



# TYPHOON INTAKE SYSTEMS

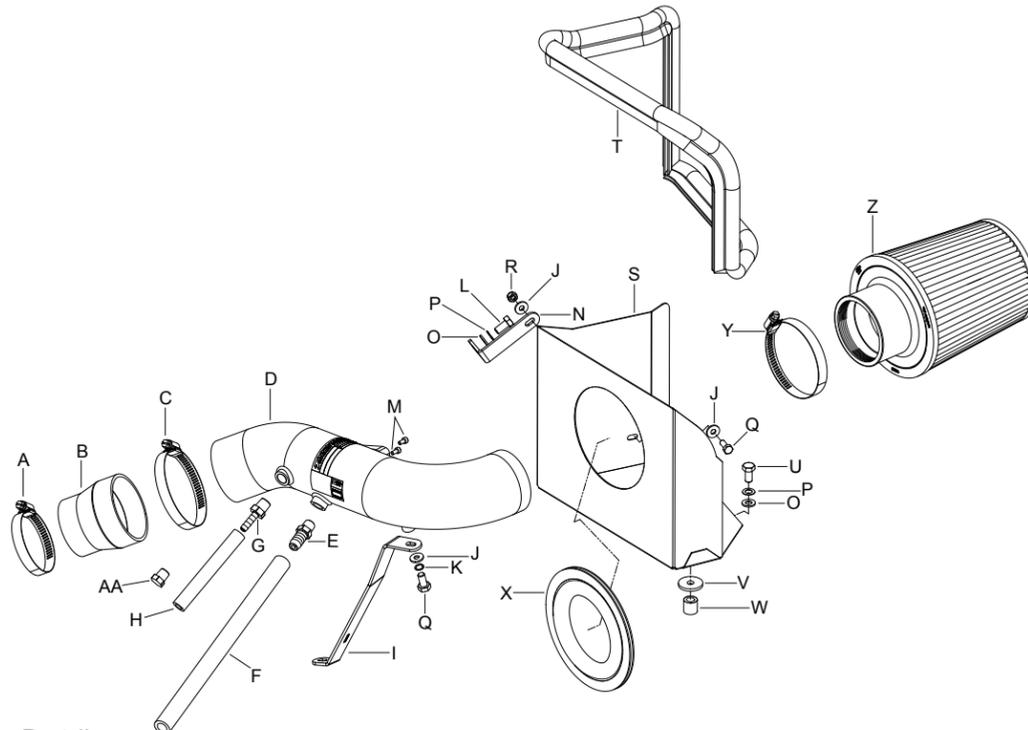
INTAKE SYSTEMS FOR VEHICLES LISTED ARE 50 STATE LEGAL. SEE KNFILTERS.COM FOR CARB STATUS ON EACH PART FOR A SPECIFIC VEHICLE.

## INSTALLATION INSTRUCTIONS

**69-3515TS**  
**FORD**  
**2006-09 Fusion**  
**V6-3.0L**

### TOOLS NEEDED:

- 3mm Allen Wrench
- 8mm Socket
- 10mm Socket
- 13mm Socket
- Extension
- Flat Blade Screwdriver
- Phillips Screwdriver
- Pliers
- Ratchet



### PARTS LIST:

Description	Qty.	Part #
A Hose Clamp #40	1	08554
B Hose; 3"ID to 2-1/2"ID Tprd., Silc.	1	08713
C Hose Clamp #48	1	08601
D Intake Tube	1	27553
E Vent; Strt. 1/2" Hose, 1/4"NPT, Plas.	1	080022
F Hose; 1/2"ID X 12"L Black Silicone	1	087031
G Vent; Strt., 3/8"Hose, 1/4" NPT, Plas.	1	08047
H Hose; 10" 8mm	1	08156
I Bracket; "Z", STL, TK/PC	1	070121
J Washer; 1/4"ID X 5/8"OD - SAE	3	08275
K Washer; 1/4" Lock, ZN	1	08198
L Bolt; 8mm-1.25 X 16mm, Hexhead	1	07844
M Bolt; M4 - 0.07 8mm, A/H CAP, SS	2	07733
N Bracket; "L", Fin.	1	070602
O Washer; 8mm, Flat, SS	2	08272
P Washer; 8mm Spring (Wave)	2	08239
Q Bolt; 6mm-1.00 X 16mm, SS	2	07812
R Nut; 6mm Nylock, Hexhead, SS	1	07512
S Heat Shield	1	074046
T Edge Trim	1	102486
U Bolt; 8mm-1.25 X 35mm Hexhead, ZN	1	07784
V Washer; 5/16-1.125" Fender	1	08130
W Spacer; .625"OD X .375"ID X .625"L, ZN	1	07849
X Edge Trim (17")	1	102469
Y Hose Clamp #52	1	08610
Z Air Filter	1	RU-5176
AA Plug; 1/4 Npt, Plastic, Black	1	08032

**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.

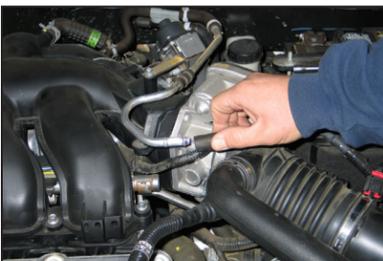
**NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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 mass air sensor electrical connection.



