



**WHAT IS INCLUDED**

1. CTS Breather Plate
2. Mounting Bracket
3. Breather Hoses
4. CTS Catch Can
5. Mounting rod
6. Breather adapter
7. Hardware
8. Check valve

**GOLF R**

8. Washer fluid adapter
9. Washer Fluid Hose
10. CTS Washer fluid housing

**TOOLS REQUIRED**

1. T-30 Torx
2. Ratchet
3. 3mm & 4mm Allen
4. Pliers
5. 10mm socket
6. 13mm Wrench

**NOTES**

Vehicle used in this guide is a 2018 Golf R. Always make sure the car is safe to work on. Do not work on a hot motor. We do not accept any liability for incorrect installation or damage during the install.

**STEP 1**

Begin with removing the engine cover to access the top of the engine.

**STEP 2**

Remove the electrical connection to the coilpacks using a 10mm socket

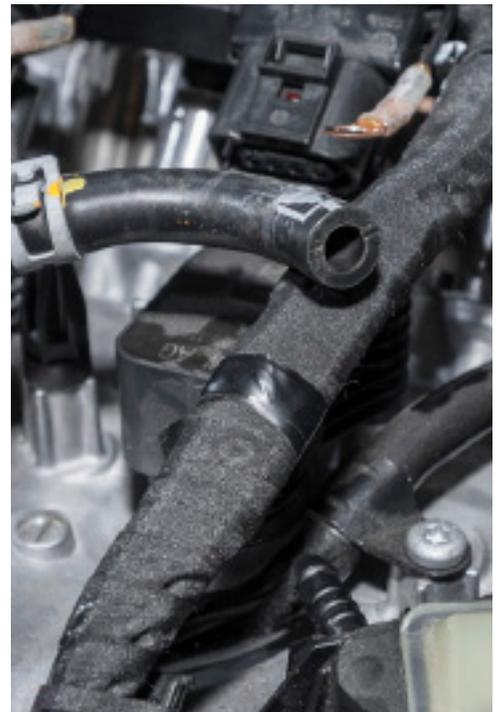


**STEP 3**

Remove coilpack  
number 4

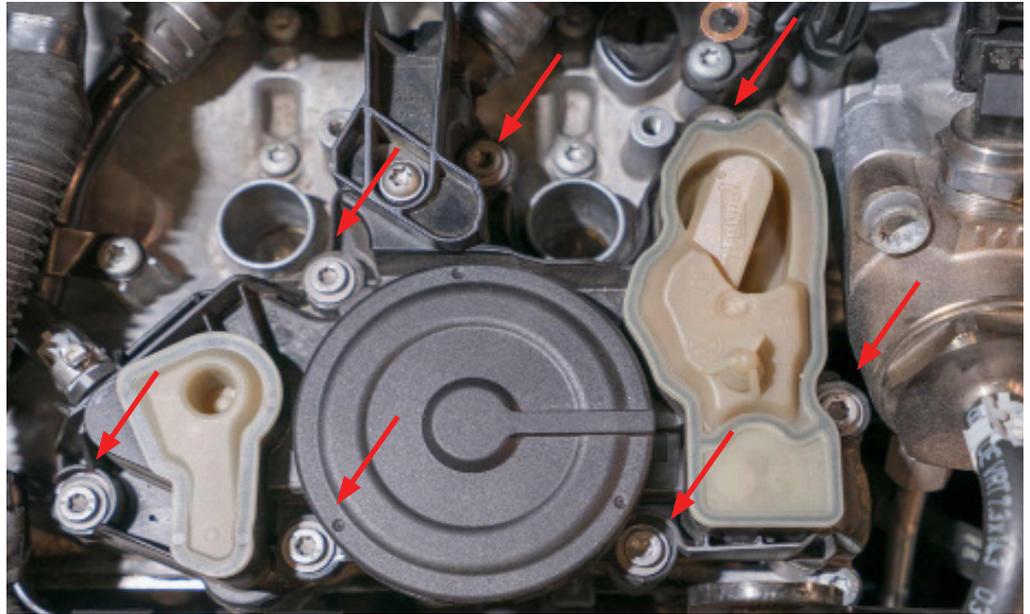
**STEP 4**

Remove clamp from  
NBO valve hose  
and remove OEM  
breather plate

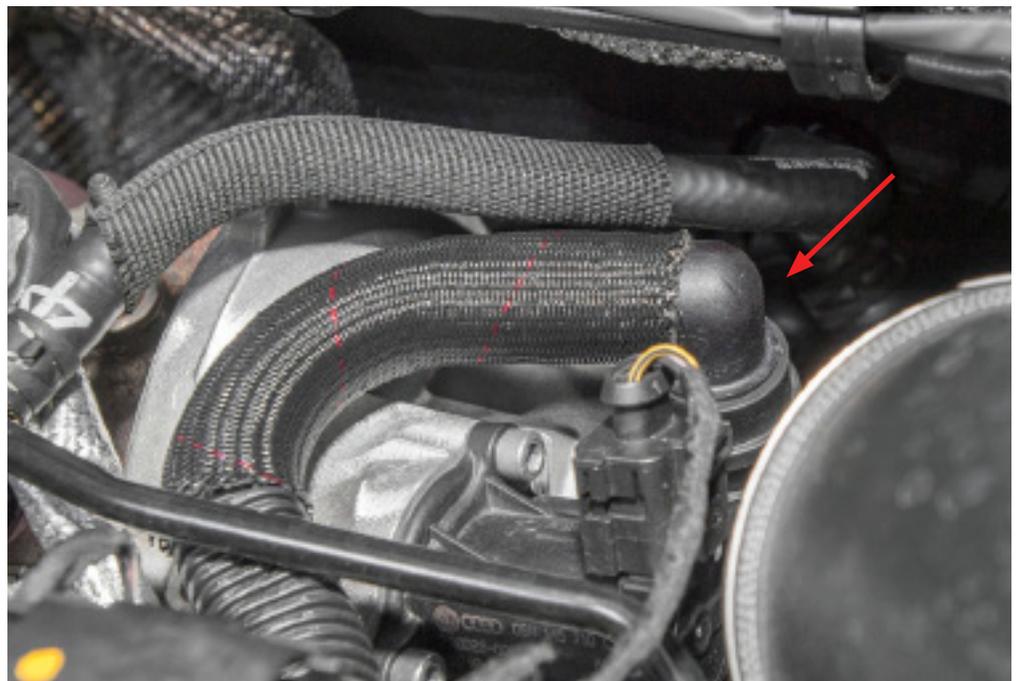


**STEP 5**

Remove the seven T30 torx screws holding the OEM breather plate in place.

**STEP 6**

Unclip the hose from the N80 valve using pliers.



**STEP 7**

Pull up on the breather plate to remove it from the top of the engine block.

**STEP 8**

Transfer the green gasket from the factory breather plate to the CTS breather plate.

Note:

Be careful removing not to tear the gasket.



