

INSTALLATION GUIDE



# Bypass Oil Filter Kit

2013–2018 Dodge/Ram 6.7L Cummins





# DISCLAIMER

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1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.

2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering in-operative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.

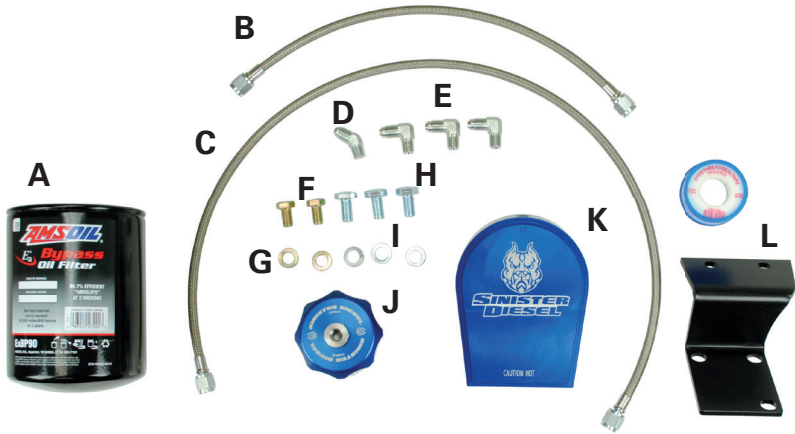
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PART:	DESCRIPTION:	QTY:
A	Amsoil Bypass Oil Filter EaBP-90	1
B	Short Hose Assembly	1
C	Long Hose Assembly	1
D	45° 1/8" NPT Fitting	1
E	90° 1/8" NPT Fitting	3
F	3/8" Hex Bolt	2
G	3/8" Lock Washer	2
H	M10 Bolt	3
I	M10 Lock Washer	3
J	Sinister Diesel Oil Fill Cap w/ Return Fitting	1
K	Sinister Diesel Oil Filter Block	1
L	Mounting Bracket	1
M	Teflon Tape	1

**IMPORTANT: READ ALL INSTRUCTIONS PRIOR TO INSTALL.** Prior to installation, please compare the parts that you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation.





**CAUTION !!!** Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

**IMPORTANT:** We highly recommend changing your oil at the time of install. If doing so, do not re-fill oil system until installation is complete.

- 1 Remove the factory plastic engine cover using an 8mm socket. Note, the dipstick must be removed before cover can be taken off. (Image 1)



IMAGE 1

- 2 Remove the "L" shaped bracket holding the upper radiator hose to the cylinder head using a 16mm and 10mm socket/wrench. (Image 2)

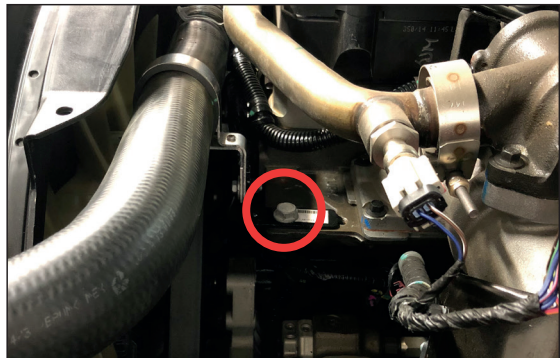


IMAGE 2

- 3 Install the new oil filter mount bracket in place of the previously removed bracket. Install with supplied hardware items: H, I, & L. You will need an 8mm Allen socket to install. (Image 3)



IMAGE 3

4 Disconnect the factory sensors from the intake air box. Remove the air box and tube connected to the turbo. Use a 10mm and 8mm socket to remove box. (Image 4)

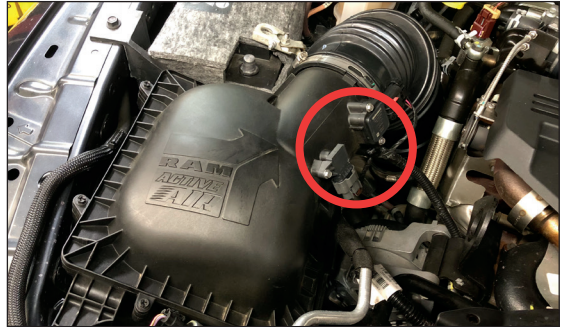


IMAGE 4

5 Now that you have access to the oil filter housing, remove the 1/8" NPT plug using a 7/16" wrench and replace with 45° fitting (Item D). There is a coolant line that may need to be removed for clearance. (Image 5)

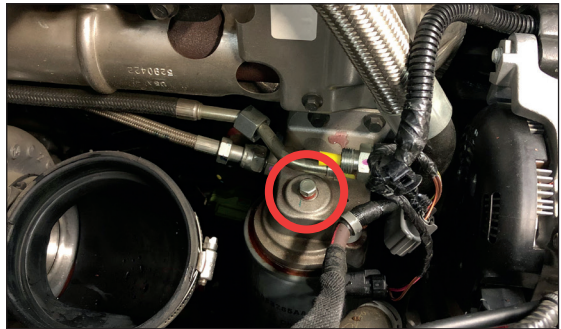


IMAGE 5

6 The longer oil line (Item C) can now be attached at the fitting in the factory filter housing and routed up and over the cylinder head. (Image 6)



IMAGE 6

7 You can now pre-assemble the new Sinister filter block using Items K & E. Note the orientation of the fittings, use Teflon tape on ends going into block (Image 7). Then attach it to the bracket previously installed using a 9/16" wrench and items F & G (Image 8)



IMAGE 7

8 The oil line previously installed can now be attached to the inlet fitting on the filter block. (Image 8)

- 9** With the oil line routed on the front side of the valve cover, you can now attach the plastic engine cover using the previously removed bolts and an 8mm socket. Note, the cover will hold the oil line from moving. (Image 9)



IMAGE 8

- 10** Replace the oil fill cap with the new Sinister bypass cap, then attach the shorter braided line from the filter block to the cap. Items B, J & E. (Image 10)



IMAGE 9

- 11** Fill the Amsoil filter (Item A) with approx. 1 quart of your preferred oil and attach to filter block.

- 12** Ensure the oil system is filled to factory specifications. Check for leaks.

- 13** Start the engine and check for leaks. After running the vehicle check oil level and add oil as necessary.



IMAGE 10

**Installation of your Sinister Diesel Oil Filter Bypass Kit is now complete.**



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