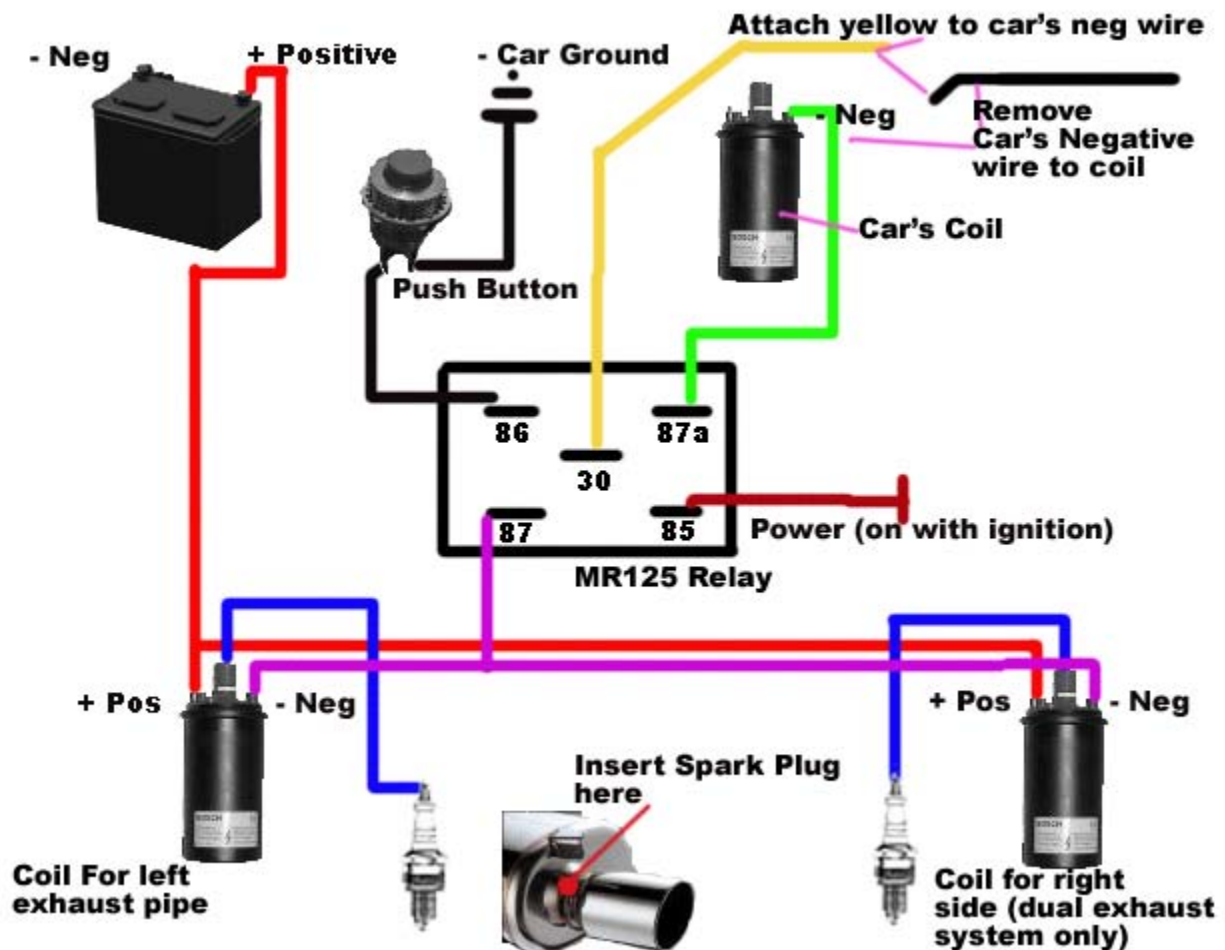


DISCLAIMER/WARNING:

This plan is for informational purposes only, in creating this system you are playing with FIRE. Know what you are doing, this is not for street use. Do not use this as a toy, or to spook other drivers, or use near flammables and gas stations. For obvious reasons having your car shoot flames may also be ILLEGAL in your state/country so beware. I am not responsible for your abilities or actions YOU ARE.

