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K&N 57-2556 Installation Instructions

Cold Air Intake for Ford F-150 & Expedition (2004-2008)

Part number: 57-2556

trailfortress.com/k-n-performance-air-intake-system-57-2556

Scan for fitment, price and install help

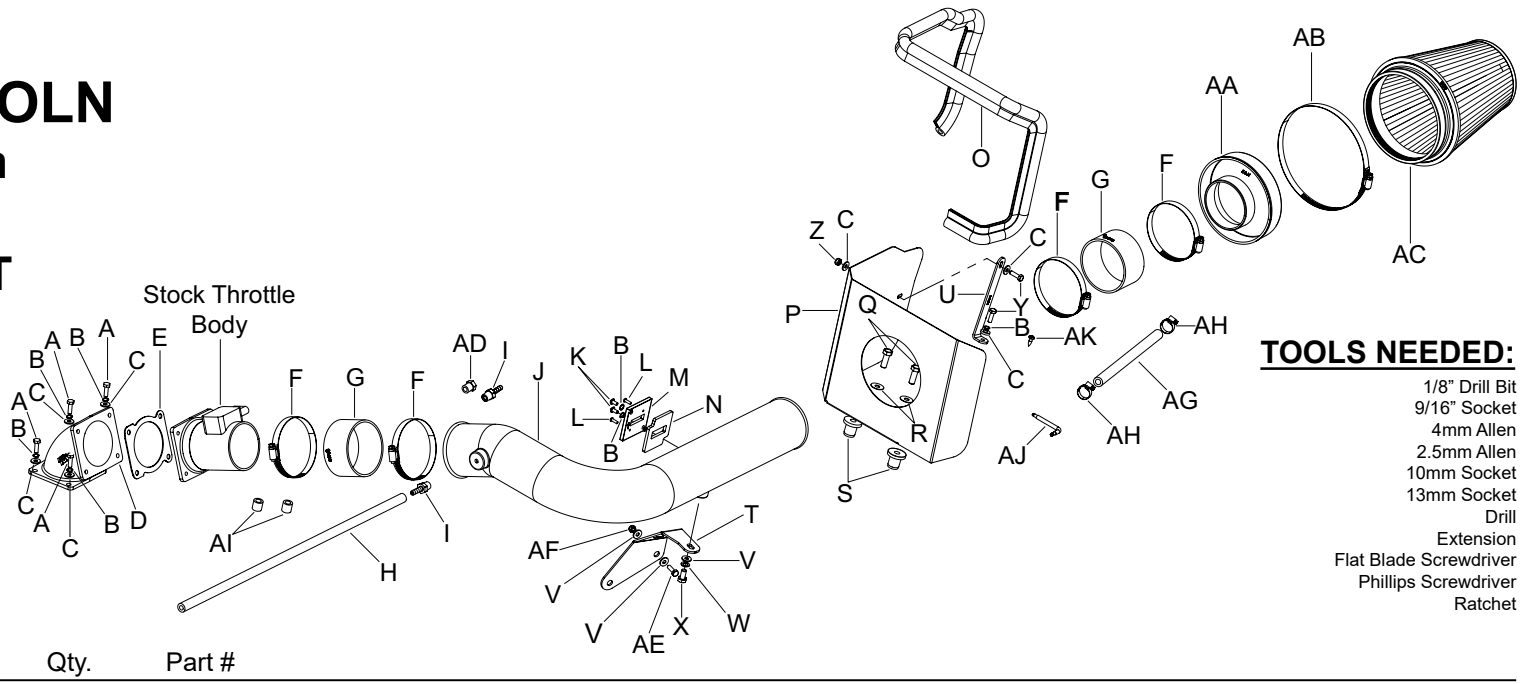
FUEL INJECTION PERFORMANCE KIT
FIPK GENERATION II™

INTAKE SYSTEMS FOR VEHICLES LISTED ARE 50 STATE LEGAL. SEE KNFILTERS.COM FOR CARB STATUS ON EACH PART FOR A SPECIFIC VEHICLE.

