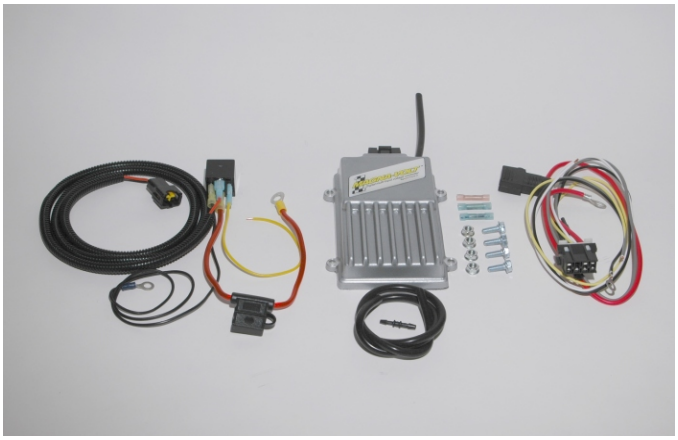
Installation Instructions for the:
Magnavolt System
2005-2006
Chevrolet SSR Truck

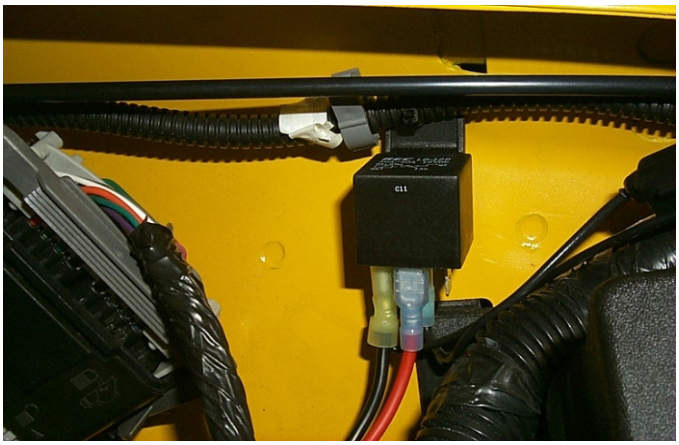
Step-by-step instructions for installing the best in supercharger systems.

Magnuson Products, Inc.
1990 Knoll Drive, Ventura, CA 93003
(805) 642-8833 phone * (805) 677-4897 fax
magnusonproducts.com * magnacharger.com

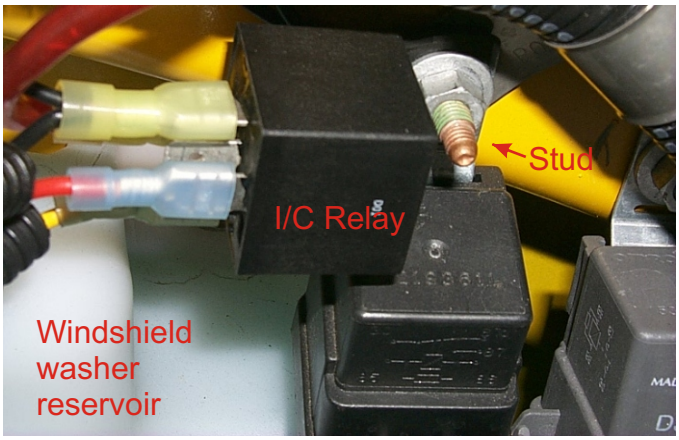
208. Here is the Intercooler Relay wiring and the Magnavolt module with its components.



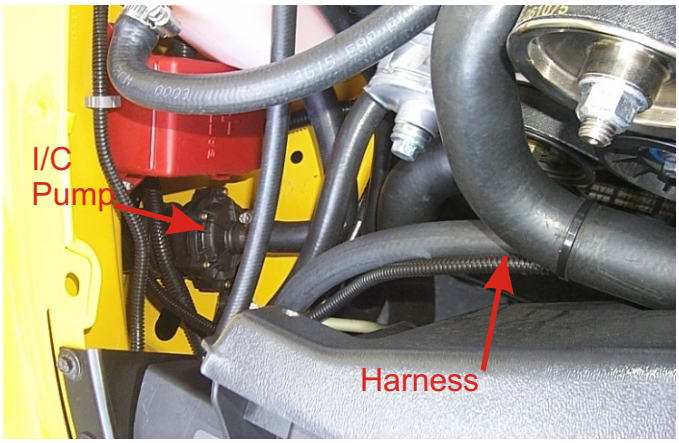
209 Locate the harness anchor just behind and above the Fuse/Relay center and mount the Fuel Pump Relay with a tie strap at this point.



