





BOSSVENT INSTALLATION GUIDE



BossVent Ford Ranger Super Duty (2025-on) 3.0L V6 Lion Diesel Oil Catch Can Kit

<p>1. BOSSVENT XL</p> 	<p>2. OUTLET HOSE</p> 	<p>3. INLET HOSE</p> 
<p>4. MOUNTING BRACKET</p> 	<p>5. OIL DRAIN KIT</p> 	<p>6. HARNESS KIT</p> 
<p>7. FASTENER KIT</p> 	<p>8. CABIN SWITCH</p> 	



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STEP 1

WARNING: Ensure engine is off and cool enough to work on!

Identify install area (driver's side of engine bay).



STEP 2

Locate the mounting location.



STEP 3

Locate the two mounting points.





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STEP 4

Install BOSSVENT bracket using 2x M8 bolts and spring washers to the BOSSVENT catch can, as shown.



STEP 5

Attach oil drain tube to BossVent drain port, firmly push tube into place and tighten nut. Feed the the oil drain tube down the drive's side wheel arch.



STEP 6

Attach BOSSVENT to the engine bay using fasteners provided.





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STEP 7

Remove crankcase breather hose shown.



STEP 8

Pull up on hose outer sleeve while pulling upward on the breather hose and remove as shown.



STEP 9

Repeat the step 8 for the other end of the breather hose, as shown.





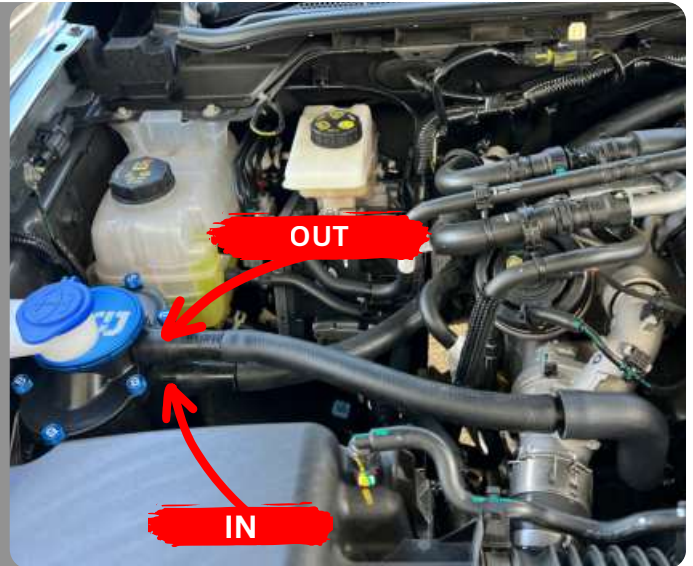
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STEP 10

Install INLET and OUTLET hoses to the BOSSVENT.

IMPORTANT:

Match IN to IN hose and OUT to OUT hose locations, as shown.

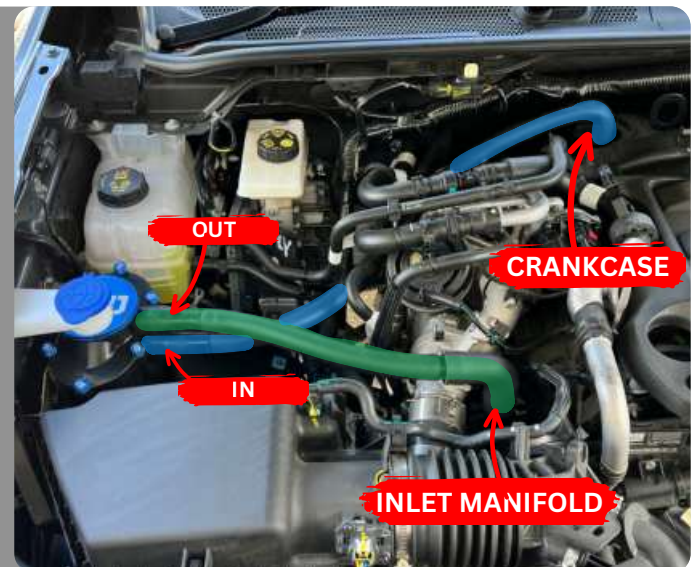


STEP 11

Route INLET / OUTLET hoses

- IN to the CRANKCASE
- OUT to the INLET MANIFOLD

Refer to markings on hoses as supplied in the kit



STEP 12



Refit all hose supports. Tighten all hose clamps, secure all hoses & ensure everything is secure and tidy.

Replace the engine cover.