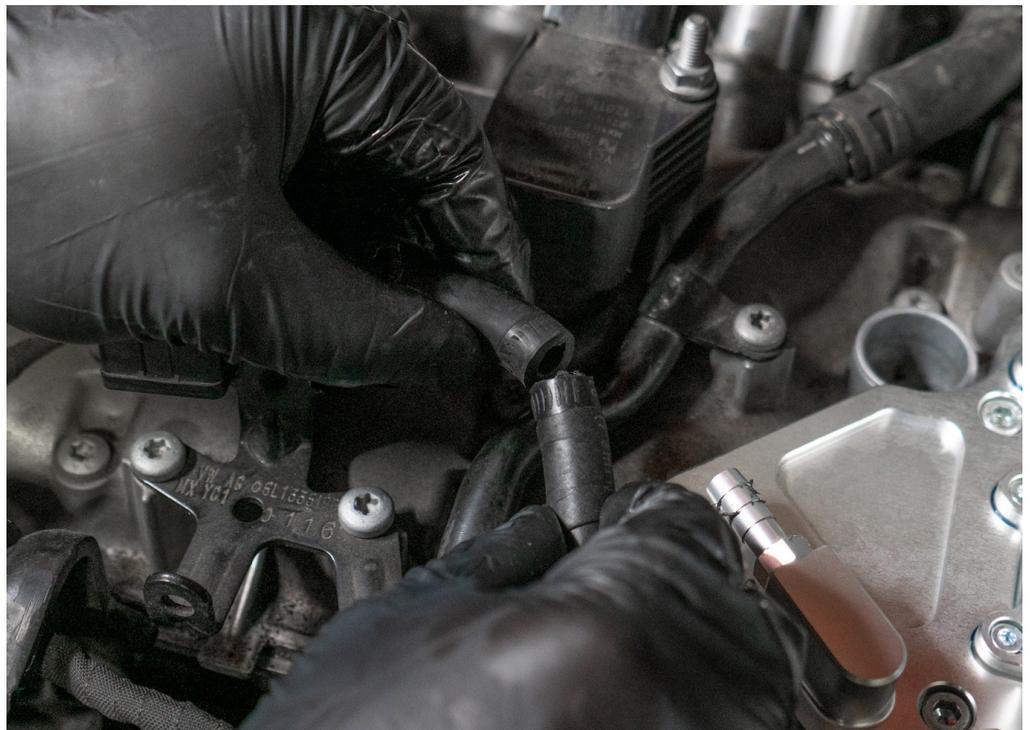
**STEP 9**

Install the CTS breather plate with provided 7 screws.

You may also reinstall coilpack number 4 at this point.

**STEP 10**

We need to cut the NBO hose to accommodate the check valve.

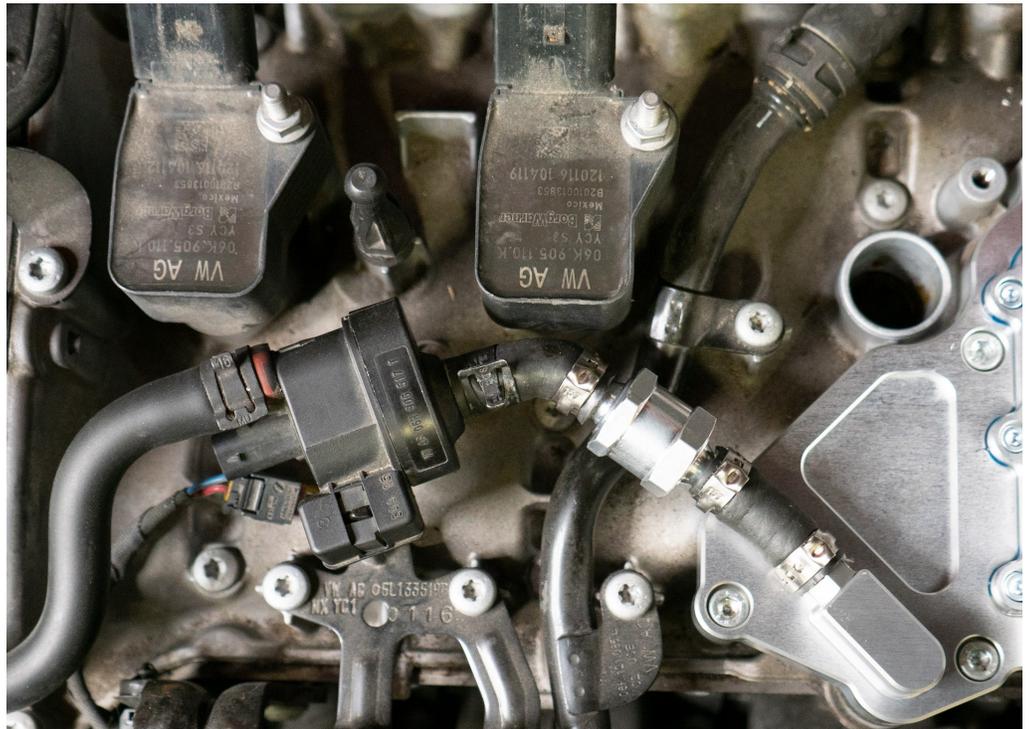


**STEP 9**

Before installing the check valve you need to ensure the arrow is pointing in same direction as the image

**STEP 10**

Install the check valve with provided clamps.

