
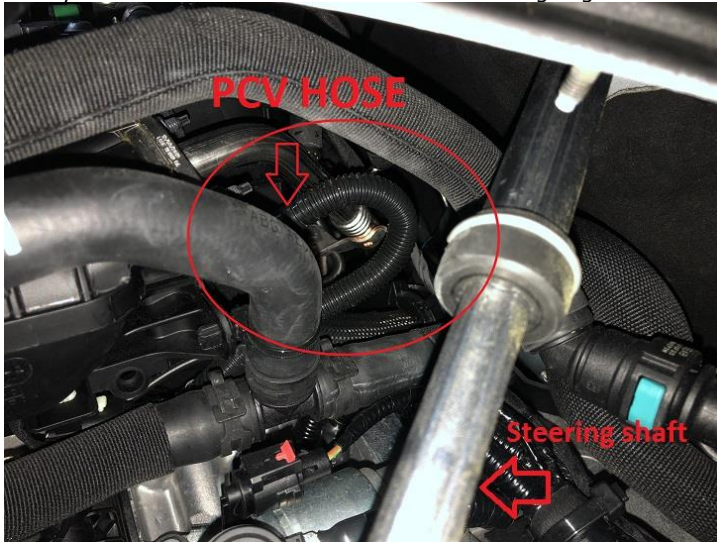


JLT Oil Separator (2019 Ford Ranger 2.3 EcoBoost Driver Side) #3037D Installation Instructions

Please review complete instructions prior to installing.

Step #	
1	Verify you have all of the following parts in the kit: (1) JLT Oil Separator, (1) Mounting bracket, (2) Fine thread machine screws, (1) M6x1.0 bolt, (1) PCV Hose with Male connector, (1) PCV Hose with Female 90 connector
2	Gather all of the following tools needed for the installation: Phillips screwdriver, 10mm socket, extension and ratchet, Light oil, Jack, Jack stands and 19mm socket/Torque wrench.
3	<p>Remove driver side front wheel, support vehicle with Jack stands! Never rely only on the jack.</p> <p>Remove rubber access flap (Gives access to oil filter), it is secured with numerous screw style plastic clips.</p> 

