

IPS - Installation Instruction for Viper Oil Pan Baffle Kit

WARNING

Modification of your vehicle with the parts identified on this sheet may alter its stock performance; the buyer hereby expressly assumes all risks associated with any such modification.

DISCLAIMER OF WARRANTY

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Drain oil and remove oil pan as per shop manual, 8.0L Engine 9-31.

1. Disconnect negative battery cable.
2. Raise vehicle. Drain engine oil.
3. Remove oil pan screws and remove pan.

Take care in removing the oil pan gasket. It is designed to be re-used (note the anti-crush sleeves in all the bolt holes).

With the pan off the car, remove the factory installed oil pan baffle.

You should now be looking at something like Figure 1. Before continuing, you might want to consider either polishing the interior of the pan or seal-coating it to promote oil draining back to the pickup instead of clinging onto the rough pan walls.

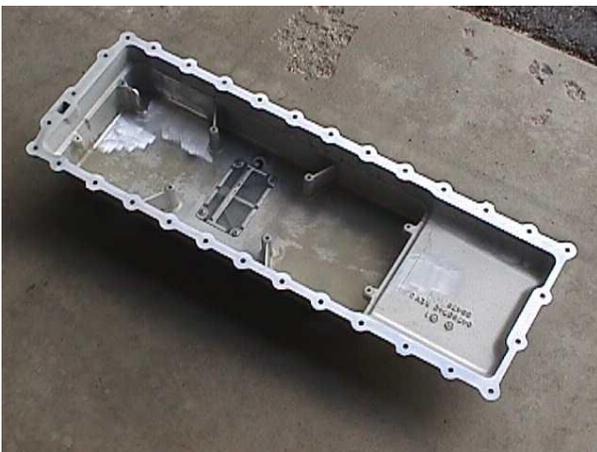


Figure 1.

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You should have the following parts, two hinged center baffles, and a Top plate.

Now, place the hinged baffles in the center of the pan, with the trap doors to the center of the pan as in Figure 2. Make sure you install the gate with the “Front” on it toward the front of the pan (Dip Stick end). The Gate with the “Rear” on it goes to the rear of the pan.

Note: if installing Gates on a 2000 – 2002 (10Qt Pan) you will need to file the top edge of the Pan Bosses Front and Rear as shown (Black Marks) in Figure 3, to insure the Gate plate sits down flat on the bosses. This will require only taking about .06 (1/16) off to make this flat.