INSTALLATION INSTRUCTIONS

57-2556
FORD / LINCOLN
2005 Expedition
2004-08 F-150
2006-08 Mark LT
V8-5.4L

NOTE: This kit was not designed to fit vehicles with a body lift.



TOOLS NEEDED:

1/8” Drill Bit
9/16” Socket
4mm Allen
2.5mm Allen
10mm Socket
13mm Socket
Drill
Extension
Flat Blade Screwdriver
Phillips Screwdriver
Ratchet

PARTS LIST:

	Description	Qty.	Part #		Description	Qty.	Part #		Description	Qty.	Part #
A	Bolt; M6-1.00 x 20mm Hex	4	07865	N	Gasket 3/16”	1	09069	AA	Adapter #380	1	21512
B	Washer 1/4” Split Lock	7	08198	O	Edge Trim 55” L	1	102480A	AB	Hose Clamp #104	1	08697
C	Washer 1/4” ID x 5/8” OD	7	08275	P	Heat Shield	1	074021A	AC	Air Filter	1	RU-1020
D	Adapter #430	1	21516	Q	Bolt; 3/8-16 x 1 1/4 Hex head	2	07779	AD	NPT 1/4” Plug	1	08032
E	Gasket 1/16”	1	09070	R	Washer; 3/8”ID Flat	2	08134	AE	Bolt; 8mm-1.25 x 35mm	1	07784
F	Hose Clamp #56	4	08620	S	Insert; 3/8-16 X 3/4 X 15/16L	2	08163	AF	Nut; 8mm Nylock	1	07542
G	Hose; 3.5”ID X 2”L	2	08630	T	Bracket “C”	1	070118A	AG	Hose; 3/8” x 30” Silicone	1	08614A
H	Hose; 8MM ID X 24”L	1	08403	U	Bracket “L”	1	070026A	AH	Hose Clamp; #6 Mini	2	08407
I	Vent; Strt, 3/8” Hose, 1/4 NPT	2	08047	V	Washer; 5/16’ ID x 5/8”OD	3	08276	AI	Spacer; .625”ODx.375”IDx.625”L, ZN	2	07849
J	Intake Tube (FH)	1	087178A	W	Washer; 8mm Spring (wave)	1	08239	AJ	Wrench; Torx T20	1	69801
K	Bolt; M6 x 1 x16mm B/H/A	2	07730	X	Bolt; 8mm-1.25x16mm	1	07844	AK	Screw; #12 Sheet Metal 5/8”L	1	07788
L	Bolt; M4-.7x12mm, B/H/A	2	07726	Y	Bolt; 6mm-1.00 x 12mm	2	07863				
M	Adapter #420	1	21515-1	Z	Nut; M6 Nylock	1	07553				

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

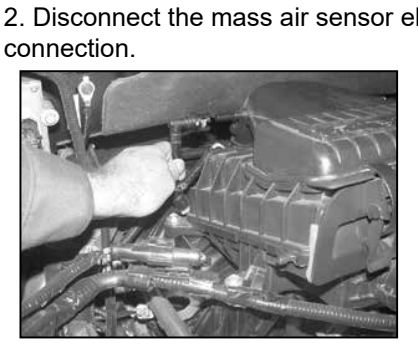
NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.

TO START:

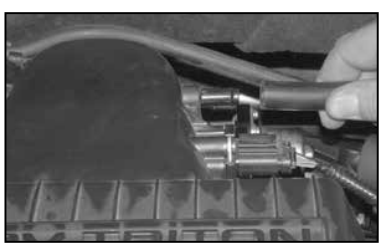
1. Turn off the ignition and disconnect the negative battery cable.
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner’s manual. In the event your vehicles’ anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.



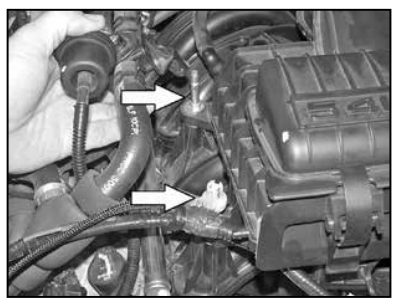
2. Disconnect the mass air sensor electrical connection.