4 Next you will need to locate the PCV hose that is going to the intake manifold. It's an accordion style hose.

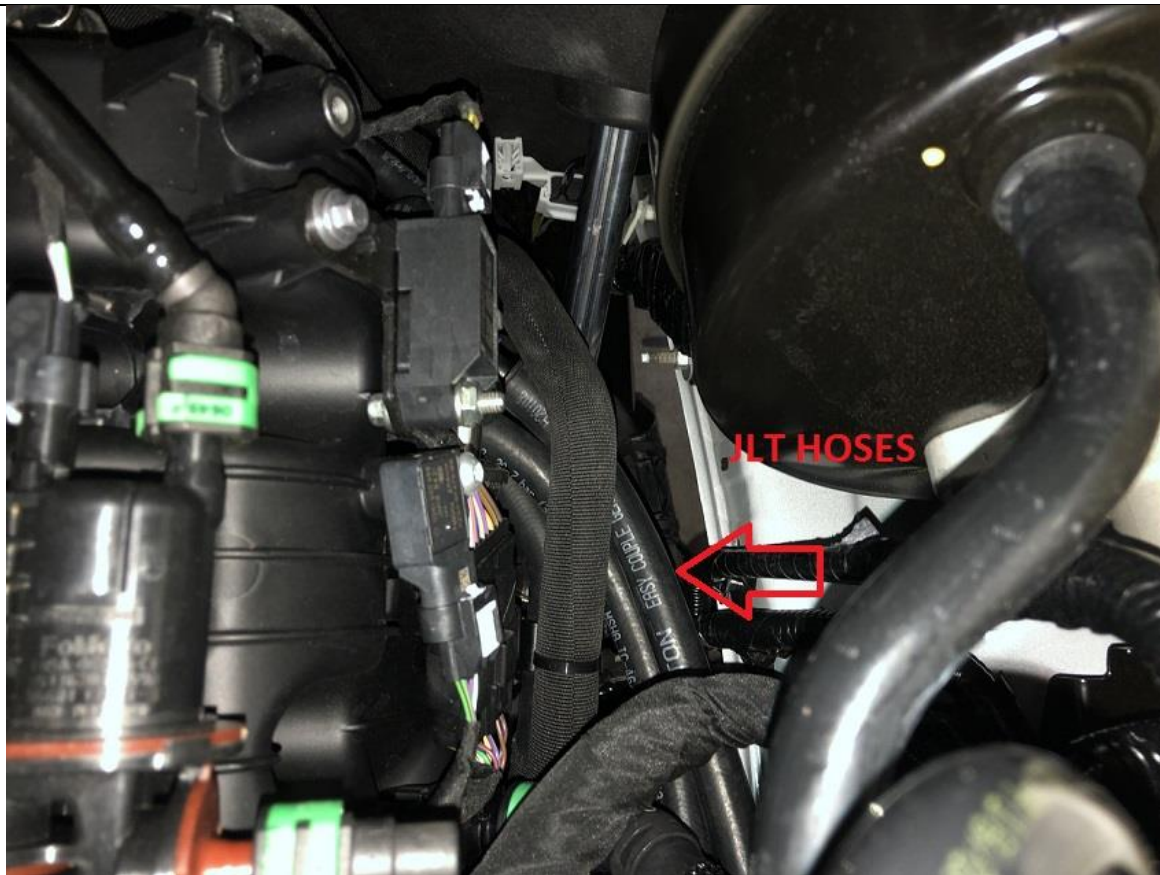


You will need to remove the connection to the intake manifold. Slide the locking tab with your finger and pull fitting away from manifold. Pull hose downward to gain access to the connection.

5 In the engine bay route both JLT hoses down towards the PCV connections. This part is easier to do with two people, one at the top of the engine bay.

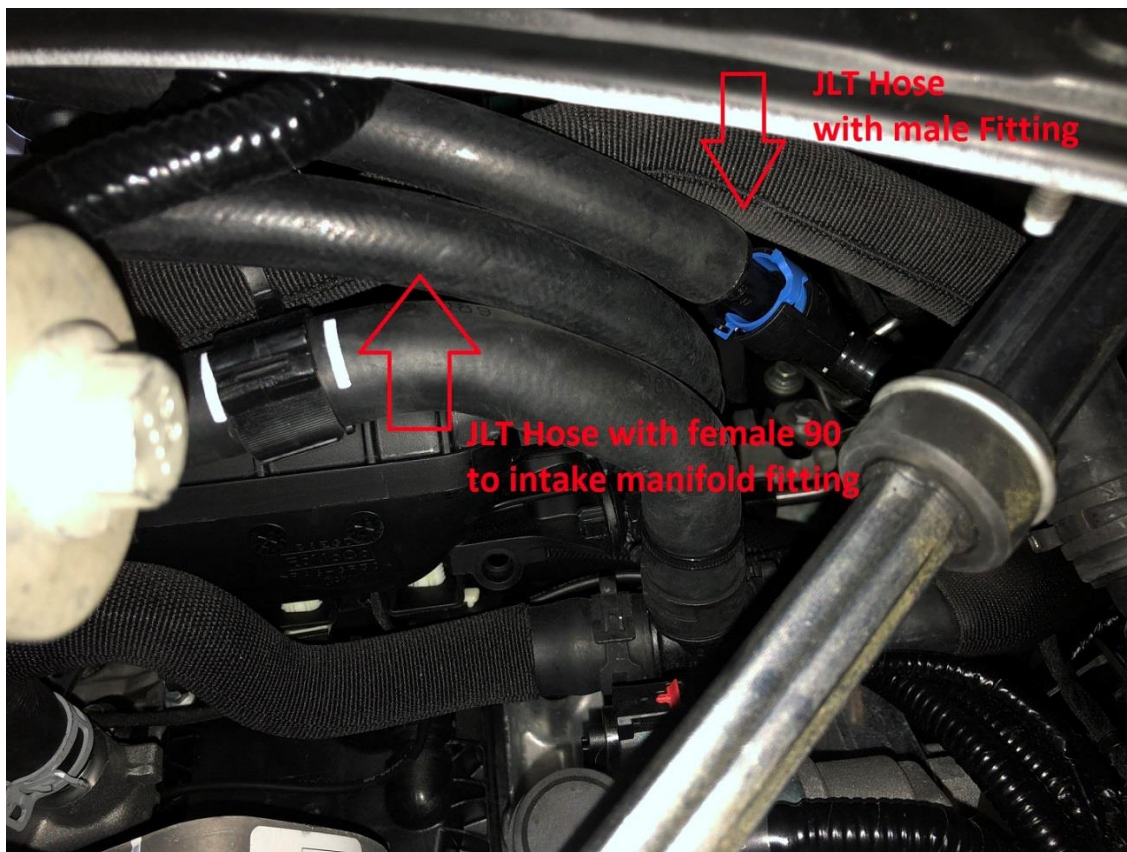
Tip: Label hoses at the top so you can easily remember which is which for connecting to the catch can later. You can do this with tape.





6 Back under the vehicle, connect JLT 90° fitting to intake manifold. Once the fitting is fully seated you will press in the large tab to lock fitting in. You will hear an audible "CLICK" when it engages. Pull on connector to make sure it doesn't come back off. You cannot see these fittings well, so this is all done by feel.

Next connect the JLT hose with the male fitting to the factory PCV line you removed earlier, this connection will also click when installed.

