



TYPHOON INTAKE SYSTEMS

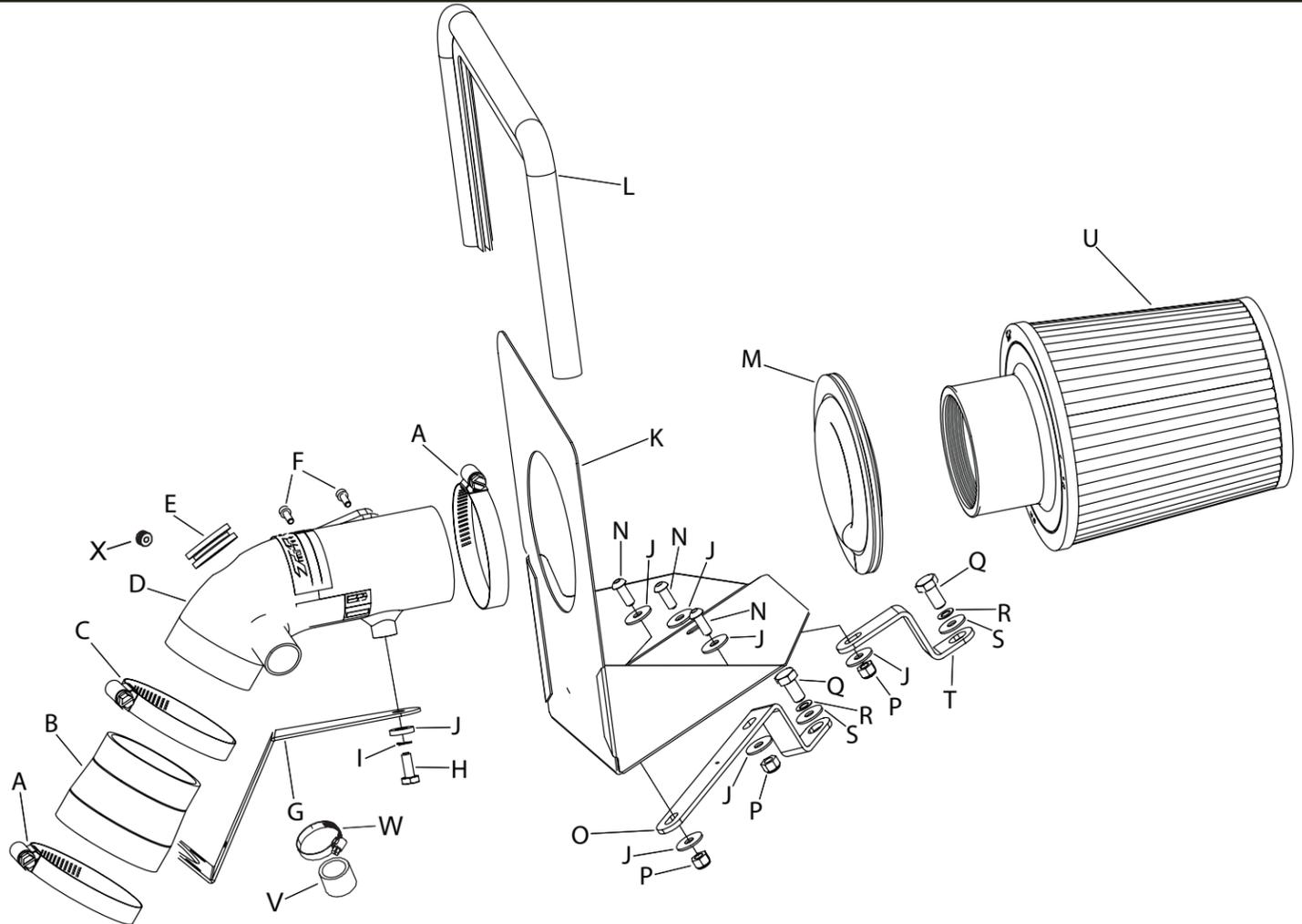
INSTALLATION INSTRUCTIONS

69-3513

FORD
2007-09 Focus
I4-2.0L PZEV

Tools:

- Ratchet
- Extension
- 13mm Socket
- 10mm Socket
- 8mm Socket
- 6mm Socket
- Pliers
- 13mm Wrench
- Flat Blade Screw Driver
- 4mm Allen Wrench
- 3mm Allen Wrench
- T30 Torx Wrench
- T20 Torx Wrench



