

HYBRID DEVELOPMENT INTERNATIONAL  
RACING INTERCOOLER KIT  
INSTALLATION MANUAL



## **Please read before continuing**

Please read through all the instruction and practice all precaution in all aspect of safety and every step prior and during the installation. This installation manual is purely for **HYBRID DEVELOPMENT INTERNATIONAL RACING INTERCOOLER KIT** and is used as guide only. As different vehicles in different countries may have different specifications and component layout. Therefore, it is important to make sure the connection is properly done by authorized technician or HDi Technical Dealers.

### **Warning**

- Check and clean all open area for foreign object inside.
- Installation should only be carried out by authorized dealer or agent only.
- Avoiding water, liquid or fluid during and post installation.
- Do not install the unit in a place that will interface the driver.
- This product is for off road use only not for public road.
- Never adjust the fitment when the car is moving or on public road ,doing so is dangerous to yourselves and others
- Make sure there is adequate ventilation if you are installing or setting it indoors.

### **LIMITED WARRANTY**

Hybrid Development International Pty Ltd will warranty for the period of 1 year from original purchase against all defects in workmanship and materials. Hybrid Development International Pty Ltd is not responsible for expenses incurred for labor, personal injury or inconvenience. Hybrid Development International Pty Ltd sole responsibility is to offer a replacement product or to repair the damaged product. Hybrid Development International Pty Ltd cannot warranty products damaged by improper installation. All other products sold by Hybrid Development International Pty Ltd are warranted by the original manufactures and is not the responsibility of Hybrid Development international Pty ltd.

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For more information please visit [www.hybrid-power.com](http://www.hybrid-power.com) or contact [tech@hybrid-power.com](mailto:tech@hybrid-power.com)

**This installation manual is a guide only. Pictures are for illustration purposes only as the vehicles and product may vary in different countries / regions. Before opening the content of the Intercooler Kit please read through the installation manual to confirm your vehicle is suitable for this Intercooler Kit.**

Using a heavy duty car jack lift the vehicle and place heavy duty car stands in the appropriate position as recommended in the Manufacturer's Owners Manual.



**Remove the air  
Diffuser from the  
bumper bar**



**Unscrew the  
screws from inner  
Guard**



unscrew one screw  
behind the wheel  
arch splash guard



unscrew the screw  
hold the Bumper bar  
grill from both sides



remove bumper bar clip



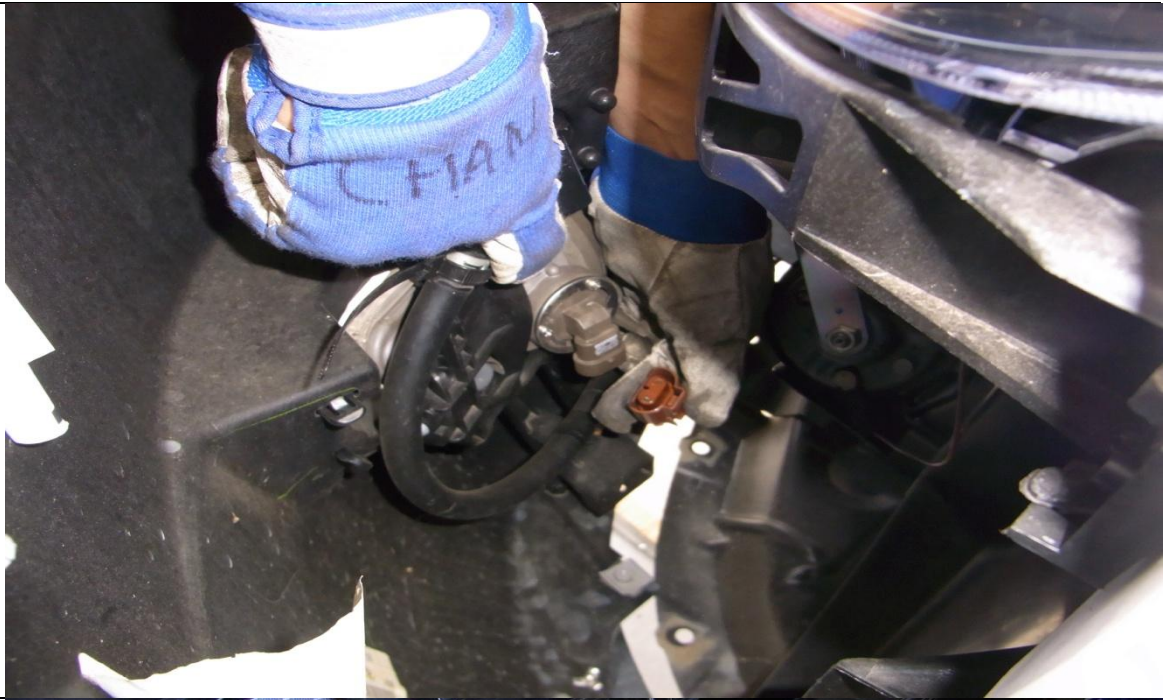
Unscrew the screws behind bar



remove bumper bar from both side



remove Plug behind  
the driving light



remove the Air  
temperature sensor



remove wind screen  
wash water pipe  
from the bumper bar



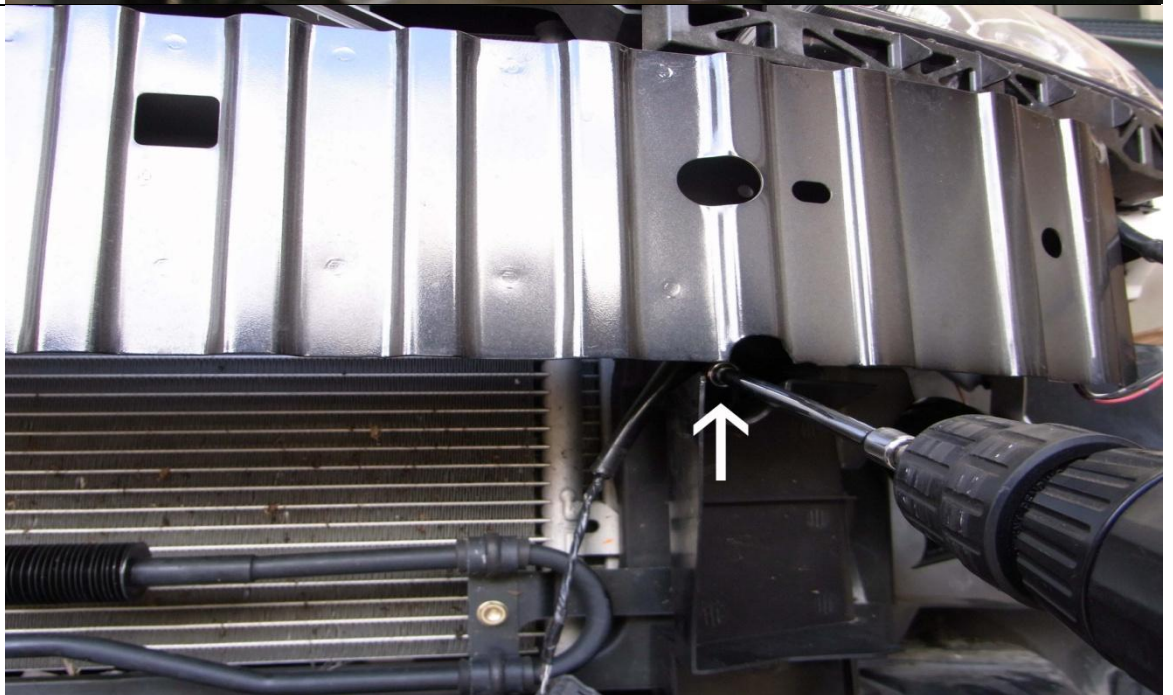
Cable tight the hose  
to prevent leakage  
Warning:  
**Do not lose wind  
screen wash  
connecting locking  
clip**

