

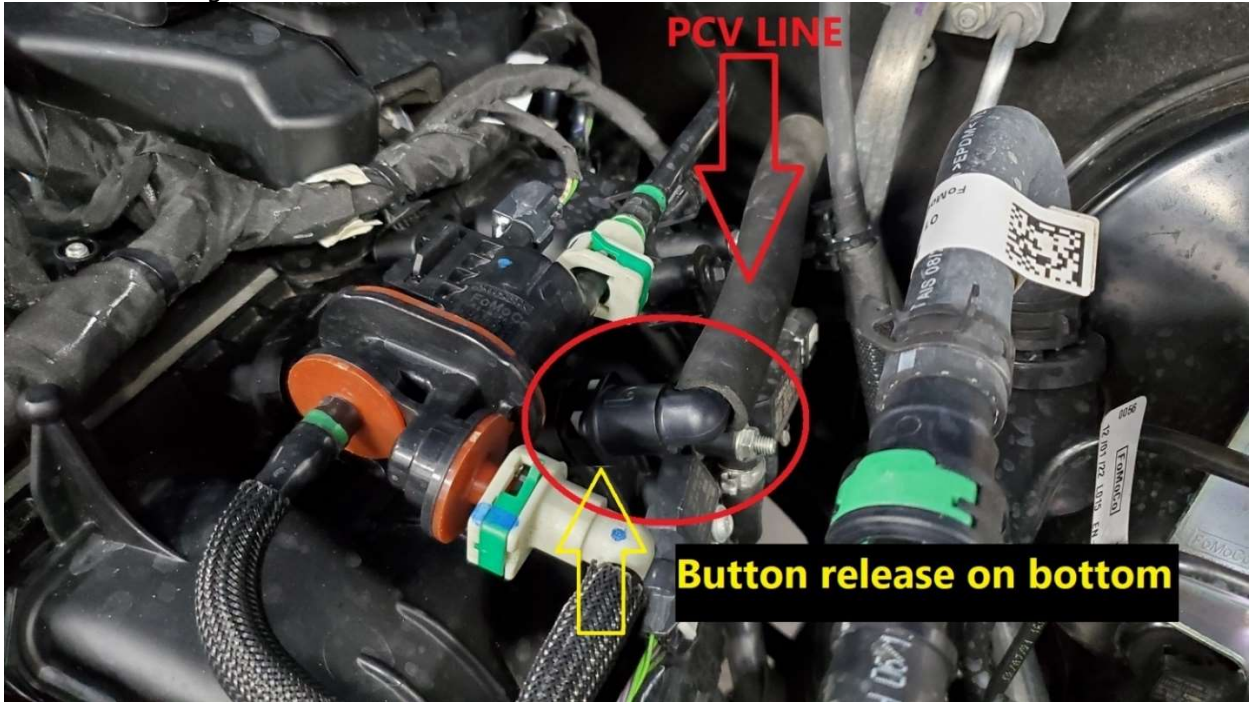



757-842-6497
WWW.JLOSC.COM

**J&L Oil Separator, Passenger Side
(2021.5-2023 Ford Ranger 2.3L EcoBoost)
#3037D**

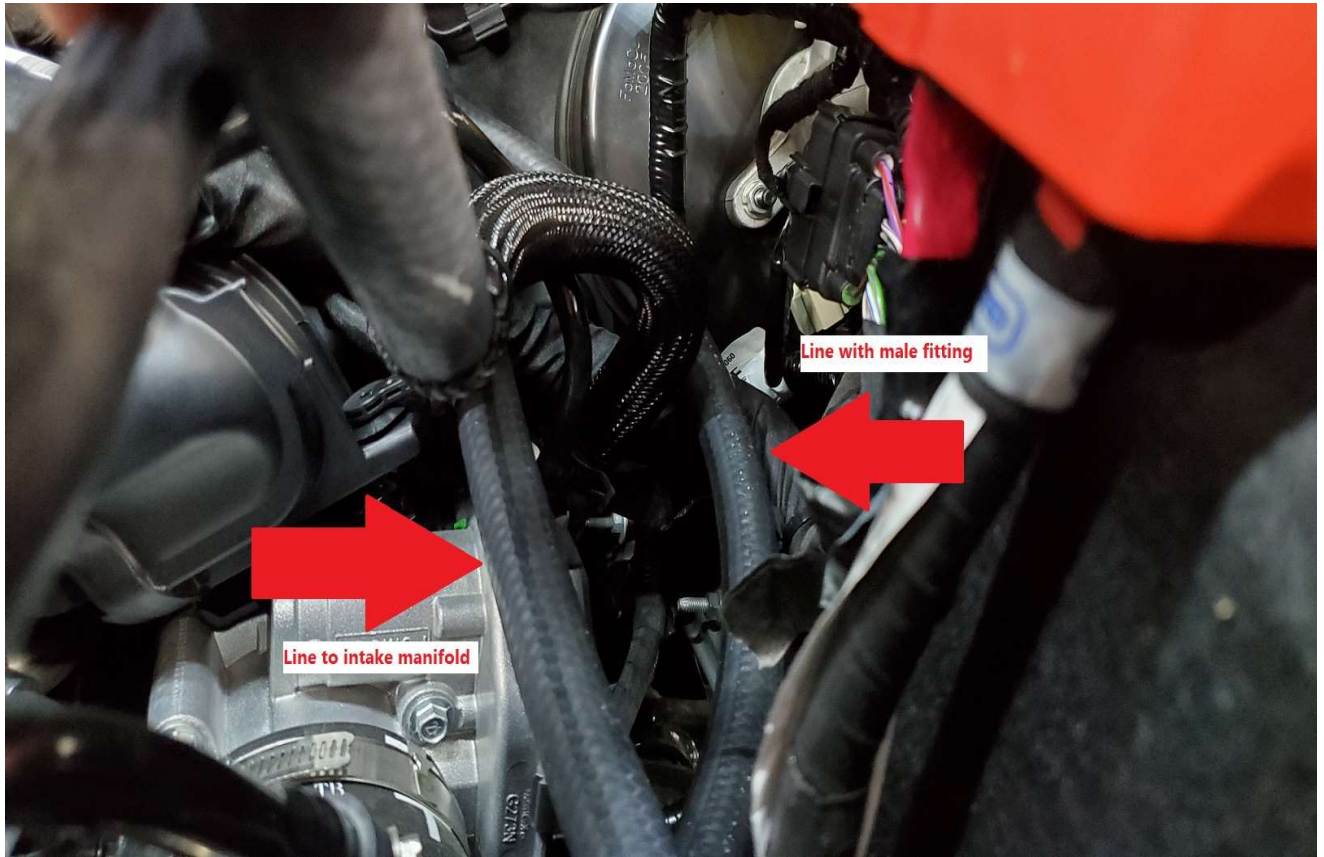
Installation Instructions

Install video available at our website www.JLosc.com Search: 3037D and click videos.
Please review complete instructions prior to installing.

Step #	
1	Verify you have all of the following parts included in the kit: (1) J&L Oil Separator (1) J&L Mounting Bracket, (2) Fine Thread Machine Screws, (1) M6x1.0 Mounting bolt, (2) hose assemblies, (2) Dress up end caps
2	Gather all of the following tools needed for the installation: 10mm socket, extension and ratchet, Phillips screwdriver, Hose cutter or Razor blade, light grease or oil.
3	Locate and remove Factory PCV line from intake manifold, push the larger white button on bottom of fitting to release.  <p>PCV LINE</p> <p>Button release on bottom</p>
4	Twist factory fitting in the end of the hose to point towards driver side fender. 

Route hose with male fitting in between battery and rubber hose. Make connection to the factory line you removed earlier.

Route hose with 90 degree fitting between EVAP hardline and rubber hose with wireloom. See picture below. Make connection to intake manifold.



5

Note: The fitting in the J&L Hose has a push button release, along with a locking tab. See below for how this fitting operates. The locking tab can only be engaged once installed onto connection.



