



FUEL INJECTION PERFORMANCE KIT
FIPK

GENERATION II™

INSTALLATION INSTRUCTIONS

57-2514-4

Ford / Lincoln

1997-02 F-Series V8-4.6L, 5.4L

Except Super Duty

1997-02 Expedition V8-4.6L, 5.4L

1998-99 Navigator V8-5.4L SOHC

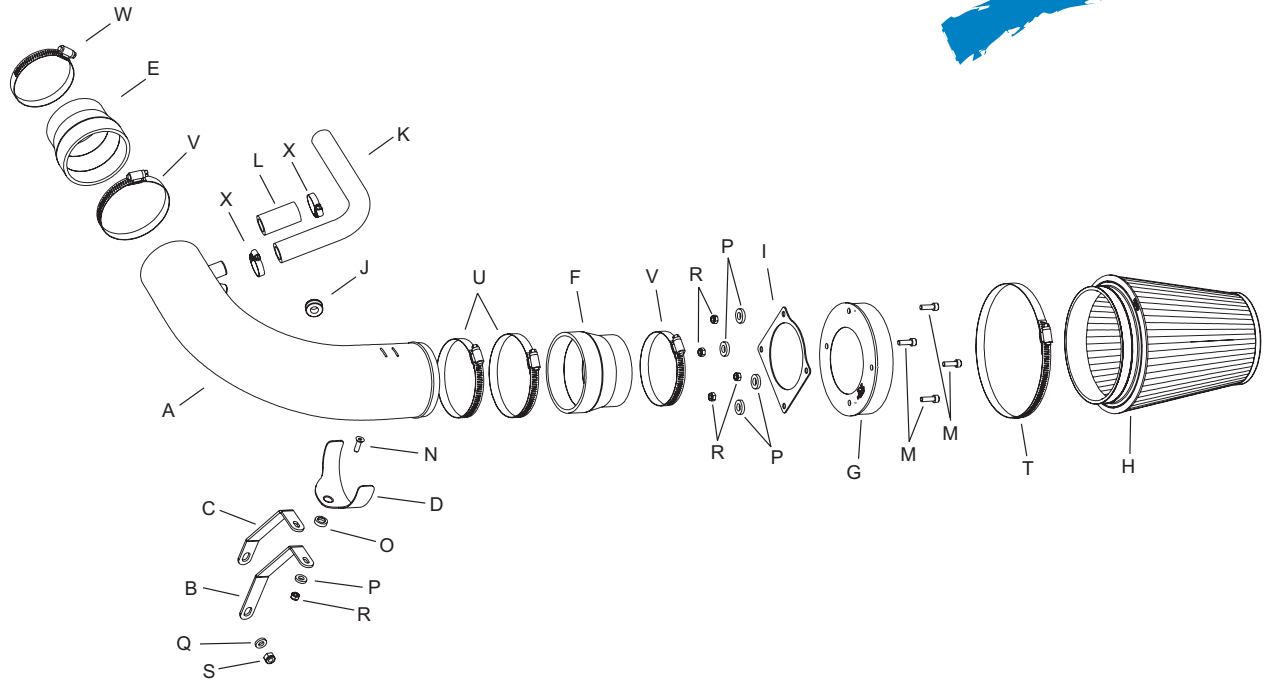
NOTE: This kit was not designed to fit vehicles with a body lift.

TOOLS NEEDED:

Pair of pliers
Pair of vise grips
13mm wrench
Ratchet
long socket extension
10mm socket
7/16" socket
Flat blade screwdriver
Hack saw

PARTS LIST:

