



## Ford Focus ST 225 Dump Valve



### **Tools Required:**

Hose clamp driver

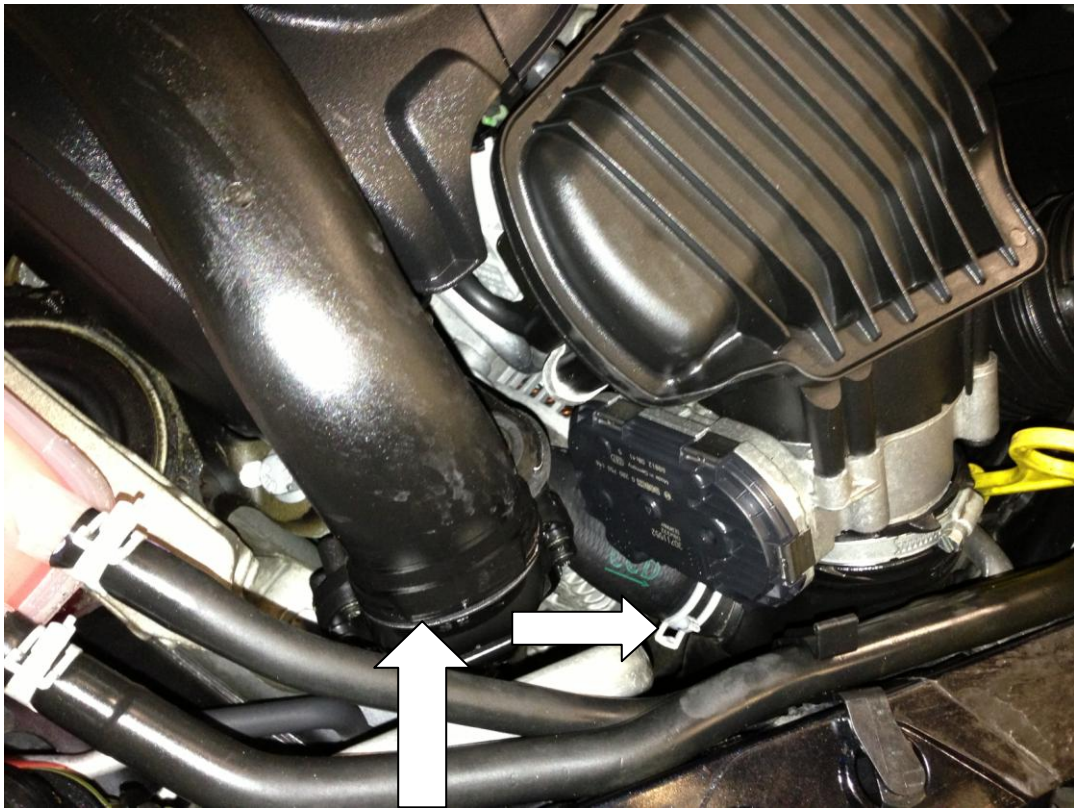
T30 Torx

Hose clamp removal tool or pliers

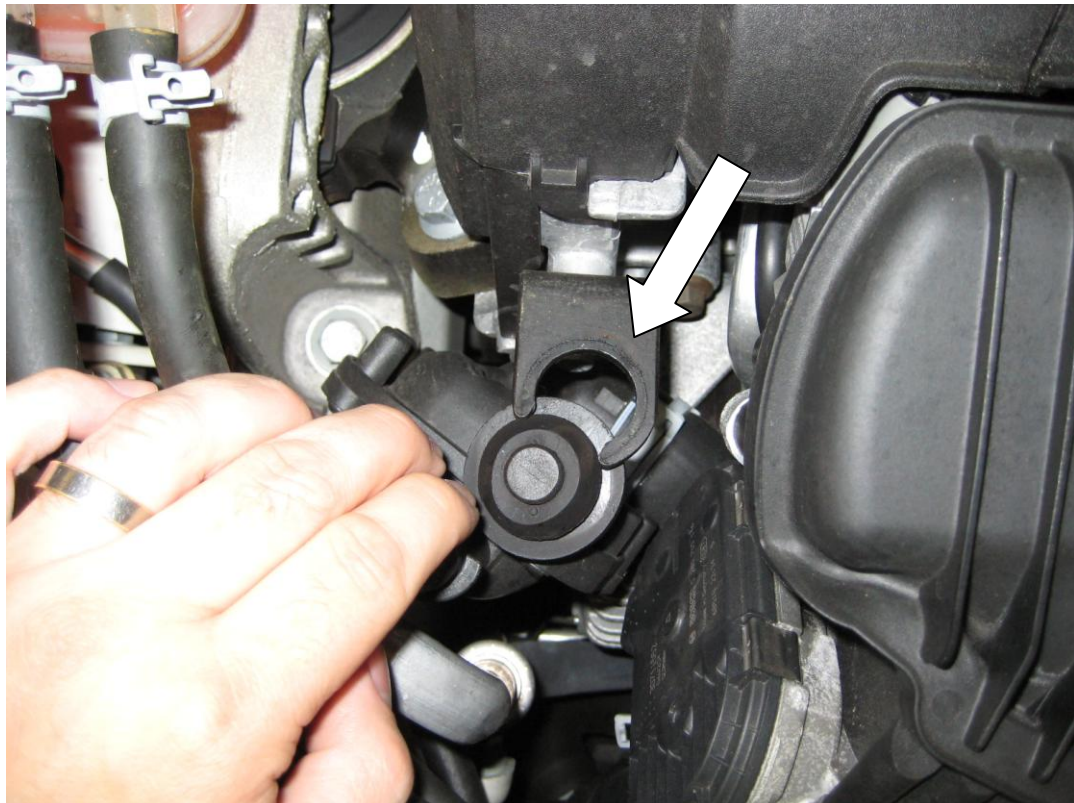
10mm spanner

Phillips screw driver

1. Firstly, remove the top noise generator pipe from the pump by pulling upwards. Then using a hose clamp removal tool, remove the hose clamp and pipe shown by the arrow below.