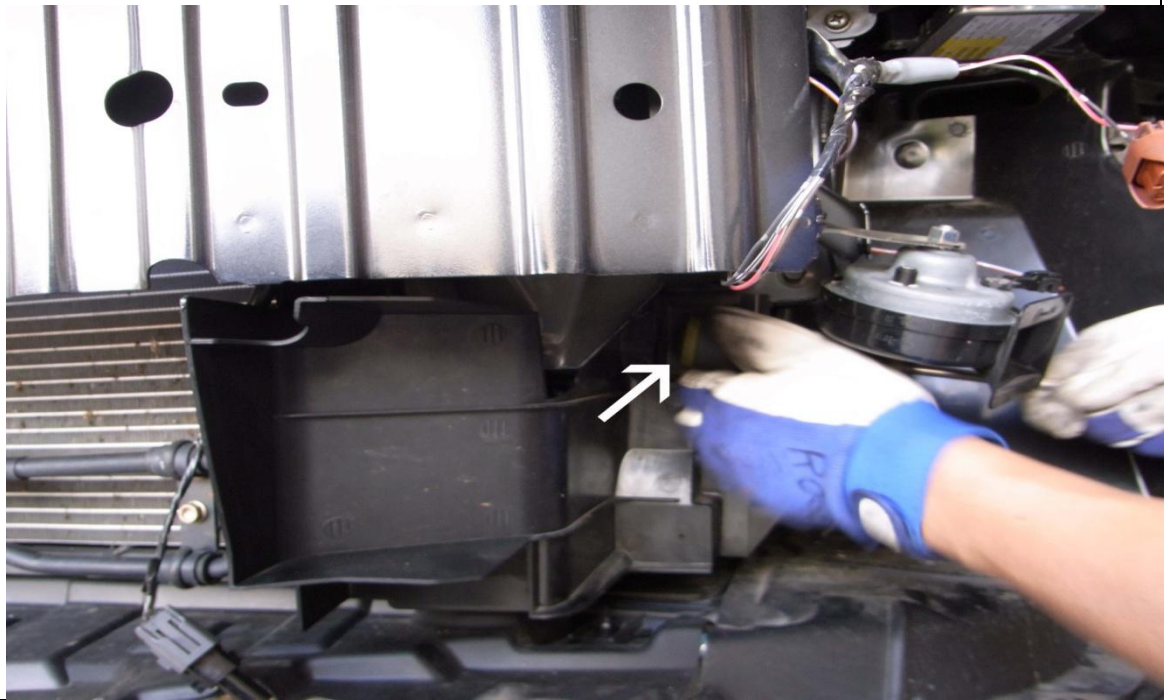
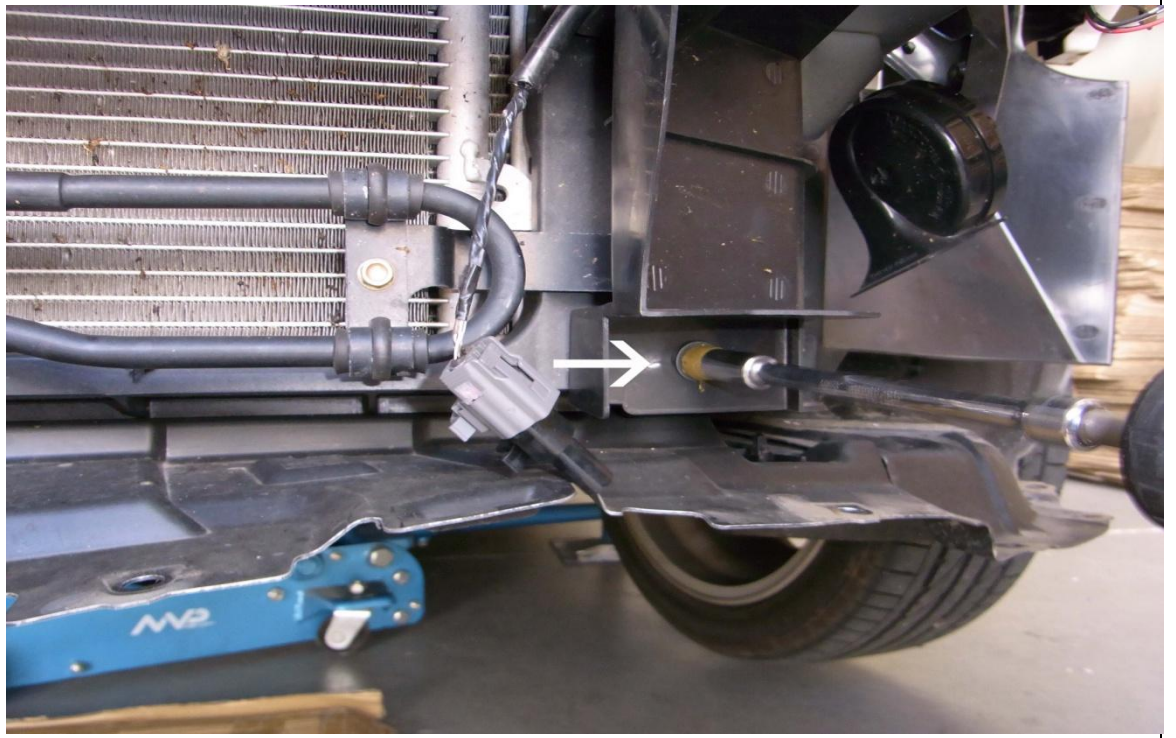