3. Rotate the crank case vent hose locking ring and pull the crank case vent hose off of the air filter housing. Unhook wiring harness retaining clip from the air box.



3a. On vehicles equipped, disconnect the brake booster vent line from the air filter housing as shown.



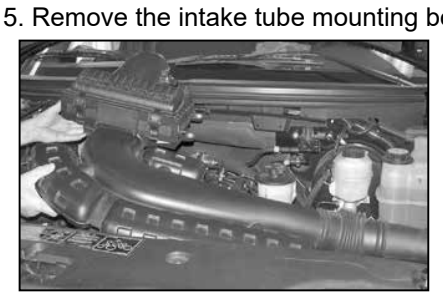
3b. Pull up on the heater control valve and wiring harness mounting clips to unhook them from the air box mounting studs as shown.



4. Remove the four air box mounting bolts shown with a 10mm socket.



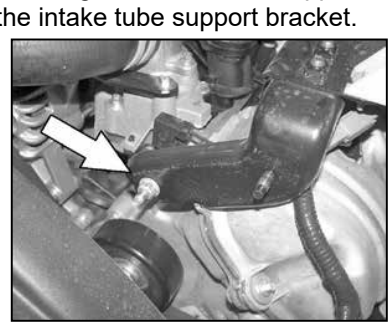
5. Remove the intake tube mounting bolt shown.



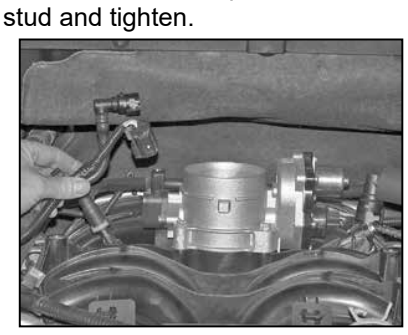
6. Remove the entire intake tube & air filter assembly from the vehicle.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



7. On vehicles that are equipped with the intake tube support bracket, remove the two 13mm nuts securing the intake tube support bracket, remove the intake tube support bracket.



8. On vehicles that are equipped with the intake tube support bracket, reinstall one of the 13mm nuts removed in step #7 onto the lower mounting stud and tighten.



9. Disconnect the TPS sensor electrical connection from the throttle body.

10. Remove the four 10mm bolts retaining the throttle body to the intake manifold.

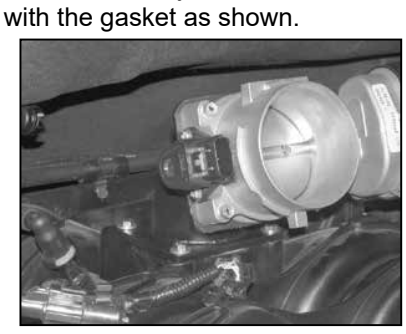
Continued INSTALLATION INSTRUCTIONS



11. Lift the throttle body from the intake manifold and disconnect throttle body motor electrical connection.
NOTE: Use caution to avoid dropping debris down the intake manifold throat.



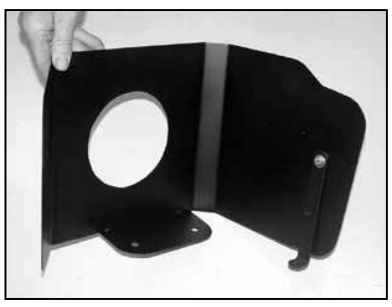
12. Using the bolts removed in step #10, secure the throttle body to the K&N® throttle body adapter with the gasket as shown.



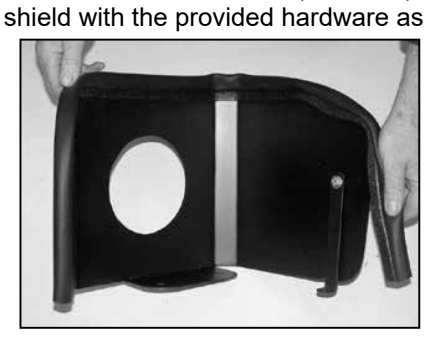
13. Install the throttle body assembly onto the intake manifold with the hardware provided as shown.



