



# SLP GM/Chevrolet LS3 COIL COVER KIT

**2010+ Camaro 5.3L/6.2L**

**2007+ GMT900 5.3L/6.2L**

PN: 620038

## Installation Instructions



### **Important Notes:**

- Before installing your SLP Coil Cover Kit, please read the installation manual and verify that all items are present. If you are missing hardware or have any questions, please contact SLP Performance at 1-855-SLP-PERF (1-800-757-7373).



## **PACKAGING LIST FOR ITEM 620038**

SLP GM/Chevrolet LS3 Coil Cover Kit

Description	Part Number	Qty
SLP Coil Cover, Passenger Side	HH-6P068	1
SLP Coil Cover, Driver Side	HH-6P067	1
Installation Manual	HH-COILKITIM	1
SLP Coil Cover Hardware Kit	COILKIT-HWKA	1
Spacer, Coil Cover	F145813	6
Bolt, M6 x 1.00 x 25 mm (Coil Style B)	F161813	1
Bolt, M6 x 1.00 x 30 mm (Coil Style A)	F161814	1
Adhesive Disc	9755	8
Wiring Sleeve	20418	1
Zip Tie	21000K	1

**If you are missing any items, please call us toll free at 1-855-SLP-PERF**

**WARNING: SLP Recommends allowing the vehicle to cool (not running) for five hours before beginning installation.**

## **EQUIPMENT AND SUPPLIES REQUIRED**

- Fuel Line Tool, Quick Release Style
- 3/8" Drive Ratchet with Extensions
- Metric Socket Set (short and deep recommended)
- Cutting Tool (For Zip Tie)
- Air Saw (To Modify Cover for Truck/Other Applications)
- Drill Motor (Truck Only)
- Drill Bit Set (Truck Only)



## **LIMIT OF LIABILITY STATEMENT**

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. SLP Performance Parts reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

## **SAFETY PRECAUTIONS**

**STOP! CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS AND WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!**

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- ! Always wear safety glasses for eye protection.
- ! Place the ignition switch in the OFF position.
- ! Always apply the parking brake when working on the vehicle.
- ! Block the front and rear tire surfaces to prevent unexpected vehicle movement.
- ! Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- ! Do not smoke or use flammable items near or around the fuel system.
- ! Use chemicals and cleaners only in well-ventilated areas.
- ! Batteries can produce explosive hydrogen gas which can cause personal injury. Do not allow flames, sparks or flammable sources to come near the battery.
- ! Keep hands and any other objects away from the radiator fan blades.
- ! Keep yourself and your clothing away from moving parts when the engine is running.
- ! Do not wear loose clothing or jewelry that can be caught in rotating or moving parts.
- ! Disconnect both the Negative (-) and Positive (+) Battery Terminal Leads (in this order) to reduce the risk of electric shock.





## **Installation**

The following section will guide you through the disassembly and installation. Special care should be taken to label fasteners and parts that are taken off during this procedure since some will be reused:

1. If installing on a GMT900 (Truck) application, proceed to step 4. Refer to your owner's manual for the location of the fuel pump fuse and remove the fuel pump fuse.

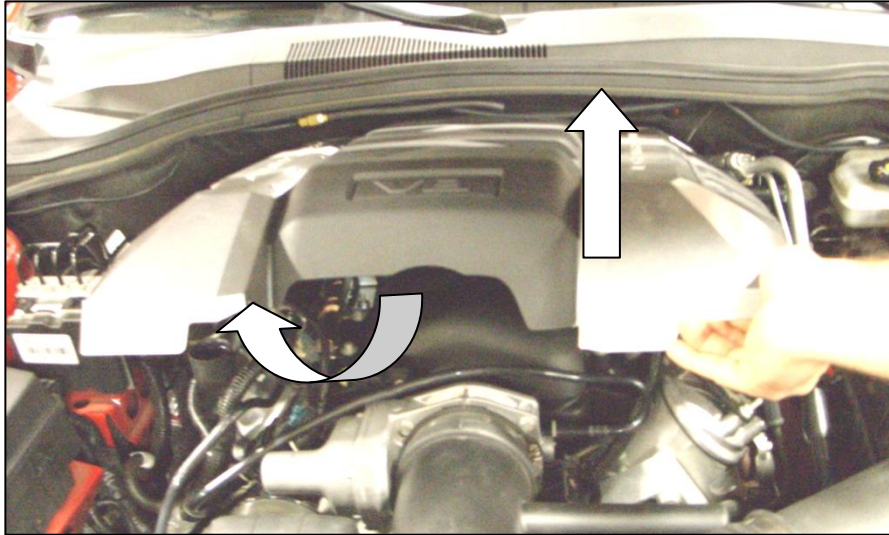


2. Start and run the vehicle until the engine stalls to remove fuel from the fuel rail.
3. Remove the battery negative terminal as a safety precaution.
4. Remove the engine oil fill cap.

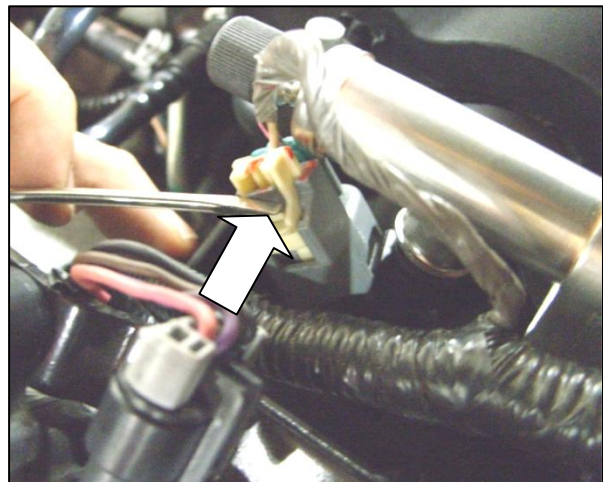
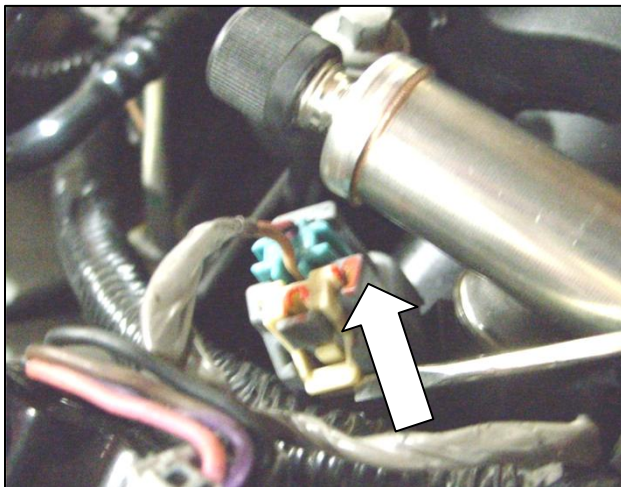




5. Remove the engine cover (if equipped) by pulling upward so the cover clears the oil filler neck cap, and then forward, out of the vehicle.