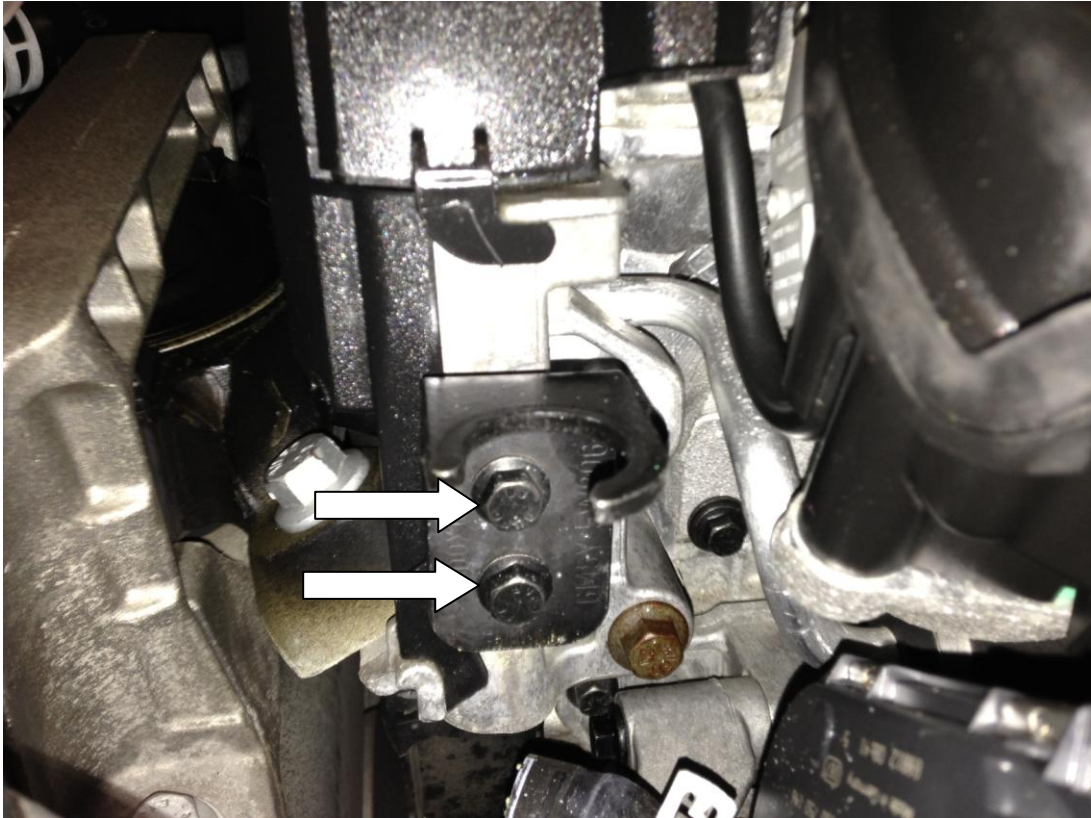


2. Remove the noise generator pump by simply pulling towards you.

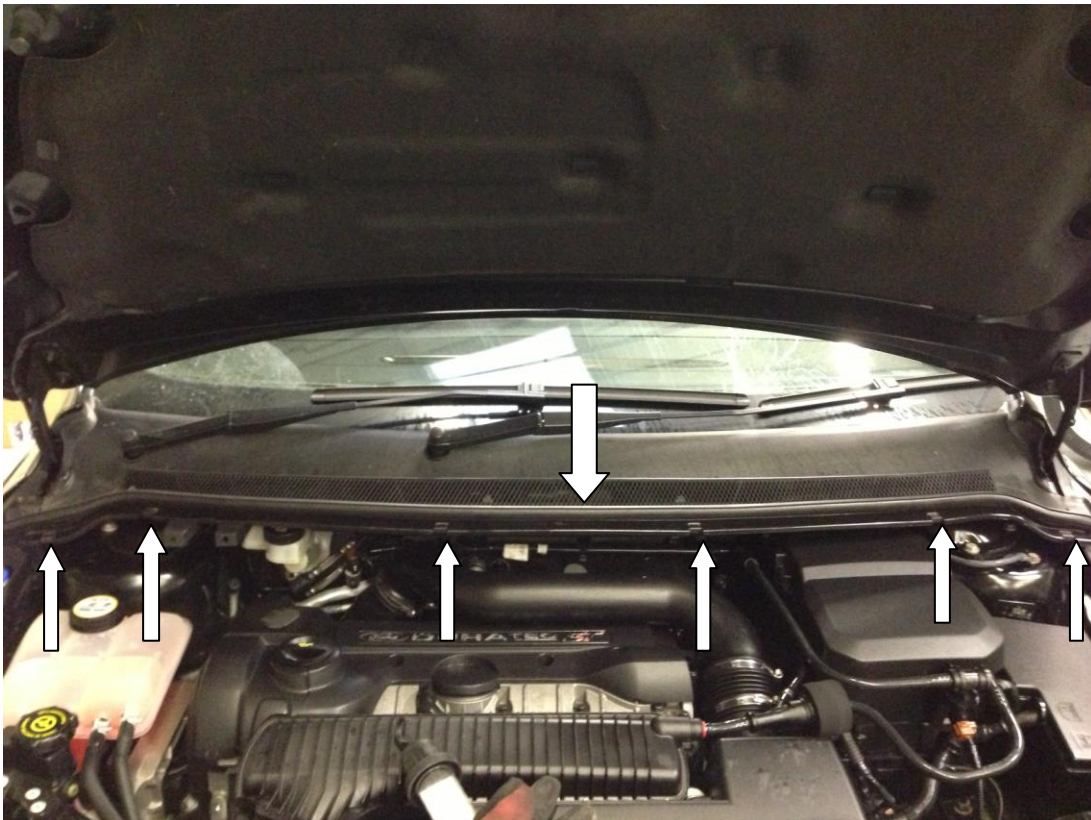




3. Using a 10mm spanner, remove the two 10mm bolts holding the bracket to the engine. The bracket is no longer used.



4. Remove the rubber seal and the 6 clips holding the scuttle panel down.

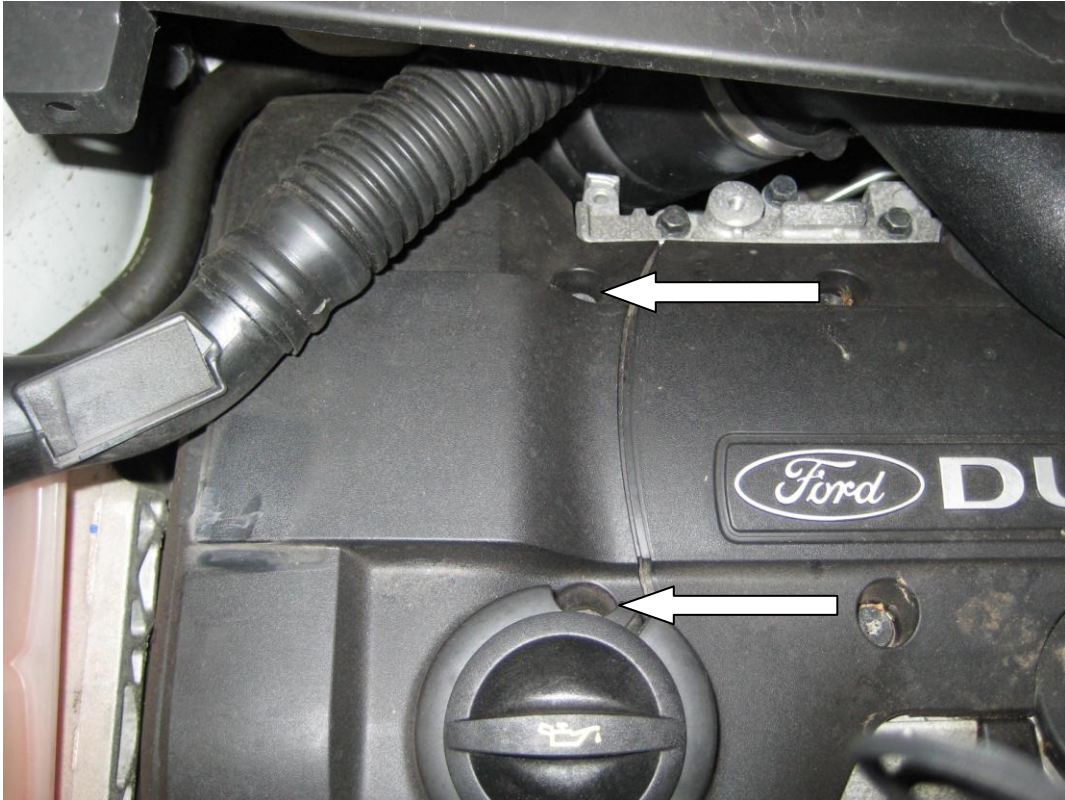


5. If you lift the scuttle panel you will see the other end of the noise generator pipe. This has a fixing on both sides holding it to the bulk head. To access these you will need to go under the bulk head into the engine bay and remove these using a