Parts List:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A	2	08554	I	1	08198	Q	2	07844
B	1	084016	J	7	08269	R	2	08239
C	1	08530	K	1	07651	S	2	08276
D	1	27529	L	1	102494	T	1	06488
E	1	08053	M	1	102469	U	1	RU-4950
F	2	07733	N	3	07730	V	1	08246
G	1	06487	O	1	06486	W	1	08413
H	1	07812	P	3	07553	X	1	08100

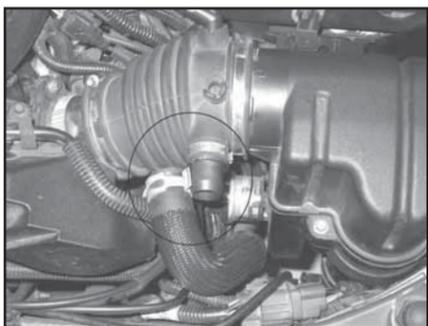
NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.

TO START:

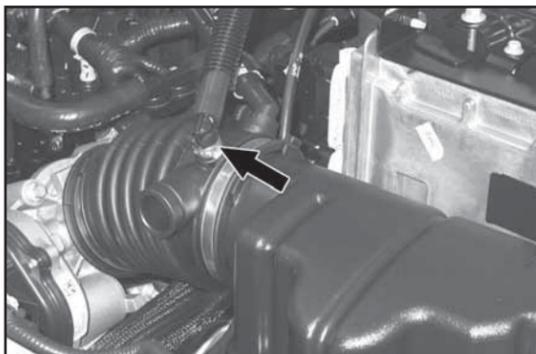
1. Turn the ignition OFF and disconnect the vehicle's negative battery cable.



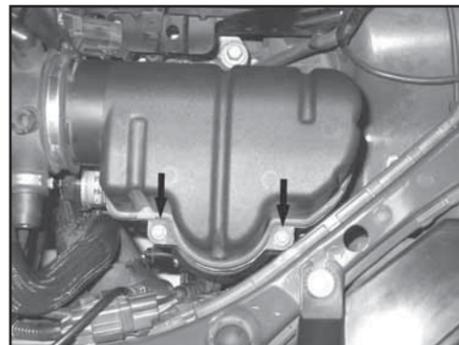
2. Remove the crank case vent hose by pressing the green locking tab and gently pulling the crank case vent hose away from the fitting.



3. On vehicles equipped with an air injection pump; using pliers, release the spring clamp that fastens the air injection hose to the stock intake tube. Disconnect the air injection hose from the stock intake tube.



3a. On vehicles equipped with an EVAP vent line, cut the clamp that secures the vent line elbow to the stock intake tube. Then, remove the EVAP vent from the intake tube as shown.



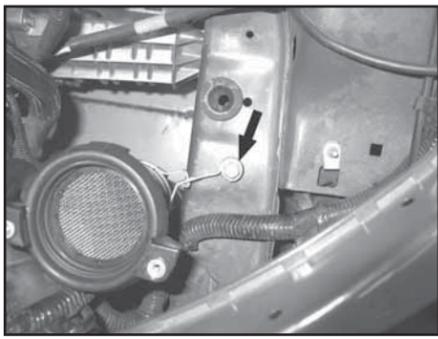
4. Loosen the two bolts that fasten the upper intake housing to the mass air sensor housing.



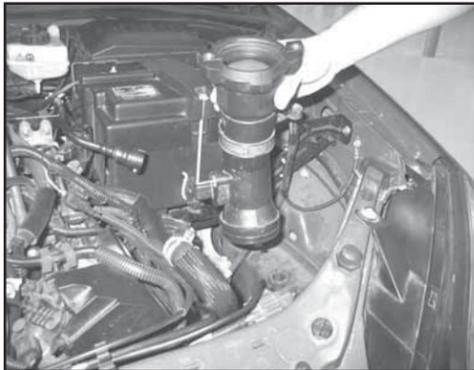
5. Loosen the hose clamp at the throttle body, then lift firmly, separating the upper intake housing from the mass air sensor housing and throttle body. Remove the upper intake housing.



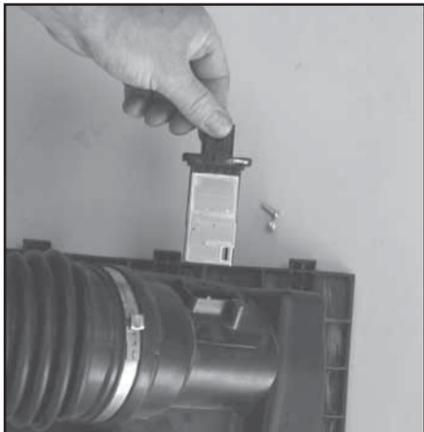
6. Disconnect the mass air sensor electrical connection. Press the locking tab, then gently pull away from the housing.