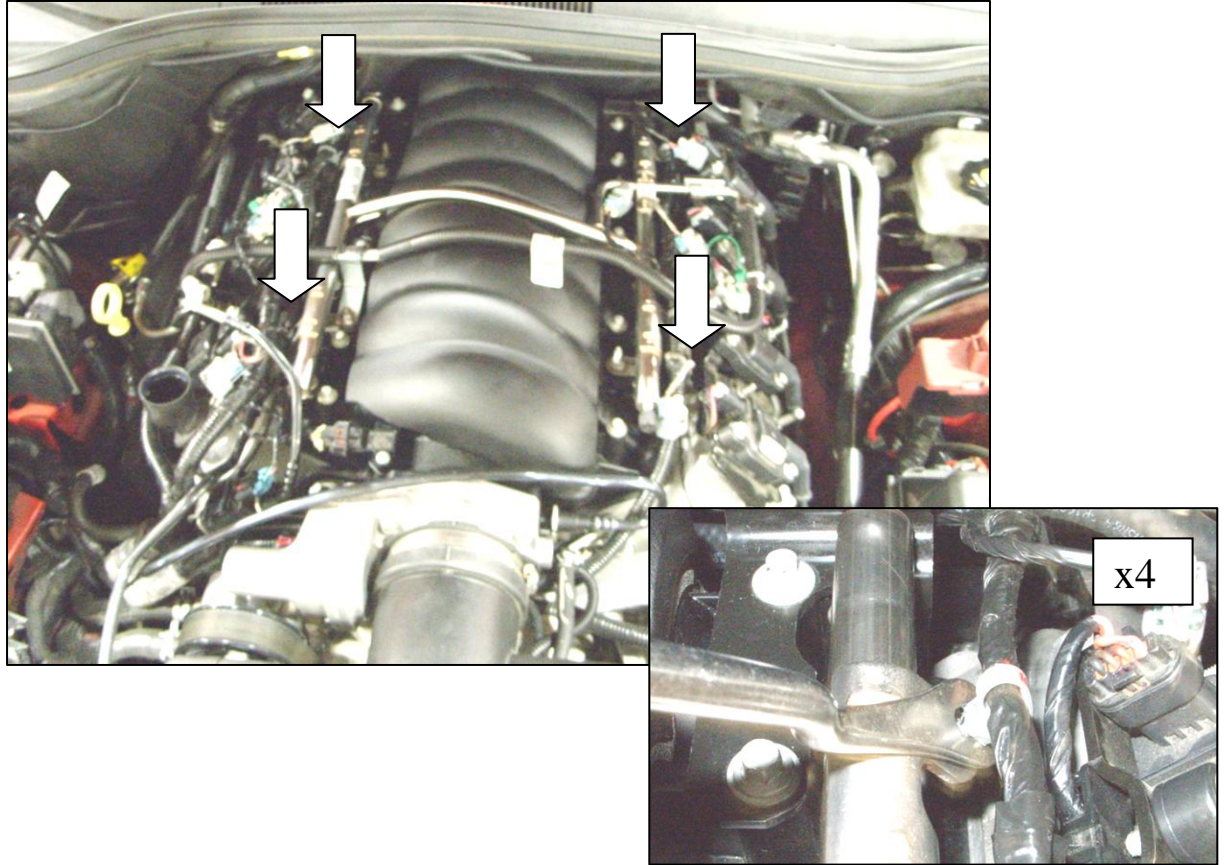


6. Disconnect the (8) fuel injectors. To remove, slide the lock upward and depress the release tab on the injector connector.

