



## Fuel Pump Voltage Booster Installation Instructions

Thank you for purchasing our Lethal Performance FUEL+ Fuel Pump Voltage Booster!

*Our 40amp fuel pump voltage booster provides a constant 18v to your factory fuel pump giving you the ability to support more power and different fuel types.*

*The FUEL+ works for E85 conversions and those running aftermarket supercharger and turbo setups. The FUEL+ is also tuner friendly and very reliable.*

### **Step 1:**

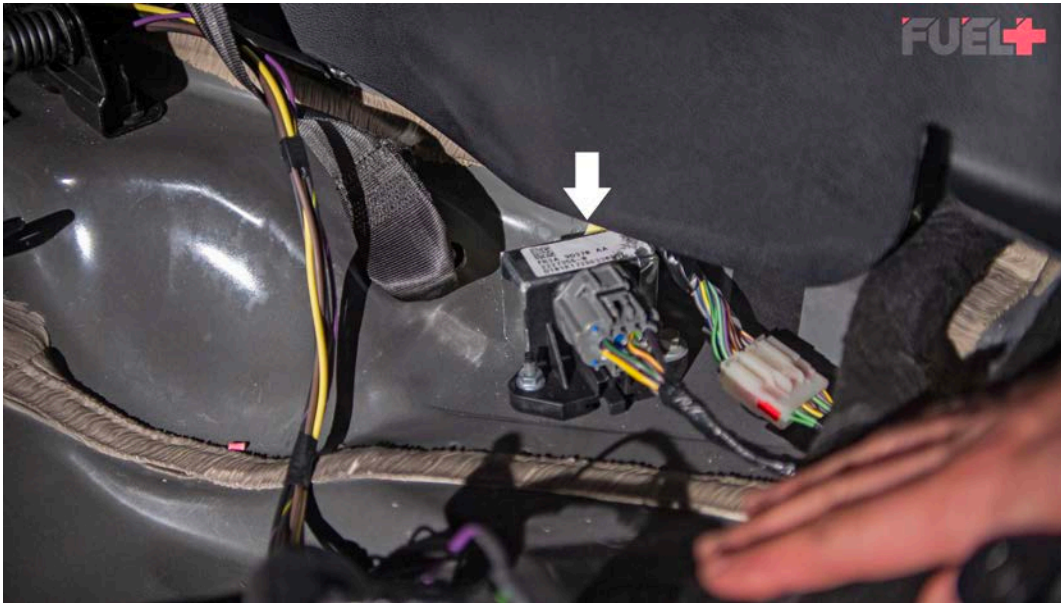
Locate the factory FPDM.

- For 2005-2014 Mustang GT/GT500, it will be located in your trunk at the rear of the spare tire well.



*FPDM in an 05-14 Mustang*

- For 2015-2019 Mustang GT you will need to remove the back seat. Once removed, locate the FPDM on the driver's side.



*FPDM in a 2015+ Mustang*

**Step 2** (for 2015+ Mustang ONLY, if you have an 05-14 continue to Step 3):

Unplug the factory FPDM and remove from the vehicle using a 10mm socket. Once removed, you will need to modify the connector housing of both the FPDM and the supplied pigtail.

On the FPDM, you will need to remove ribs on the outside so that there are only 2 small on each side.



*Remove larger outside fins of FPDM connector.*



*The FPDM connector housing should look like this once modified.*

On the supplied FUEL+ pigtail, you will want to remove the shorter ribs that end in an angle.