2**10**. Locate the relay mounting stud on the driver side next to the windshield washer reservoir. Remove the nut with a 10mm socket wrench. Place the **BLACK** wires with the ring connectors from both the relay and the Magnavolt harness on the stud and then place the intercooler relay on the stud and secure it with the nut.



211. Route the intercooler harness and connector across the front of the engine by tie strapping it to the intercooler hose behind the air box. Plug the harness connector into the end of the intercooler pump.

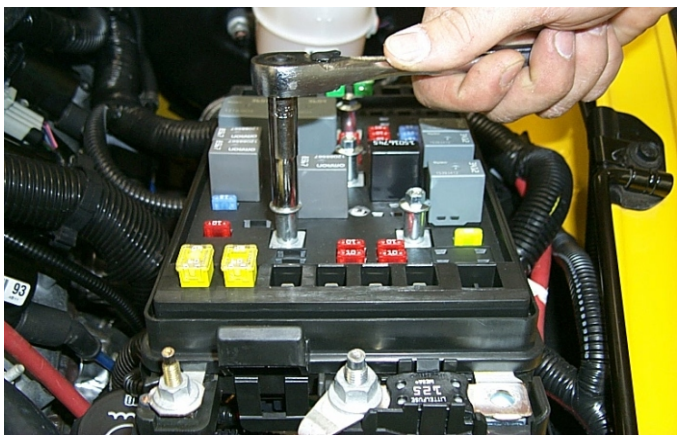


212. Lift the cover off the FUSE/RELAY CENTER and set aside for re-installation.

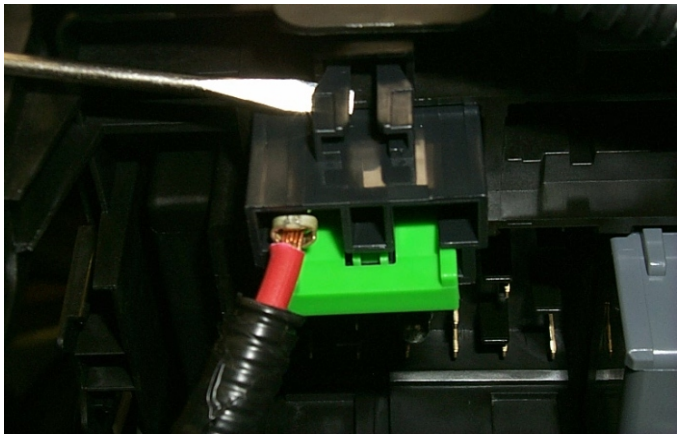
213. Remove the inner cover.

214. Lift the body of the FUSE /RELAY CENTER up off its base by unfastening the five snaps located along its bottom edge where it meets the base.

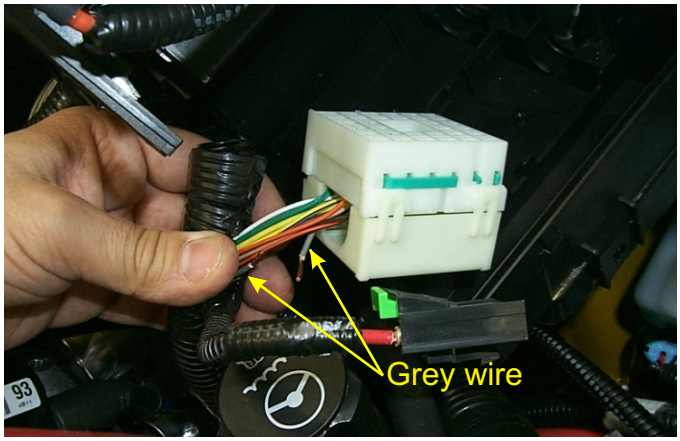
215 Unscrew the harness connector anchor bolt on the Fuse/Relay Center with a 7mm socket wrench. The bolt will become loose in the hole but cannot be removed.