Desc.	Qty.	Part#	Desc.	Qty.	Part#	Desc.	Qty.	Part#
A. Intake tube	1	08864	G. Mass air adapter	1	08854	M. 6mm allen bolt	4	07852
B. Long "L" bracket	1	070542	H. Filtercharger element	1	RF-1020	N. 6mm flat head allen bolt	1	08376
C. Short "L" bracket	1	070562	I. Gasket	1	09984	O. Conical nylon washer	1	08180
D. Saddle	1	078855	J. Grommet	1	08092	P. 1/4" ID flat washer	5	08275
E. Small silicone hose	1	08724	K. 90 deg. molded hose	1	08704	Q. 5/16" ID flat washer	1	08276
F. Large silicone hose	1	08050	L. 3/4" ID hose	1	08709	R. 6mm nylock nut	5	07553
						S. 8mm nylock nut	1	07542
						T. Hose clamp #104	1	08697
						U. Hose clamp #64	2	08648
						V. Hose clamp #56	2	08620
						W. Hose clamp #48	1	08601
						X. Hose clamp #12 mini	2	08420



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 the ignition OFF and disconnect the vehicle's negative battery cable.



2. Loosen and remove the three bolts that retain the throttle body cover, then remove the cover.



3. Disconnect the air temperature sensor electrical connection.



4a. On models with 4.6L engines, detach the air bypass valve and crankcase vent hose from the stock intake tube.



4b. On models with 5.4L, detach the idle air control and crankcase vent hose from the stock intake tube.



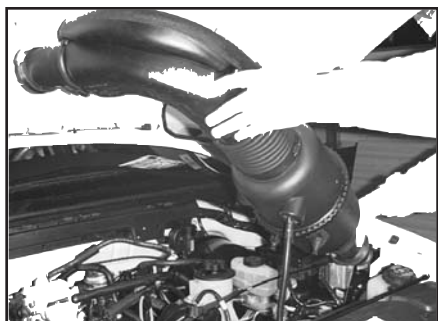
5. Loosen the hose clamp on the stock intake tube at the throttle body.



6. Detach the stock intake tube from the throttle body and lift up on the air cleaner assembly to release it from its retaining grommet.



7. Disconnect the secondary mass air sensor electrical connection.



8. Remove the entire stock air intake assembly from the vehicle.



9. Open the air cleaner assembly and isolate the mass air sensor assembly.



10. Slide the rubber grommet back and disconnect the primary mass air sensor electrical connection, using a flat blade screwdriver.



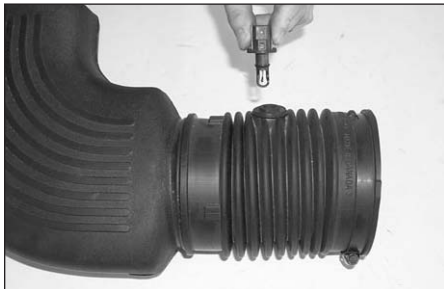
11. Using a flat blade screwdriver, push in and release the four clips that retain the mass air sensor retaining plate.



12. Using a pair of small vise grips or pliers, hold the stud while using a 10mm wrench to loosen the nuts, then remove the mass air sensor from the retaining plate.



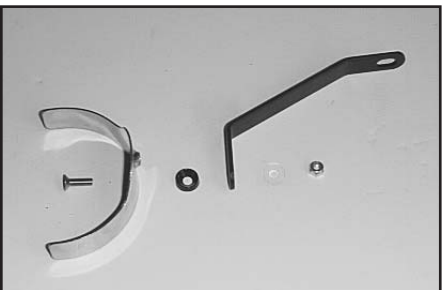
13. Attach the mass air adapter to the mass air sensor using the gasket and hardware provided as shown above.



14. Remove the air temp. sensor from stock air intake tube as shown.



15. Using the grommet provided, install the air temperature sensor into the K&N intake tube.

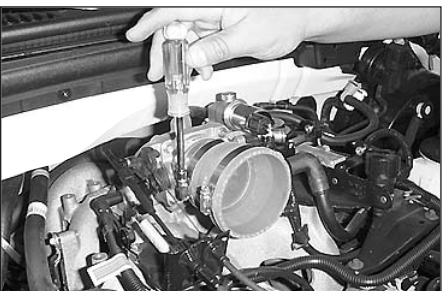


16. Assemble the saddle to the appropriate bracket using the hardware provided as shown.

NOTE: For vehicles equipped with the 4.6L engine, use the long "L" bracket (070542) and for vehicles equipped with the 5.4L engine, use the short "L" bracket (070562).