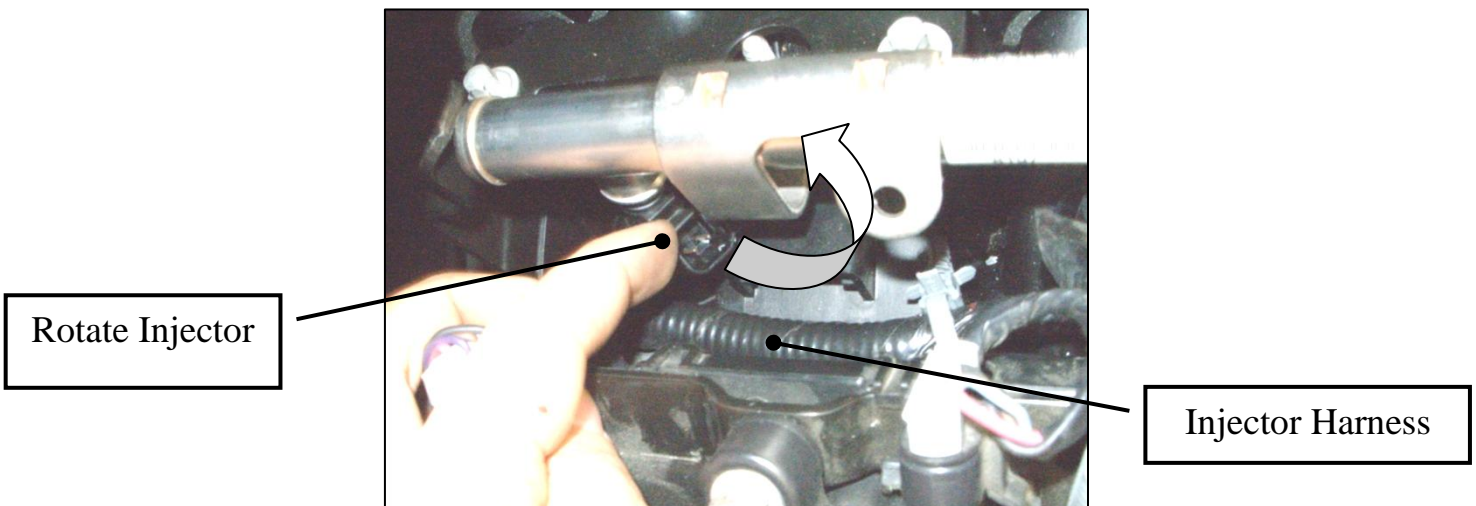




7. Remove the (4) injector harness clips from the fuel rails.



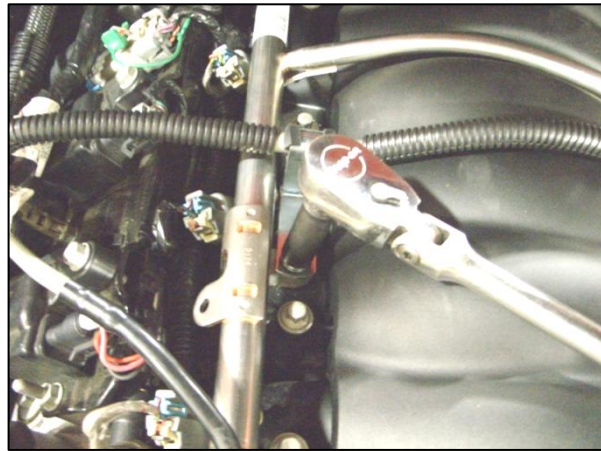
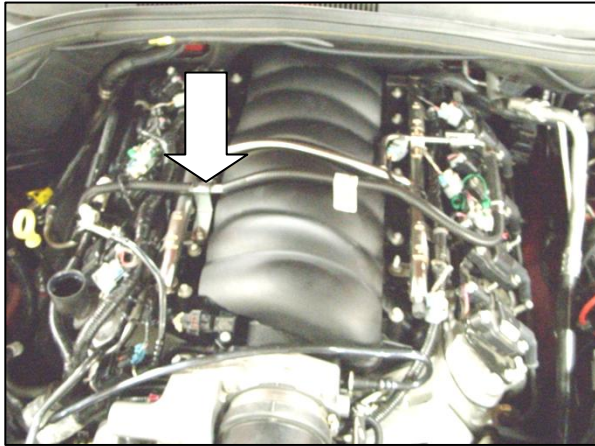
8. Route the injector harness between the injectors and the cylinder heads.  
Note: it may be necessary to rotate the injector to route the harness.



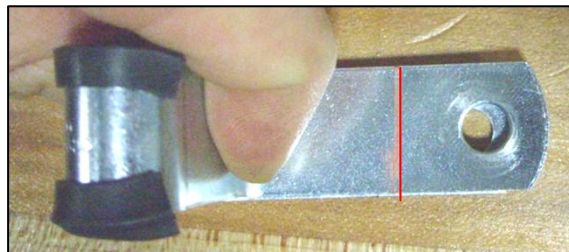


**Naturally Aspirated Camaro Only: Fuel Line Bracket Modification (Other applications proceed to step 14)**

9. Remove the 10 mm nut retaining the fuel line bracket. Note the fuel line bracket orientation and then remove the fuel line bracket from the fuel line.



10. Measure 25mm (1 inch) inward from the edge of the bracket and mark the bracket with a line.



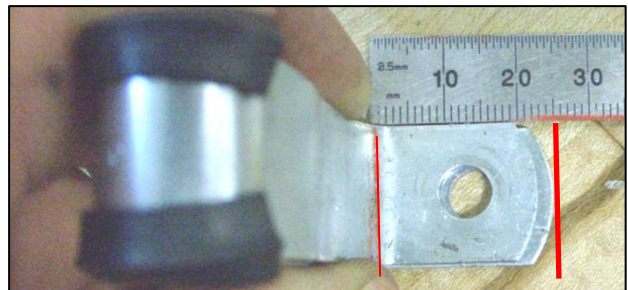




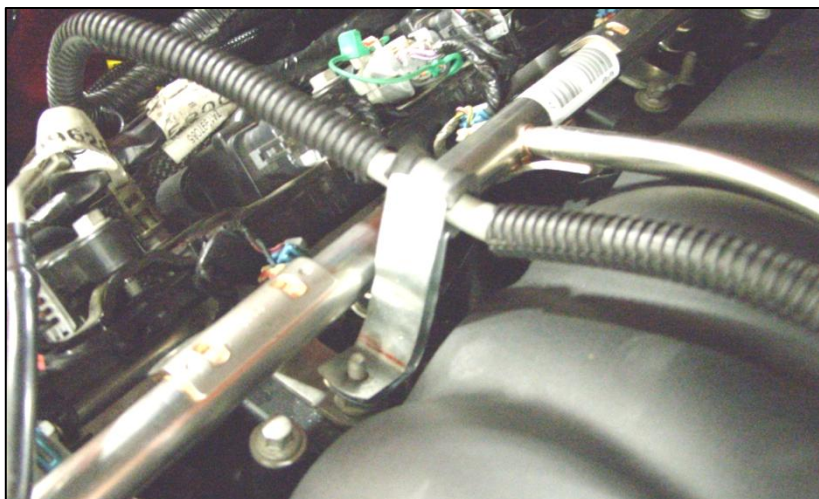
11. Using a suitable vice or pliers, straighten the bracket.



12. Re-bend the bracket at the location that was marked in step 9.



13. Re-install the bracket onto the fuel line. Do not install the nut at this time.

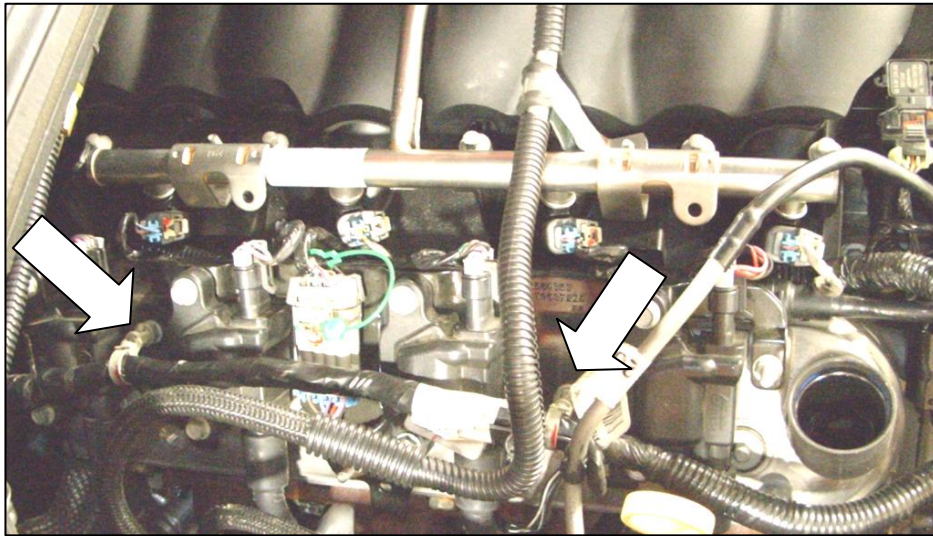




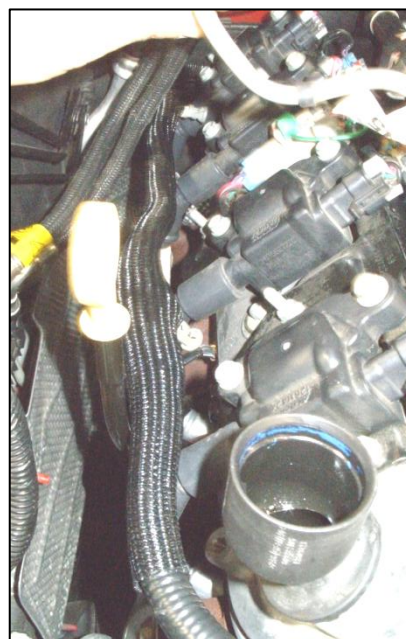
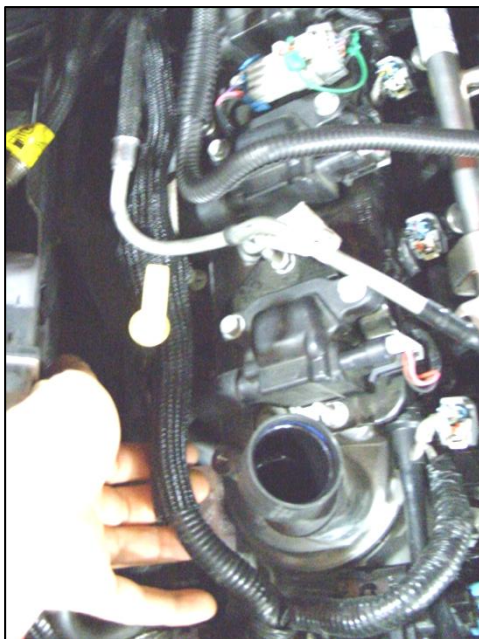
If installing the SLP coil covers on a GMT900 vehicle (Truck Application), refer to Appendix A for coil cover modification.

