



## INSTALLATION INSTRUCTIONS

### 57-2549

#### FORD

2001-04 LIGHTNING

2002-03 F-150

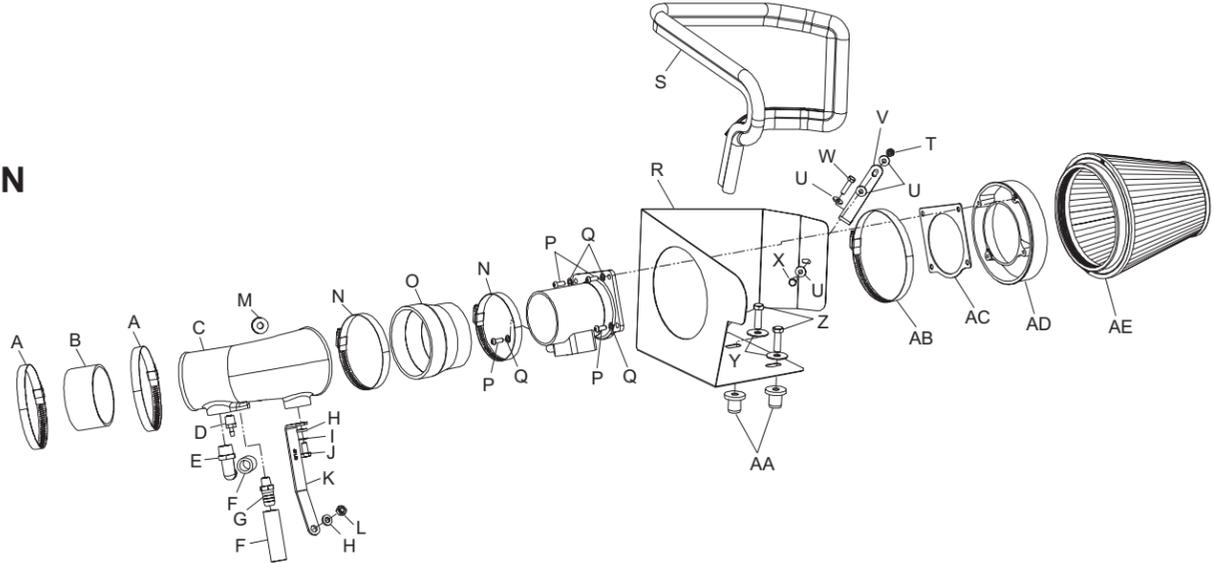
HARLEY DAVIDSON EDITION

V8-5.4L Supercharged

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

#### TOOLS NEEDED:

Flat Blade Screwdriver	10mm Socket
10mm Wrench	14mm Socket
13mm Wrench	4mm Allen
Ratchet	5mm Allen
Extension	



#### PARTS LIST:

Desc.	QTY.	Part #	Desc.	QTY.	Part #	Desc.	QTY.	Part #
A hose clamp #60	2	08628	I wave washer 8mm	1	08239	Q wave washer 6mm	4	08174
B hose; 4-1/2" id x 1-3/4" L	1	08540	J bolt 8mm x 16mm	1	07844	R heat shield	1	07483
C intake tube (CX)	1	087097	K bracket "L" long	1	07169	S edge trim 55"L	1	102480
D vent; strt, 3/16 barb 1/4" npt,	1	080021	L nylock nut 8mm	1	07542	T nylock nut 6mm	1	07553
E vent; 90 deg, 5/8" hose, 1/2" npt	1	08040	M grommet, 3/8" id	1	08100	U flat washer 1/4" x 5/8" od	4	08275
F silicone hose 5/8" id x 3"	2	08464	N hose clamp #72	2	08671	V bracket "L"	1	070952
G vent; strt, 5/8 barb, 1/4 npt nylon	1	08911	O silicone hose	1	08761	W bolt 6mm x 25mm	1	07704
H flat washer 5/16"	2	08276	P button head allen m6	4	07730	X bolt; 6mm x 16mm	1	07703
						Y fender washer	2	08126
						Z bolt; 3/8" x 1.25"	2	07779
						AA insert, 3/8"	2	08163
						AB hose clamp #104	1	08697
						AC mass air gasket	1	09067
						AD adapter #400	1	21513
						AE filter charger	1	RC-5046

#### TO START:

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



2. Disconnect the mass air sensor electrical connection.



3. Loosen the hose clamp at the throttle body and mass air sensor as shown.



4. Remove the intake tube from vehicle. **NOTE:** Disconnect the three vent lines under the intake tube before removing from vehicle.



