

AMS Fuel System Instructions

1. Disconnect Battery
2. Remove Gas cap to relieve pressure in system
3. Remove rear seat
4. Remove 4 screws on driver's side panel to gain access to fuel sending unit.



5. Disconnect lines and electrical connector to sending unit (Use rag around hoses to prevent fuel spray)
6. Remove (6) 8mm bolts and carefully remove sending unit plate and sending unit.



7. Carefully install supplied sending unit and plate with the cut section of plate facing passenger side tighten bolts leave lines off for now.
 8. Remove stock fuel rail and install new one carefully changing over injectors.
- NOTE: Use lube on O rings to prevent tearing them.**



9. Remove return line from steel line under brake master cylinder. Cap off steel line with cap supplied.



10. Remove stock feed line from steel line under master cylinder.

11. Find pre-assembled Fuel Pressure Regulator and short -8 line with 45 deg fittings.



12. Install new fuel pressure regulator using supplied bracket on bolt by ABS as shown in picture



****Note**** On ACD Cars you must move relay to gain access to bracket for Fuel Pressure Regulator .

13. Remove vacuum line from fuel pressure regulator solenoid. Also remove line from solenoid to manifold. Run new vacuum line from manifold to new fuel pressure regulator bypassing the stock one.



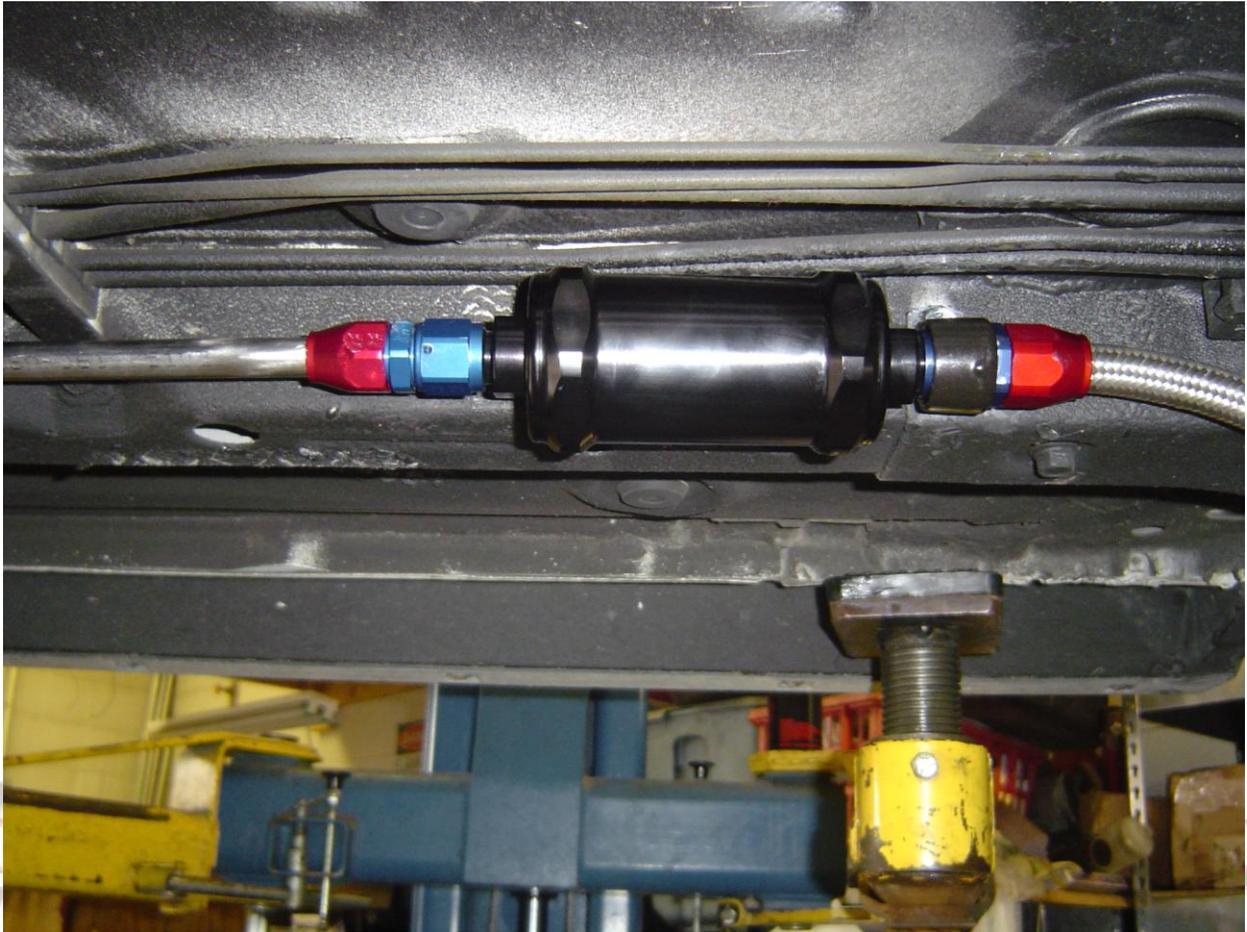
14. Use supplied 3/8" rubber hose and connect one end to the outlet on bottom of fuel pressure regulator with a clamp connect hose with the steel fitting on the end to stock feed line. Use barbed fitting to connect the 3/8" hose to the rubber end of the feed line using clamps.