DO - IT - YOURSELF EXHAUST FLAME THROWER KIT

**Sections:**

- 1) How to install with a Relay.
- 2) How to install with a 3way switch.

REQUIREMENTS:

- 1) Remove your Catalytic converter (s) (rarely, but some cars may work with out removing) in removing your CAT. you MAY no longer pass emissions tests.
- 2) Make sure that your exhaust system is solid and has no holes anywhere along the system.

Check list of Items you will need:**The Relay method**

- 1) 1 Coil (if doing a single exhaust system)

- 2) 1 Relay (recommended MR125 GP-Sorensen Relay, used in alarm systems)



- 3) Several feet of good electrical wire color Green, Purple, Black, Red, and Yellow (wire for power should always be thicker, colors not necessary as long as you don't get confused.)
- 4) 1 working sparkplug (or 2 if doing dual exhaust)
- 5) An on/off push button switch (momentary recommended not needed if trying the 3way switch)
- 6) Electrical tape
- 7) Standard Ignition Cable (longest you can find)

The 3 Way Switch method

- 1) 1 Coil (if doing a single exhaust system)
- 2) THREE Way On off ON switch



- 3) Several feet of good electrical wire
- 4) 1 working sparkplug (or 2 if doing dual exhaust)
- 5) Electrical tape
- 6) Standard Ignition Cable (longest you can find)

A list of places you can find the needed items:

- 1) **Coil** can be purchased at AutoZone www.autozone.com part number "C-819" or any old working coil can be used that matches the one in the diagrams.

- 2) **Relay** can be purchased at AutoZone www.autozone.com part number "MR125" make sure the relay has the numbers 87, 87a, 86, 85, 30 on it, if it doesn't then you will need to know how that relay works.
- 3) **Wire** can be purchased at Radio Shack or any electrical store colors do not need to match, but be sure not to mix them if you are using different colors. we will be using Purple, Red, Green, Yellow, Black for my explanation
- 4) **Sparkplugs** Can be purchased at any auto store or you can use your old ones as long as they are not damaged and in working condition.
- 5) **On/Off Button** and **Black Tape** Can also be purchased at **Radio Shack**.
- 6) **Ignition Cable** is the wires that connect to your sparkplugs you can use old ones or buy new ones. If the length is not enough you can take two and cut and splice to make them long enough but you risk loosing quality electrical signal.

Installing the System (w/Relay)

1. Find a place for your relay. You can put it anywhere you like. (I put mine under the hood)
2. Look for your car's coil, Here is a picture of mine. Yours will look different or may even be two square type boxes.



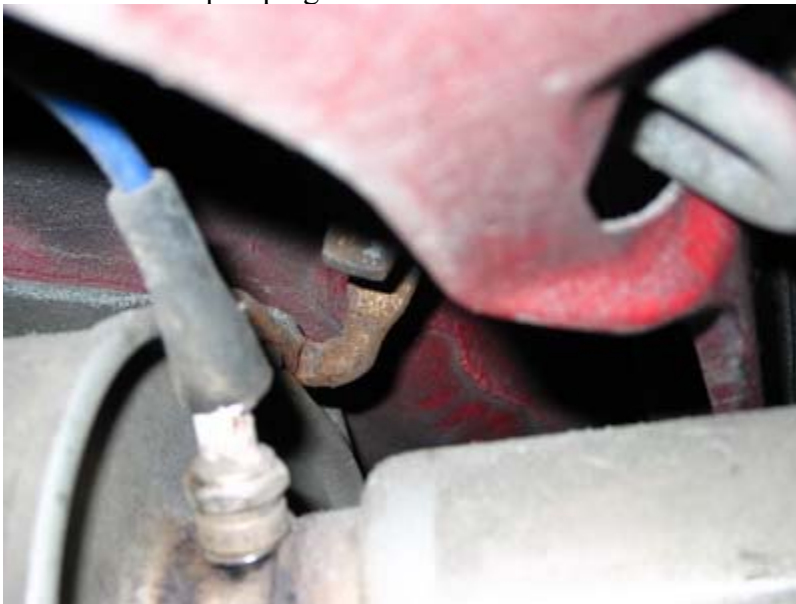
3. Once you find it you will have to look for the negative wire on the coil. You will need to either cut this or disconnect it. (Check trouble shooting if you don't know which)
4. Run a wire from your car's coil to where your relay will be located and connect it to the Green wire on the relay 87a.
5. Take the wire that was going to the negative side on your coil and wire that to your relay on #30 Yellow wire. (Simply put 30 and 87a will be reconnecting the wire that you cut on your car's coil.)
6. Find a wire that gives power and connect it to the red wire #85 on the relay. Use a wire that gives power when the car is on or just connect directly to your + on your battery.

