

# TYPHOON INTAKE SYSTEMS

BY 

## INSTALLATION INSTRUCTIONS

69-3500

Ford

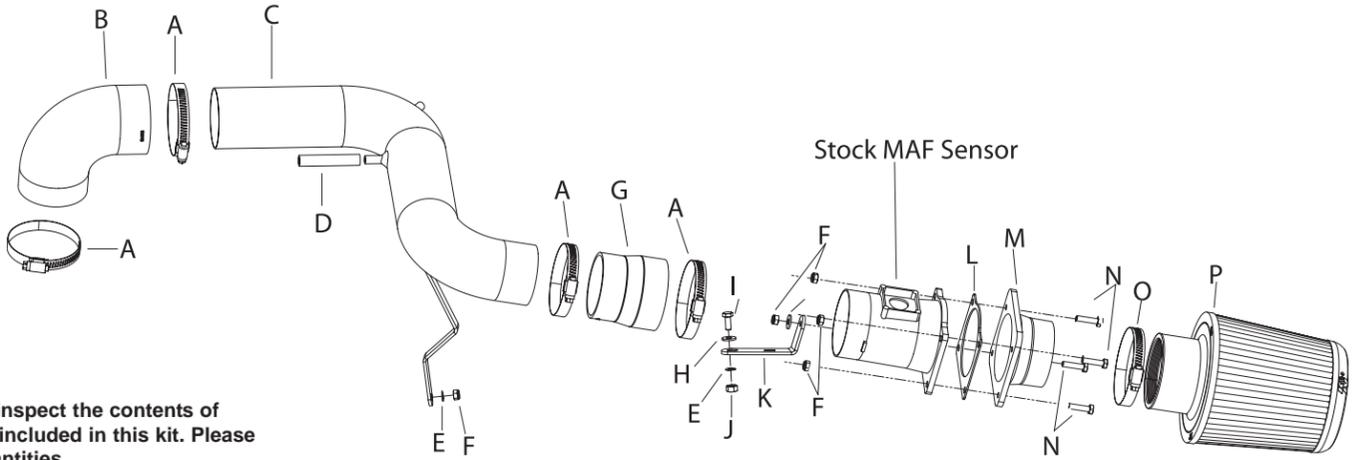
2000-03 Escort ZX2

L4-2.0L

### TOOLS NEEDED:

Flat blade screw driver  
4mm allen wrench  
Ratchet  
6" extension  
10mm socket  
12mm socket

Prior to the installation process, please inspect the contents of this package to ensure that all parts are included in this kit. Please see the parts list for description and quantities.



### Parts List

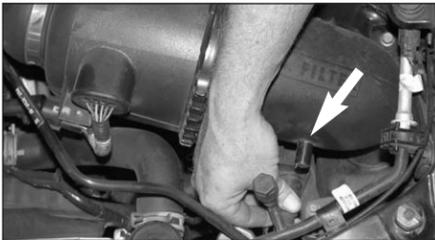
Description	Qty.	P/N
A Hose Clamp, #44, SS	4	08560
B Silicone Hose, 90 degree, Black	1	084027
C Typhoon Intake Tube	1	27102
D Silicone Hose, 8mm x 2-3/4" L.	1	084029
E 6mm Wave Washer	2	08722
F 6mm Nylock Nut	5	07512
G Silicone Step Hose	1	08437
H 6mm Flat Washer	2	08269
I 6mm Hex Bolt, 16mm L	1	084029
J 6mm Hex Nut	1	07506
K "L" Bracket	1	070041
L Gasket	1	09202
M Mass Air Adaptor	1	088043
N 6mm Hex Bolt, 25mm L	4	07858
O Hose Clamp #48	1	08601
P Filtercharger	1	RX4990