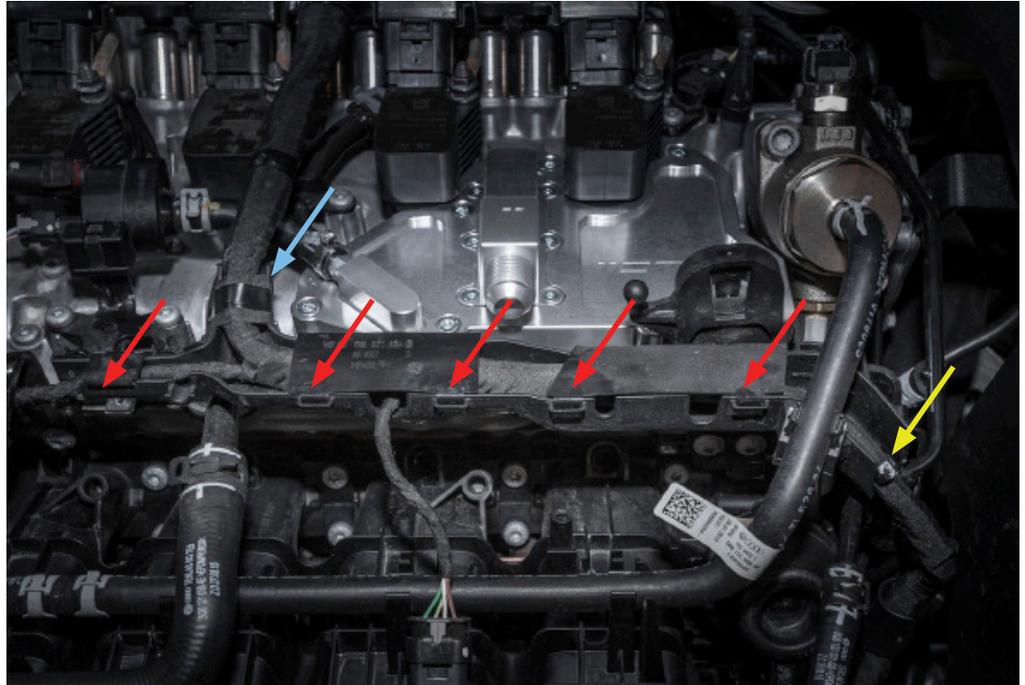


**STEP 11**

Red Arrows  
*Unclip the plastic  
guide from the wiring  
harness*

Blue Arrow  
*Use pliers to cut the  
tape*

Yellow Arrow  
*Use pliers to cut  
cable tie*

**STEP 12**

Remove the plastic  
guide



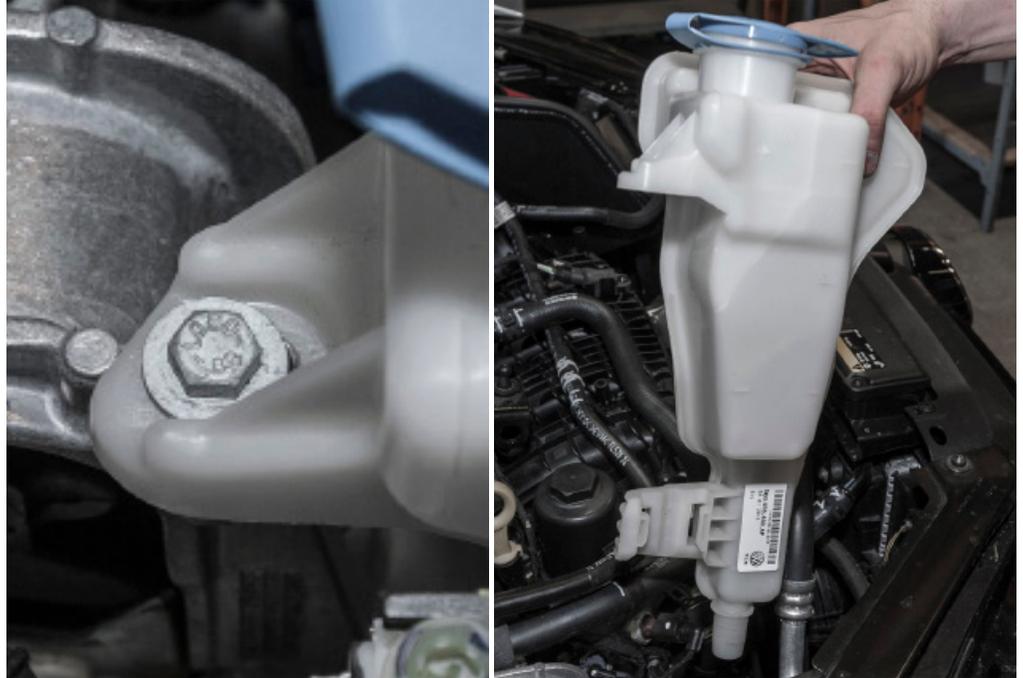