17. Install the saddle bracket assembly onto the protruding stud as shown, secure into place using the hardware provided.



18. Using the hose clamp provided, attach the small silicone hose to the throttle body.

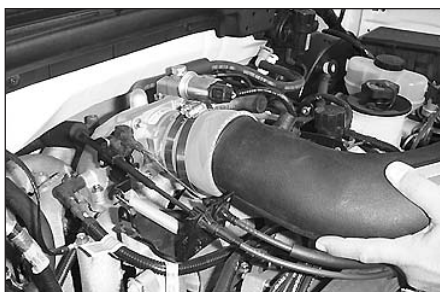


19. Install the K&N intake tube into the small silicone hose and tighten clamp.

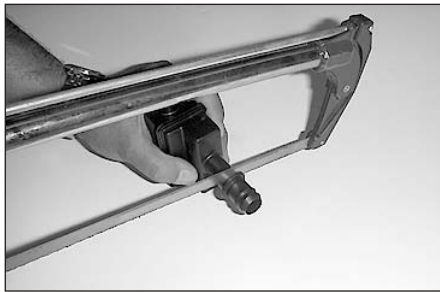
NOTE: It may be helpful to apply a slight amount of soapy water solution onto the inner edge of the silicone hose.



20a. On models with 5.4L engines, install the idle air control and crankcase vent hose onto the appropriate fittings on the K&N intake tube, secure with the hose clamps provided.



20b. On models with 4.6L engines, attach the crankcase vent and the 90 deg. hose provided onto the appropriate fittings on the K&N intake tube and secure with the hose clamps provided.

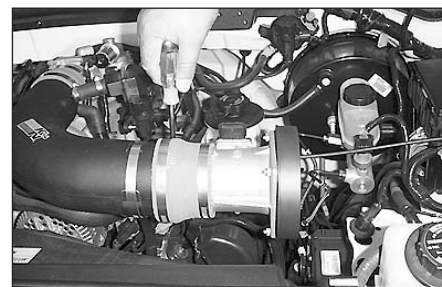


21. On models with 4.6L engines, in some isolated instances where a whistling noise may exist. Cut the flange of the air bypass valve just past the last barb as shown. Reinstall the air bypass valve, attaching it to the appropriate fitting on the intake tube using the 3/4" id hose and hose clamps provided.



22. Install the large silicone hose onto the mass air sensor and secure with hose clamp provided.

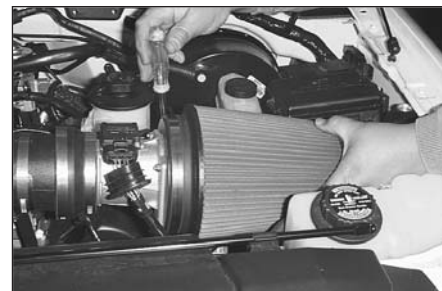
NOTE: It may be helpful to apply a slight amount of soapy water solution onto the inner edge of the silicone hose.



23. Attach the mass air assembly to the intake tube. Secure the mass air assembly and saddle bracket to the intake tube using the hose clamps provided.

24. Reconnect the primary and secondary mass air sensor electrical connections.

25. Reconnect the air temperature sensor electrical connection.



26. Install the Filtercharger element onto the mass air adapter and secure it with hose clamp provided.



27. It may be necessary to loosen clamps and twist the entire assembly to achieve proper alignment, then retighten hose clamps.

28. Reinstall the throttle body cover.

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

30. The C.A.R.B. exemption sticker, (attached), must be visible under the hood, so that an 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.

31. It will be necessary for all FIPK's 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 suggests checking the Filtercharger element periodically for excessive dirt build-up. When the element becomes covered in dirt (or once a year), service it according to the instructions on the Recharger service kit, part number 99-5050 or 99-5000.