### TO START:

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



2. Disconnect the secondary mass air sensor electrical connection as shown.



3. Disconnect the crank case vent hose from the stock air cleaner assembly as shown.



4. Remove the crank case vent hose from the breather on the cam cover as shown.



5. Remove the vent hose from the stock intake tube as shown.



6. Loosen the hose clamp at the throttle body and at the mass air sensor, then, remove the stock intake tube as shown.



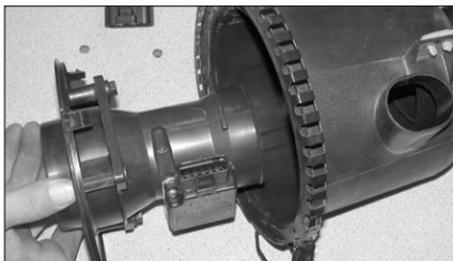
7. Loosen and remove the three bolts that secure the air cleaner assembly as shown.



8. Pull firmly upwards to remove the air cleaner assembly as shown.



9. Pull the rubber boot back then depress the release tab to disconnect the mass air sensor electrical connection as shown.



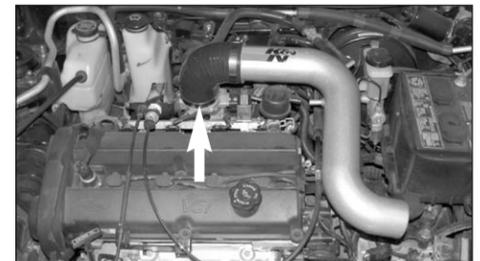
10. Remove the mass air sensor base plate from the air cleaner housing as shown.



11. Remove the two bolts that secure the mass air sensor, then, remove the mass air sensor as shown.



12. Assemble the 90 degree silicone hose and hose clamps onto the K&N Typhoon tube as shown. Due to hood clearance problems, the long end of the silicone hose should be clamped onto the tube. **NOTE:** Before installing the silicone hose, inspect the inside of the tube for any debris, then clean the inside out with water and a towel. Inspect the tube one more time before proceeding to the next step.



13. Slide the Typhoon intake tube assembly onto the throttle body as shown, but do not tighten completely at this time.



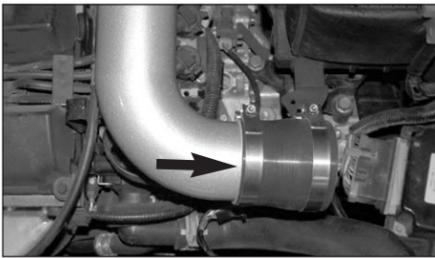
14. Line up the bracket on the tube with the stud on the water neck as shown.



15. Secure the bracket to the stud using the provided washer and hex nut as shown.



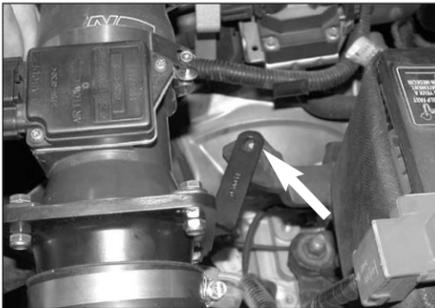
16. Connect the provided hose onto the cam cover vent and to the vent on the K&N Typhoon tube as shown.



17. Install the silicone step hose and hose clamps onto the K&N Typhoon tube as shown.



18. Assemble the stock mass air sensor, gasket, mass air adapter, and bracket using the provided hardware as shown.



19. Slide the mass air sensor assembly into the silicone step hose, then, line up the bracket with the hole located on the battery tray as shown.



20. Secure the bracket to the battery tray using the provided hardware as shown.



21. Tighten all hose clamps and hardware and adjust for best fit.



22. Install the K&N Filtercharger and secure with the provided hose clamp as shown.



23. Reconnect the secondary and primary mass air electrical connections as shown.



24. Reconnect the negative battery cable and double check to make sure everything is tightened and properly positioned before starting the vehicle.

25. 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.

26. It will be necessary for all Typhoons 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 99-5000 or 99-5050.