6

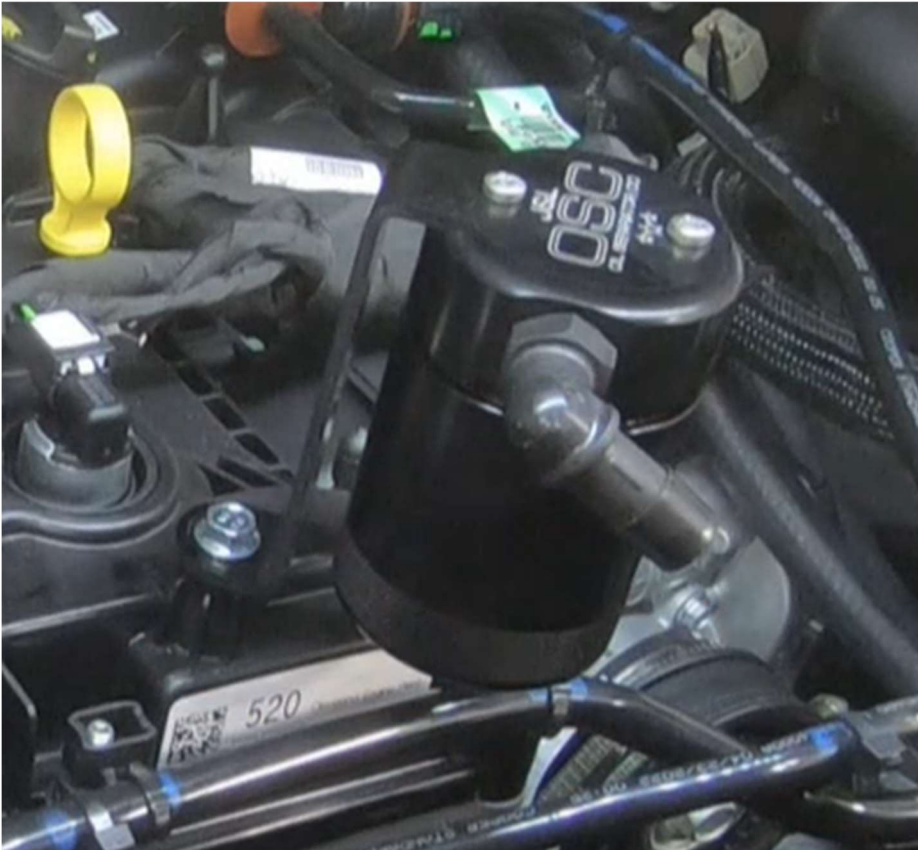
To remove:



Tab Unlocked, Button pressed to release

TIP: The quick connections are all adjustable in the end of the hoses, if the fitting isn't at an optimum angle, twist the fitting until it is. The hoses can also twist on the J&L Oil separator connections for adjustment, use the natural bend of the hoses to your advantage.

Mount J&L Oil Separator and bracket to the valve cover with supplied bolt. Do not completely tighten the bolt yet. If equipped with factory engine cover, install over cover stud and reinstall nut.