### Passenger Side

14. Remove the two (2) wiring harness locators from their respective studs. Unclip the wiring harness from fuel line and VMV line.



15. Install the protective wiring anti-abrasion wrap (Part Number 20418), included in the hardware kit (Part Number COILKIT-HWKA), onto the wiring harness noted in the previous step.

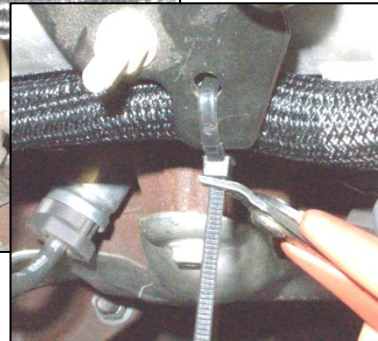
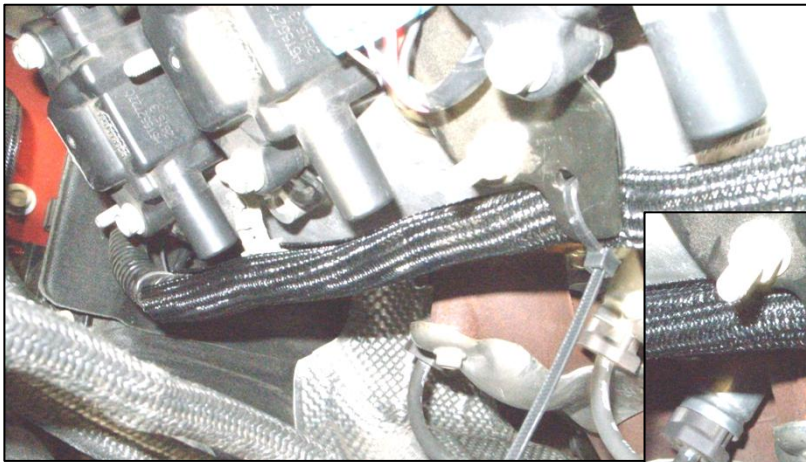




16. Remove the four (4) coil plug wires from the four (4) ignition coils by grasping the coil wire boot and pulling firmly.

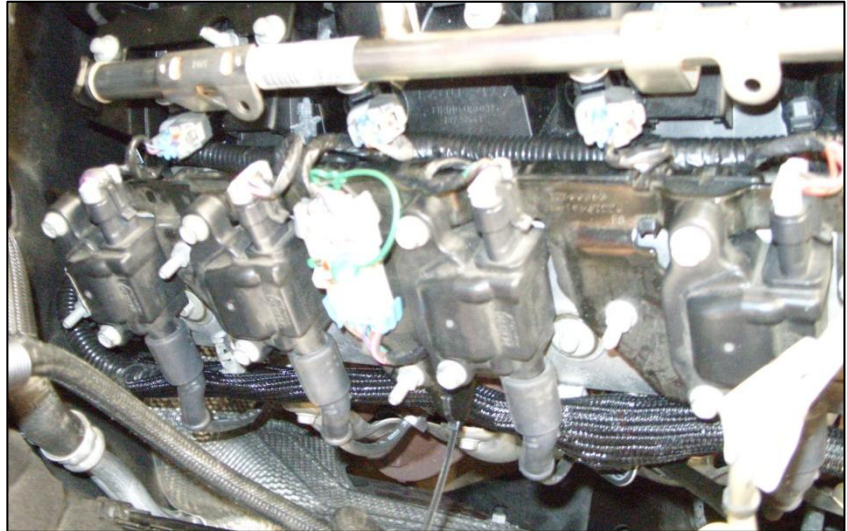


17. Re-route the wiring harness noted in steps 13 & 14 so it is just below the coil bracket and zip tie it in place as shown in the image below. Cut the tail of the zip tie so it is flush with its retainer.

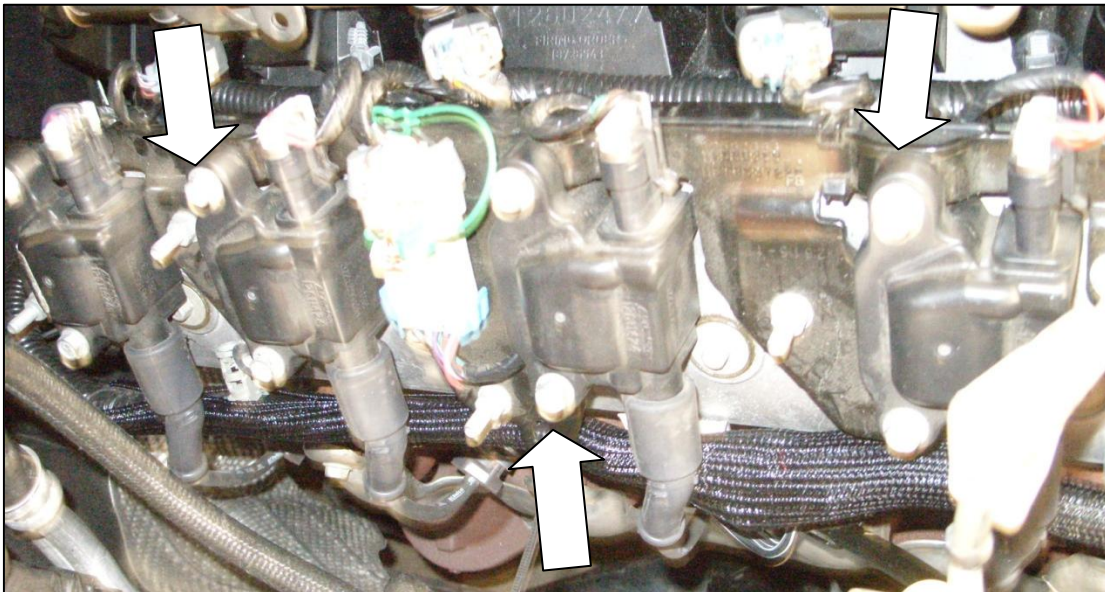




18. Re-install the four (4) coil plug wires removed in step 16. The wiring harness routed in the previous step will be just below the coil boots.

