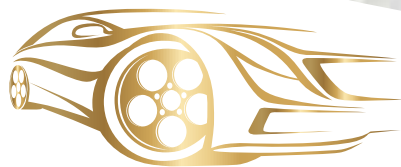


***CRD - INSTRUCTION MANUAL***



***TILLIX PERFORMANCE  
AND TUNING***

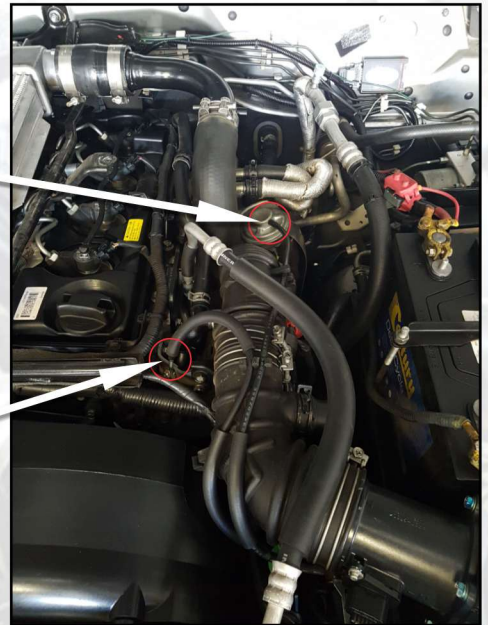
***Turbo Diesel Specialist***

# 1

## REMOVE HOSES

Remove these hoses.

Sometimes it is necessary to put a small cut in the hose for it to release more easily.

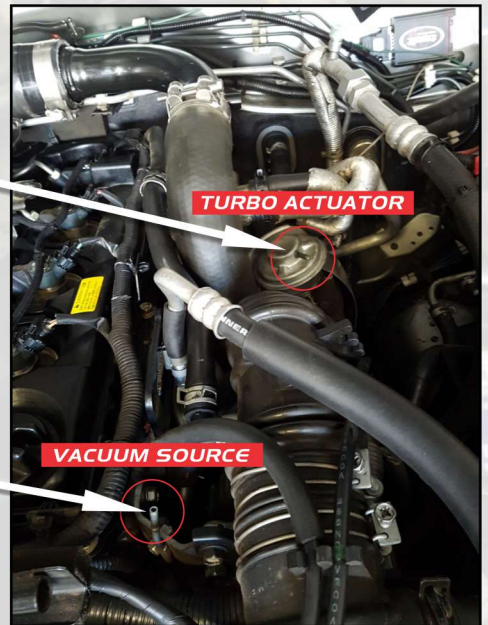


# 2

## HOSES REMOVED

After hoses are removed.

You can see the Turbo Acuator and the vacuum source.



# 3

## HOSE JOINER

Join the two removed hoses together with the supplied straight joiner and mount in the factory retainers on the intake pipe.

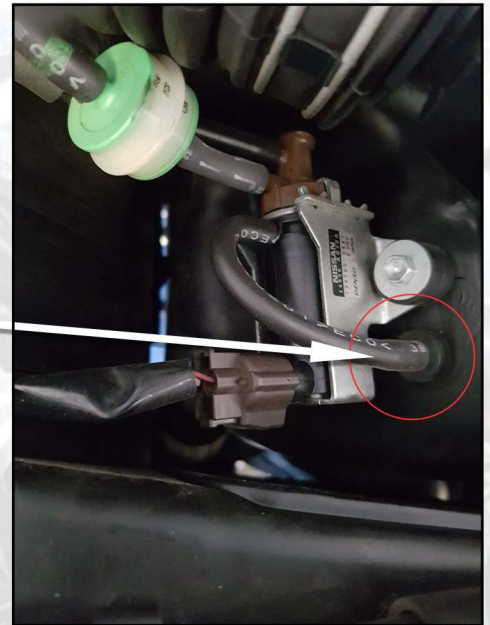


## 4

### VAC SOLENOID

Remove the vacuum hose from the air-box resonator spigot using a long screw driver, gently prying it off.

Alternatively, you can use a stanley knife to open the hose up, making it easier to remove.



