

6-45-M53

Honda and Acura

DeatschWerks Performance

In-Tank Regulator Installation Guide



Table of Contents

Top Hat/Center Section Removal [Page 3](#)
Removing and Installing the Regulator [Page 4](#)
Module Reassembly [Page 6](#)

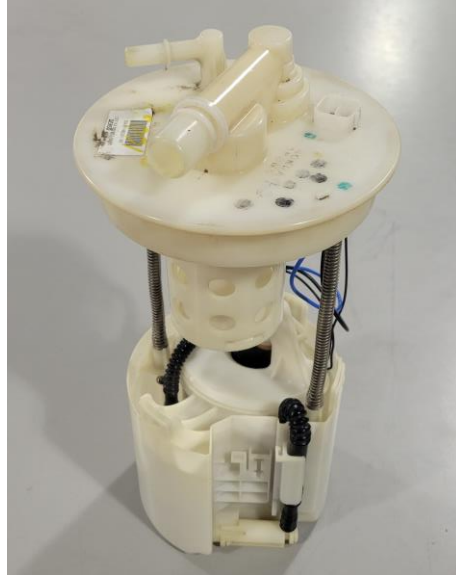
PLEASE READ: This guide is intended to aid in the installation of our products. It is recommended that factory manuals or instructions are followed to remove the fuel pump assembly from the vehicle. Instructions in this guide are generic and are intended to aid in the installation of the DW Performance In-Tank Regulator. The factory manual should supersede any contradiction.

Important Notes: This performance in-tank regulator will increase fuel system pressure. Depending on the application it should raise it from 58psi to 65psi. Most OE in-tank regulators open earlier than expected causing reduced pressure and performance from the pump. This happens especially with higher flowing performance pumps. This will allow the pump to make pressure under higher load without sacrificing performance and flow.

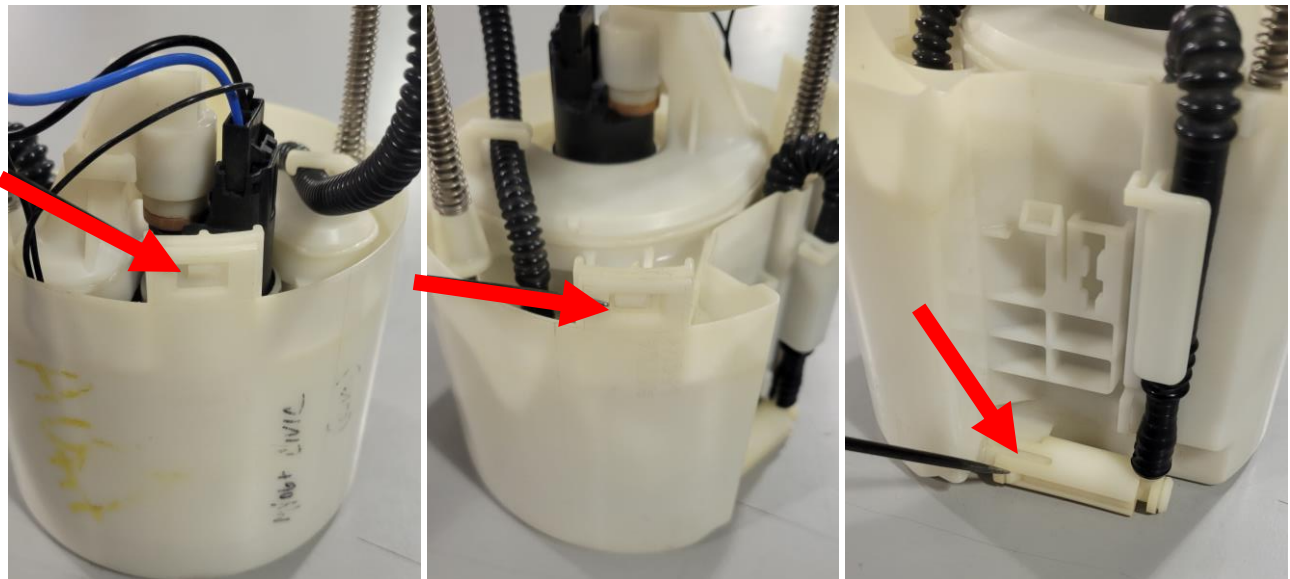


Removing the Top Hat and Center Section of the Module

1 – Remove the pump module from the vehicle per the vehicle manufacturer guidelines.