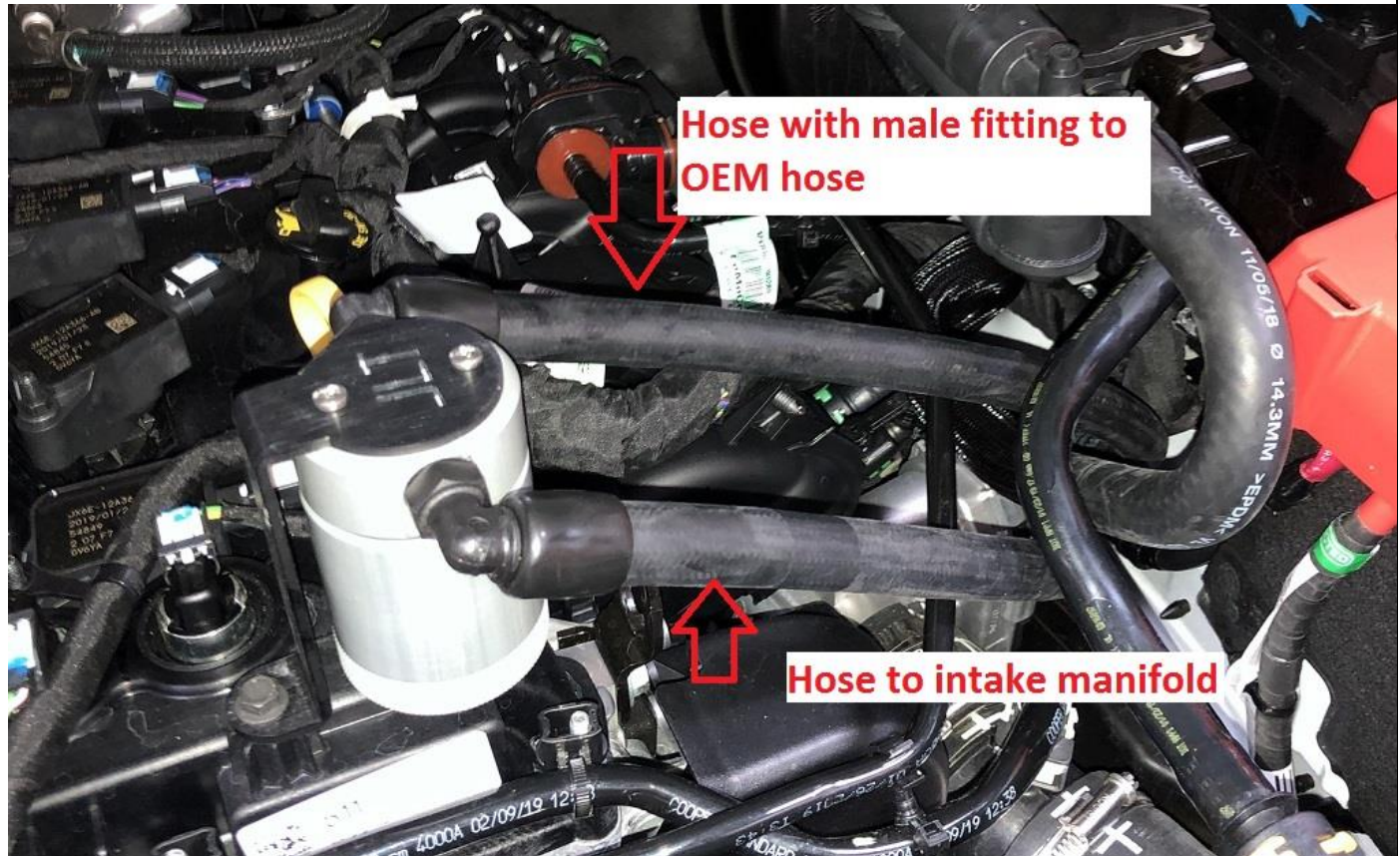


Ensure the hoses are not interfering with the steering shaft, they should be far away from this area. Use zip ties if needed to tie up hoses for extra security.

7 Mount JLT oil separator to mounting bracket. The JLT logos will line up. Install Can onto front of valve cover with supplied bolt into pre-existing threaded hole.

The can has a filter installed on the "T" side; this is the dirty side of the can. This needs to connect to the hose that had the MALE fitting. Using light oil, lubricate the inside of the hose and fitting. Install dress up end on hose and push onto the fitting on the "T" side of the can.

Do the same with the other hose to the "J" side of the can. See picture below for recommended routing.



8 Check all connections. Reinstall rubber flap and wheel. Torque wheel to 100 ft/lbs in a star pattern. Recheck/Retorque wheel after 50 miles of driving.

We highly encourage you watch the install video of this product as it shows much more detail of this install!!