Reinstall the clip  
back to the  
connector

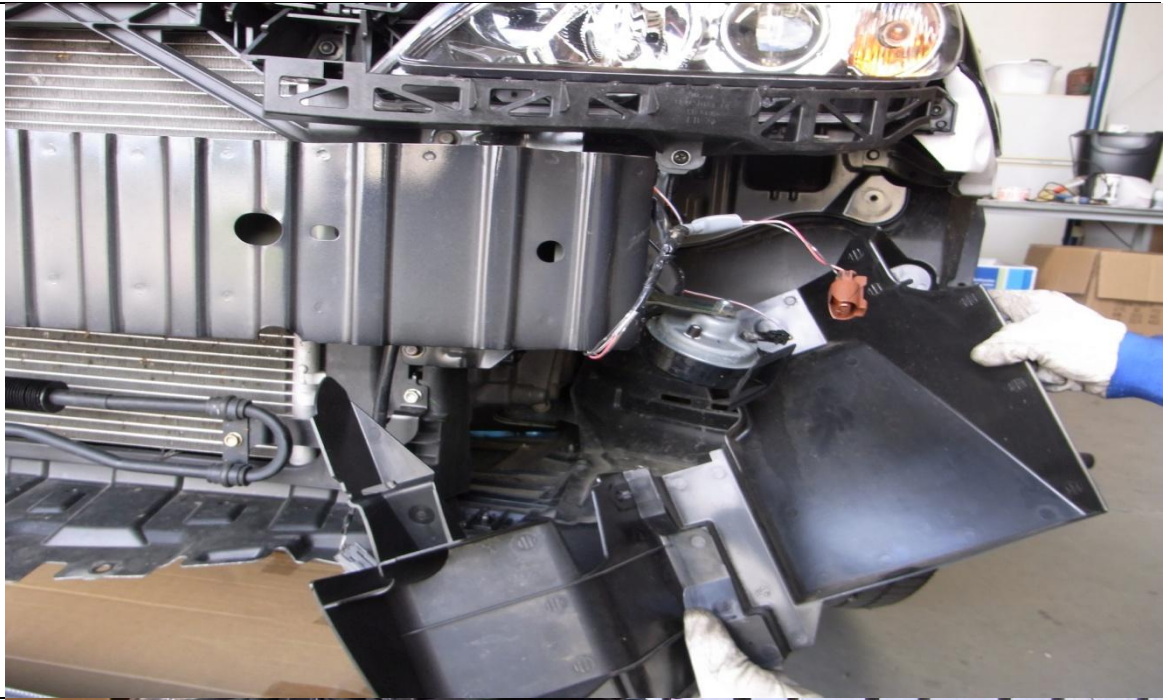


unbolt 3 bolts and  
unclip 2 clips from  
Air Diffuser from  
both driving side and  
passenger side