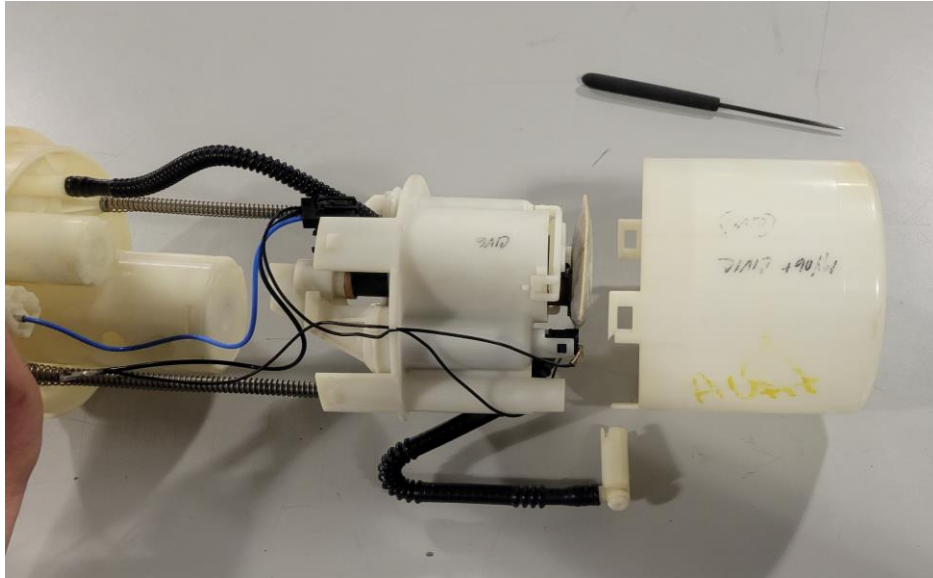


2 – Remove the top and center section from the bucket by undoing each locking tab. There are 3 on the bucket and 1 that is a part of the self-fill function. See the 3rd picture below.



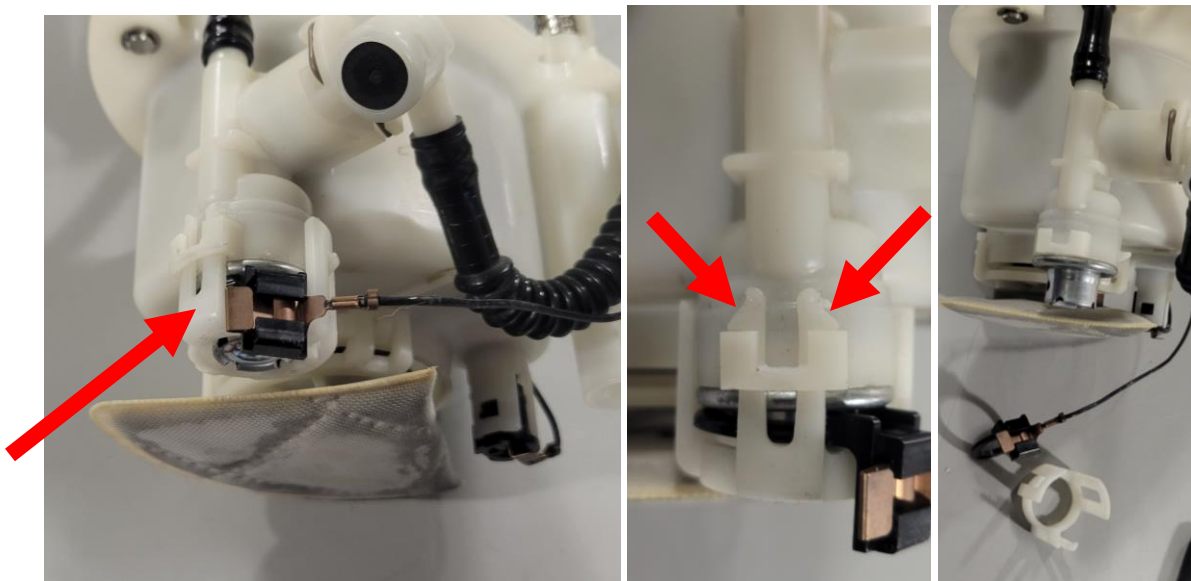
Honda and Acura Performance In-Tank Regulator