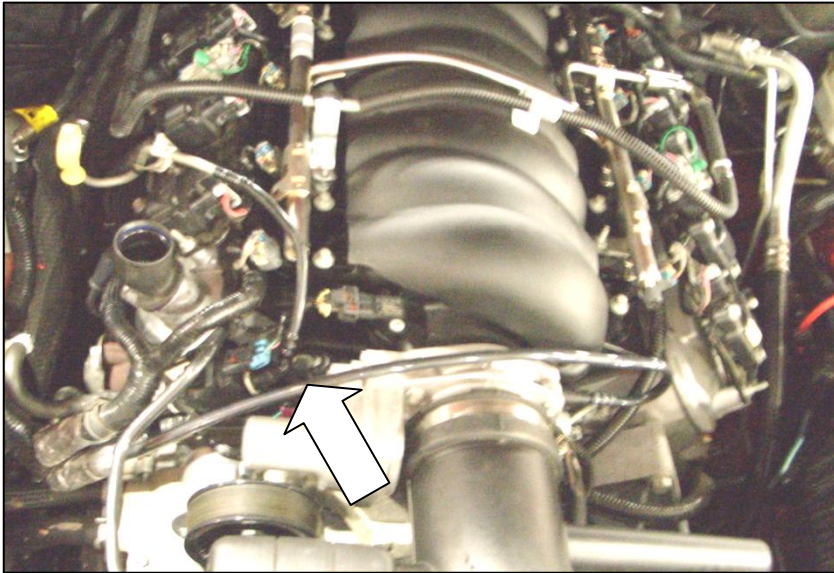


19. Remove and discard the three (3) bolts retaining the ignition coils in the location noted in the image below.

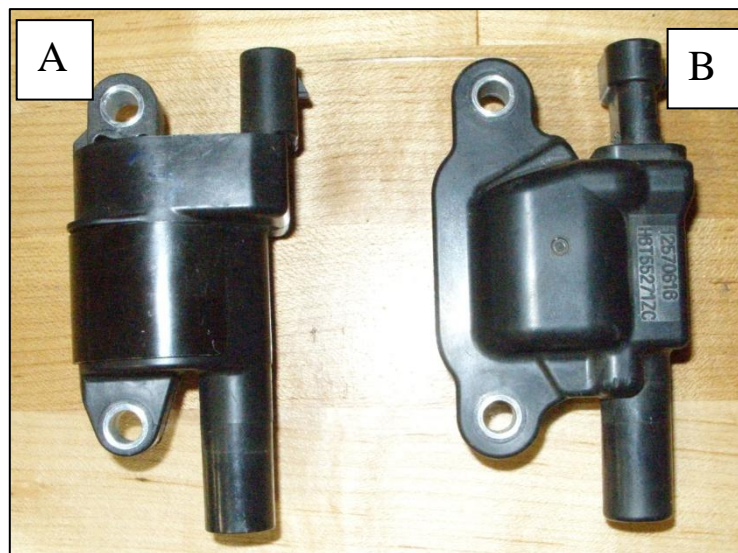




20. Disconnect the VMV line from the VMV solenoid and position it so the coil cover may be installed. The VMV line will be routed over the SLP coil cover. **Note: For SLP supercharged applications, the VMV line does not need to be disconnected. The VMV line will be routed underneath the coil cover.**

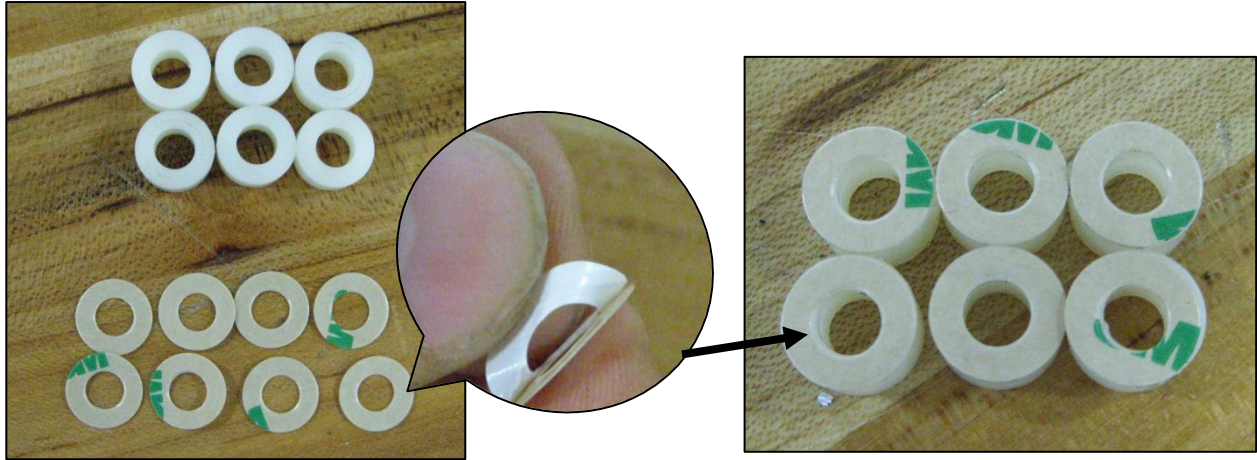


**Note: Determine which coil pack your vehicle is equipped with from the image below. If your vehicle is equipped with coil pack A, proceed with step 20. If your vehicle is equipped with coil pack B proceed to step 23.**

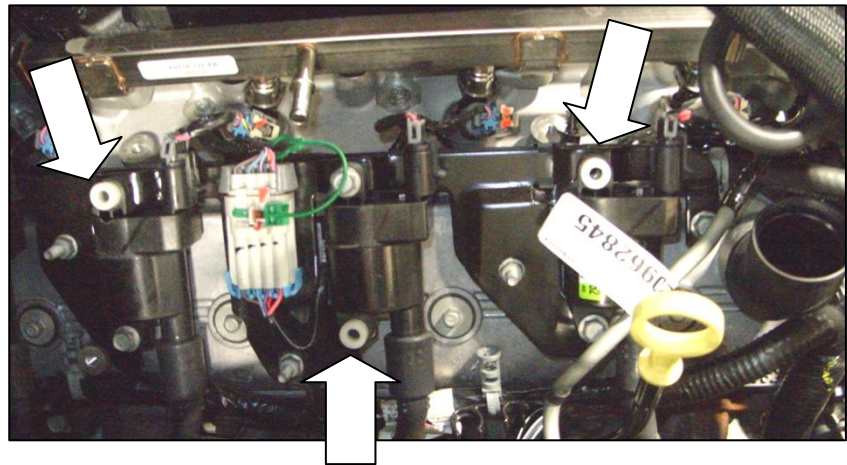




21. Using six (6) adhesive discs (Part Number 9755) and six (6) spacers (Part Number F145813) supplied in the hardware kit (Part Number COILKIT-HWKA), install one (1) adhesive disc onto each one (1) of the supplied spacers. An additional two (2) spare adhesive discs are included.