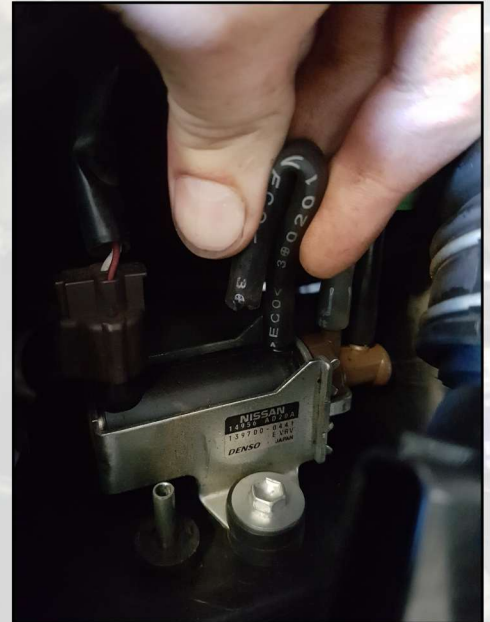
## 5

### VAC SOLENOID - 2

Fold the hose in half using a cable tie to ensure it remains in place.

Alternatively, use a small screw or bolt in the end of the hose.

Only to ensure no contaminants get into the solenoid while it is not in use.

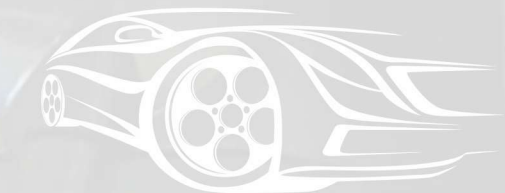


## 6

### BOOST PICK-UP

Weld on fitting location.

Most exhaust shops will perform this task for less than \$20 if you take the pipe and fitting into them.

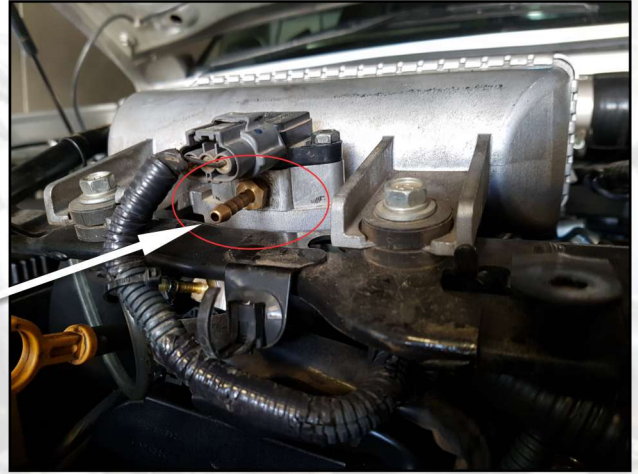


# 7

## BOOST PICK-UP - 2

Alternative pick-up point for the boost if the weld-on is not used.

**\*Note:** This is an optional extra, not included as part of a standard kit.

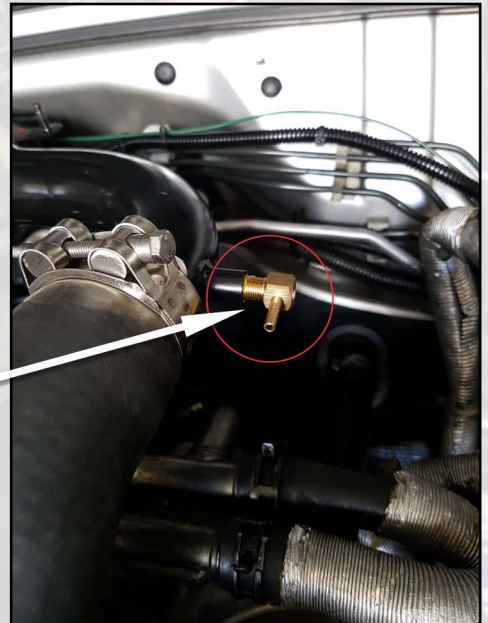


# 8

## THREAD FITTING

Apply thread sealant or thread tape.