15. Find longest -8 hose with 45 deg on one end and to straight on other end. Connect 45 deg to the fuel rail inlet side near throttle body and run the rest of the line down firewall towards frame rail.



16. Raise car or gain access to underside of vehicle using safety equipment such as jack stands or lift.
17. Gather stainless steel hard line, fuel filter, NOS Y connector, 1 1/4" tube clamp, 5/8" tube clamp, 6 mm nut and bolt
18. Lay out line on ground with bent end towards rear of car. Connect NOS Y connector to bent end of tube. DO NOT tighten completely. Install fuel filter to straight end of tube making sure to follow direction of flow. DO NOT tighten.
19. Remove bolt in frame rail discard.
20. Find new 8mm and use to screw 1 1/4" clamp into frame rail holding fuel filter. Install clamp on other end of filter and use self taper and drill into frame rail.



21. Hold other end up and find a suitable place for 5/8" clamp and drill 1/4" hole into steel bracket and use clamp and 6 mm nut and bolt to secure.



22. Tighten NOS Y so it is flat under car.

23. Tighten fuel filter to steel line and tighten -8 braided hose to front of filter. Secure braided line to under side of car.



24. Install walboro external pump using supplied clamps. Find suitable location under car. Drill $\frac{1}{4}$ " holes through floor and bolt the clamps to the underside of floor. Make sure pump is installed with electrical terminals facing passenger side.



NOTE: This view is from inside car looking into rear foot well.



25. Use short -6 line to connect the pump to the NOS Y.



26. Remove plastic line under car that connects the two steel feed lines together. Install -6 braided line with quick connector on one end and 120 deg on the other end to steel line coming from sending unit to NOS Y. Cap off return line with supplied cap.