*You will need to remove this tab from the connector.*





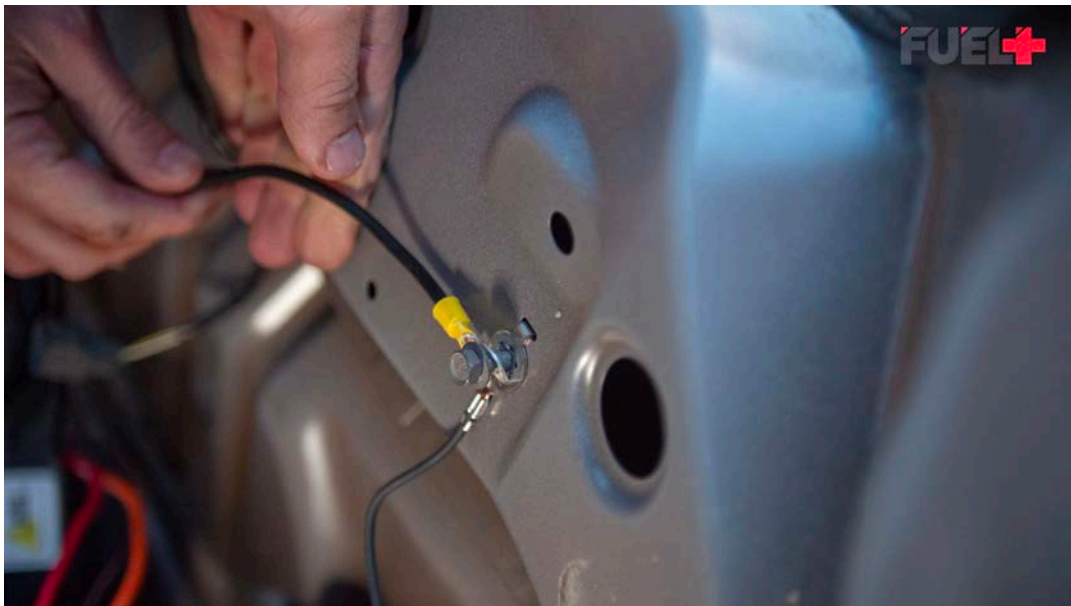
*Once removed, the connector should look like this.*

After you have modified the connectors, you can return to the vehicle with the pieces and proceed to the next step.

**Step 3:**

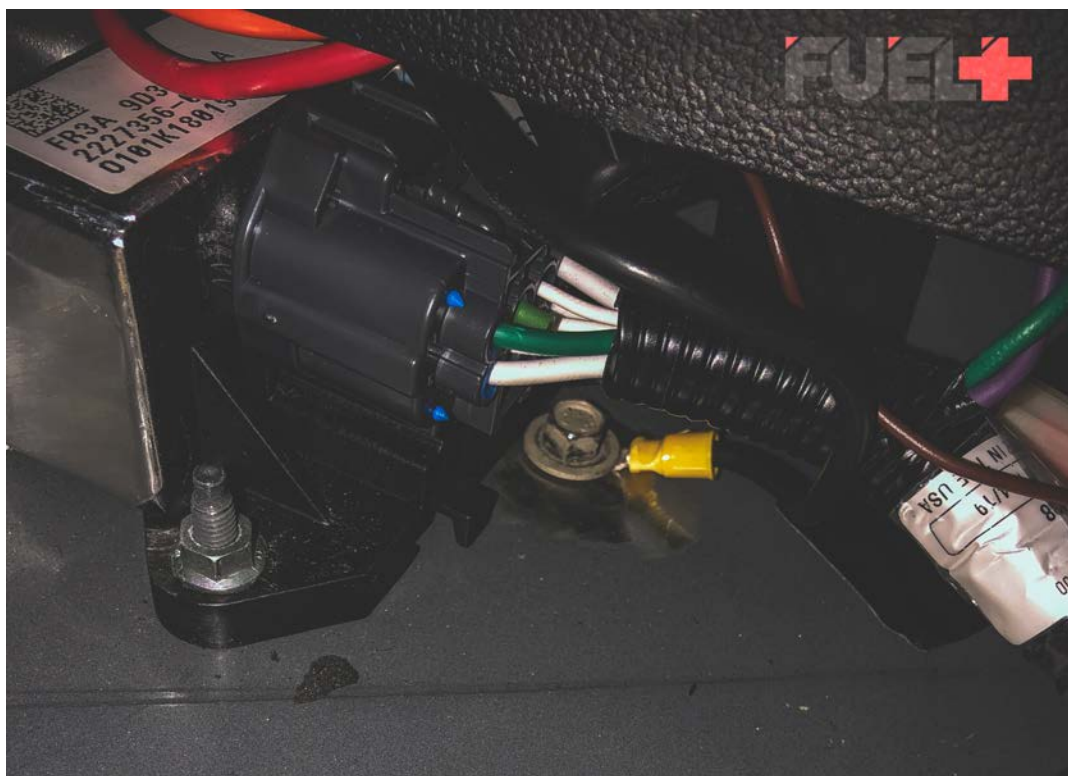
Find a ground for the black ground wire.