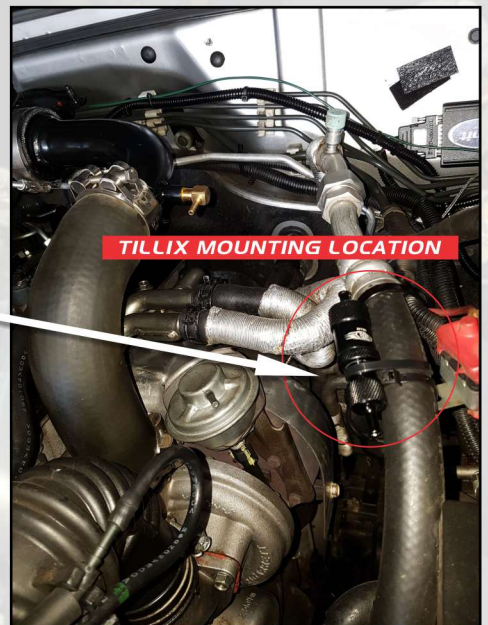
Tighten fitting ensuring it ends up facing toward the front of the vehicle as shown.



# 9

## TILLIX LOCATION - 1

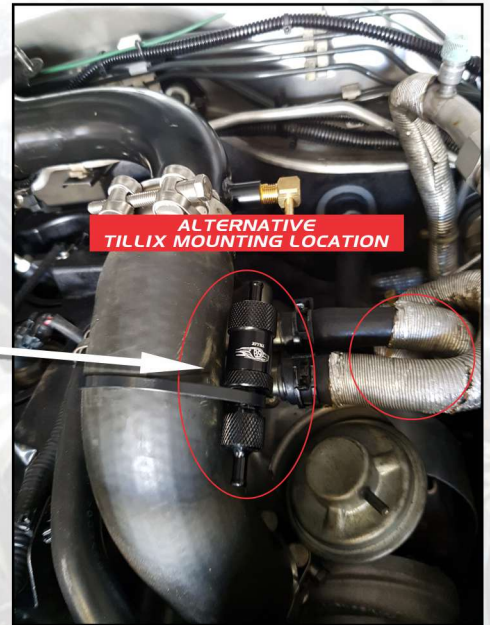
Tillix mounting Location #1.



# 10

## TILLIX LOCATION - 2

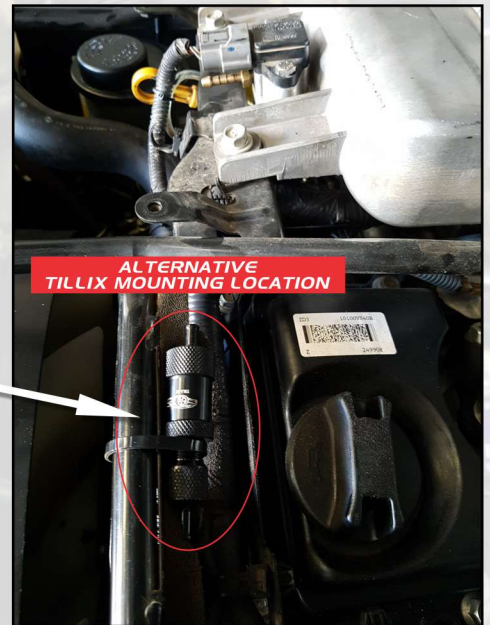
Alternative Tillix mounting location.



# 11

## TILLIX LOCATION - 3

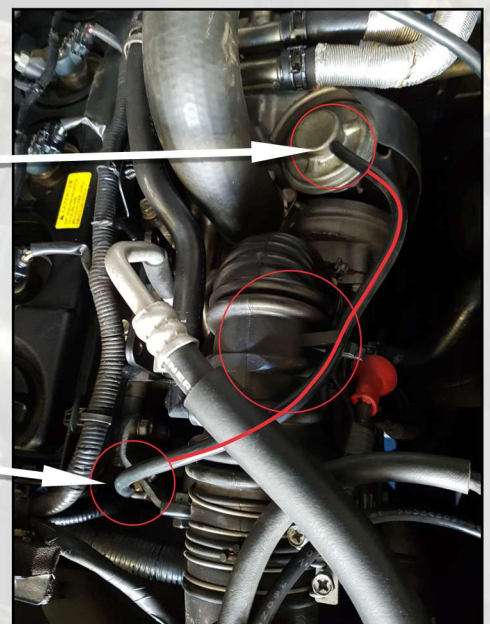
Alternative Tillix mounting location.