3 – With each tab unlocked you should be able to remove the bucket from the center section. We now have access to the regulator retainer.



Removing and Installing the Regulator

5 – Remove the regulator retainer. The regulator is shown in the 2nd image below. You can remove the regulator retainer by using a pair of pliers to pinch the tab and pushing it down. The remaining locking tabs can be released with a screwdriver or pick. These do tend to have a habit of flying across the room. Keep that in mind.

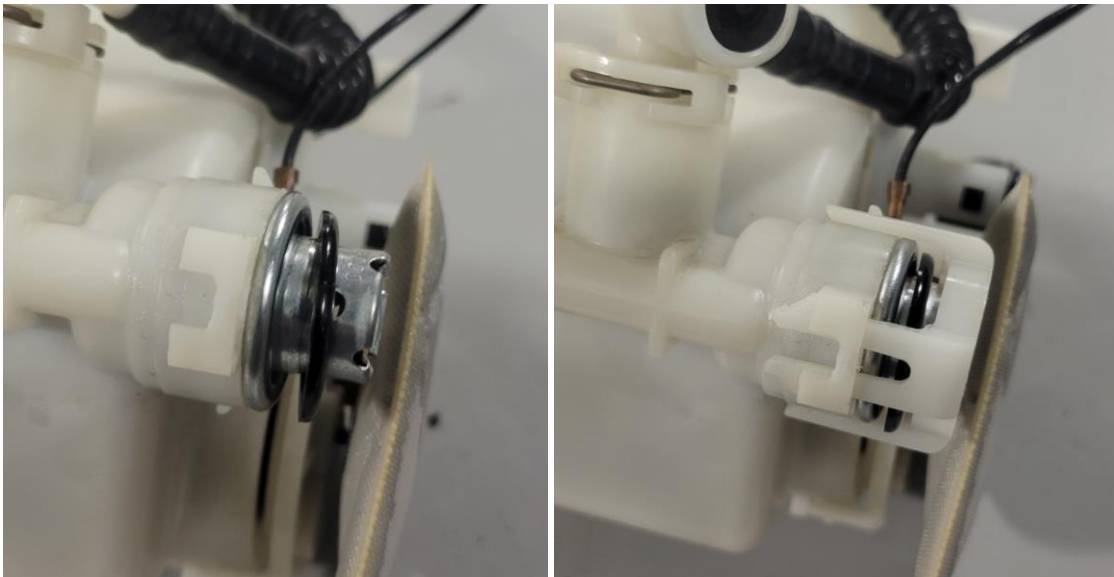


Honda and Acura Performance In-Tank Regulator

6 – Remove the factory regulator with a pick or screwdriver and place it to the side so it does not get mixed up with the DW Performance In-Tank Regulator. Place some lubrication on the regulators o-rings to ease installation. Shown in 2nd picture.