5. Disconnect the temp sensor electrical connection as shown.



6. Pull up firmly on the factory air box to remove from vehicle.



7. Remove the two air box mounting grommets from the air box mounting tray as shown.



8. Remove the 6mm bolt that retains the cruise control onto vehicle.



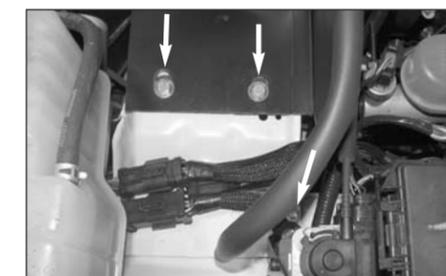
9. Install edge trim onto the heat shield as shown. Trim if needed.



10. Install the two provided nut inserts onto the air box mounting tray as shown.



11. Install the "L" bracket onto heat shield as with the provided hardware as shown. **NOTE:** Install a washer between the bracket and heat shield.



12. Install the heat shield into vehicle, then secure with the provided hardware as shown.



13. Remove the 8mm nut from stud that retains the idler pulley bracket.



14. Install the provided bracket onto the stud with the nut that was removed in the previous step.



15. Install the silicone hose (08540) onto the throttle body with the provided hose clamp as shown.



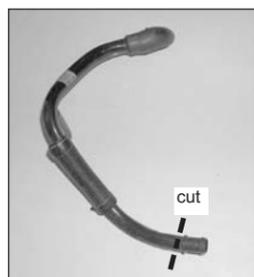
16. Install the provided vent fitting onto the new K&N intake tube as shown.



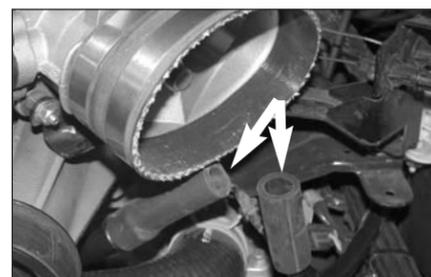
17. Install the provided grommet into the new intake tube as shown.



18. Remove the idle air vent tube from vehicle as shown.



19. Cut the end off the idle air vent tube just below bead as shown. Then re-install vent tube back onto vehicle.



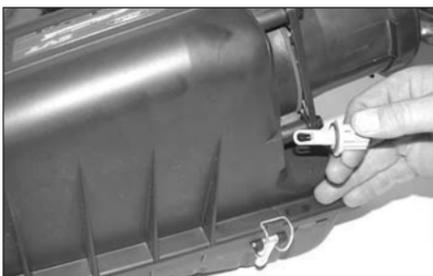
20. Install the two provide 5/8 silicone hoses onto the idle air and crank case vent lines as shown.



21. Install the new K&N intake tube into the silicone and then tighten the provided hose clamp. **NOTE:** Reconnect the three vent lines under the intake tube that were removed in step 4.



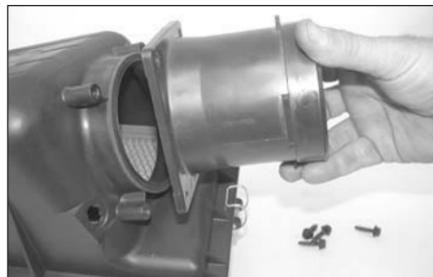
22. Connect the new intake tube to the bracket with the provided hardware as shown.



23. Remove the temp sensor from the factory air box as shown.



24. Install the temp sensor into the intake tube then reconnect the electrical connection as shown.



25. Remove the mass air sensor from the factory air box as shown.



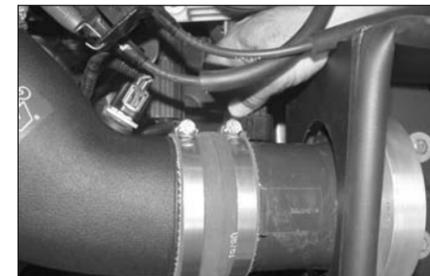
26. Assemble the filter adapter and gaskets onto the mass air sensor with the provided hardware as shown.



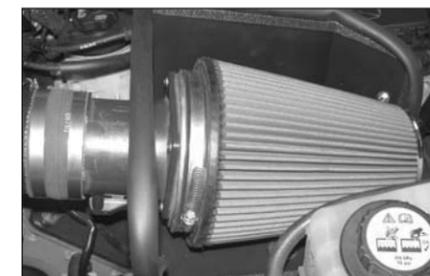
27. Install the silicone hose (08761) onto the intake tube with the provided hose clamps.



28. Install the mass air sensor assembly onto the intake tube, then secure with the provided hose clamp.



29. Reconnect the mass air sensor electrical connection as shown.



30. Install the Filtercharger onto the mass air adapter and then secure it with the provided hose clamp.



31. It may be necessary to loosen the hardware and adjust the entire assembly to achieve proper clearances.

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

33. 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.

34. 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.