# 12

## NEW HOSES RUN

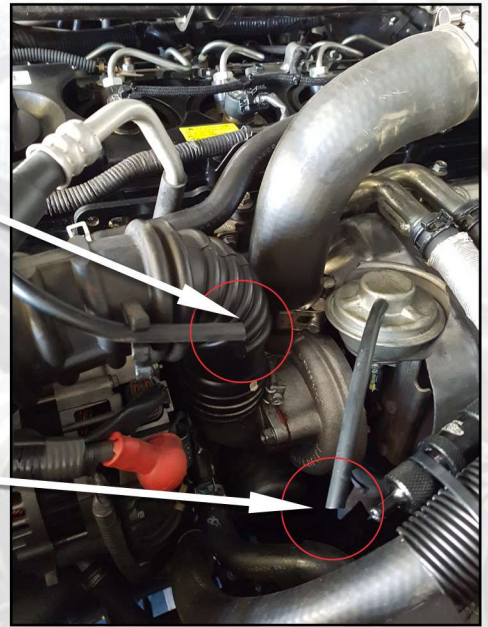
Run a new length of hose from the vacuum source to the turbo actuator.



**13**

**NEW HOSES CUT**

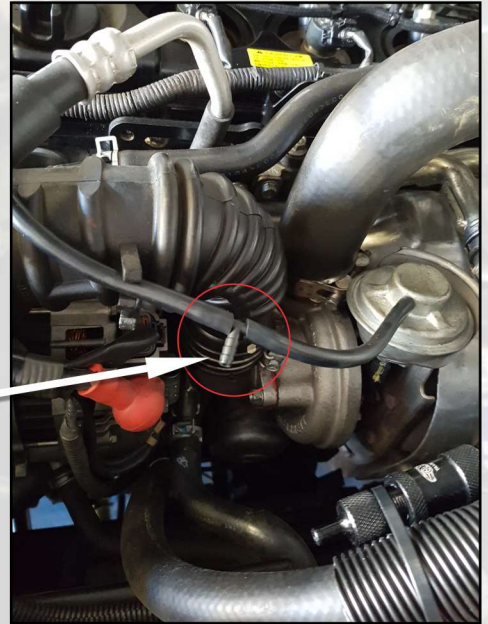
Cut the hose at this location.



**14**

**T-PIECE INSTALLED**

Install the first T-Piece at this location.