## IF YOU HAVE A MK7 GTI PROCEED

### STEP 13

Remove 10mm bolt and remove secondary washer fluid reservoir

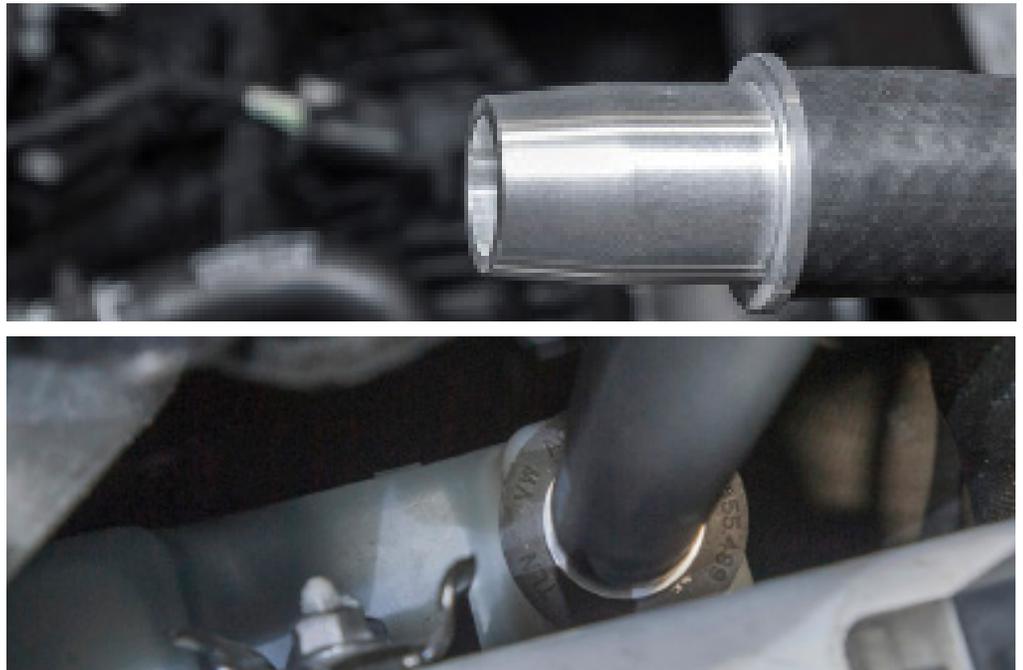
Note:

Drain fluid before removal



### STEP 14

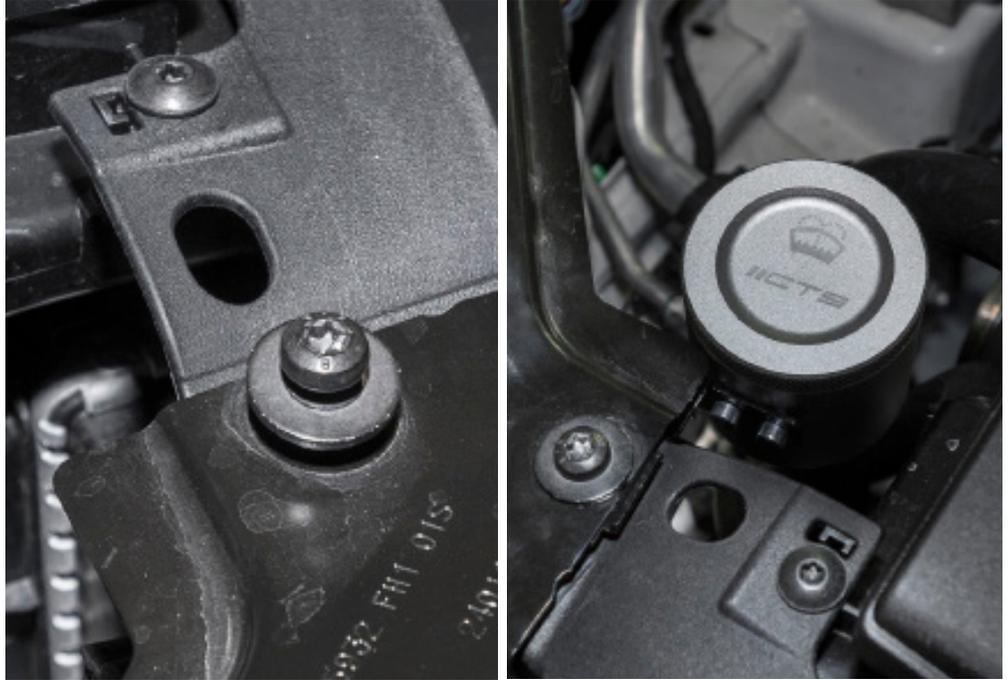
Attach provided hose and nozzle and insert into washer fluid port



**STEP 15**

Loosen the T30 Torx attached to the frame.