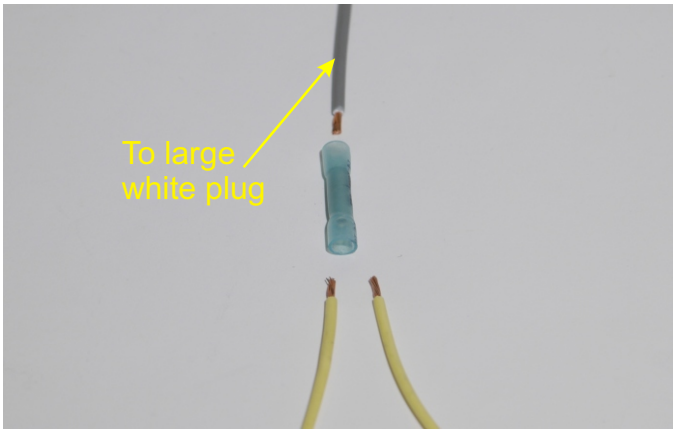
216. Remove the small positive battery cable from the bottom of the Fuse/Relay center by un-clipping its connector with a small straight blade screwdriver.



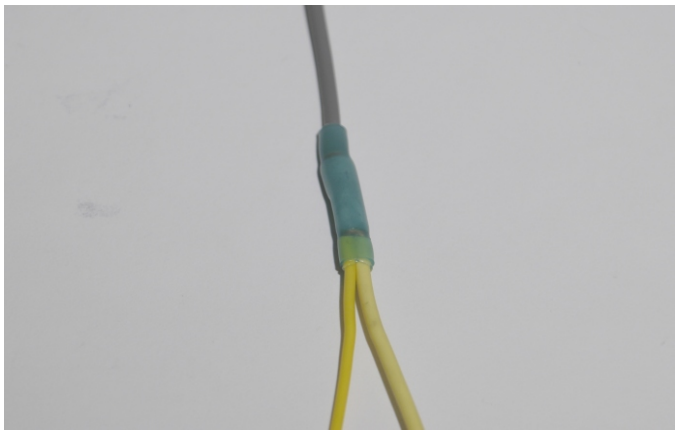
21**7**. Unscrewing the harness connector anchor bolt will allow the large white plug to be removed from the bottom of the Fuse/Relay center. Locate the **GREY** wire in the bundle and cut it approximately 1-1/2" from the connector.



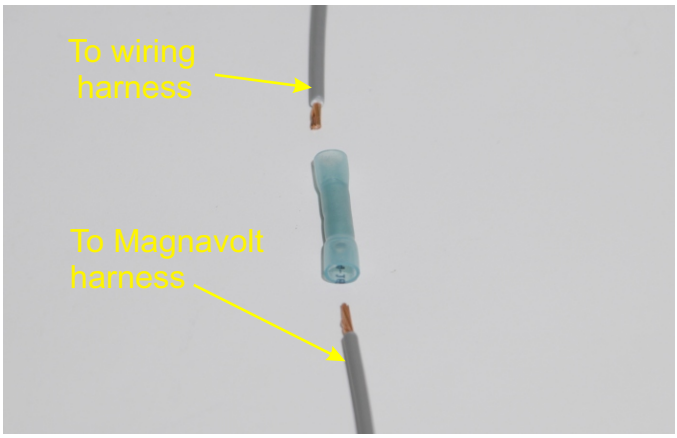
21**8**. Install a crimp/shrink connector by cutting the grey wire and stripping a ¼" of insulation off each end. Into one end of the connector, insert the end of the **GREY** wire from the large white plug. Into the remaining end insert the end of the **YELLOW** wire from the intercooler relay AND the **YELLOW** wire from the Magnavolt harness and crimp it securely.



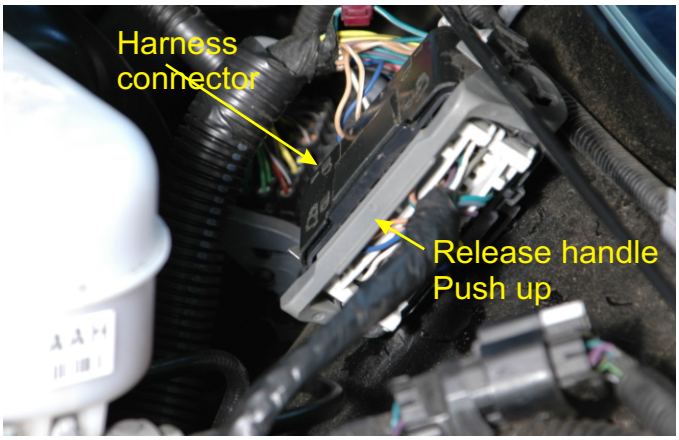
219. Using a heat gun or a blow-dryer set on high, shrink the plastic covering of the connector until the clear sealant from the inside of the connector can be seen oozing out from under the plastic covering. **Crimping the connector alone is not enough to insure a permanent connection; <u>you must shrink the plastic covering!</u>**