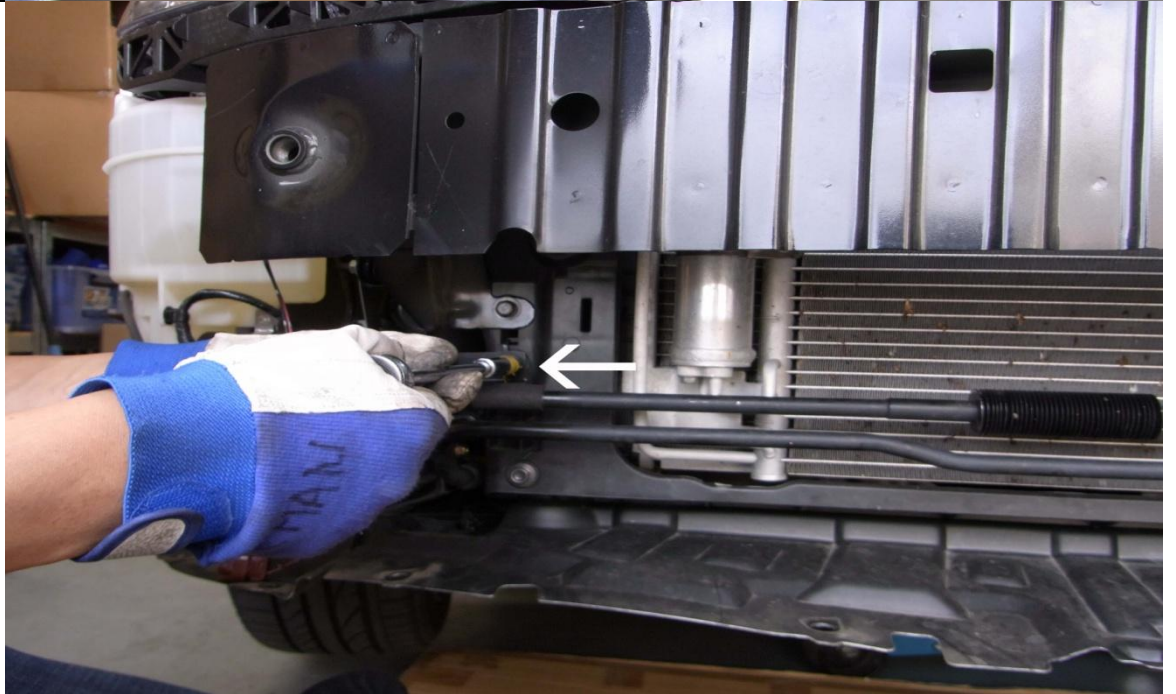


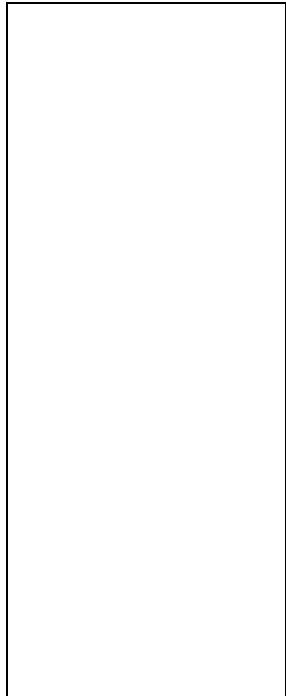


Remove air diffuser



unscrew power steering cooler bracket from both side



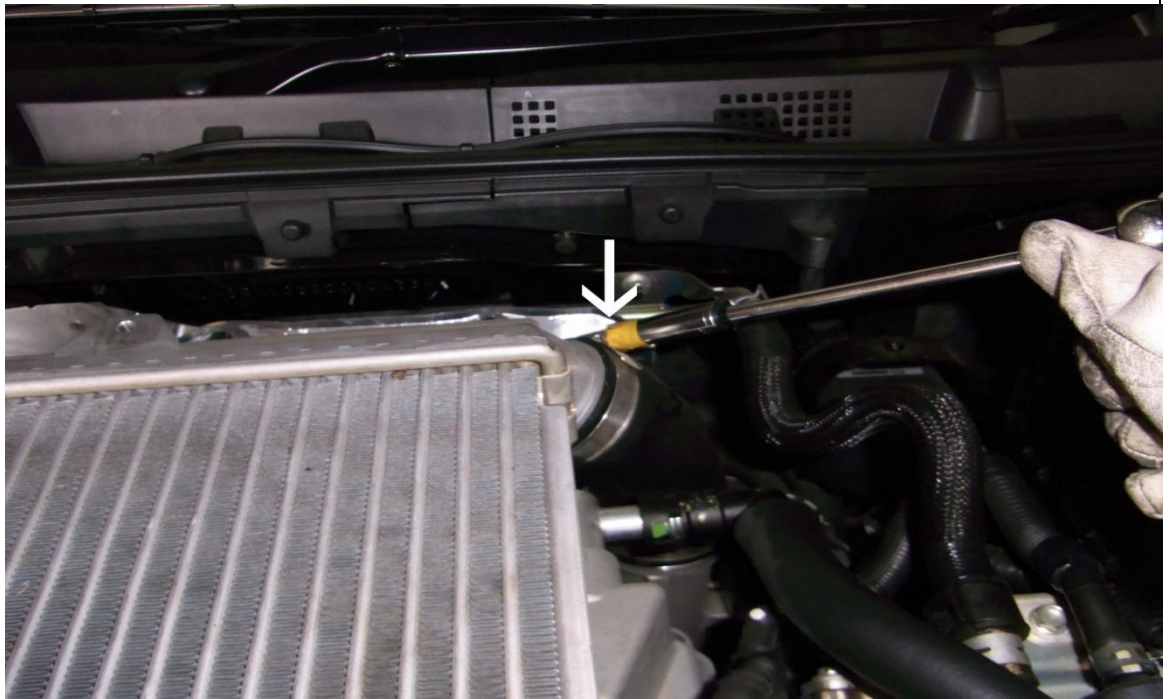


Remove standard intercooler cover copy



unscrew and remove standard intercooler











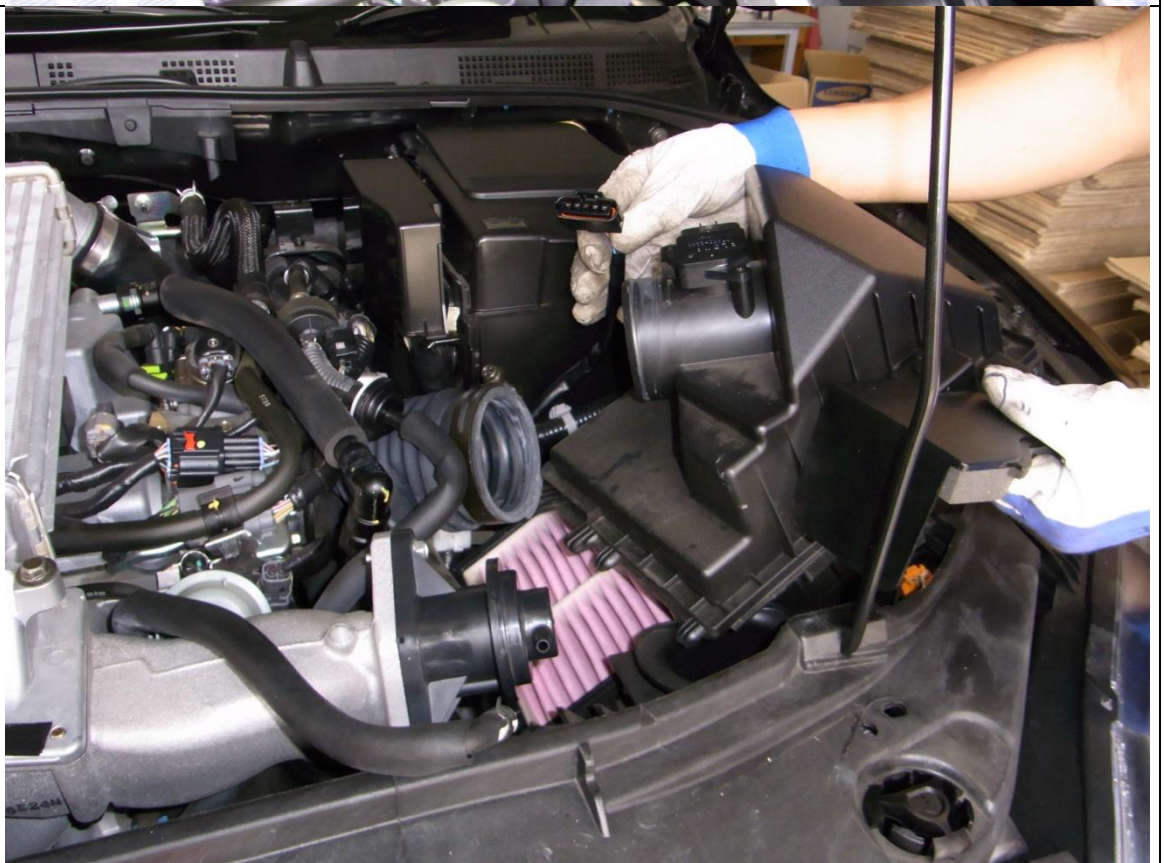
unplug Air flow  
meter Plug

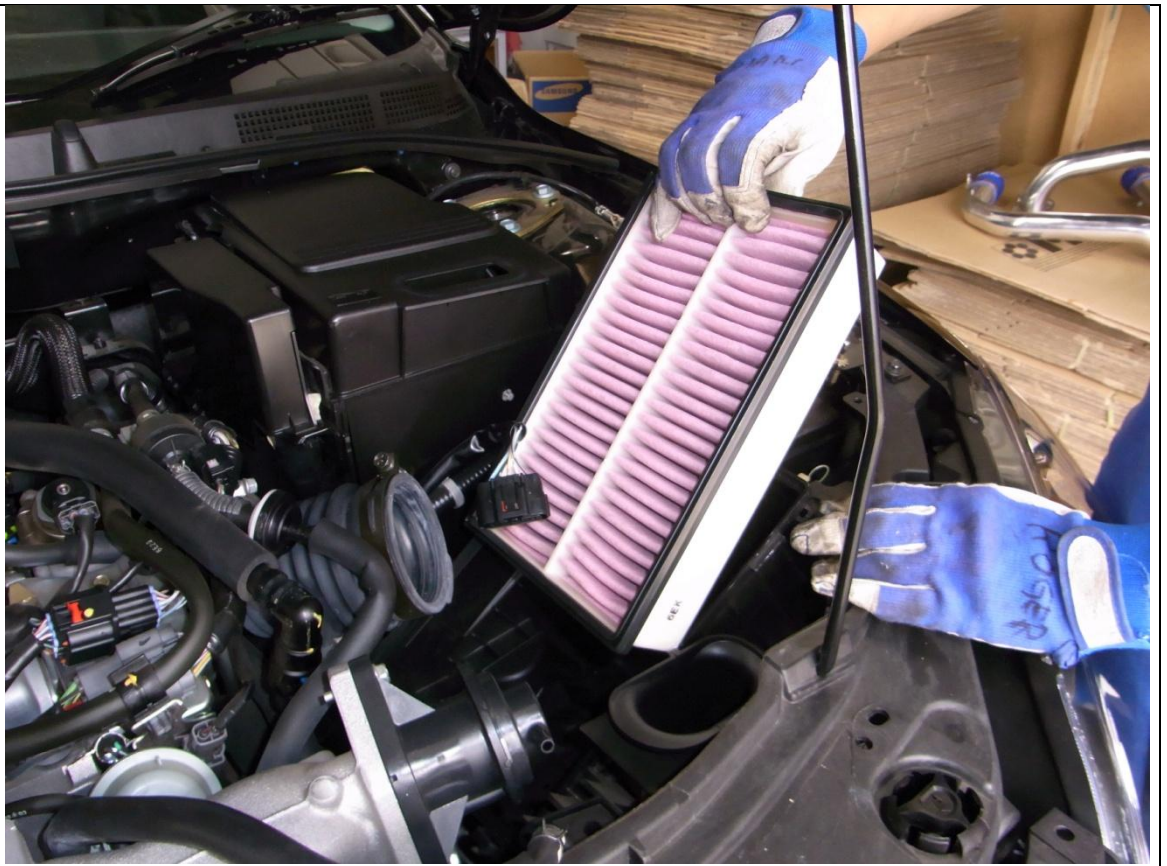


Unscrew Ari box



Remove Air box  
and Air filter







Gently push Air  
cond... Gas pipe for  
make some room for  
HDI intercooler pipe



Install supplied O  
Rings on the HDI  
pipe ALP-114.JPG  
and lubricate



Install HDi pipe to  
turbo outlet hose



Install supplied O  
Rings on HDi pipe  
ALP-132 and  
Connect to ALP-114  
copy





Connect ALP-132 to  
ALP-114



Place supplied 2.5  
Hdi outer clamp



Install 3 inch hose clamp on outlet side of intercooler copy



Install 2.5 to 3 silicone Hose on outlet side of intercooler



Connect ALP-131 to ALP 132 and Hdi intercooler outlet side hose and use 2.5inch hose clamp