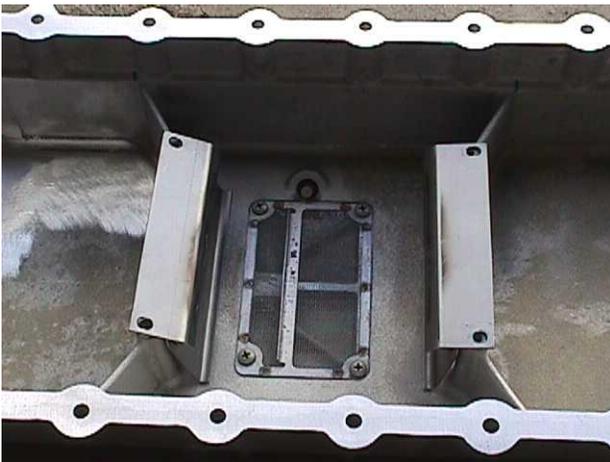


Figure 2

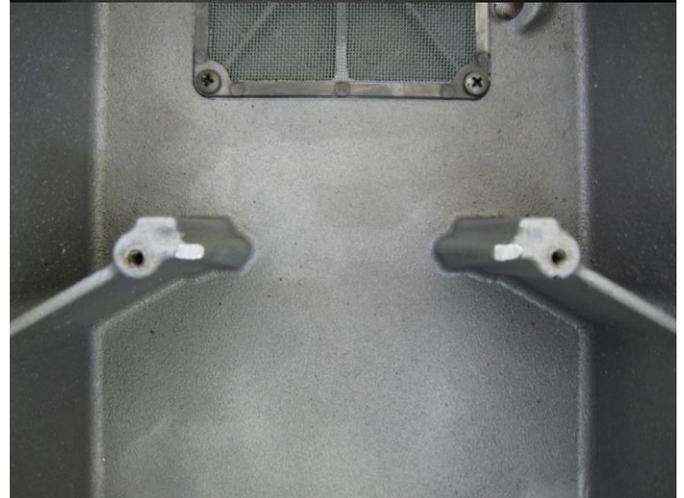


Figure 3



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Now place the Top plate over the hinged baffles, note the oil dipstick hole should be aligned over the pan dipstick pocket. Also note the hinged baffles have curved sections that should be facing down (as in Figure 4) that act as both scrapers and prevent the baffles from becoming stuck in the “open” position. (Note screws in figure 4 are only installed to show placement of baffles – do not install screws at this time.)

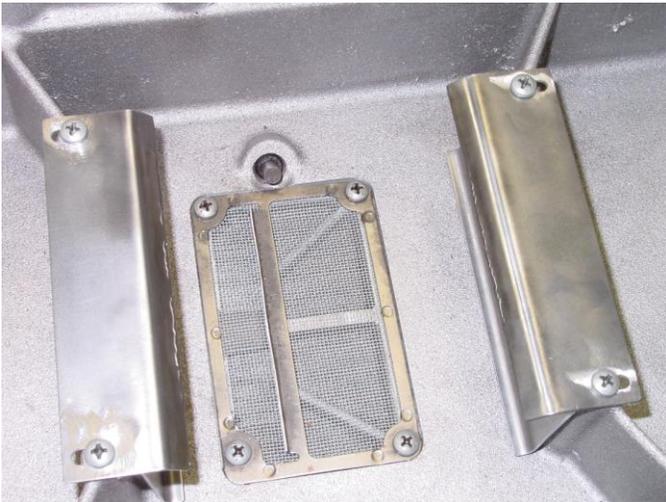


Figure 4.

Apply a dab of Loctite to each of the 8 screws and start all 8 holes securing the Top plate to the oil pan, but do not tighten just yet. Apply some pressure to the hinged baffle from the center of the pan outward, forcing the door against the bosses cast in the pan, which act as the stoppers and seal the central area. Make sure the door swing freely, both front and rear, tighten screws securely. If the gates do not swing freely, you may need to grind a little off the lower edge for clearance. **Note: Check to make sure the Front Gate swings free and clears the two front screen screws shown in Figure 5. below.**

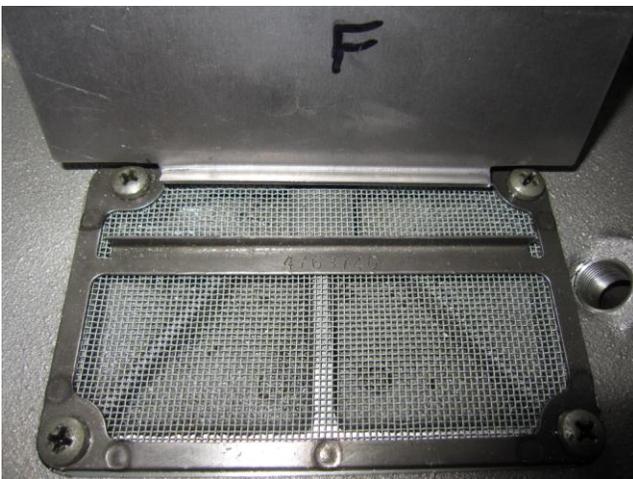


Figure 5.

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Your pan should now look like Figure 6 and is ready to re-install.



Figure 6.

According to the service manual, 8.0L Engine 9-31:

1. Use a new pan gasket, if necessary. (About \$100 if necessary, so be careful!)
2. Install pan and tighten screws to 11Nm (95 in-lbs).
3. Lower vehicle and connect negative battery cable.
4. Fill crankcase with oil to proper level.

Thanks again for purchasing our oil pan baffle system. If you have any questions or problems, please do not hesitate to contact us:

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