7. Remove the bolt that fastens the mass air sensor housing bracket to the inner fender.



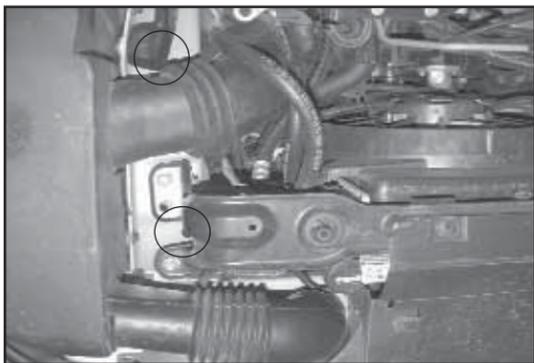
8. Loosen the hose clamp that fastens the mass air sensor housing to the air filter housing, then remove the mass air sensor housing.



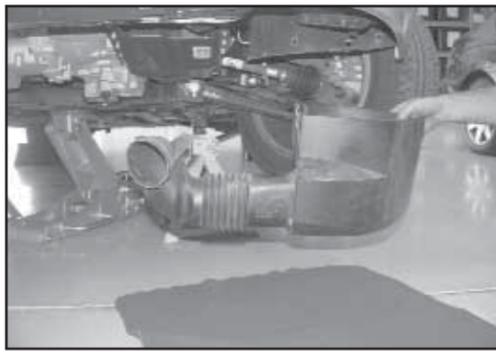
8a. Remove the two screws that fasten the mass air sensor to the factory air box, then remove the mass air sensor.



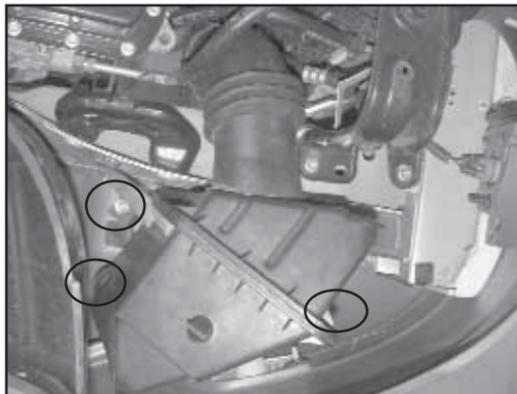
8b. On vehicles equipped with the splash shield, remove the six bolts and five black plastic screws which secure the splash shield to the bumper cover, then remove the splash shield from the vehicle.



8c. On vehicle's equipped with an air box cover, remove the two bolts which secure the cover to the frame rail, and the bolt which secures the intake snorkel to the radiator core support.



8d. On vehicles equipped with an air box cover, lower the cover and remove it from the vehicle.



9. Remove the three bolts that fasten the lower air box to the inner fender well.

NOTE: K&N recommends that customers do not discard their factory air intake.

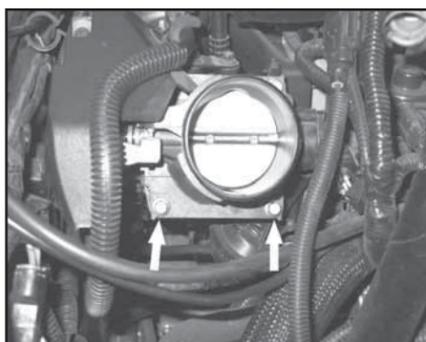


10. Lower and remove the air box assembly from the vehicle.

NOTE: On vehicles equipped with the intake snorkel on top of the air box behind the fender, it will be necessary to separate the snorkel from the air box during air box removal.

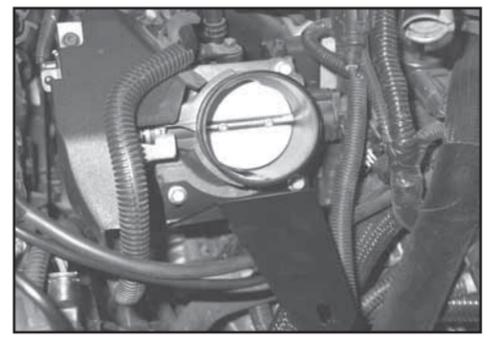


11. On vehicles equipped with the upper intake snorkel, pull down on the snorkel to dislodge it from the mount and then remove it from behind the fender.



12. Remove the two lower throttle body bolts.

Note: These bolts will be re-used in the next step.



13. Install the intake tube mounting bracket onto the throttle body, then fasten using the throttle body bolts removed in step # 12.

Note: On vehicles equipped with an automatic transmission, the dipstick tube may need to be adjusted to clear the tube mounting bracket.