Install 2.5inch HDi Outer Clamps to join ALP-132 and ALP-131



Place Supplier O  
rings on Hdi Pipe  
ALP-130 and  
Lubricate



connect ALP-130 to  
ALP-119

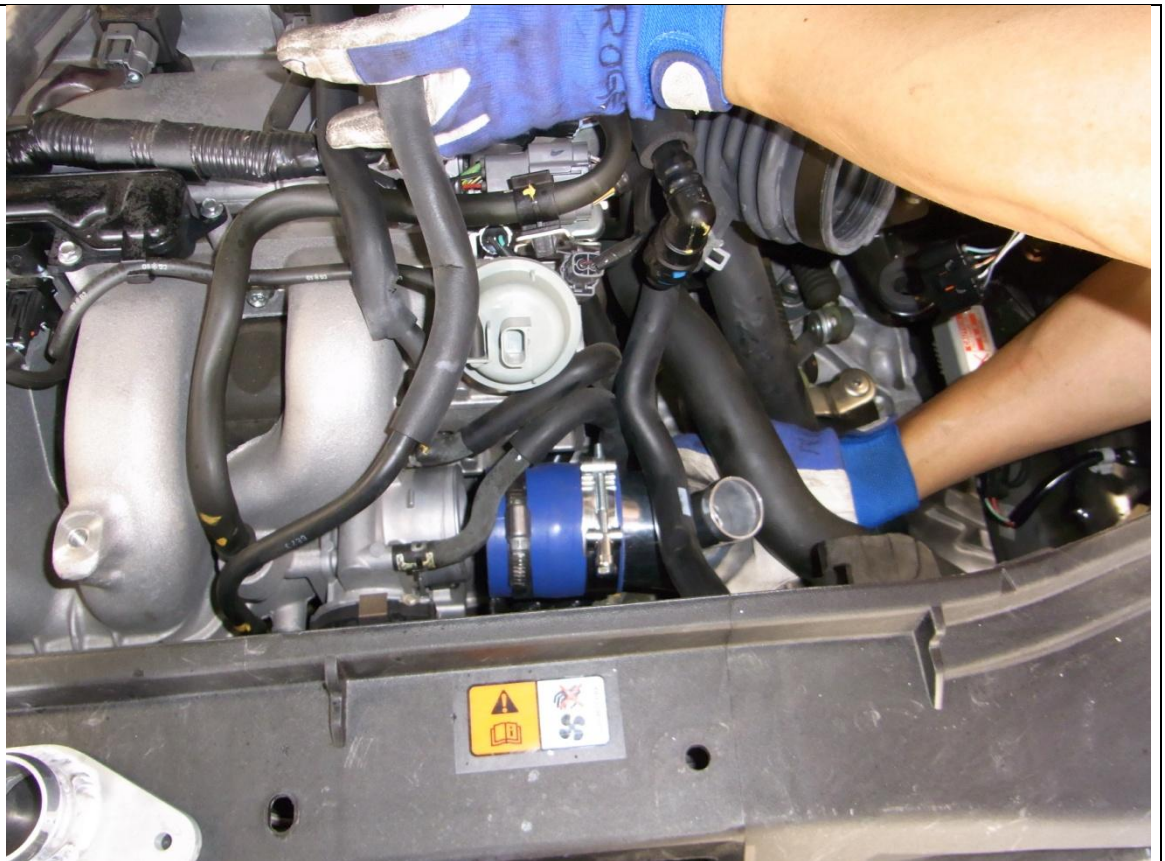




Install 2.75 inc  
silicone hose on  
APL-119



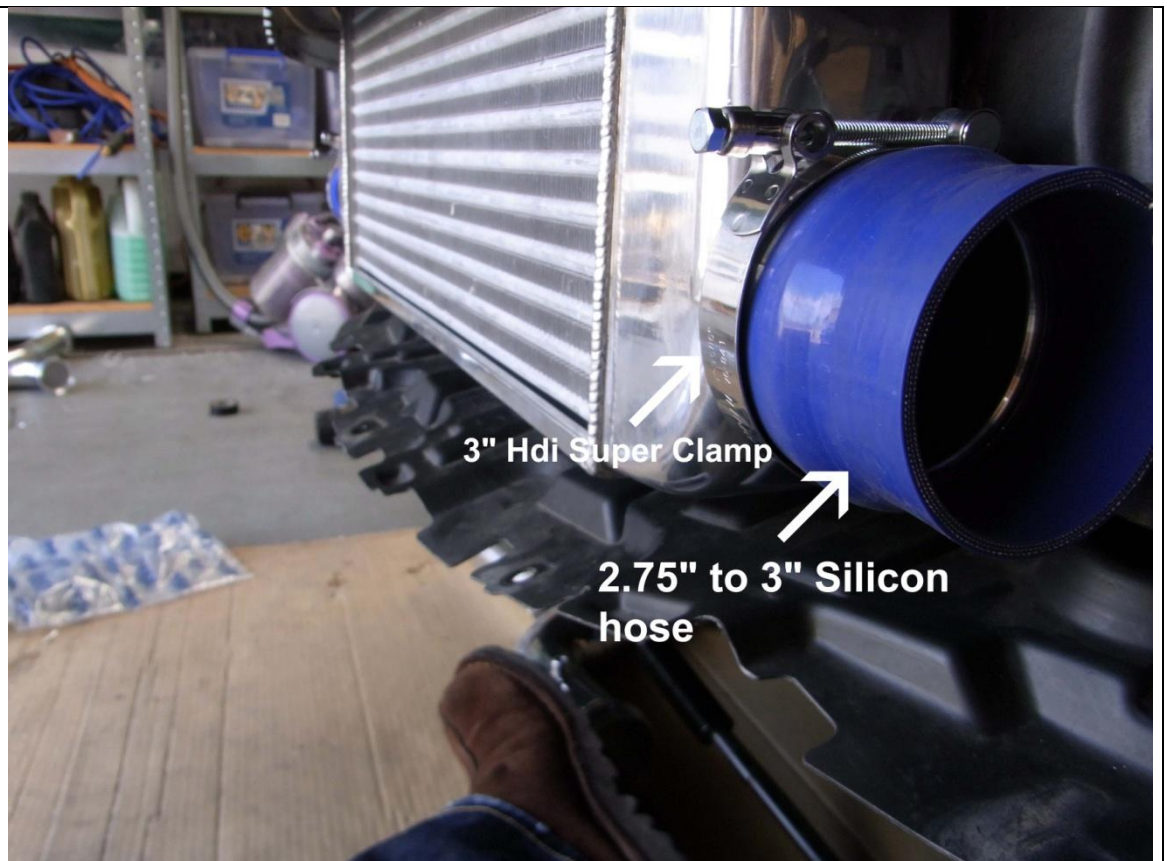




Tight the clamps



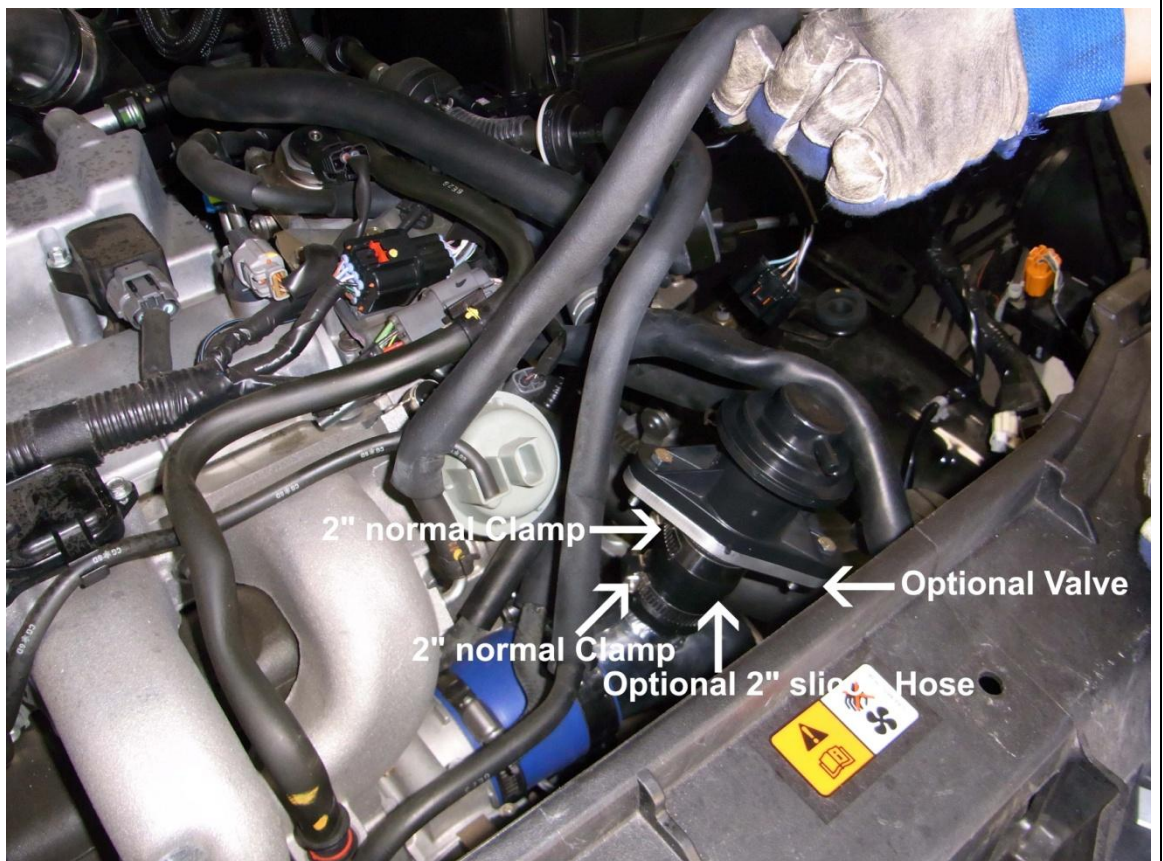
Install silicon Hose  
on inlet side of  
intercooler copy



