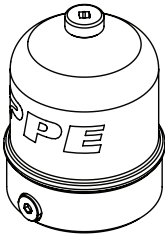
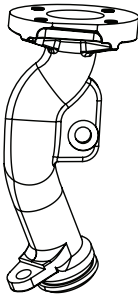
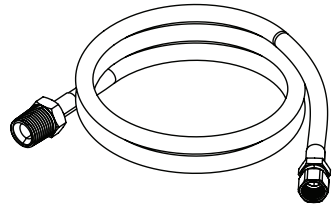
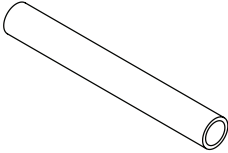
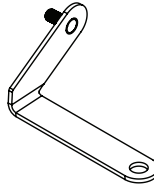


Oil Centrifuge Filtration Kit

2001-2010 GM Duramax 6.6L

(114010200)

Installation Guide

A**B****C****D****E****F****G****H****I****J****K****L**

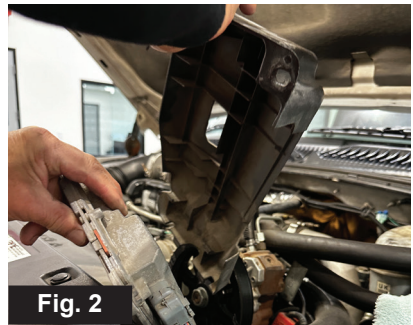
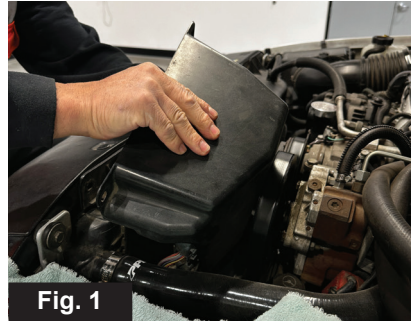
CONTENTS

- A. (1) Oil Centrifuge Assembly
- B. (1) Oil Filler Tube Pedestal
- C. (1) Oil Feed Line
- D. (1) Heat Sleeve
- E. (1) 90 Deg Fitting
- F. (1) Straight Fitting w/ O-Ring
- G. (1) O-Ring, Centrifuge to Pedestal
- H. (1) O-Ring, Pedestal to Engine
- I. (4) M8-1.25X20mmL Flange Bolt
- J. (4) M8 Compound Washer
- K. (1) *Fan Shroud Bracket
- L. (1) *M8-1.25 Flange Nut

*applies to 2006-2010 model years

INSTALLATION

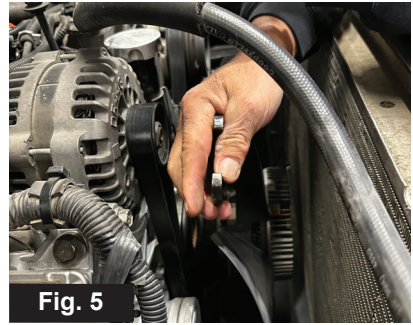
1. *Applies to 2001-2005 model years. Remove the PCM cover. Remove the PCM from the fan shroud then rotate it out of the way (**Fig. 1 & 2**)



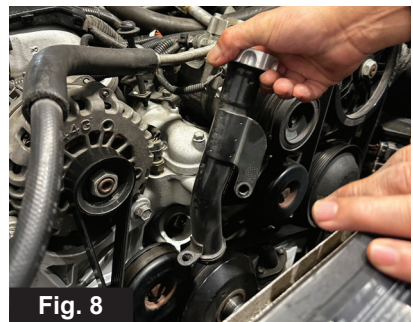
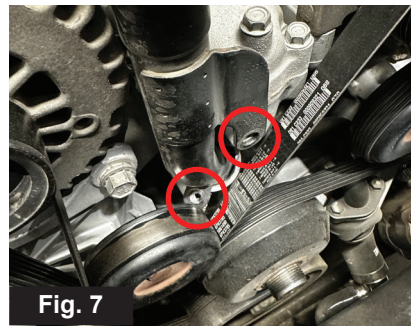
2. Remove the upper fan shroud. (**Fig. 3 & 4**)



3. Loosen the radiator fan nut then remove the fan. (Fig. 5 & 6)



4. Remove the two bolts securing the factory oil filler tube, then remove it. (Fig. 7 & 8)



5. Install the O-Ring (G) into the groove at the bottom of the Oil Centrifuge Assembly (A). (Fig. 9)



Fig. 9

6. Install the O-Ring (H) into the groove at the bottom of the Oil Filler Tube Pedestal (B). (Fig. 10)



Fig. 10

7. Loosen the nut on top of the Oil Centrifuge Assembly (A) then turn to separate the centrifuge cover from the base. (Fig. 11) Note: There is a retaining clip on the inside of the centrifuge cover. Be careful not to forcefully remove the nut.