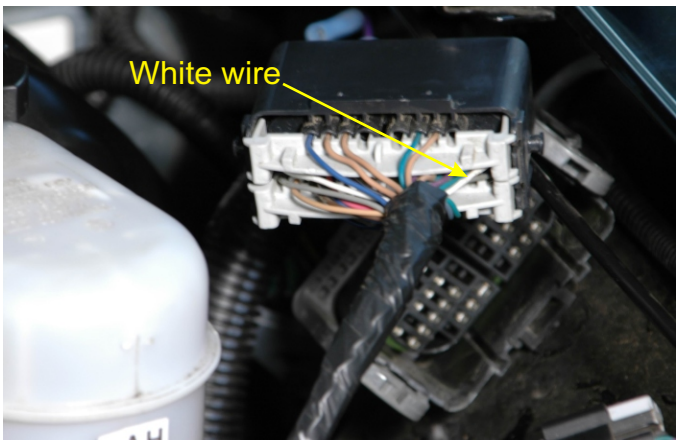
220 Connect the GREY wire from the Magnavolt harness to the remaining end of the Grey wire in the wiring harness with a Blue crimp/shrink connector.



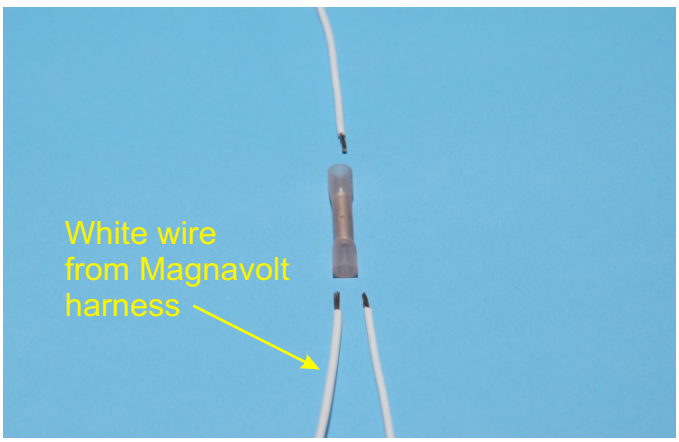
221. Locate the large wiring harness connector on the driver side of the engine compartment next to the brake master cylinder reservoir. Push the grey release handle up to free the male end of the connector.



222. On the male end of the connection, locate the **SOLID WHITE** wire. This is the Engine Speed Signal (RPM) wire.

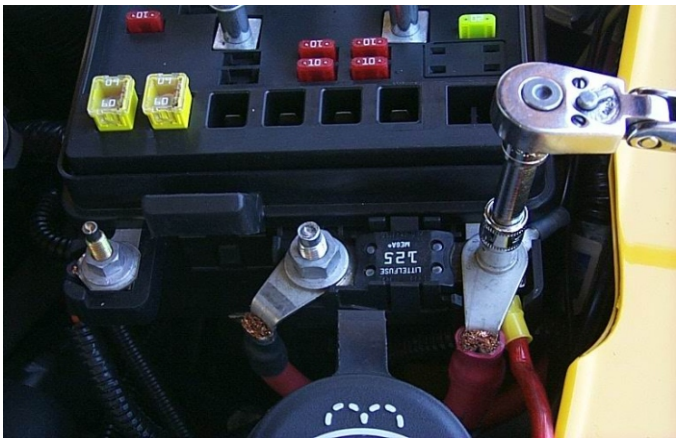


223. Remove the tape a few inches down the harness from the connector and pull the solid white wire away from the rest of the harness. Approximately 1-1/2” from the connector cut the white wire and strip the insulation back 1/4” from the ends. Using a pink crimp/shrink connector supplied re-connect the ends of the white wire adding the **WHITE** wire from the Magnavolt harness as well to the connection. Cover the wires and the Magnavolt harness with the black split-loom supplied. Re-connect the large harness connector and lock it in place by rushing the grey release handle down.