Tight the HDi super  
Clamps



Optional blow off  
valve connector



To reinstallation of  
Air box please  
reverses the  
uninstallation  
process



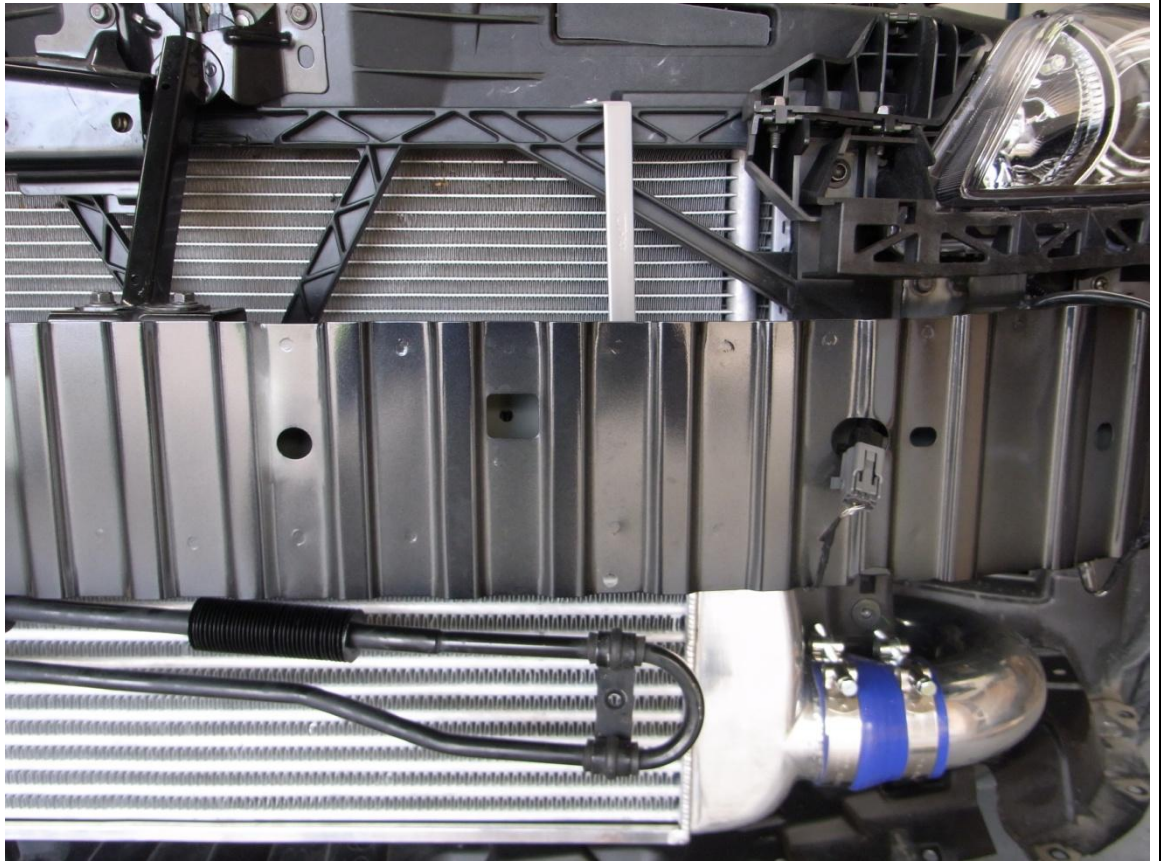
Uninstall std  
brackets from both  
side of power  
steering cooler



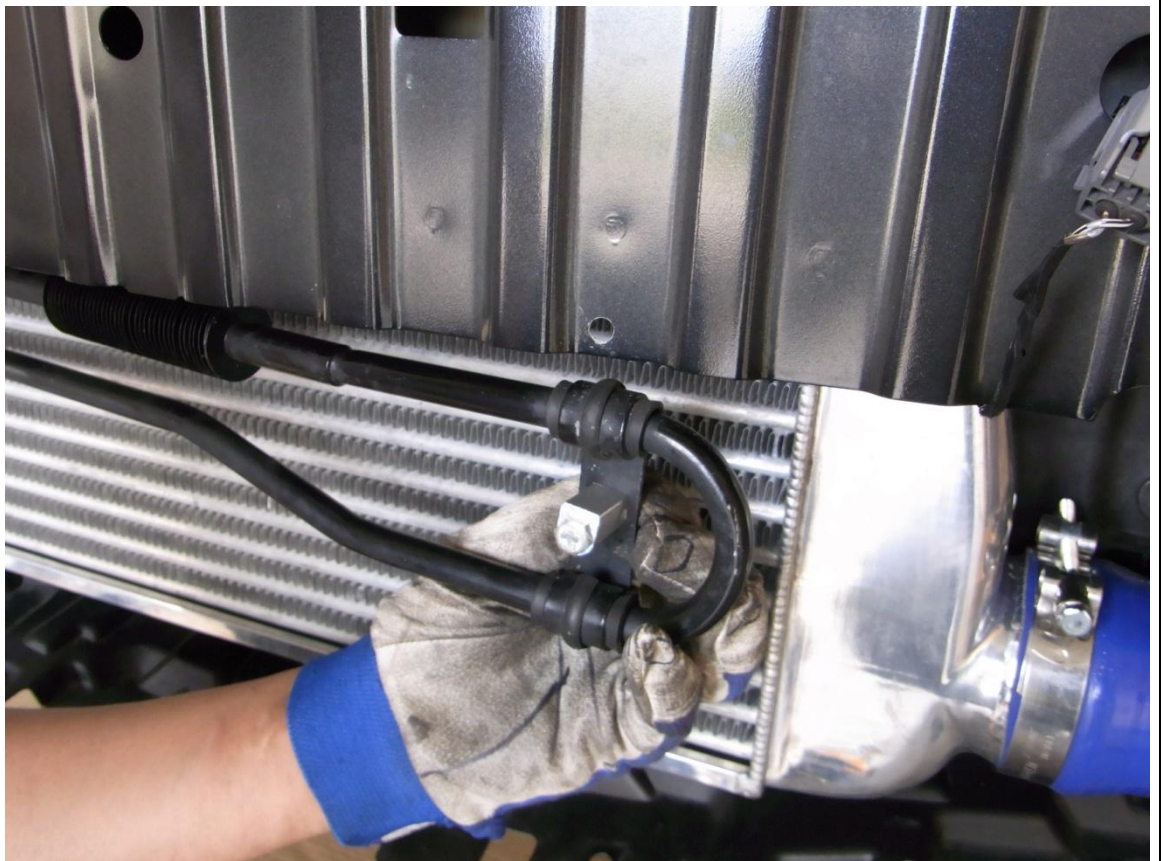
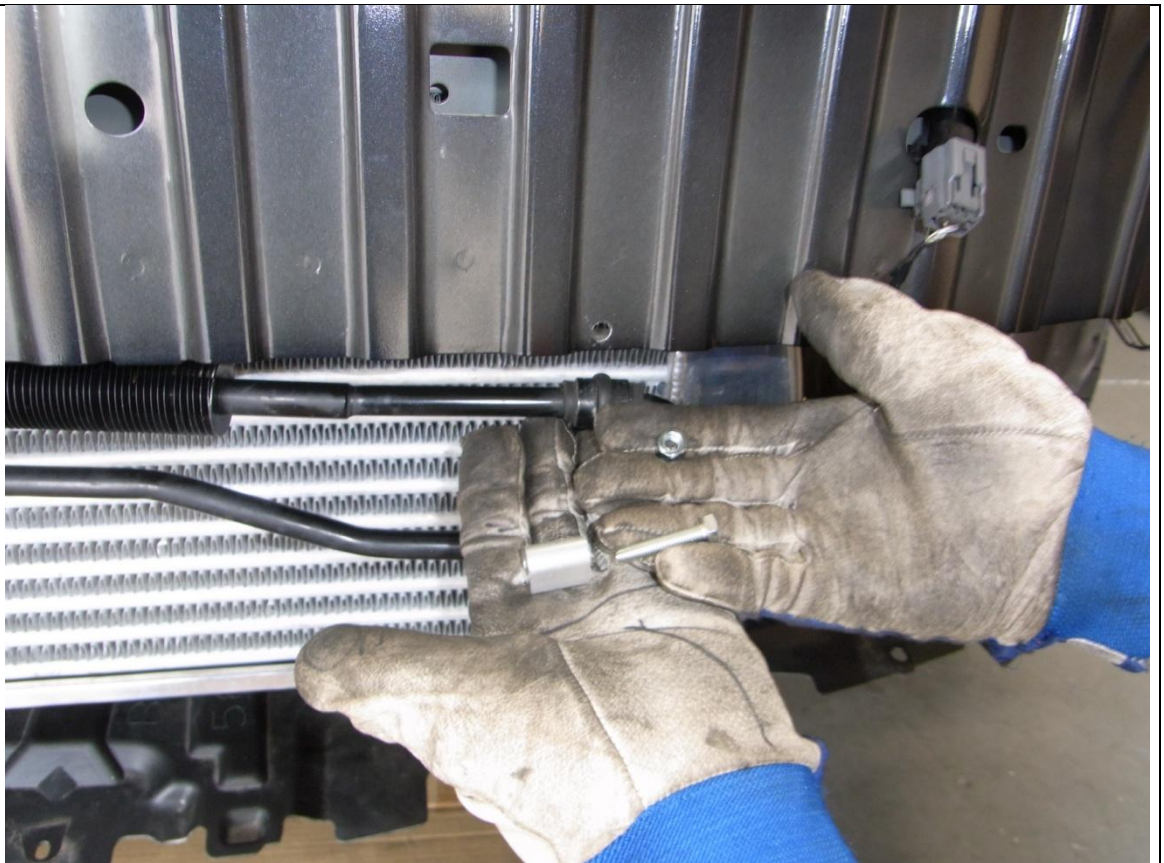