3. Disconnect the crank case vent hose from the valve cover port as shown.



4. On vehicles equipped with an EVAP vent line, disconnect the EVAP vent hose from the tube as shown.



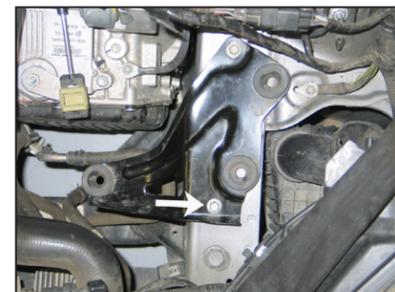
5. Loosen the hose clamp that secures the stock intake tube to the throttle body.



6. Remove the rubber air flap from behind the head light assembly as shown.



7. Lift up the air box to dislodge it from the mounting grommet and then remove the complete intake assembly.  
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.**



8. Remove the two bolts that secure the air box mount. Then remove the air box mount from the vehicle.



9. Remove the two screws that retain the mass air sensor and then remove the mass air sensor from the air box.



10. Install the mass air sensor into the K&N intake tube and secure with the provided hardware.

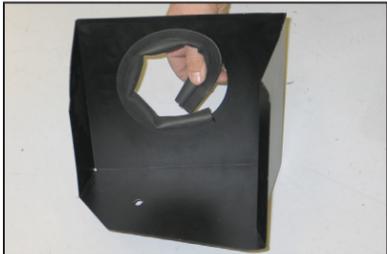


11. Remove the ground strap mounting bolt shown from the transmission.  
**NOTE: This bolt will be reused in the next step.**



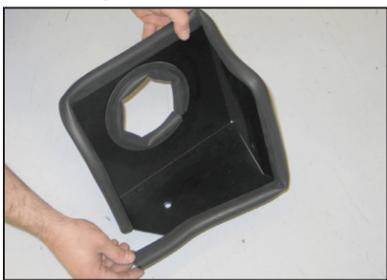
12. Secure the tube mounting bracket to the transmission using the ground strap mounting bolt from step #11.

**NOTE: Be sure to place the ground strap between the transmission and bracket.**



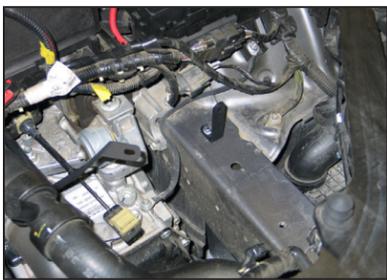
13. Install the short edge trim into the hole of the heat shield as shown.

**NOTE: Some trimming of the edge trim will be necessary.**



14. Install the long edge trim onto the heat shield as shown.

**NOTE: Some trimming of the edge trim will be necessary.**



15. Install the heat shield mounting bracket (070602) onto the inner frame rail using the provided hardware as shown.

**NOTE: The mounting bolt will thread into the rear air box mounting bolt location.**



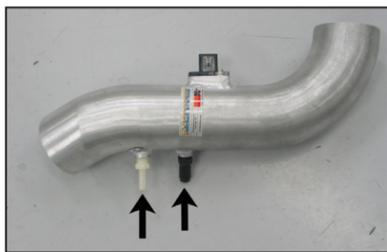
16. Place the heat shield spacer and fender washer onto the frame rail at the front air box mounting location as shown.



17. Set the heat shield into position on the frame rail and secure with the provide hardware. Secure the rear of the heat shield to the mounting bracket with provided hardware.



18. Install the silicone hose (08713) onto the throttle body and secure with the provided hose clamp.



19. Install the two provided 1/4" NPT fittings into the K&N® intake tube as shown.

**NOTE: On vehicles that are not equipped with an EVAP vent line, only the larger NPT 1/2" OD vent fitting #080022 will be used. The provided NPT plug #08032 will be used in place of the unused 3/8" OD vent fitting.**

**NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.**



20. Install the K&N® intake tube into the silicone hose at the throttle body and align with the mounting bracket installed in step #12. Secure the intake tube with the hose clamp and hardware provided.



21. Install the provided crank case vent hose onto the valve cover port and then onto the 1/4" NPT fitting installed into intake tube as shown.



22. On vehicles equipped with an EVAP vent line, install the provided EVAP hose onto the port and then onto the 1/4" NPT fitting installed into the K&N® intake tube as shown.



23. Install the K&N® air filter and secure with the provided hose clamp.

**NOTE: Drycharger® air filter wrap; part # RX-4990DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>®.**



24. Reconnect the mass air sensor electrical connection.



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

26. 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.

27. 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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