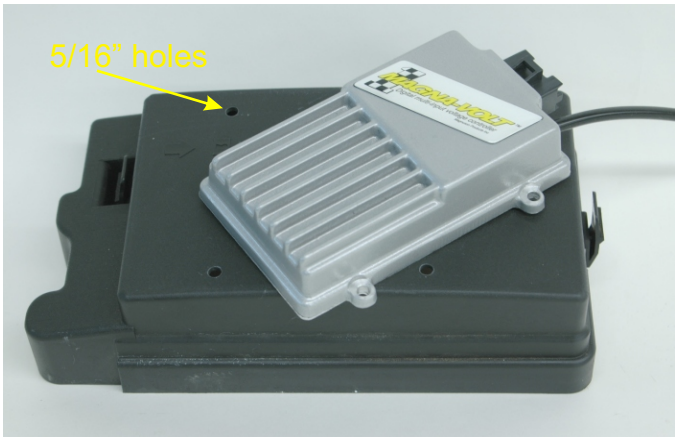


224. Re-install the harness connector into the body of the Fuse/Relay Center and secure it with the anchor bolt. Snap the small battery cable back into its original location and replace the F/S Center body back on the base.

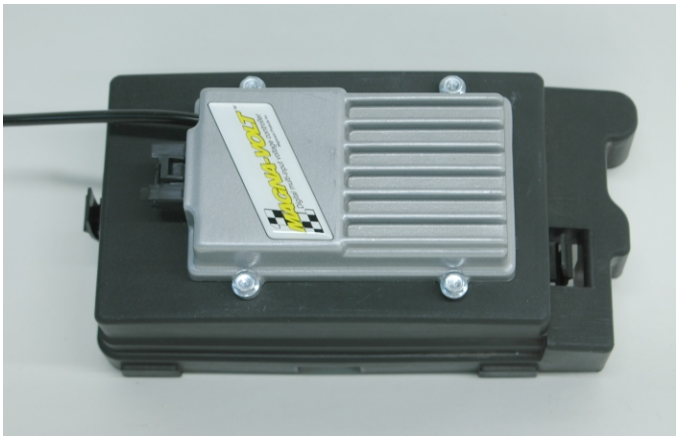
2**25**. Remove the bolt that secures the large **RED** battery cable to the terminal at the Fuse/Relay center with a 7mm socket wrench. Attach the **RED** fused power supply wires of the relay and Magnavolt harness by passing the bolt through the ring connectors. Tighten the bolt securely.



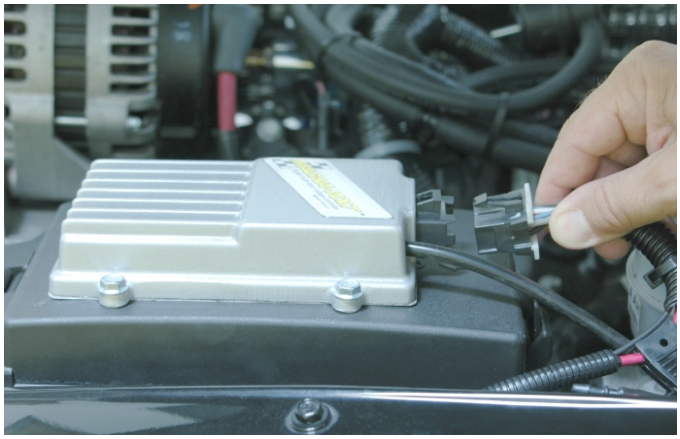
225. Start the Magnavolt installation by removing the cover to the Fuse/Relay Center. Using the Magnavolt uit as a template, mark and drill four 5/16”holes in the top of the cover.



226. Using a 10mm socket wrench, attach the Magnavolt module to the top of the Fuse/Relay Center cover with the nuts and bolts supplied. Replace the inner and top covers on the FUSE/RELAY center.



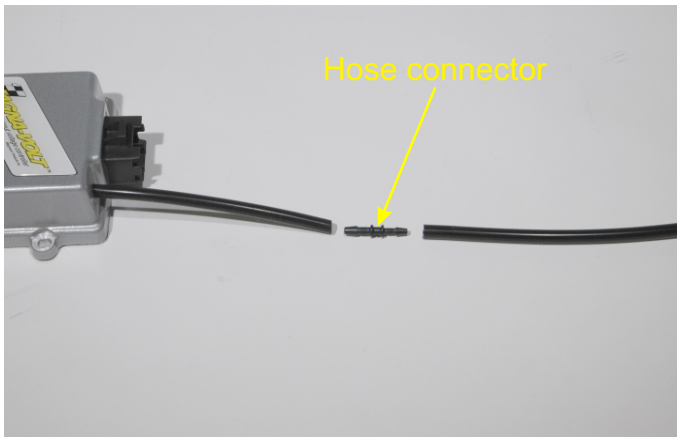
227. Insert the Magnavolt harness connector into the module unti it locks into place.