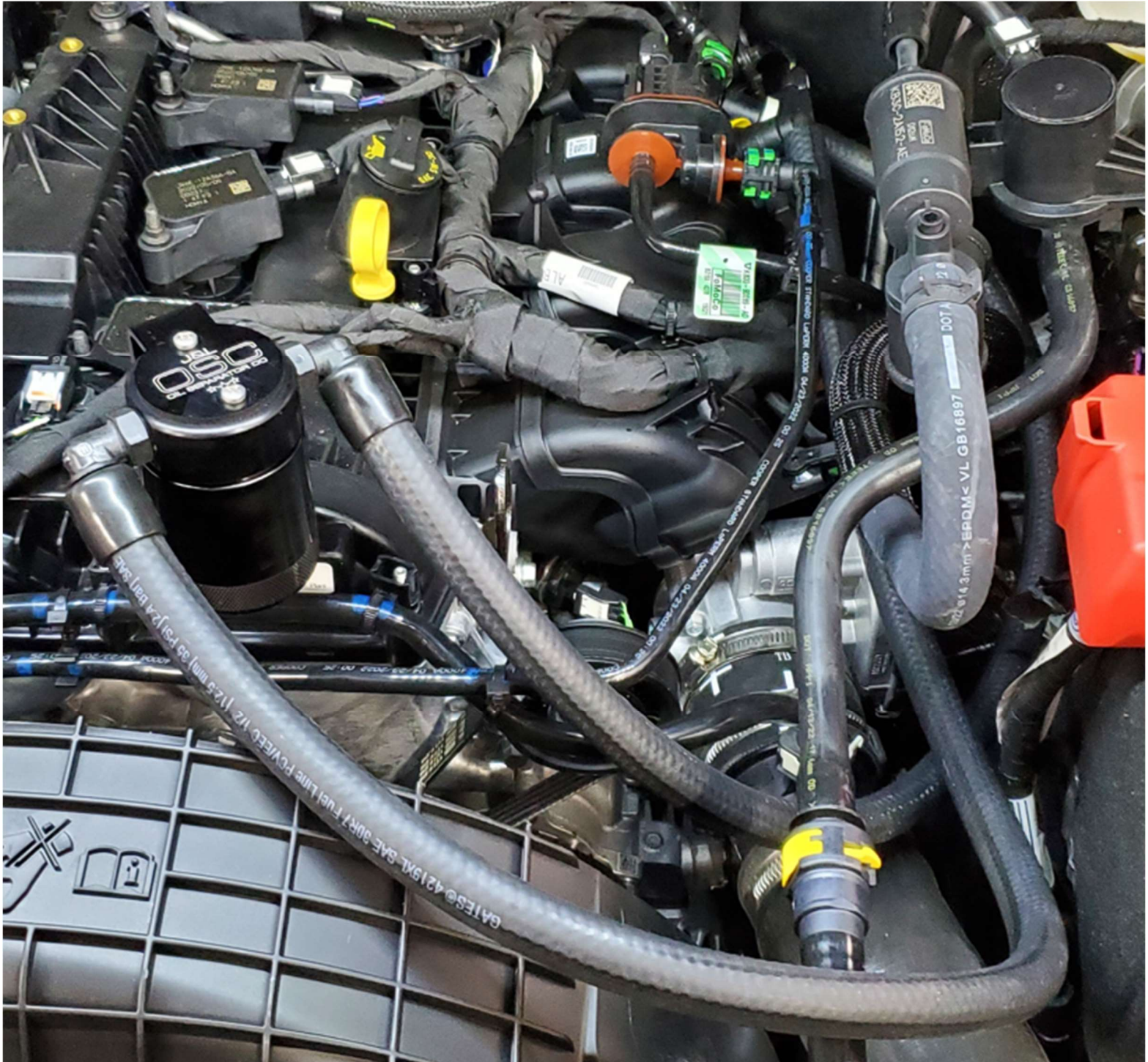


Route J&L hose with the male fitting from the factory line under hard breather line at the front of the engine towards the radiator. You will need to trim this hose to fit, typical trim is 6" off the end of the hose.

Connect the above hose to the "C" side of the oil separator. Be sure to grease or oil inside of hose for lubrication, this will aide you in sliding the hose all the way onto the fitting. Install the provided dress up end on the end of the hose before installing onto the oil separator.

Route J&L hose from the intake manifold OVER the hard breather line at the front of the engine, this will ensure the line can't ever fall into the radiator fan. Connect the hose to the "O" side of the oil separator. See picture below.

8 Once complete, tighten 10mm bolt to secure bracket to valve cover.



Check oil separator after 1000 miles of driving to assess how much contaminates your engine is putting through the PCV system.

To properly clean the filter in the Oil Separator, spray any degreaser or solvent through it and let it air dry. Clean it every 10,000 miles.

Thank you for your business. If you have any questions, please e-mail info@JLosc.com or call 757-842-6497. Our hours are Monday-Friday. 8:00am – 4:30pm Eastern Time.

J&L Oil Separator co. Lifetime Satisfaction Guarantee. We want you to be a J&L customer for life! Your new J&L product is warranted to be free from defects in materials and workmanship for the life of the *original retail purchaser*, subject to the limitations contained in our warranty found here. www.JLosc.com/warranty

We guarantee workmanship and even a pathway to discounted upgrades for substantially improved items.

Return Policy: All returns will be subject to a 10%-25% restocking fee. Please visit www.JLosc.com for complete return policy.

Disclaimer: J&L Oil Separator co. makes no warranties whatsoever, expressed, or implied, oral or written to any purchasers, except the warranty above. J&L Oil Separator co. hereby specifically excludes from any implied warranty of merchantability or implied warranty of incidental, secondary, or consequential damages of any kind whatsoever. All purchasers and users of products manufactured by J&L Oil Separator co. agree to hold harmless and indemnify J&L Oil Separator co. from any and all claims arising from their use. Failure to receive notice of any or the limitations contained in this disclaimer shall not serve to extend liability to J&L Oil Separator co. for any claims arising out of use of its products.