- Walbro Mounting Kit
- 2 -6 AN Fuel Pump End's
- 3/8 Female Quick Connector To AN-08 Adaptor
- -6 AN to Male Quick Connect Fitting
- -6 AN Straight Hose End
- -6 AN 120 Hose End
- -6 AN 150 Hose End
- -6 AN 180 Hose End
- -6 AN Male to -8 AN O-ring Fitting
- 3.5 ft. Parker 5/16 Fuel Line
- Yellow T-Tap
- 1/4" Male Quick Slide Terminal
- 1/4" Ring Terminal
- 1/4 Split Wire Loom
- Painless Fuel Pump Relay Kit
- 3 Zip Ties
- 2 Self Tapping Screws

Installation Tips:

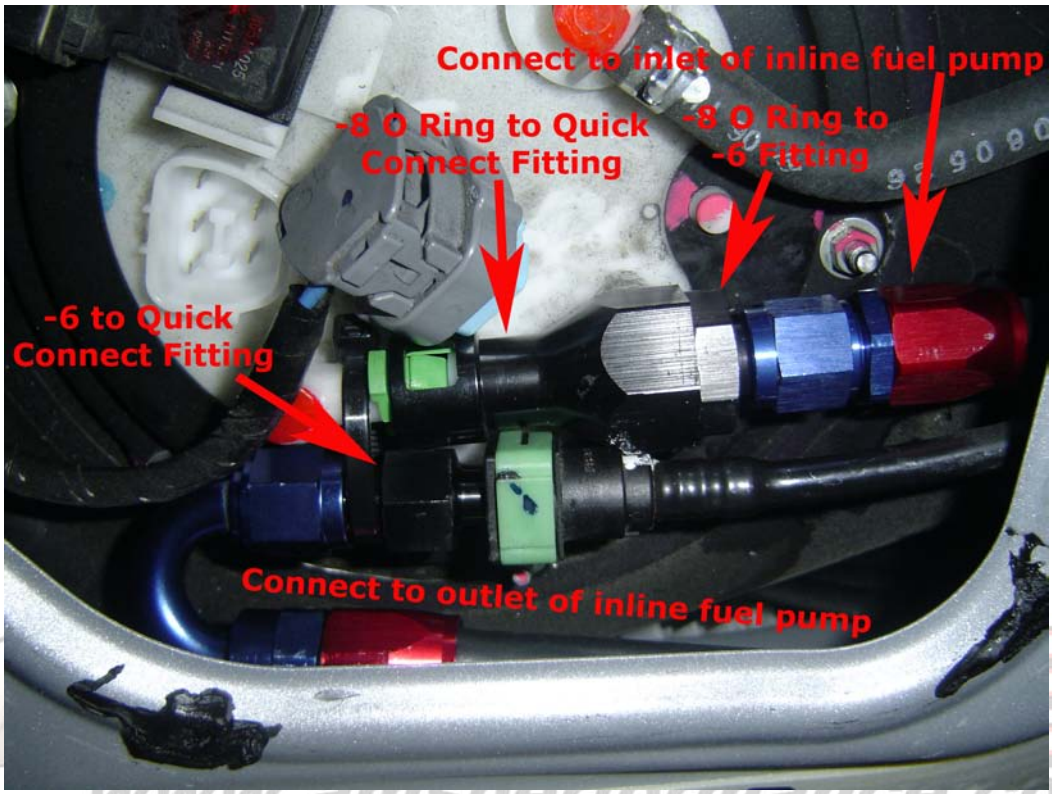
The installation of our inline fuel pump kit is very straight forward. There is no cutting of the factory fuel lines or wiring required. Also the inline fuel pump will still run at full power even if the factory fuel pump switching relay fails as seen in some EVO X's.

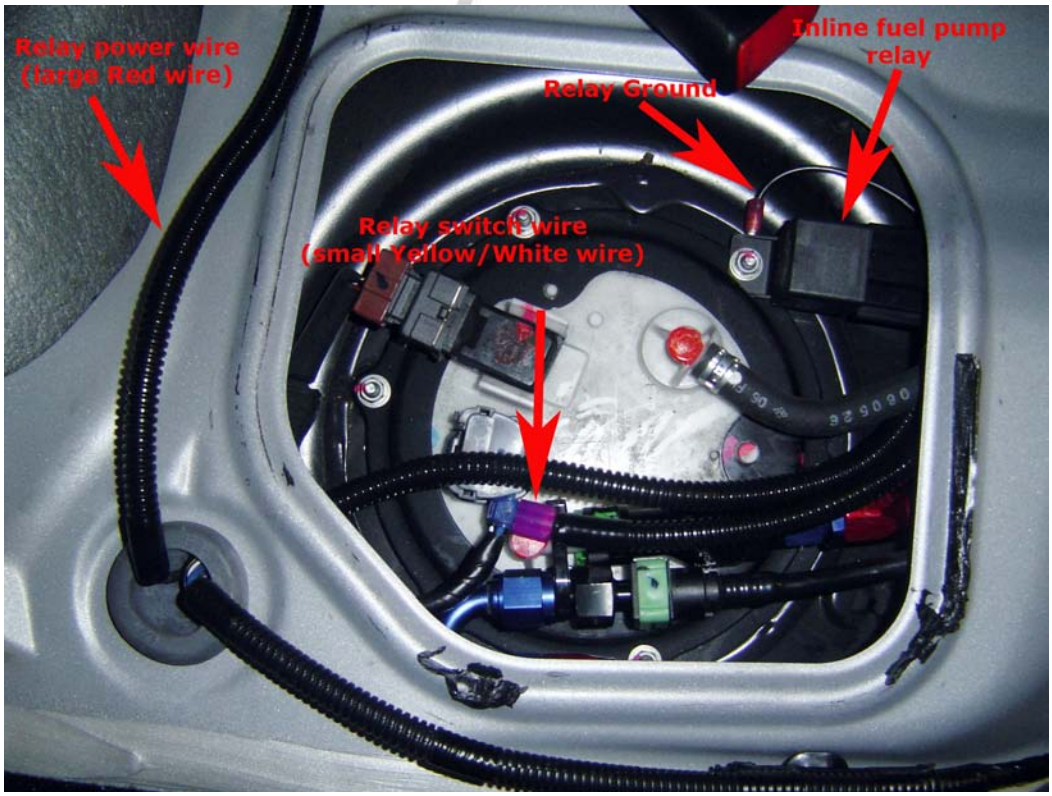
Installation of inline fuel pump:

-Before mounting the fuel pump to the car grind the paint off behind one of the mounting locations and using a ring terminal connect the ground for the fuel pump.
-Be very careful when tightening the nuts on the power connections on the fuel pump, they can break off easily.
-The drivers side hose will use the 120 degree fitting and this will connect to the factory sending unit outlet.
-The passenger side hose will use the 150 degree fitting and connects to the hose that originally went to the sending unit.



Fuel pump sending unit connections:





Relay Wiring:

-The large yellow wire goes to the fuel pump + side.
-The large red wire goes to the battery + terminal, mount the circuit breaker close to the battery.
-The small yellow/white wire connects to the blue wire that goes to the fuel pump using a t-tap connector.
-The small black wire gets grounded using the stud that you mount the relay with, make sure there is a good ground connection.

After Installation:

-Double check all wiring connections.
-Start the car and check for leaks.
-It is highly recommended to run a wideband air/fuel gauge to monitor for a lean or rich condition, this way if either pump in the fuel system fails you will know immediately before any engine damage occurs, this is something that applies to all cars with modified fuel or air intake systems.