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STEP 13

Guide the drain tube past the engine on the driver's side to the rear of the front right wheel arch for bracket installation.



STEP 14A

Trim tube to length using cutter provided.



STEP 14B

Push clear tubing firmly onto BossVent drain tap. Ensure the tap is turned off as shown.





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STEP 14C

Insert dust plug into end of tap.



STEP 14D

Using zip ties provided secure drain tap and drain hose to chassis rails or similar ensuring the tap and hose are out of the way of the wheels and moving suspension components



STEP 15 - DRAINING

Pull back locking collar and withdraw dust plug before draining the catch can.

Turn tap through 90 degrees to drain.
Return tap to the position shown above and replace dust plug after draining.





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STEP 16

Route the wiring harness around the engine, from the BossVent catch can to the passenger's side where the grommet is located.



STEP 17

From the engine bay passenger's side pass the small plug and spade terminals through the firewall grommet to the passenger's side footwell.



STEP 18

Pull cable through grommet and connect engine bay side plug into the BossVent plug as shown.





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STEP 19

Route wiring harness under dash to the cigarette lighter or accessory power and zip tie into place.



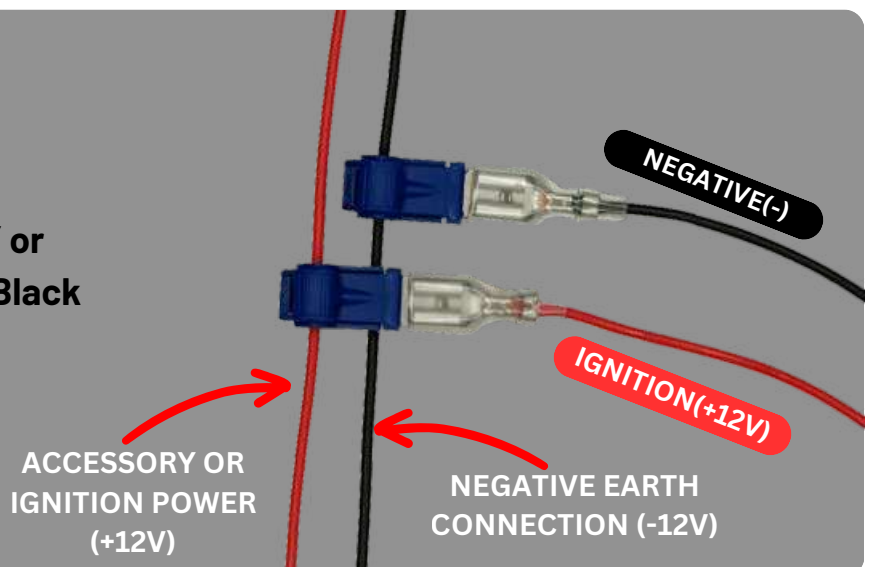
STEP 20

Identify location of accessory (or ignition) power or other after market accessories that may be connected to accessory power.



STEP 21

Using Scotchlok terminals connect +12V to ACCESSORY or IGNITION POWER (+12V) and Black -12V to NEGATIVE EARTH CONNECTION (-).





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STEP 22

Clean the surface, place switch where is visible while you are driving. Use zip ties to tidy up loose cables and wiring harness.



STEP 23

Start the engine and inspect for leaks or loose ends.

HOSES MUST HAVE NO KINKS OR OBSTRUCTIONS.



YOU'RE GOOD TO GO, MATE!












BOSSVENT

IN-CABIN INDICATOR LIGHT STATUS

ONLINE VERSION



	<p><u>IGNITION TURNED ON</u> <i>Light will flash twice</i></p> <p><u>Status:</u> Your catch can is being continuously monitored</p>	
	<p><u>NO LIGHT FLASH</u></p> <p><u>Status:</u> No maintenance required</p>	
	<p><u>1 FLASH PER SECOND</u></p> <p><u>Status:</u> Drain oil required!</p>	
	<p><u>2 FLASHES PER SECOND</u></p> <p><u>Status:</u> Replace filter elements required!</p>	

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BV205-LM-001A



DRAIN OIL

Remove the red oil dust cap and open the tap.

Let the oil drain from your catch can.

Close the tap when oil stops and make sure you place the dust cap back once you finished.

[Click here for video instructions.](#)



REPLACE FILTERS

Open the catch can, twisting all 6 thumbs screws.

Clean the sensor with some cloth.

Lubricate the new filters o-rings with some oil before inserting.

Changing the filter is easy. No tools are required!

YOU'RE GOOD TO GO, MATE!