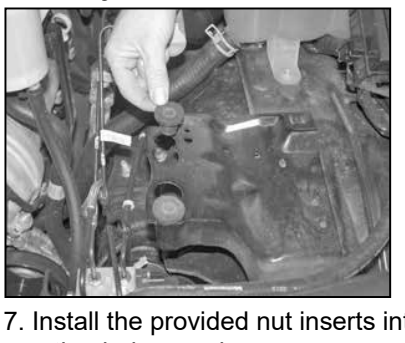
14. Reconnect the throttle body motor and the TPS electrical connection.



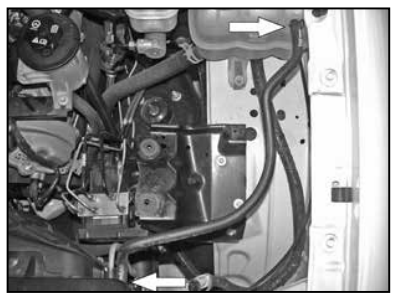
15. Install the “L” bracket (#070026) onto the heatshield with the provided hardware as shown.



16. Install the edge trim onto the heatshield as shown.
NOTE: Some trimming of the edge trim may be necessary.



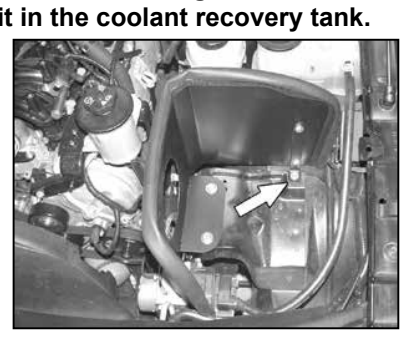
17. Install the provided nut inserts into the air box mounting holes as shown.



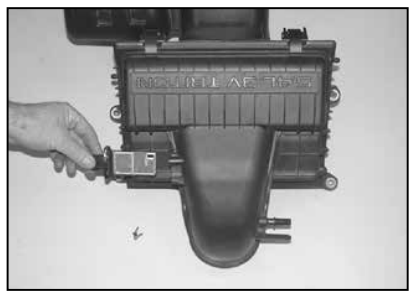
17a. Loosen the coolant recovery hose, hose clamps, and then remove the factory recovery hose shown. Be sure to catch any coolant, which flows out of the radiator during hose removal.
NOTE: Be sure to let the engine cool completely before removing the overflow hose or hot coolant will escape from the radiator and injury or damage may result.



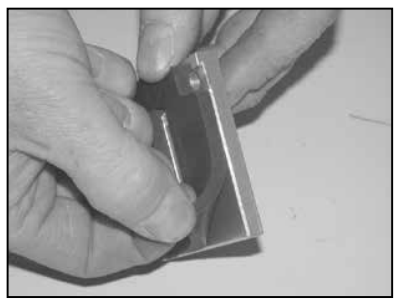
17b. Install the supplied coolant recovery hose and secure with the provided hose clamps.
NOTE: Be sure to replace the coolant that was recovered during hose removal by replenishing it in the coolant recovery tank.



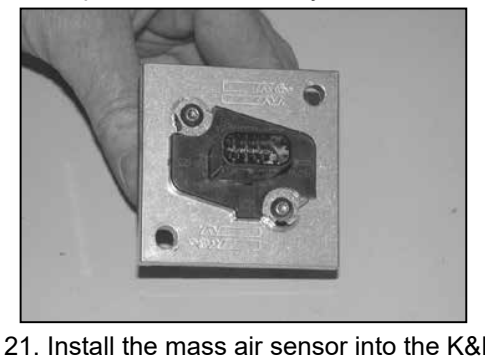
18. Install the heatshield as shown and secure with the provided hardware.
NOTE: Due to manufacture inconsistencies, some vehicles may not be equipped with the threaded hole in the factory filter mounting plate. It will be necessary to drill a 1/8” hole in the air filter mounting plate and attach the heat shield bracket with the provided sheet metal screw.