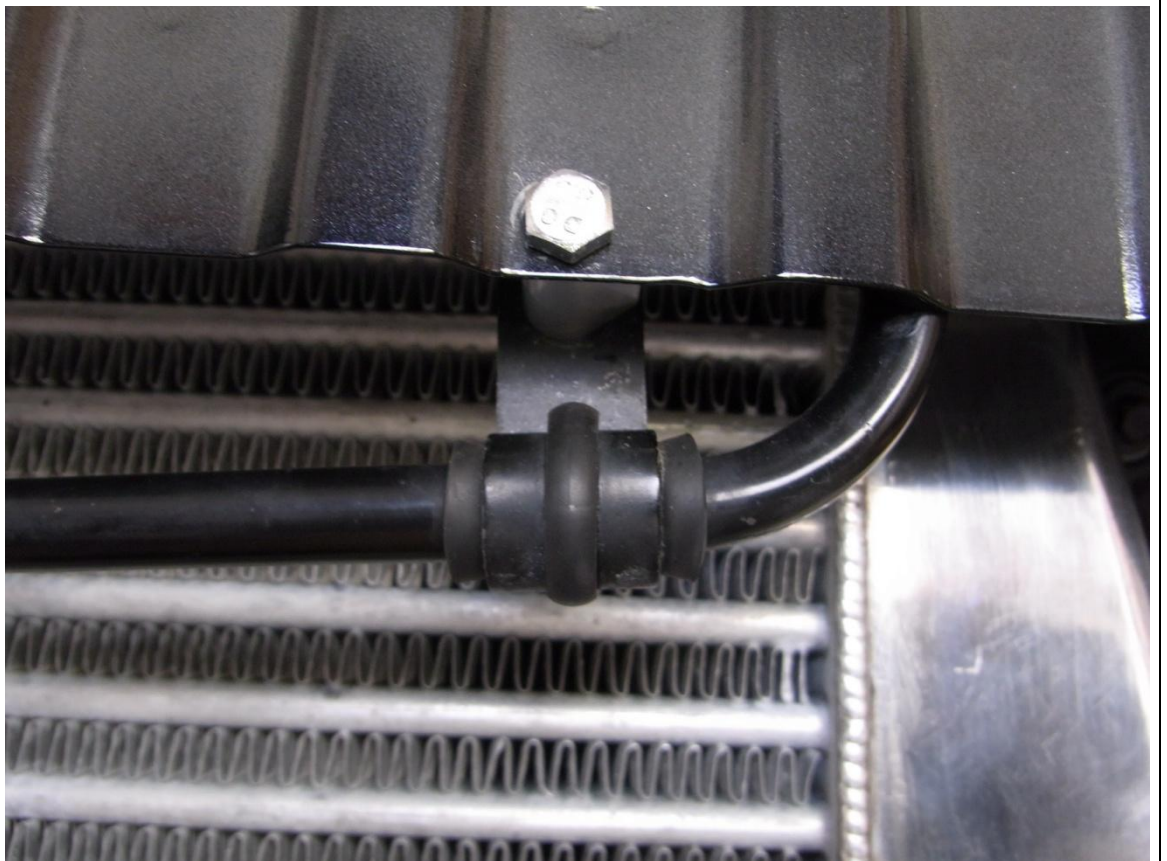
Make a new hole on  
Bar  
**Warning : Do not  
touch drill bit with  
HDi intercooler**





use spacer and screw  
to install power  
steering cooler





USE supplied cardboard to make HDi logo on intercooler



To Reinstall the  
Bumper Bar reverse  
all uninstall process