7. Mount your Switch, one side to Black wire on relay #86 and the other to ground - on the car (Any constant - **Negative** contact or - on the battery)

8. Mount your store coil in the trunk.



9. Drill or find hole in your trunk, then drill a hole about 5 inches from the end of your muffler tip make sure the sparkplug fits and the hole is not to big. Screw in the sparkplug and connect the Ignition cable to the coil and sparkplug.



10. Run a wire from your car battery (positive) to the coil in the trunk, positive side of the coil.

11. Run the purple wire on the relay 87 to the rear coil, negative side.

12. Check all connections if all is well. Start your car. Your done and ready to test.

Installing the System (3Way Switch)

1. Find a place for your switch.
2. Follow Steps 2 and 3 from the Relay Install.
3. Wire the wire that is going to your - Negative side on the car coil to the Center of the 3 way switch.
4. Wire the top of the switch to your Car's Coil negative side.
5. wire the bottom of the switch to the coil in the trunk negative side.
6. Run a positive wire to the coil in the trunk from your battery.
7. Connect the spark plug and install it in your exhaust.
8. And your done. When you flip this switch to ON for trunk coil your engine will start to stall make sure you flip it back to main before the RPM's go under 1000.

TESTING

Make sure nothing is behind your car and that you are in a open area. Take the engine to about 5,000 RPM and press and hold the switch, the engine should start to stall. *POOF* Great Balls of Fire your SHOOTING FLAMES!! Enjoy!



TROUBLE SHOOTING

- 1) No Flames?
 - a. Try changing the wires around for the Green and Yellow on the relay box.

- b. Make sure the spark plug and coil work, use Step #4 in install instructions to test them.
- c. Make sure you have no Catalytic Converter.
- d. Make sure there are NO HOLES in your exhaust system.

2) Trouble starting the car?

- a) You did something wrong on the wiring with 30 and 87/87a on the relay, Green and Yellow on the control box. Double check the wires from start to finish make sure they are securely connected and not cut anywhere and wired correctly. Try switching 87 with 87A.

3) Finding the Negative on your Coil

The easiest way to do this is to take the coil you got from the store and connect 2 wires to it.

- a. One on the negative/One on the positive.
- b. Connect the ignition wire to the coil and to the sparkplug and place the sparkplug near something metal (turbo or something)
- c. Now take the wire that is connect to the positive side of the coil and connect it to the battery +.
- d. The negative side you will use to find what wire in your car's coil is the negative wire.
- e. Start the car and take the negative wire from the store coil and touch each one of the wires on your car's coil till you see that the spark plug is firing.

(You may need to splice into some of the wires to get contact) Once you've found it, cut engine off. Label this wire and cut it.

*****DO NOT HOLD THE SPARK PLUG WHILE DOING THIS UNLESS YOU LIKE THE FEEL OF ELECTRIC SHOCK*****