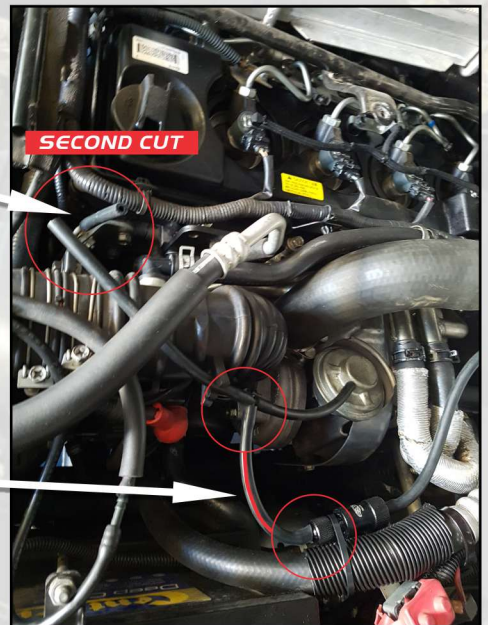


**15**

**SECOND HOSE CUT**

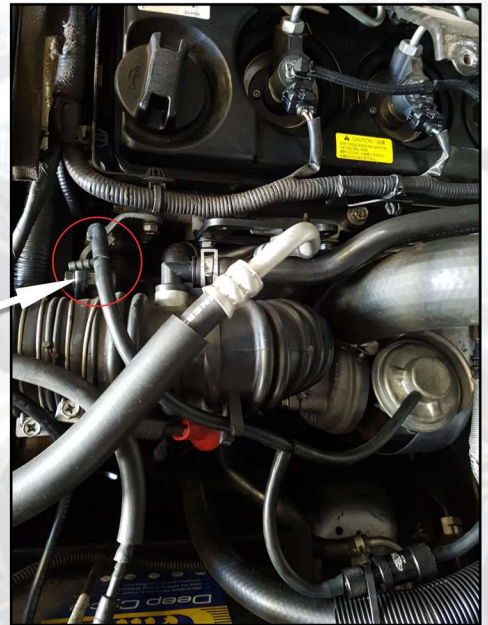
Make a second cut at this location...

Join T-Piece to Tillix valve at the smaller end using supplied silicone hose.



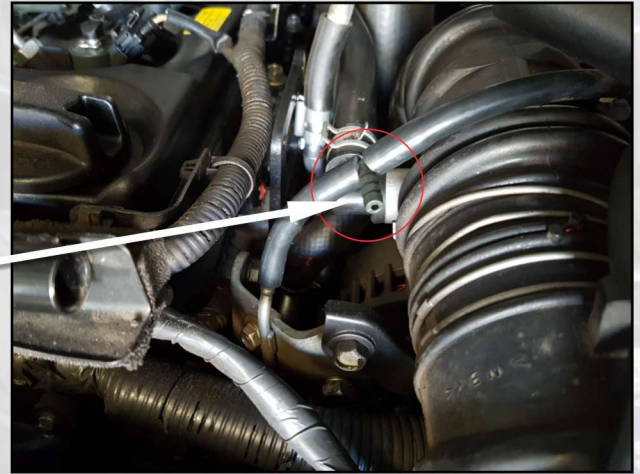
## 16 SECOND T-PIECE INSTALLED

Install second T-Piece at this location.



## 17 SECOND T-PIECE INSTALLED - 2

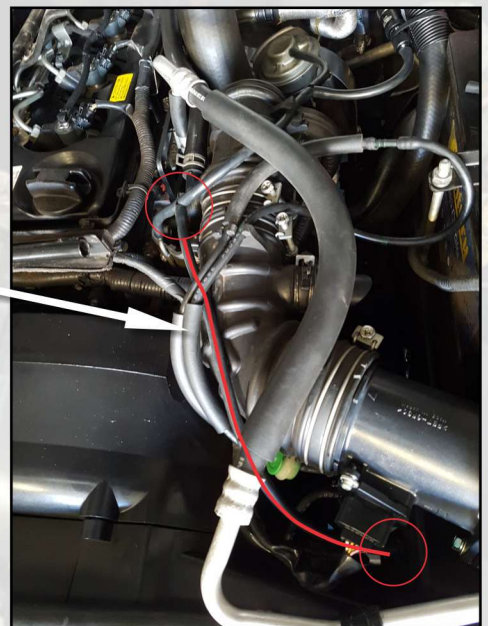
Second T-Piece installed facing toward the front of the vehicle.



## 18 NEEDLE HOSE RUN

Run a length of hose from the second T-Piece down to the air-box resonator spigot.

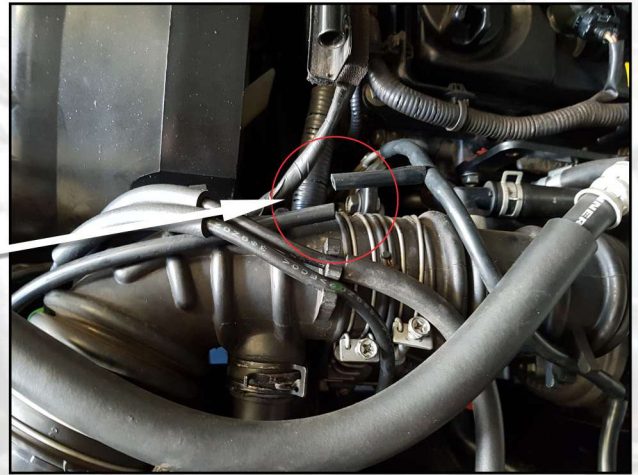
**Note:** The hose was removed from this location in step 4.