Attach provided bracket and CTS washer reservoir

**STEP 16**

Connect hose to CTS reservoir



**STEP 17**

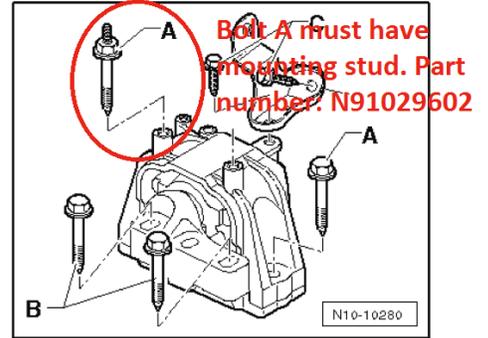
The catch can needs to be mounted to the engine mount and stud on the engine mount bolt.

If you do not have this bolt you can order one from your dealership using this part number:

N91029602



Engine Mount Tightening Specifications



Component	Nm
Bolts A	40 plus an additional 90° (¼ turn) <sup>1)</sup>
Bolts B	60 plus an additional 90° (¼ turn) <sup>1)</sup>
Bolts C	20 plus an additional 90° (¼ turn) <sup>1)</sup>

<sup>1)</sup> Replace fastener(s).

**STEP 18**

Thread in the mounting rod onto the engine mount stud. A 13mm wrench can be used to tighten it down.



**STEP 19**

Install the catch can mount onto the catch can using the two 4mm Allen bolts.

**STEP 20**

Mount the catch can to the engine mount and the mounting rod. Be sure to use the long bolt for the left side indicated.



**STEP 21**

Installed breather adapter and pin.

**STEP 22**

Attach breather hose with heat shield and hand tighten hose before using crescent wrench to tighten.



**STEP 23**

Feed breather hose  
under stock lines.

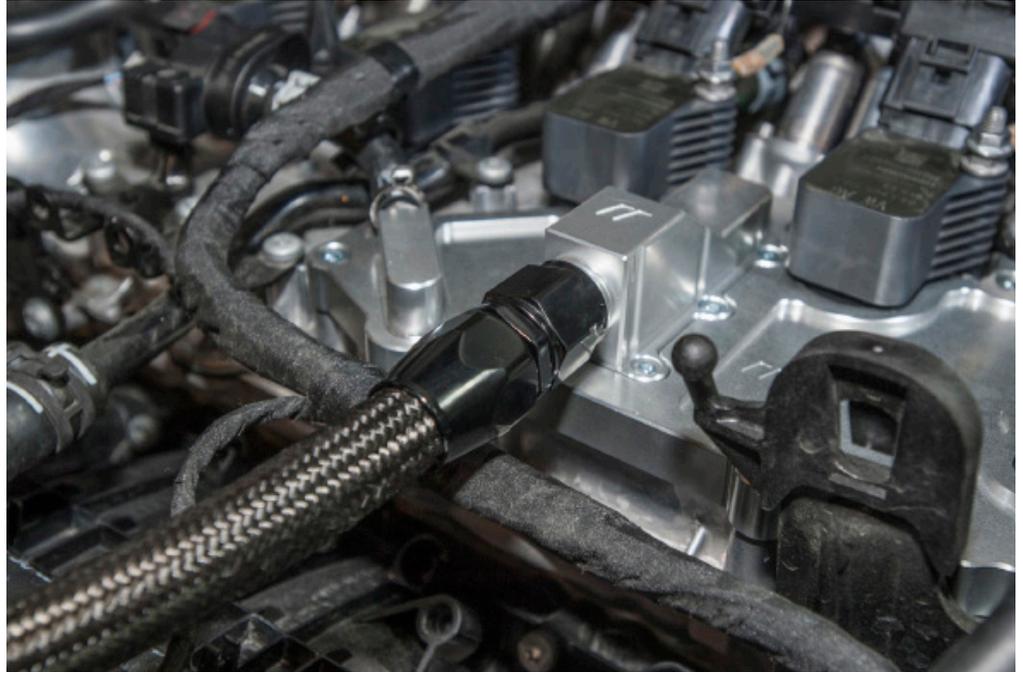
**STEP 23**

Attach breather  
hose to catch can



**STEP 23**

Attach the 2nd breather hose to the breather plate and catch can.



**Reinstall engine cover and you are DONE!**