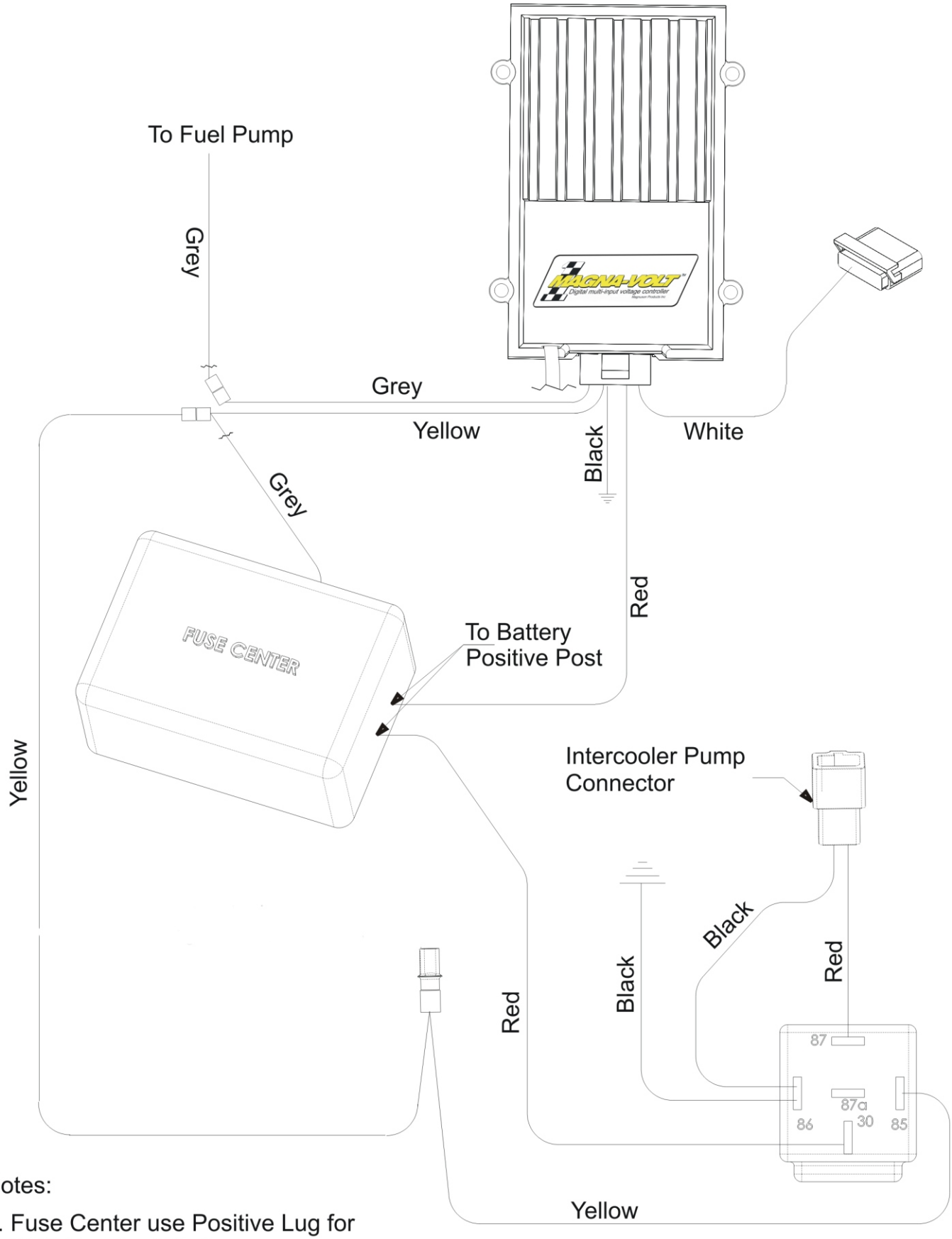


228. On the driver side (Left) rear of the supercharger manifold, locate the pressure port capped with a small, rubber cap and remove the cap.

229. Using the hose supplied, connect one end of the hose to the pressure port and then route the other end to the Magnavolt module. Secure the hose out of the way of the rotating parts at the rear of the blower with the Ty-wraps supplied.

230. Connect the remaining end of the hose to the hose on the Magnavolt module using the hose connector supplied. Secure the hose out of the way with the Ty-wraps supplied.





Notes:

1. Fuse Center use Positive Lug for RED Positive Wire's.

INTERCOOLER/MAGNAVOLT WIRE ROUTING DIAGRAM