13a. On vehicle's that were equipped with an air box cover, reinstall and secure with the bolts that were removed in step #8c.

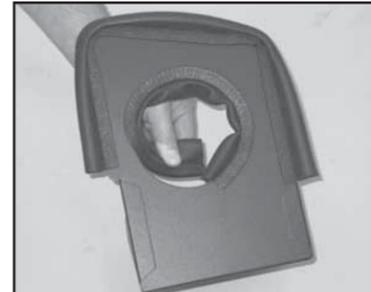


13b. On vehicle's that were equipped with the splash shield, reinstall with the bolts removed in step #8b.



14. Install the edge trim onto the heat shield.

Note: Some trimming of the edge trim may be necessary.



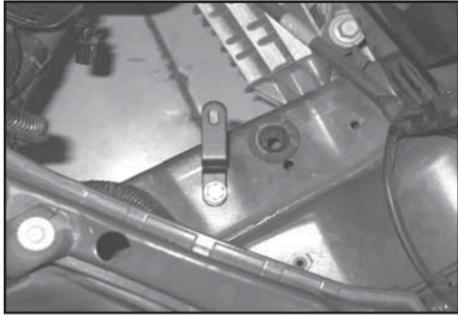
15. Install the edge trim onto the center portion of the heat shield.

Note: Some trimming of the edge trim may be necessary.

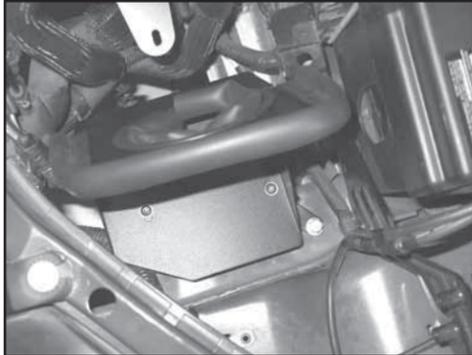


16. Install the heat shield mounting bracket (06486) onto the bottom of the heat shield; fasten using the provided hardware.

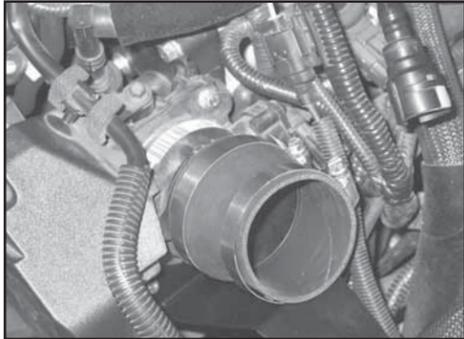
Continued INSTALLATION INSTRUCTIONS



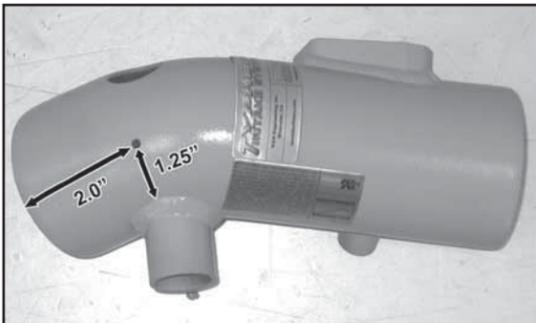
17. Install the heat shield mounting bracket (06488) onto the inner fender; fasten using the provided hardware.



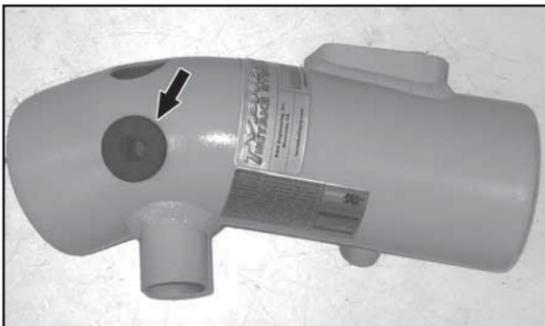
18. Place the heat shield into position onto the inner fender well heat shield mounting bracket and align the second heat shield bracket with the threaded hole in the inner fender. Fasten the heat shield using the provided hardware.



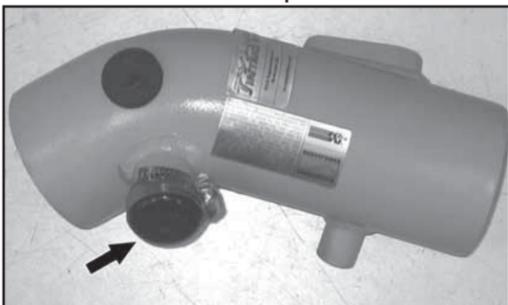
19. Install the silicone hose (084016) onto the throttle body and fasten with the provided hose clamp.