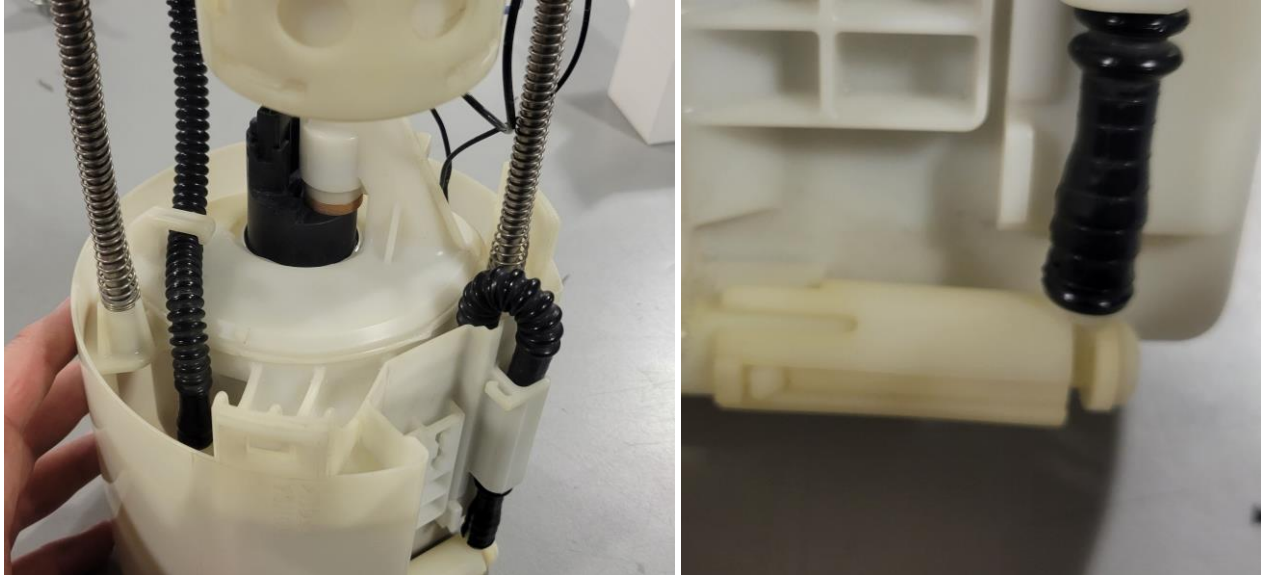


7 – Install the DW Performance In-Tank Regulator into the regulator port. Place the static discharge ground over the regulator prior to installing the retainer. If you do not have this piece skip that step. Reinstall The regulator retainer. Make sure each tab is securely snapped onto the center section. This does see full fuel pressure.

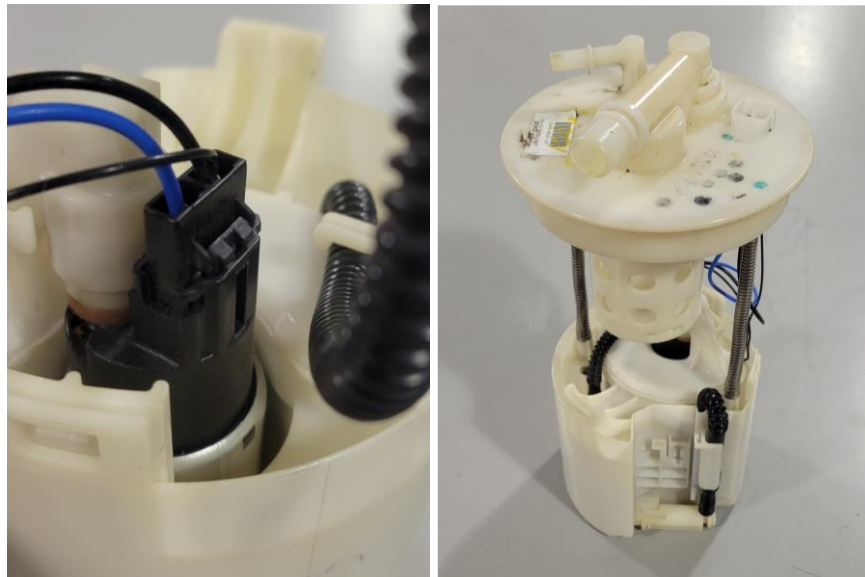


Module Reassembly

8 – Insert the center section back into the bucket. Make sure you align each locking tab. Some may clip in without all of them being in the correct location. Do not forget to reattach the self-filling function. This helps protect against fuel slosh by keeping the bucket full.



10 – Make sure to plug in the level sender and pump if you unplugged them. With this you are done with the module, and it is ready for installation into the vehicle.



For additional technical support please contact us at: TechSupport@DeatschWerks.com or 405.233.3991