

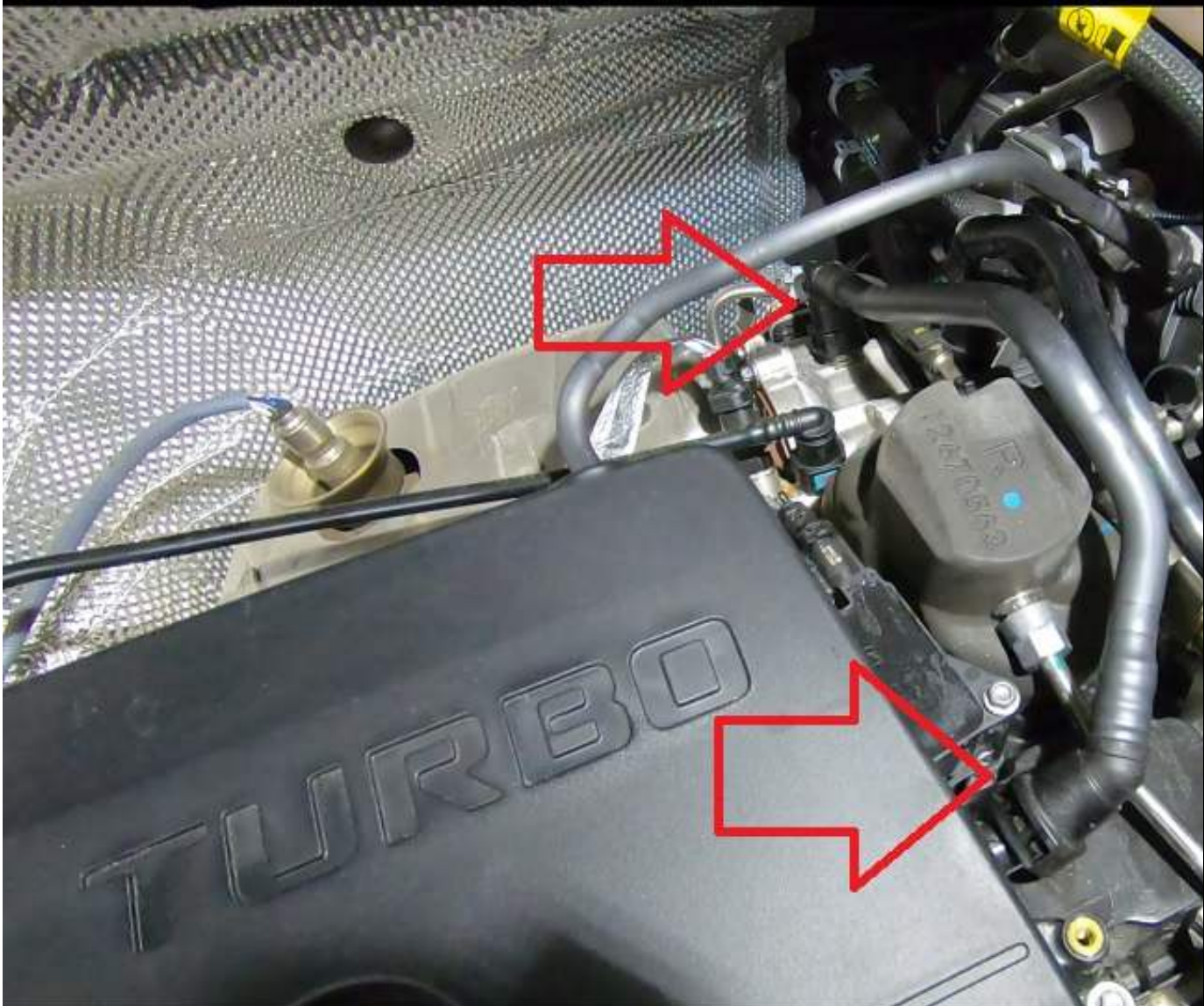


**757-842-6497**  
**WWW.JLOSC.COM**

**J&L 3.0 Oil Separator**  
**(2020-2023 Buick Encore GX 1.3L Turbo; 2021-2023 Chevy Trailblazer 1.3L Turbo Driver Side)**  
**#3090D**