## 19

### NEEDLE HOSE CUT

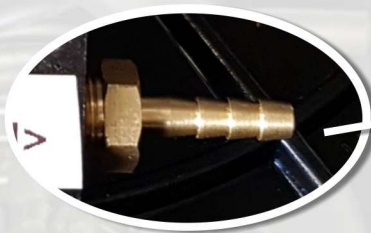
Cut the hose at this location...



## 20

### NEEDLE VALVE

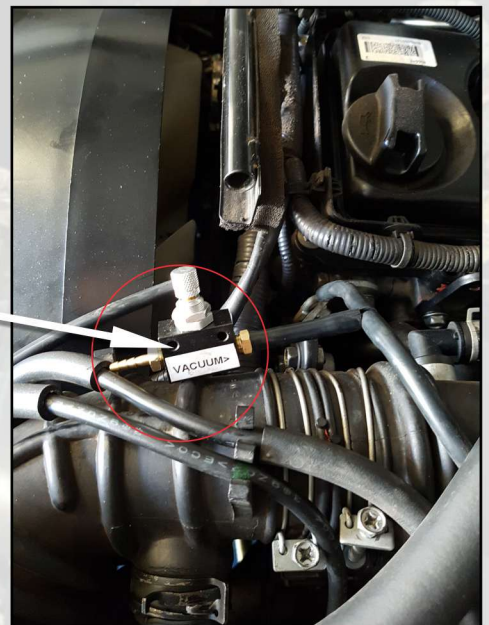
Using thread sealant or thread tape, install barbed fittings into the needle valve.



## 21

### NEEDLE VALVE INSTALLED

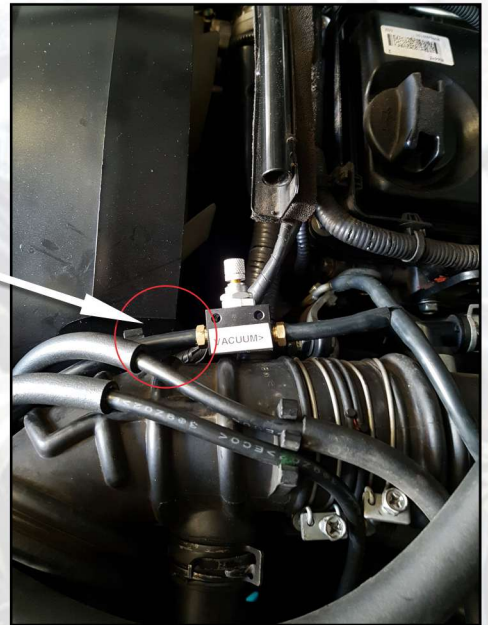
Install the needle valve as shown, with the arrow pointing towards the vacuum source (Shown in diagram 2).





## 22 NEEDLE VALVE INSTALLED - 2

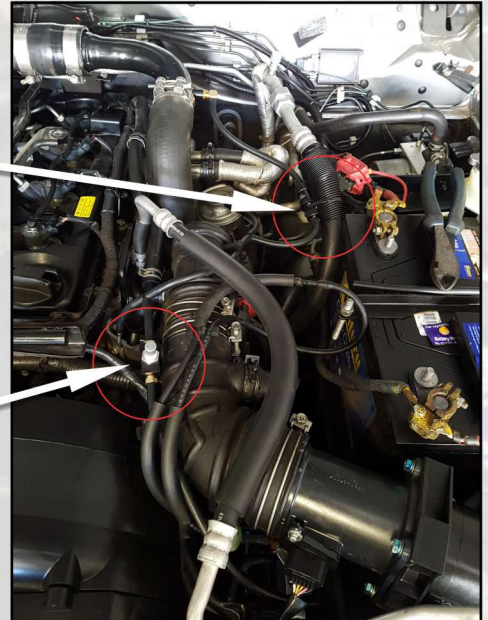
Trim the small amount of excess hose off if necessary, and complete the needle valve fitting.



## 23 FULL SYSTEM LAYOUT


Using supplied cable ties, secure both the needle valve and Tillix valve once all tuning is complete.

Ensure everything is right and will not rub or vibrate against anything.



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