

## PA Performance Mustang Alternator - 130 Amp (96-02 Cobra) - Installation Instructions

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The below installation instructions work for the following products:

- **PA Performance Mustang Alternator - 130 Amp (96-02 Cobra)**



Please read through the instructions carefully before starting this project. Take the time to get all the materials together as well as all the safety equipment.

### Overview:

This is a great way to upgrade your mustang's electrical system. If you took your car to a mechanic, it would cost you the same or more to have a factory alternator installed. This product will really help you folks out that have upgraded stereos. After I installed the alternator I was impressed by the fact that when I had my tunes turned up the lights did not dim at all! PA also has a great warranty on their products.

### Tools needed:

- 3/8" drive ratchet
- 1/2" drive ratchet
- 6" 3/8" drive extension
- 3/8" drive wobbler socket
- 10mm 3/8" drive socket
- 10mm wrench
- 7/16" wrench

### Installation:

1. Disconnect the battery using the 7/16" wrench. I would disconnect both the positive and negative to be on the safe side. You MUST do this to avoid damage later on during the installation!



2. Now using the 1/2" ratchet, remove the serpentine belt. This can be done by putting the square drive end of the ratchet into the belt idler assembly shown. Set the ratchet to tighten, or clockwise. As you hold the tensioner down use your other hand to take the belt off a pulley. Then SLOWLY release the ratchet.

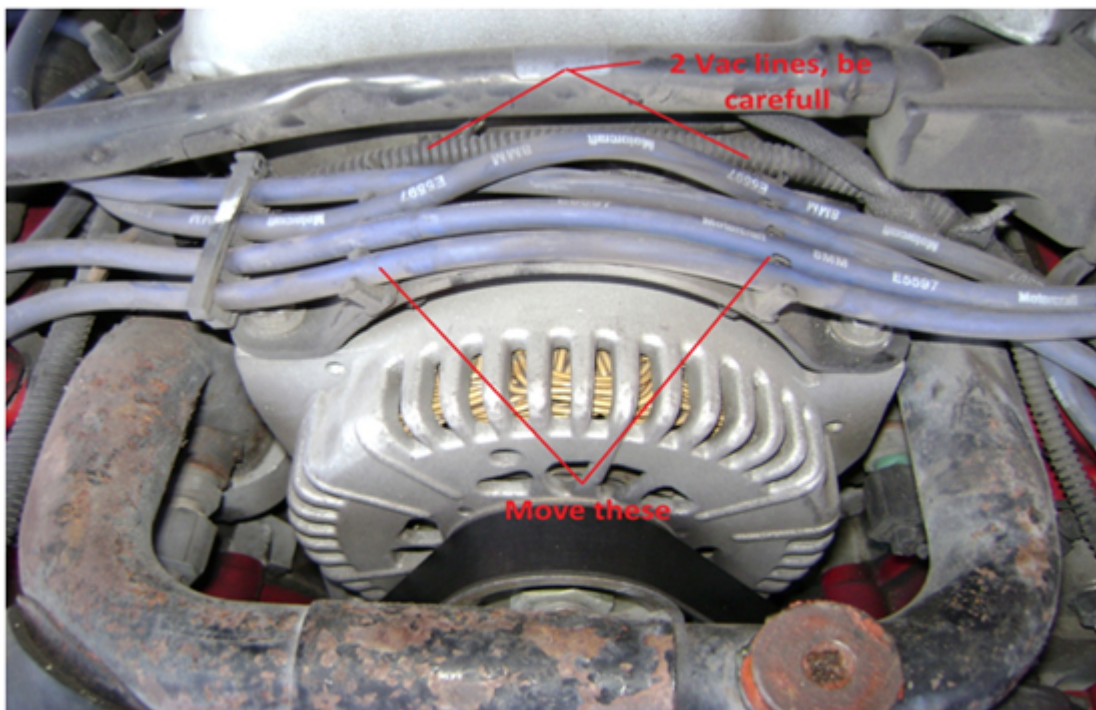




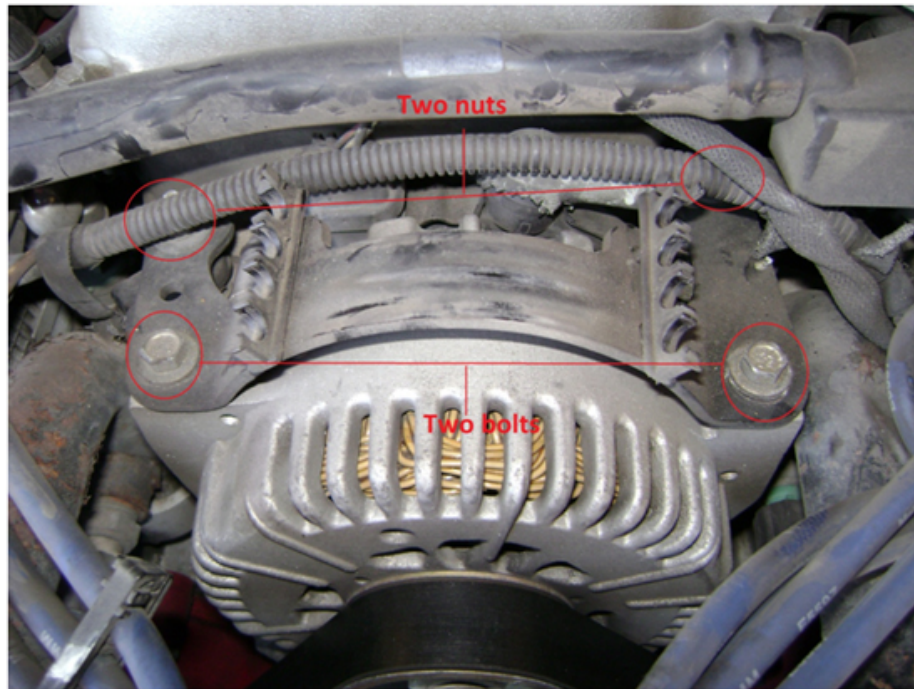
3. Remove the PCV tube. It just pulls off.