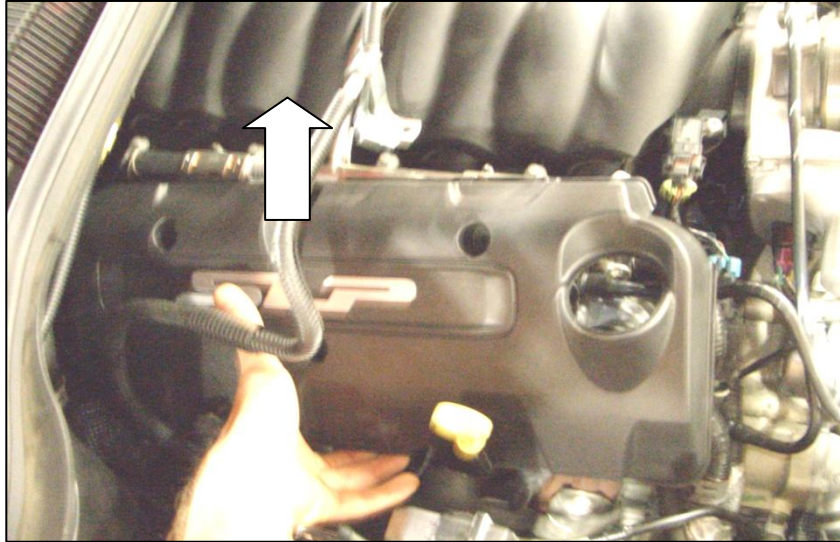


22. Peel the remaining film from the adhesive mounted on three (3) of the six (6) spacers and install the three (3) spacers (adhesive side down) over the three (3) ignition coil fastener holes, where the three (3) fasteners were removed in step 18.

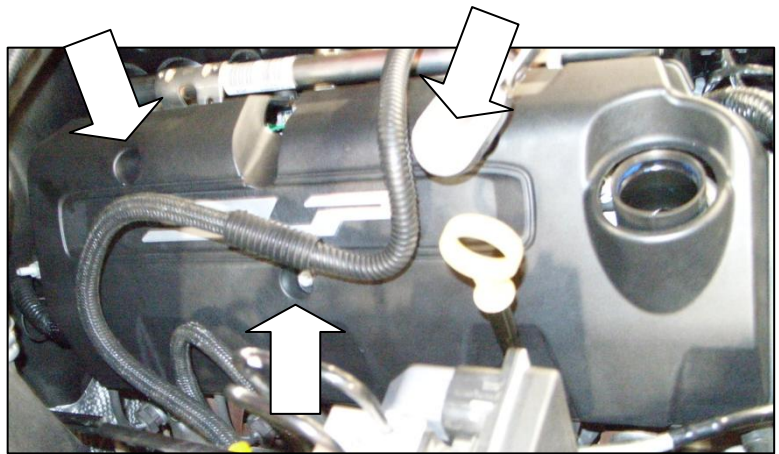




23. Holding the fuel line up and out of the way, position the passenger side coil cover (HH-6P068-AA) in place.

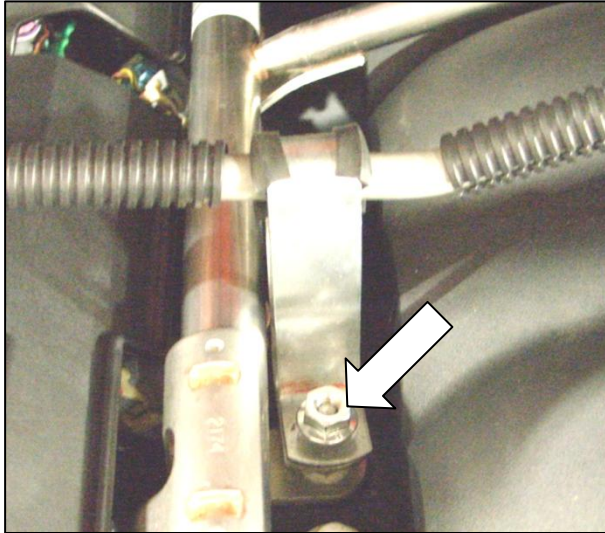


24. Install the three (3) bolts (PN F161814 for coil style A, PN F161813 for coil style B) included in the hardware kit (PN COILKIT-HWKA-AA). Torque to 10 Nm (89 in/lbs) **Note: The correct fastener MUST be used for the appropriate coil style to prevent damage to the factory wiring harness.**

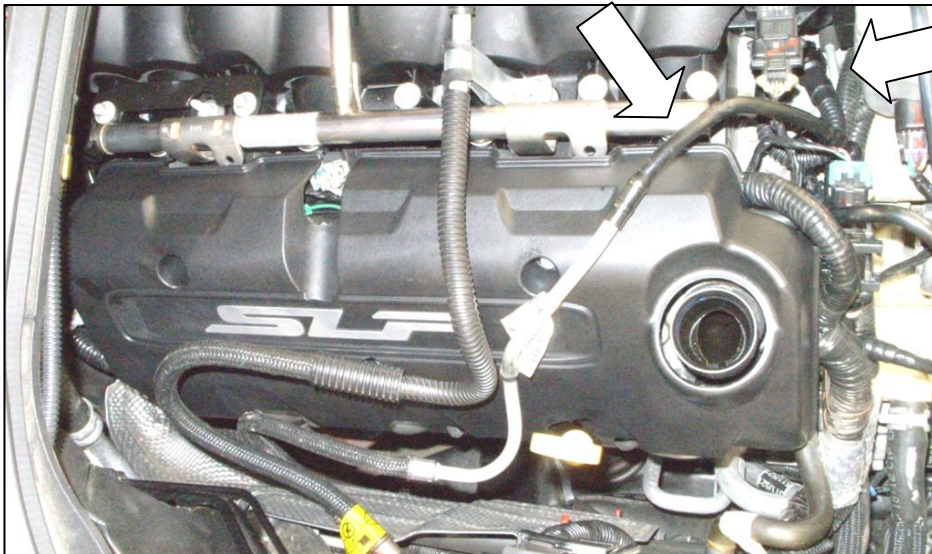




25. Reposition the fuel line bracket onto the stud and install the 10 mm nut. Tighten the nut and torque to 10 Nm (89 in/lbs).



26. Position the VMV line over the newly installed coil cover and connect it to the VMV solenoid. Note: For SLP supercharged applications, the VMV line will be routed underneath the coil cover since the valve was relocated during supercharger installation.