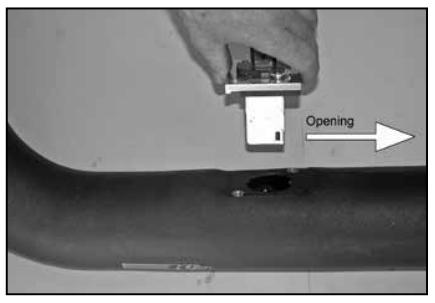
19. Remove the two screws that secure the mass air sensor to the air box with the provided wrench, then remove the mass air sensor.



20. Install the provided gasket onto the K&N® mass air adapter as shown; sticky side down.



21. Install the mass air sensor into the K&N® mass air adapter as shown and secure with the provided hardware.



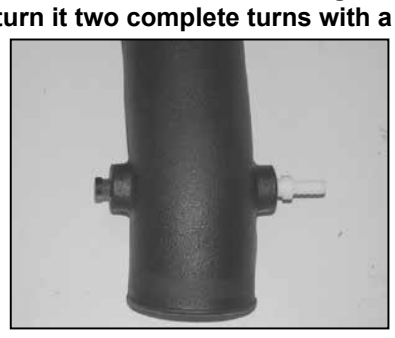
22. Install the mass air sensor assembly into the K&N® intake tube.
NOTE: Make sure the open end of the mass air sensor is towards the filter end of the tube.



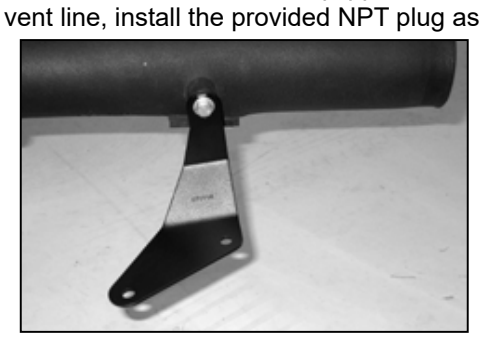
23. Secure the mass air sensor assembly onto the K&N® intake tube with the provided hardware as shown.



24. Install the provided NPT fittings into the intake tube as shown.
NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting “hand” tight, then turn it two complete turns with a wrench.



24a. On vehicles that are equipped with only one vent line, install the provided NPT plug as shown.



25. Install the tube mounting bracket (070118) onto the K&N® intake tube as shown with the provided hardware.



26. Install silicone hose (#08630) onto the throttle body with the provided hose clamps as shown.

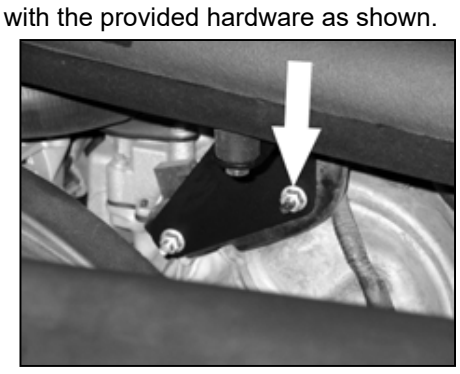


27. Install the K&N® intake tube into the silicone hose and then tighten the provided hose clamp.

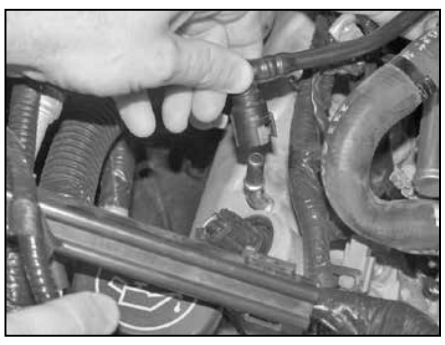
Continued INSTALLATION INSTRUCTIONS



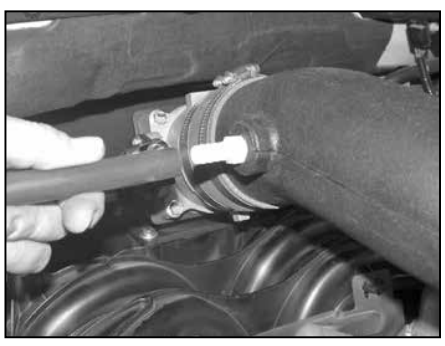
28. Connect the K&N® intake tube to the bracket with the provided hardware as shown.