Phillips screwdriver. This will now allow you to remove the noise generator. To do this simply lift the scuttle panel upwards and feed it out through the hole.





6. Using a T30 Torx driver, remove the two T30 torx bolts holding the cam cover to the engine.



7. Using the new silicon hose provided, place the larger of the two ends onto the outlet from which the pipe was removed in step 1. Place the larger hose clamp over the hose and tighten using a hose clamp driver.



8. Place the smaller hose clamp over the hose and place the new valve into the other end of the silicone hose. Again using a hose clamp driver tighten the hose clamp around the valve.

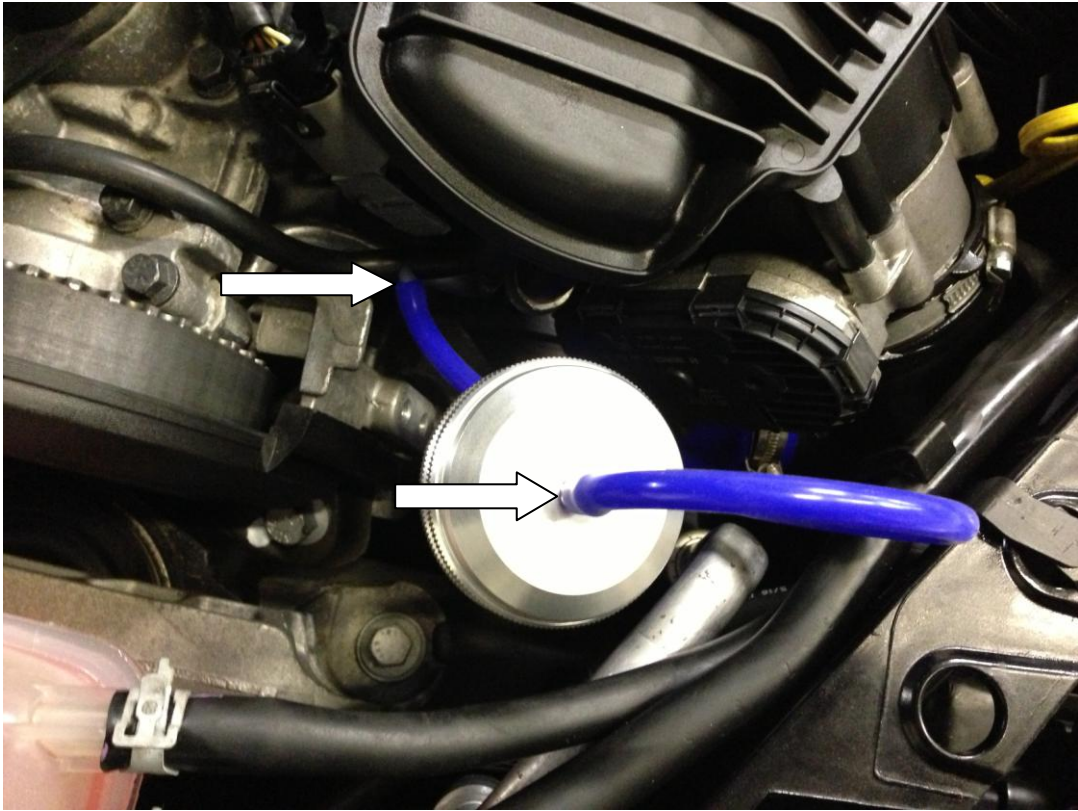


9. With the cambelt cover removed you will now see the small black vacuum pipe running along the top of the engine. Cut this pipe in the area shown in the picture below. Once cut simply place the plastic "T" piece provided into the hose.





10. Last step is to simply place the vacuum hose provided over the plastic "T" piece and then to the vacuum nipple on the top of the valve. You may wish to trim the vacuum hose to desired length. Now refit the cambelt cover and test drive the vehicle.



Installation is now complete.

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