27. Reinstall the oil filler cap

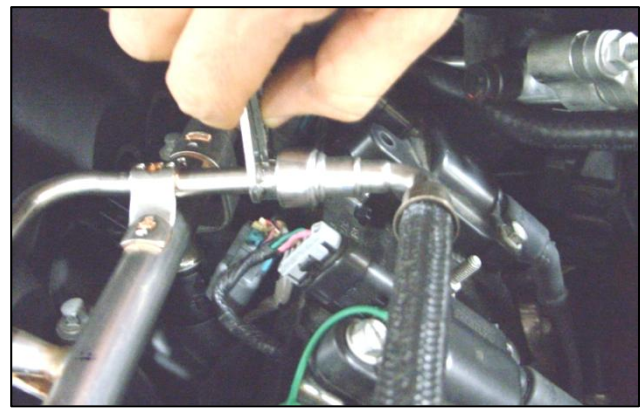
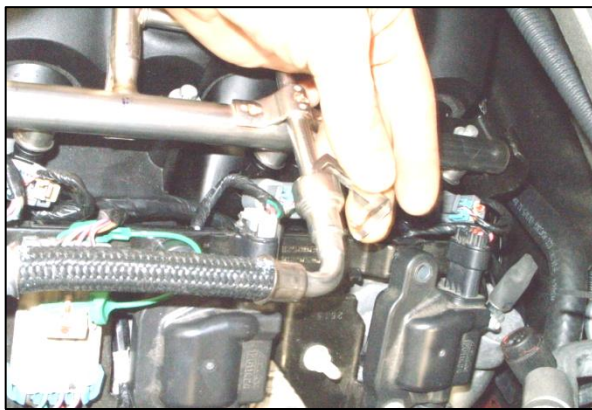




## Driver Side

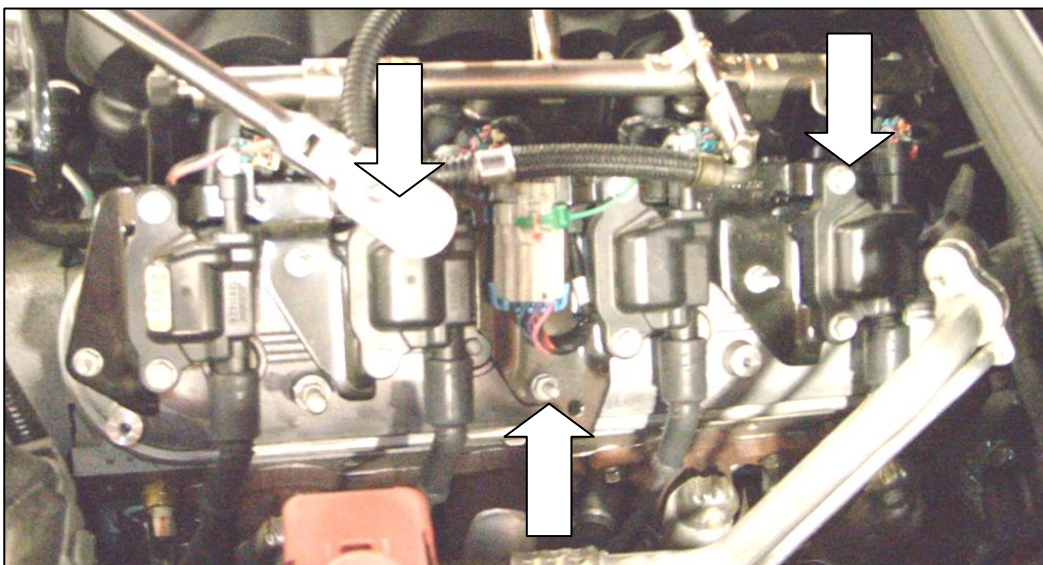
**WARNING: THE FUEL RAIL CONTAINS FUEL UNDER HIGH PRESSURE. IF YOU HAVE NOT DONE SO ALREADY, PERFORM STEPS 1-3 TO RELIEVE THE SYSTEM OF PRESSURE.**

28. Remove the fuel line clip. To prevent injury from any remaining fuel pressure overspray, place a shop towel around the fuel line while disconnecting it. Remove the fuel line with the appropriate fuel line quick disconnect tool.



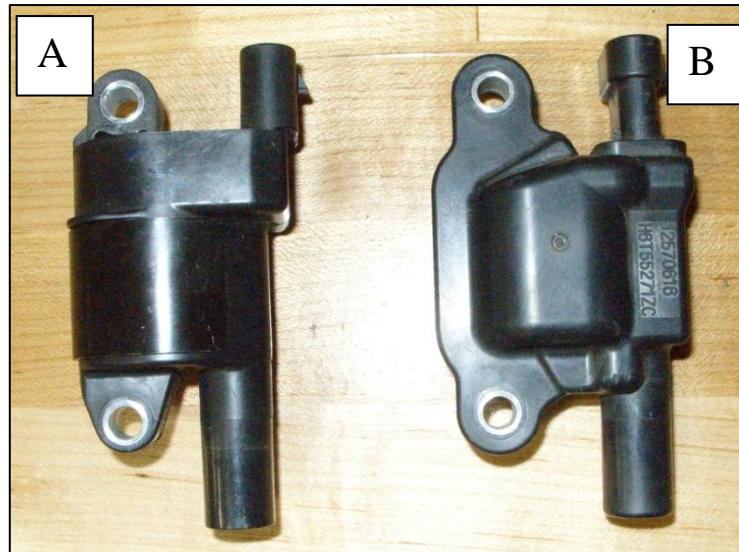
**NOTE: BE SURE THE FUEL RAIL IS FREE FROM DRIPS TO PREVENT FUEL FROM CONTACTING THE SILVER SLP PAINT. THE SILVER SLP PAINT IS NOT SOLVENT RESISTANT.**

29. Remove and discard the three (3) coil bolts identified in the image below.

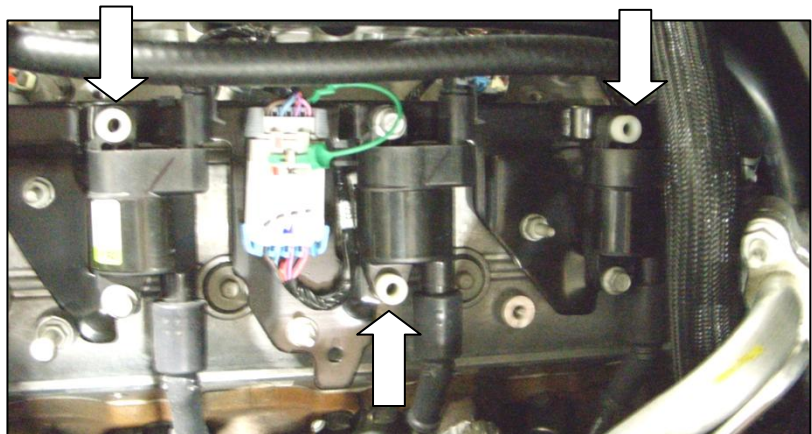




**Note:** If your vehicle is equipped with coil pack A, proceed with step 30. If your vehicle is equipped with coil pack B proceed to step 31.



30. Peel the remaining film from the adhesive mounted on three (3) of the six (6) spacers and install the three (3) spacers (adhesive side down) over the three (3) ignition coil fastener holes, where the three (3) fasteners were removed in step 29.