28a. On vehicles not equipped with the factory intake tube support bracket, it is necessary to use the supplied 8mm bolt, washers and nut to secure the tube mounting bracket to the engine bracket as shown.



29. Unlock the crank case vent hose and remove the hose from the valve cover.



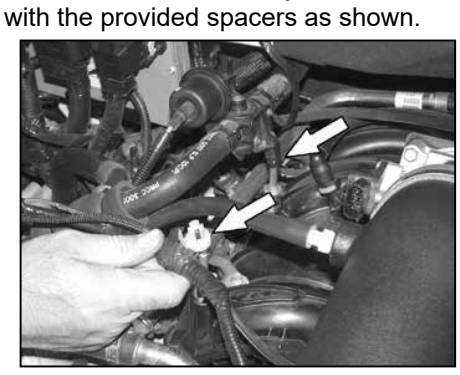
30. Install the provided silicone vent hose onto the valve cover and onto the K&N® intake tube as shown.



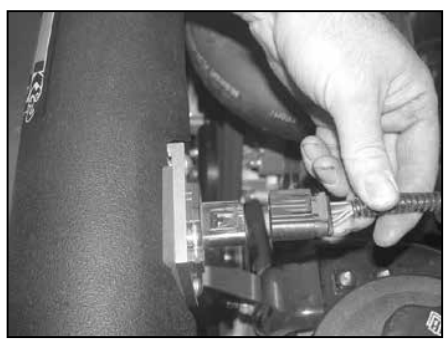
30a. On vehicles equipped, attach the factory brake booster vent hose to the K&N® intake tube as shown.



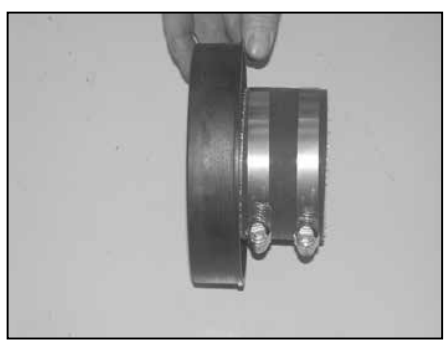
30b. Re-install the factory air box mounting studs with the provided spacers as shown.



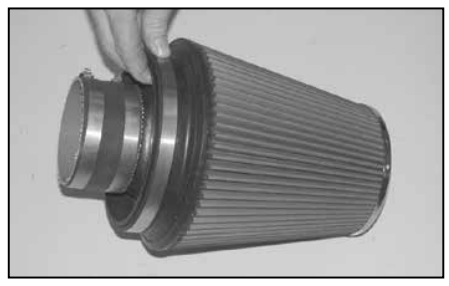
30c. Re-install the heater control valve and wiring harness mounting clips onto the air box mounting studs as shown.



31. Reconnect the mass air sensor electrical connection.



32. Install the silicone hose (#08630) onto the K&N® filter adapter and secure with the provided hose clamp as shown.



33. Install the adapter assembly into the K&N® air filter as shown.



34. Install the K&N® air filter assembly onto the K&N® intake tube as shown and secure with the provided hose clamp.

35. Reconnect the vehicle's negative battery cable. Double check to make sure everything is tight and properly positioned before starting the vehicle.

36. The C.A.R.B. exemption sticker, (attached), must be visible under the hood, so the emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

37. It will be necessary for all K&N® high flow intake systems to be checked periodically for realignment, clearance and tightening of all connections. Failure to follow the above instructions or proper maintenance may void warranty.

ROAD TESTING:

1. Start the engine with the transmission in neutral or park, and the parking brake engaged. Listen for air leaks or odd noises. For air leaks secure hoses and connections. For odd noises, find cause and repair before proceeding. This kit will function identically to the factory system except for being louder and much more responsive.

2. Test drive the vehicle. Listen for odd noises or rattles and fix as necessary.

3. If road test is fine, you can now enjoy the added power and performance from your kit.

4. K&N Engineering, Inc., requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean and re-oil, purchase our filter Recharger® service kit, part number 99-5050 or 99-5000 and follow the easy instructions.

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