- For 2005-2014 Mustang GT/GT500 the best location is the factory ground bolt located behind the trunk plastic trim.



*Factory ground located behind the rear trunk trim panel.*

- For 2015-2019 Mustang GT you can use the 10mm bolt used to hold the FPDM to the chassis.



*Use the factory 10mm bolt that attaches the FPDM to the chassis.*

**Step 4:**

Using the supplied pigtail harness, connect the FUEL+ to the factory FPDM and factory harness.  
(NOTE: If using a dual unit setup the steps are the same, just connect one unit to each FPDM)



- 2005-2014 Mustang configuration:



*The small side connector of the pigtail will plug into the FUEL+ connector.*

Next, plug the connectors in line to the OEM harness & FPDM connection.



*Connect pigtail in line with harness & FPDM.*



- 2015-2019 Mustang configuration:



*The small side connector of the pigtail will plug into the FUEL+ connector.*

Next, plug the connectors in line to the OEM harness & FPDM connection.



**Step 5:**

Next step is to mount the FUEL+ unit. Attach one side of the supplied adhesive velcro to the back of the FUEL+ unit.



*Attach one side of the supplied adhesive velcro to the unit.*

- For 2005-2014 Mustangs, the spare tire well is the optimum mounting position. Make sure there is clearance for the spare tire if your car came with one.



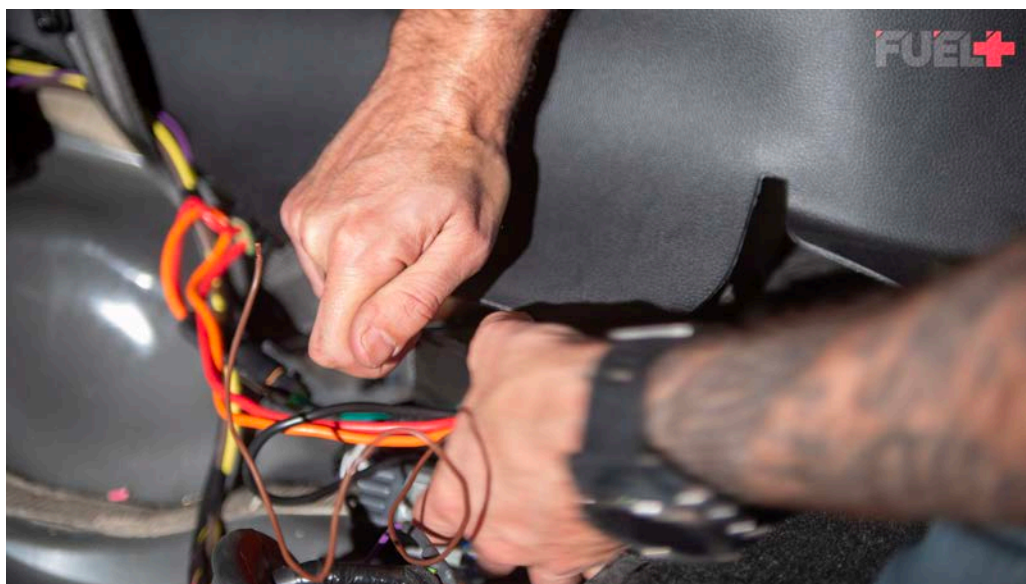
*Attach the FUEL+ unit to the chassis, making sure it clears the spare tire.*