31. Position the fuel line so the coil cover can be installed without interference. Position the coil cover over the ignition coils while avoiding contact with the Air Conditioning service port.



32. Install the three (3) bolts (PN F161814 for coil style A, PN F161813 for coil style B) included in the hardware kit (PN COILKIT-HWKA-AA) into the locations identified in the image below. Torque the three (3) bolts to 10 Nm (89 in/lbs).





33. Reconnect the fuel line to the fuel rail crossover tube and reinstall the fuel line clip.





## **Appendix A: Truck Application**

### **Driver Side**

1. Position the driver side coil cover (HH-6P067-AA) so the backside is visible. Locate the lines on the backside of the coil cover which will be used as a guide for modification.





2. Using an air saw or another suitable cutting device cut along the line shown below.



Discard





## **Passenger Side**

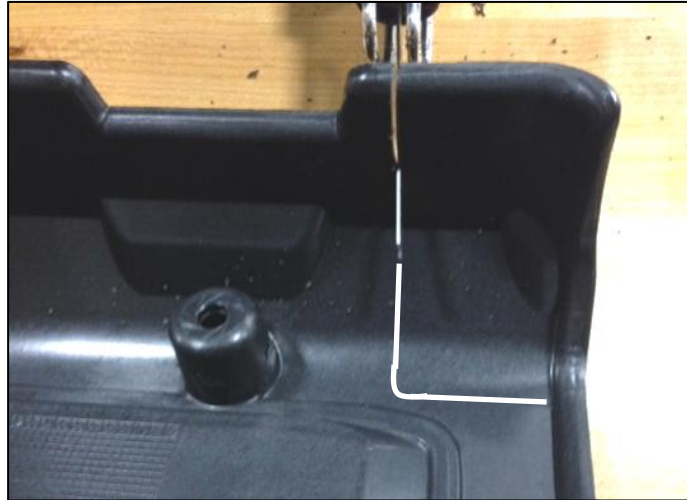
1. Position the passenger side coil cover (HH-6P068-AA) so the backside is visible. Locate the lines on the backside of the coil cover which will be used as a guide for modification.







- Using an air saw or another suitable cutting device cut along the line shown below.

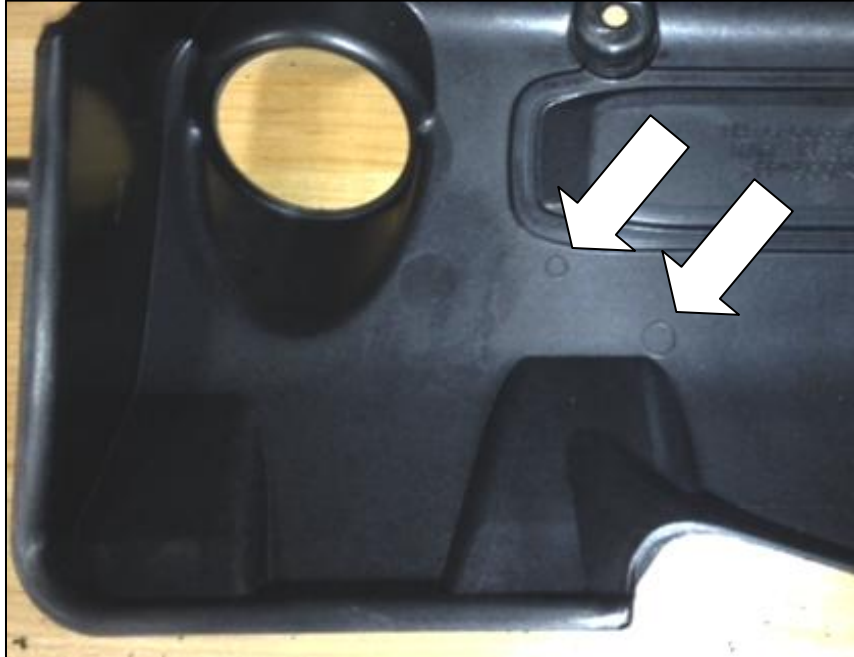


Discard

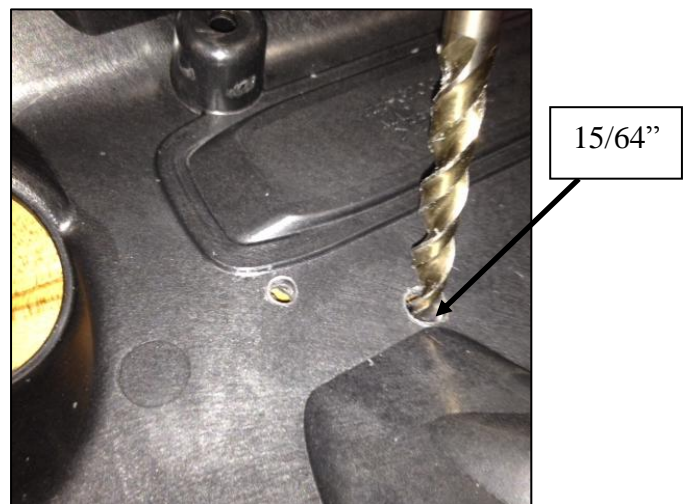
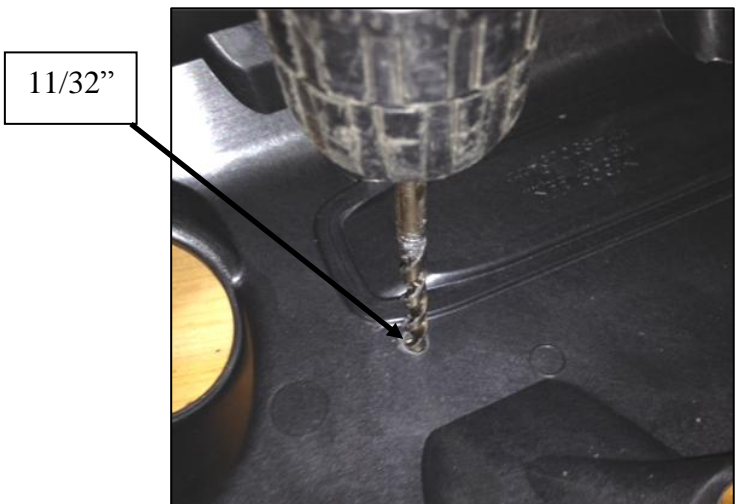




3. Locate the (2) circular guides on the backside of the driver side coil cover.



4. Drill the smaller hole with an 11/32" drill bit. Drill the larger size with a 15/64" drill bit.





5. Remove the hose retainer from the passenger side of the vehicle and install it on the passenger side coil cover, using the holes drilled in the previous step. Once the coil cover is installed, mount the hoses into their respective clips.



6. Refer to step 14 in the installation section to proceed with installation.



**Congratulations, you have successfully completed the installation of your SLP Coil Covers!**