Fig. 11

8. Install the Flange Bolt (I) & Compound Washer (J) to secure the centrifuge assembly base to the Oil Filler Tube Pedestal (B). Be careful not to overtighten to prevent damage to the threads. (Fig. 12)



Fig. 12

9. Install the Straight Fitting w/ O-Ring (F) into the centrifuge assembly base. (Fig. 13)



Fig. 13

10. Install the oil filler pedestal base onto the engine. (Fig. 14)



Fig. 14

11. Loosen the belt tensioner and move the serpentine belt out of the way. Remove the pulley to gain clearance to fit a tool to tighten the bolt. (Fig. 15 & 16)



Fig. 15

12. Reinstall the serpentine belt and pulley. Remove the front driver's side wheel fender liner.



Fig. 16

13. From under the vehicle, remove the engine oil filter and set it aside. **(Fig. 17)**



14. On the side of the engine oil cooler, locate and remove the NPT plug. **(Fig. 18)**



15. Apply teflon onto the male NPT threads on the 90 Deg Fitting (E). **(Fig. 19)**



16. Install the 90 Deg Fitting (E) onto the engine oil cooler. See **(Fig. 20)** for the correct orientation.



17. If equipped, remove the intake tube resonator. Route the Oil Feed Line (C) to the oil centrifuge assembly. Leave the hose connector loose. (Fig. 21 & 22)



18. Through the front driver side wheel well, install the Heat Sleeve (D) over the Oil Feed Line (C). (Fig. 23)



19. Finish routing the oil feed line to the engine oil cooler. Tighten the hose on the 90 Deg fitting (E). (Fig. 24) Slide the heat sleeve onto the fitting and secure the sleeve with a zip tie. (Fig. 25)



Fig. 24



Fig. 25

20. Tighten the oil feed line (C) onto the oil centrifuge assembly. (Fig. 26)



Fig. 26

21. Install the centrifuge rotor assembly. **(Fig. 27)**



22. Reinstall the centrifuge cover. Tighten the nut and torque to 40 in-lb. **(Fig. 28)** Do not overtighten.



23. *Applies to 2006-2010 model years. Install the Fan Shroud Bracket **(K)** and M8 Flange Nut **(L)**. **(Fig. 29)**



Installation Complete

MAINTENANCE SERVICE/ASSEMBLY GUIDE

1. Loosen the nut (**Fig. 1**) and carefully remove the oil centrifuge cover. (**Fig. 2**) Do not forcefully separate the nut from the centrifuge cover.



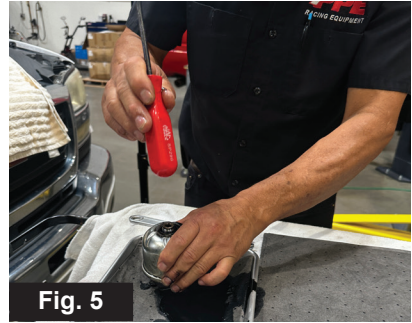
2. Remove the centrifuge rotor assembly. (**Fig. 3**)



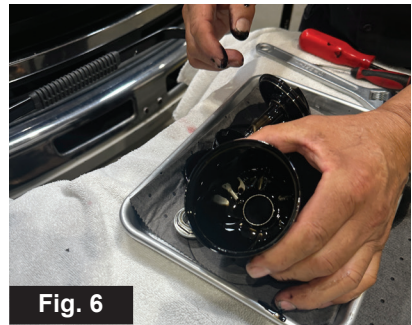
3. Remove the rotor nut. (**Fig. 4**)



4. Lightly tap on the shaft to separate the rotor components (Fig. 5)



5. Clean the inner rotor wall of the centrifuge housing of all debris and contaminants. (Fig. 6 & 7)



6. Clean the rest of the components before reassembly. (Fig. 8)



7. Reinstall the oil centrifuge in this order.
 - a. O-Ring (**Fig. 9**)
 - b. Plastic Drain Back (**Fig. 10**)
 - c. Centrifuge Rotor Housing (**Fig. 11**)
 - d. Centrifuge Rotor Nut (**Fig. 12**)



8. Place the rotor assembly back onto the base and install the centrifuge cover. Tighten to 40 in-lb. (Fig. 13 & 14)



Maintenance Completed

DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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