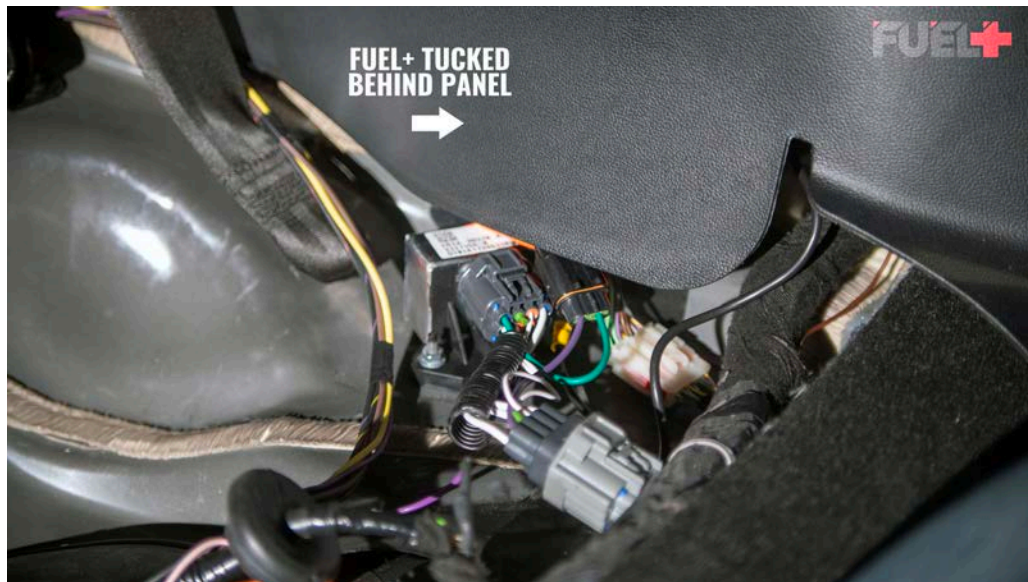
- For 2015+ Mustangs, the best place to mount is behind the rear seat armrest trim panel on the driver's side, just above the FPDM. You will need to pull back the panel and remove the foam insert behind it. After that is removed, you can affix the FUEL+ unit behind the panel, making sure to tuck any loose wires before replacing the rear seat.



*Remove the factory foam insert from behind the trim panel.*



*Attach the unit behind the panel.*



*FUEL+ unit hidden behind the trim panel.*

**Step 6:**

The last step is to replace your factory ATC fuel pump fuse with the supplied 40 amp fuse.

Here are some common fuse locations:

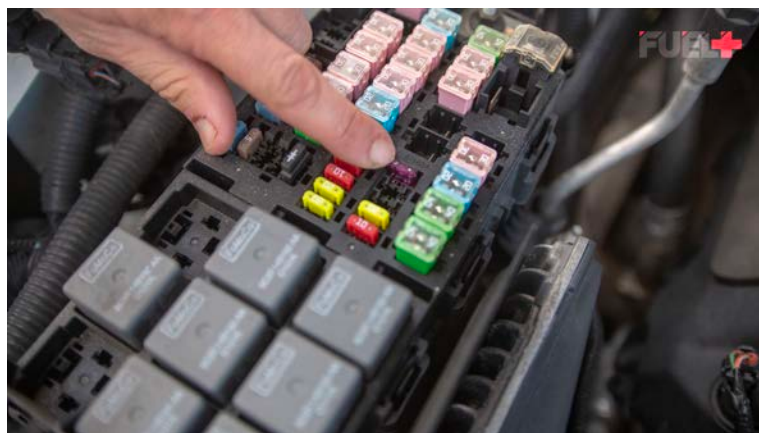
- 2005-2009 Mustang GT/V6 - F41
- 2010 Mustang GT/V6 - F13
- 2011-2014 Mustang GT/V6 - F13
- 2007-2009 Shelby GT500 - F41 and F6 on the strut tower
- 2010 Shelby GT500 - F13 and F14
- 2011-2012 Shelby GT500 - F13
- 2013-2014 Shelby GT500 - F13 and F14
- 2015-2022 Mustang GT - #49



*Locate your fuse box.*



*Remove the designated fuse.*



*Replace with the supplied 40 amp fuse.*

**Congratulations! You have now installed the FUEL+ Fuel Pump Voltage Booster into your vehicle.**

Thank you again for the order & we hope you have fun with your build.

If you have any questions, please reach out to us by phone at 877-2-LETHAL or by email to [support@lethalperformance.com](mailto:support@lethalperformance.com)