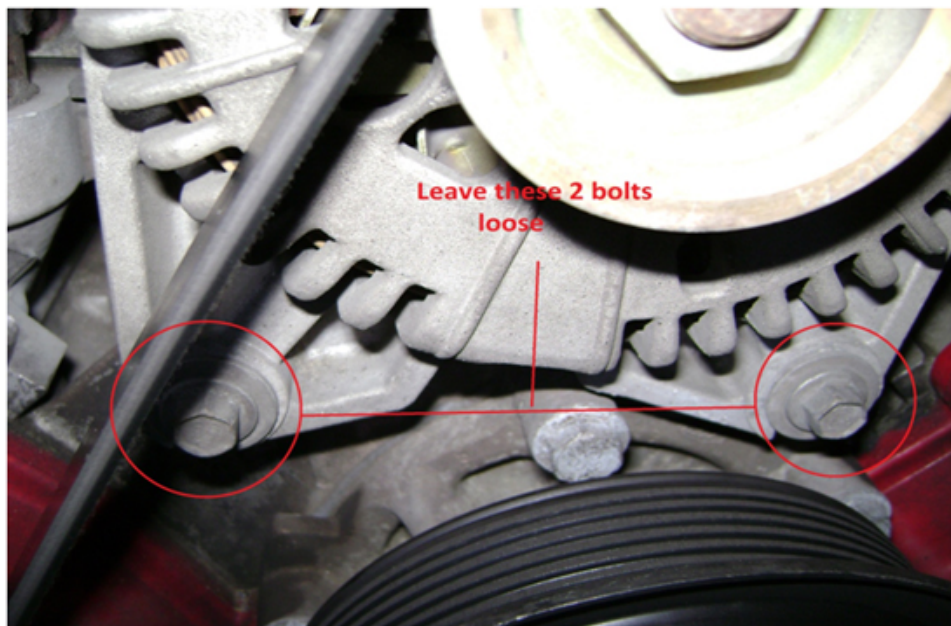
4. Now you will need to move the spark plug wires out of the way. You don't have to unhook them only move them away from the top of the alternator. You will also need to move the two vacuum lines that run across the top of the alternator. BE CAREFULL they break very easy!



5. Now using the 3/8" drive ratchet, 6" extension and 10mm socket remove the alternator bracket. There are 2 bolts and 2 nuts that need to be removed.



6. Disconnect the plug in connection on the top of the alternator. Take the 10mm nut off of the power feed wire and move it to the side.
7. Loosen the 2 bolts near the bottom of the alternator, if you take them all of the way out it's not a big deal. It's just easier to install the new alternator if the bolts are left in, but very loose. The bolt on the right can be hard to get to so I used a wobbler (universal) joint. You can also use a 10mm wrench if you do not have a wobbler joint around.



8. Now that you have all of the nuts and bolts removed or loosened you can lift the old alternator out. Pull it straight up. You may want to see if you can get a friend to hold the spark plug wires out of the way or you can just zip tie them out of the way.
9. Take your new alternator and put it back into position. This is where leaving the 2 bottom bolts in will help you out. The alternator has channels cut into it so it can just slide over the bottom bolts.
10. To maintain your PA alternators warranty you will have to replace the power feed wire with one that is at least a 4 gauge wire. American Muscle sells this as well (part # 95311). It already has all of the connections and fuse in place. All you have to do is hook the end closest to the in line fuse to the fuse box on the driver's side of the car. Use your 10mm wrench. Then hook the other end to the threaded stud on the alternator itself. Be sure to secure the wire away from the belt. You do not have to remove the old wire from the harness. Plug in the connector you unplugged earlier.
11. Now install the alternator bracket back on the top of the alternator. Set it in place then tighten the bolts first and then tighten the nuts. Put the spark plug wires back into the holders as well.
12. Tighten the bottom 2 bolts on the alternator.
13. Using the 1/2" drive ratchet, reinstall the belt.
14. After you have double checked your work reconnect the battery.
15. Start your car up and enjoy more electrical power!

Installation instructions provided by AmericanMuscle customer Ryan Summers 3.5.10

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