19a. On vehicles equipped with an EVAP vent line, drill a 5/8" I.D. hole in the tube at the location shown.



19b. On vehicles equipped with an EVAP vent line, install the provided grommet into the hole drilled in step #19a.



19c. On vehicles not equipped with an air injection pump, install the provided capplug onto the air injection fitting and secure with the provided hose clamp as shown.



20. Remove the two screws that fasten the mass air sensor to the mass air sensor housing, then remove the mass air sensor from the housing.



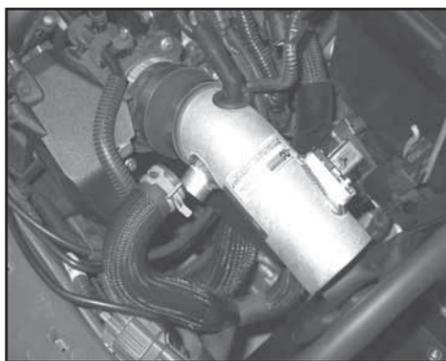
21. Install the mass air sensor into the K&N intake tube, then fasten using the provided hardware.



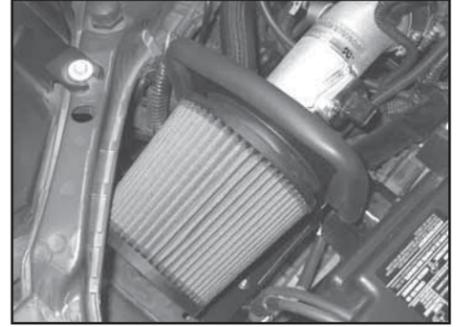
22. Remove the crank case vent fitting from the stock intake tube.



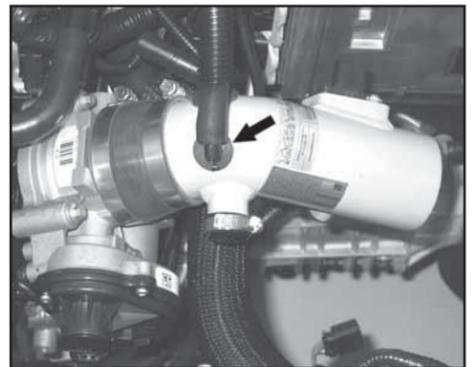
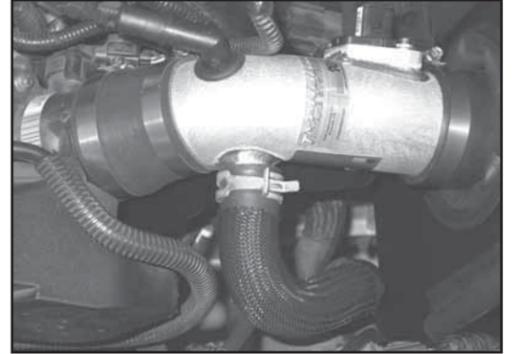
23. Install the provided grommet and stock crank case vent fitting into the K&N intake tube.



24. Install the K&N intake tube into the silicone hose previously installed onto the throttle body. Align the intake tube with the previously installed intake tube mounting bracket; fasten using the respective hose clamp and hardware.



25. Install the K&N air filter and fasten using the provided hose clamp.

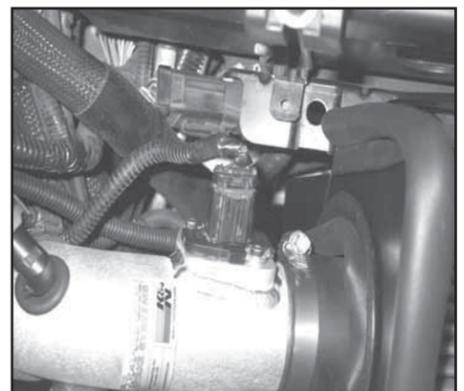


26. Connect the air injection hose to the K&N intake tube and fasten using the stock spring clamp.

NOTE: On vehicles equipped with the EVAP vent hose, insert the 90 degree fitting into the grommet installed in step #19b.



27. Connect the crank case vent hose to the stock fitting previously installed into the K&N intake tube.



28. Re-connect the mass air sensor electrical connection.



29. Reconnect the vehicle's negative battery cable. Check to ensure all hose clamps and fittings are properly tightened and positioned correctly before starting the vehicle.

30. It will be necessary for all K&N Performance Air Intake Kits 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 Air Filter 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.

Free K&N Decal! To register your warranty, please see us online at Knfilters.com/register. Free K&N Decal!