27. Use rubber 5/16" hose with 90 deg quick connect and connect feed line to return line going to sending unit.



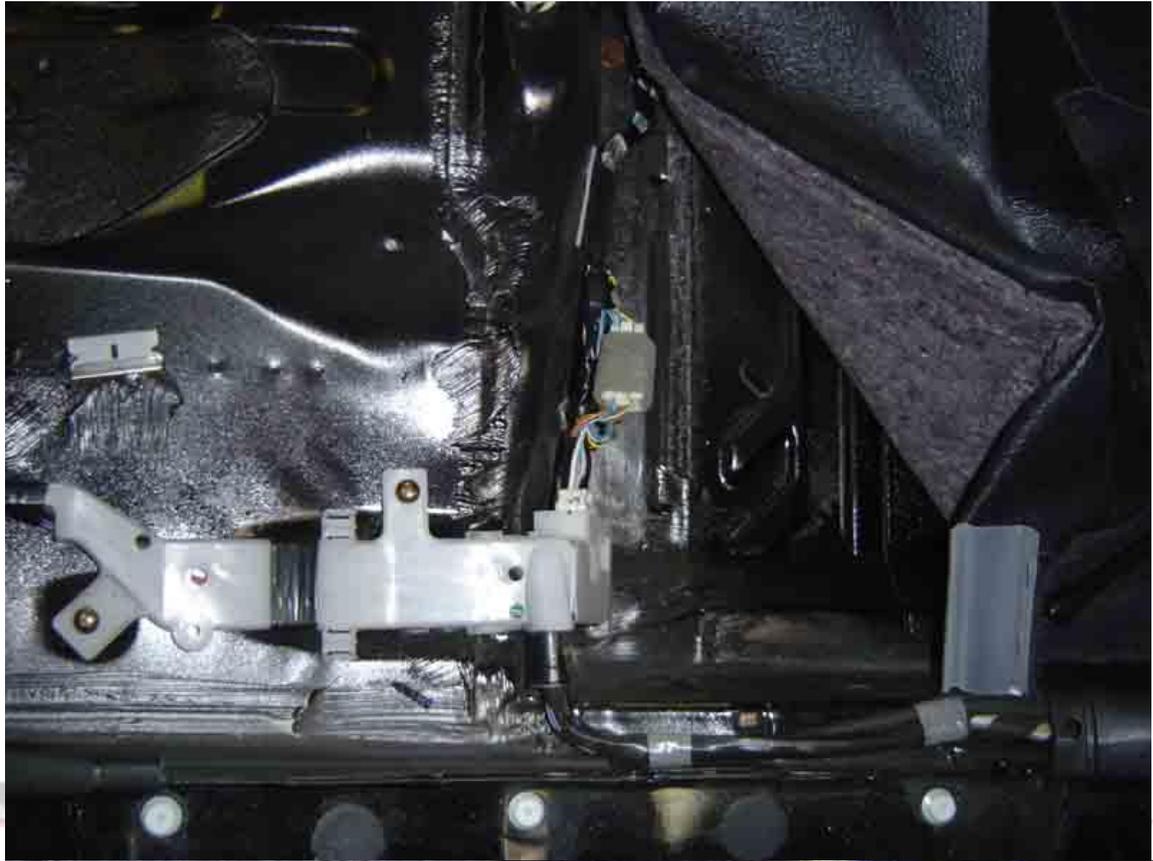


Wiring

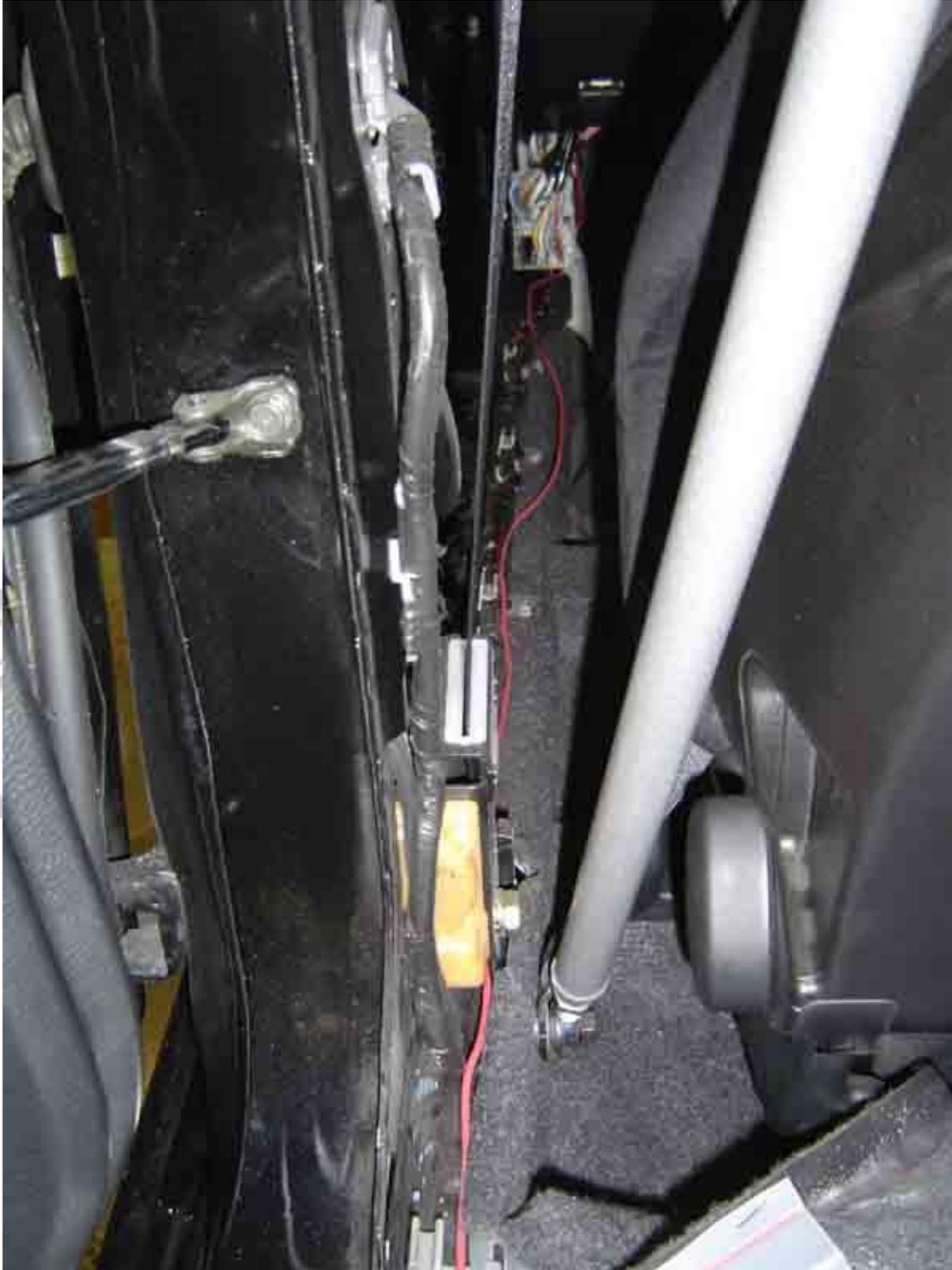
1. Find relay kit and install relay with self tapping screw through rear foot wall being careful not to hit the pump.



2. Drill (2) more 1/4" holes and install grommets supplied. Run thick yellow wire through hole towards pump and attach to positive on pump.
3. Run thick black wire from bolt on inside of car through grommet and to the negative on the pump.
4. Run ground for relay to bolt and use nut to secure.
5. Find small yellow wire from relay and run to the passenger rear floor. You will find a connector with a single white wire. Solder yellow wire to white wire and reinstall the plug. Reinstall trim.



6. Remove door still plates and B pillar trim. Run red wire from relay along floor towards the front of car.



7. Remove driver front wheel and inner fender well. Find grommet from inside car and run red wire through the grommet to outside of car. Follow wires that are already there secure red wire to them and bring wire up near fuse box.



8. Reinstall all trim and inner fender well and wheel.
9. Drill $\frac{1}{4}$ " hole in plastic fuse box and install grommet run wire through grommet and cut to size. Install crimp ring terminal. Attach to junction block using 10 mm nut on vehicle.



10. Find -6 line with 45 deg fitting and 120 deg. end. Run 120 deg end between fuel tank and frame towards walboro external pump. Do this from the top pushing the line down between fuel tank and body. You may need to pull connector through with pliers. Attach 120 deg to inlet of pump and 45 deg. end to -6 end on stock sending unit as shown in picture. Reinstall the return line and clamp, the feed quick connect and the leveling quick connect.



11. Reinstall gas cap and cycle key a few times to verify pumps are working. Check for leaks and start vehicle. Once vehicle is running, remove vacuum hose from fuel pressure regulator and set pressure to 43 PSI. Reinstall hose.

12. CHECK FOR LEAKS

13. GET TUNED