**Install video available on our website [www.JLosc.com](http://www.JLosc.com)**  
**Search: 3090D and click videos**

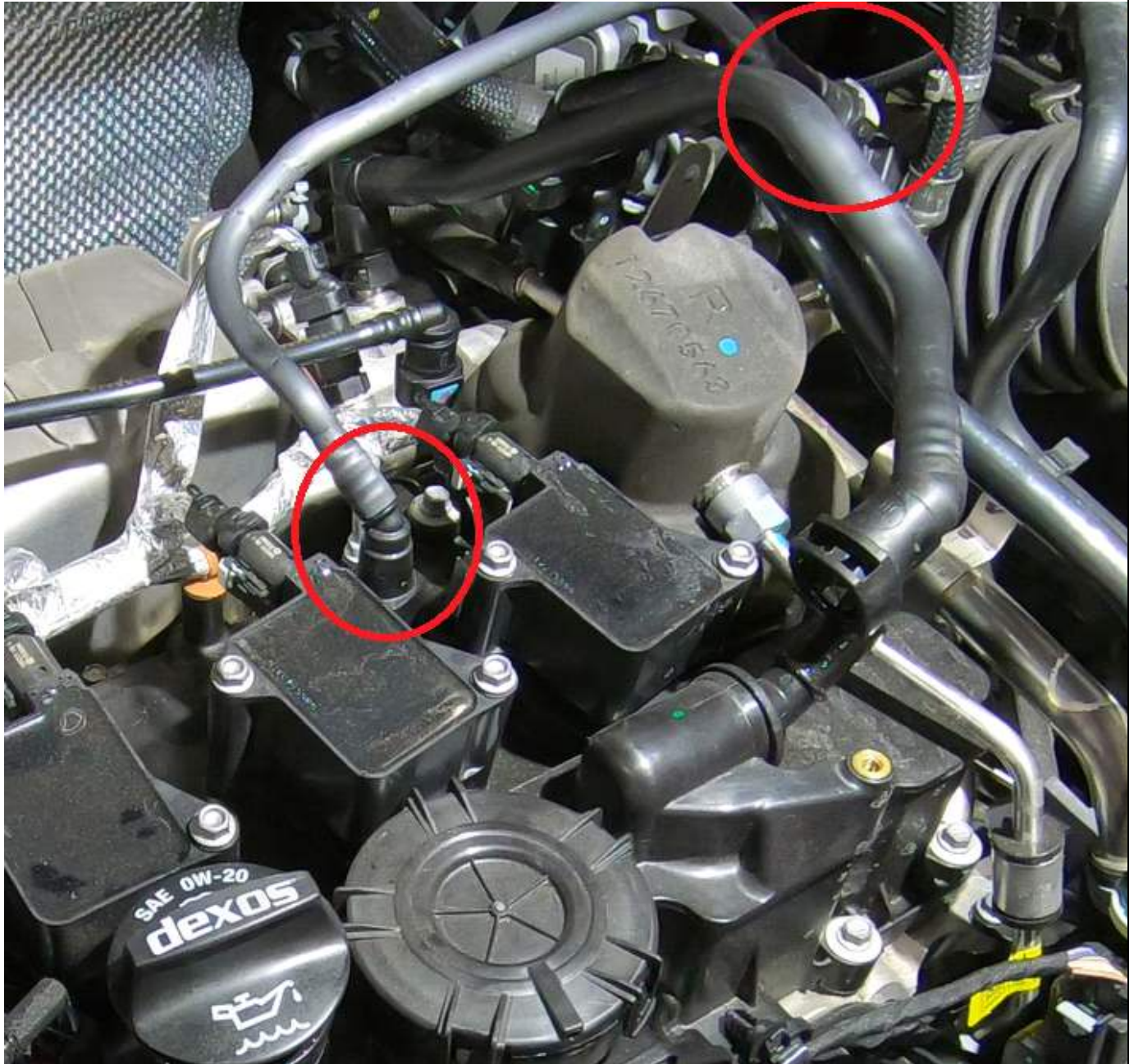
**Please review complete instructions prior to installing.**

<b>1</b>	<b>Verify you have all of the following parts included in the kit:</b> (1) J&L Oil Separator with hoses, (1) J&L Mounting bracket, (2) M4 screws, (1) M6x1.0 Bolt
<b>2</b>	<b>Gather all of the following tools needed for the installation:</b> T30 Torx, 10mm socket, extension, ratchet, Phillips screwdriver, small pick tool or flat screwdriver light oil/grease and Q-tip.
<b>3</b>	<p>Remove factory engine cover, by unscrewing the T30 torx bolt and oil fill cap.</p> <p>Locate factory PCV line going from the valve cover to the turbo.</p>  <p>The image shows a close-up of the engine bay. A silver mesh engine cover is visible on the left. A black plastic cover with the word 'TURBO' embossed on it is in the foreground. Two red arrows point to specific areas: one points to a grey hose connected to the turbocharger, and the other points to a metal fitting on the turbocharger housing.</p>

To remove the hose from the connections (we highly recommend watching the video for the greatest detail) there are 6 "teeth" that grab the connection. You have to use your pick tool to gently raise the clips over the barbed fitting they are being held by. You will need to raise 2-3 of them and then you should be able to wiggle the connection off by wiggling it back and forth while pulling upward. **Take your time, this requires patience!**



Disconnect the smaller breather line running from the center of the valve cover to the intake tube. To release these fittings, press the larger grey button inward and pull away from the connection.




5

With this hose removed it will allow you to pivot the PCV line towards the back of the engine to get better access to the fitting clips on the turbo. You can spin the line on the fittings to relieve pressure from the line too. Work the connection on the turbo off the same way as the valve cover.



6

7	Reinstall small breather line you removed, and you can now reinstall the engine cover you removed in step #1
8	<p>Mount J&amp;L Bracket to J&amp;L Oil Separator, by aligning the logos and using the supplied screws.</p> <p>Lubricate the O-rings inside the J&amp;L quick connect fittings with light grease or oil, this will help the new fittings slide into place easily.</p>
9	<p>Mount J&amp;L oil separator assembly to threaded brass insert on valve cover with the J&amp;L supplied bolt. Do not completely tighten the bolt yet.</p>  A close-up photograph of an engine's valve cover. A yellow brass insert is visible, which is circled in red. The insert is mounted on the valve cover. Various hoses and metal components are visible around the insert. The engine cover is a light grey color.
10	<p>Connect hose with straight fitting to the valve cover connection and connect hose with 45 degree fitting to the Turbo.</p> <p>Once hoses are connected, tighten bracket mounting bolt the rest of the way.</p> <p><b>NOTE:</b> If the quick connect fittings are not facing the correct direction you can move them by twisting them! They may be stiff to initially break free but they will rotate!</p>



Oil separator collection varies, we recommend checking the oil separator after 1000 miles of driving to get an idea of how fast your vehicle will fill it!

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](mailto:info@JLosc.com) or call 757-842-6497. Our hours are Monday-Friday, 8:00am – 4:30pm Eastern Time.

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

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