



AIRCHARGER™

HIGH-FLOW INTAKE KITS

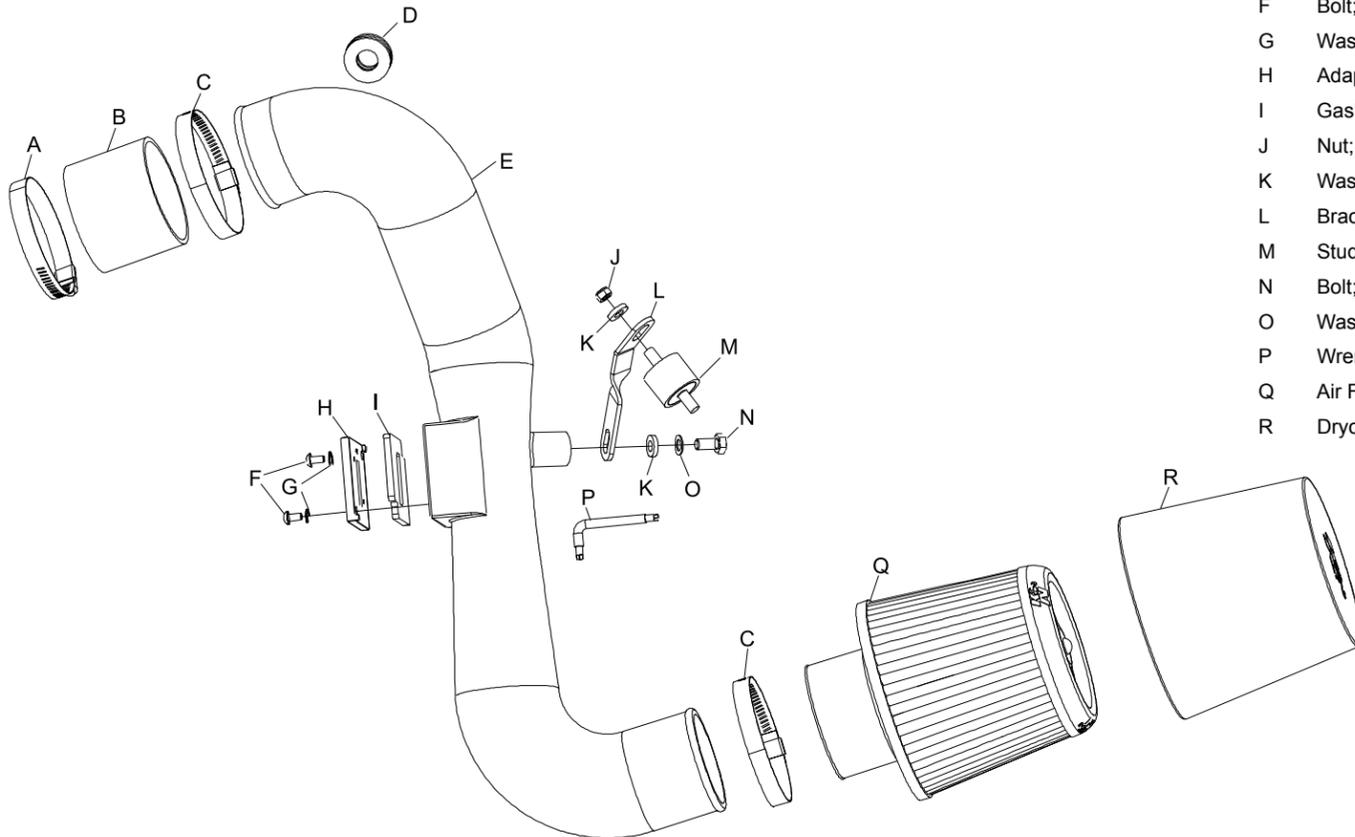


INSTALLATION INSTRUCTIONS

63-1101
FORD
2003-04 FOCUS
L4-2.3L

PARTS LIST:

Description	Qty.	Part #
A	Hose Clamp #44	1 08577
B	Hose; 3.0"ID x 2.5"L	1 08192
C	Hose Clamp #48	2 08601
D	Grommet; 1-1/8"OD x 5/8"ID x 5/16"	1 08053
E	Intake Tube	1 087127
F	Bolt; 6mm-1.00 x 16mm, B/H/A	2 07730
G	Washer; 1/4" Split Lock	2 08198
H	Adapter #420	1 21515
I	Gasket	1 09069
J	Nut; 8mm Nylock	1 07542
K	Washer; 5/16"ID x 5/8"OD, Flat	2 08276
L	Bracket Twist	1 010063
M	Stud, Rubber Mntd, m/m,	1 070227
N	Bolt; 8mm-1.25 x 16mm	1 07844
O	Washer; 8mm Wave	1 08239
P	Wrench; Torx t20	1 69801
Q	Air Filter	1 RX-4990
R	Drycharger Wrap; Black	1 RX-4990DK



TOOLS NEEDED:

- Flat Blade Screwdriver
- Ratchet
- Extension
- 7mm Socket
- 8mm Socket
- 10mm Socket
- 13mm Socket
- 2.5mm Allen Wrench
- 4mm Allen Wrench
- Jack
- Jack Stands

WARNING: The K&N® Drycharger® included with this kit must be installed on the K&N® air filter when used with this K&N® Air Charger intake system. The K&N® Air Charger intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to the stock OEM airbox and intake tract configuration. Failure to follow these instructions can void your warranty.

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. Depress the green locking tab on the crank case vent hose and then pull the vent hose to disconnect from the fitting as shown.



3. Loosen the hose clamp, which secures the factory intake tube to the throttle body.



4. Loosen the two bolts, which secure the upper intake housing to the mass air sensor housing. **NOTE: The two bolts do not separate from the upper intake housing.**



5. Lift firmly to separate the upper intake housing from the mass air sensor housing and then remove the upper intake housing from the vehicle.



6. Depress the locking tab on the mass air sensor electrical connection and then disconnect the electrical connection.



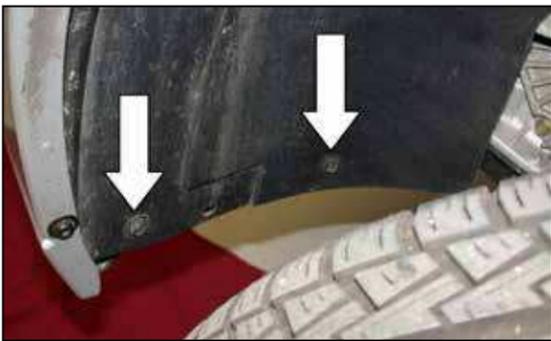
7. Loosen the hose clamp, which secures the mass air sensor housing to the lower intake housing.



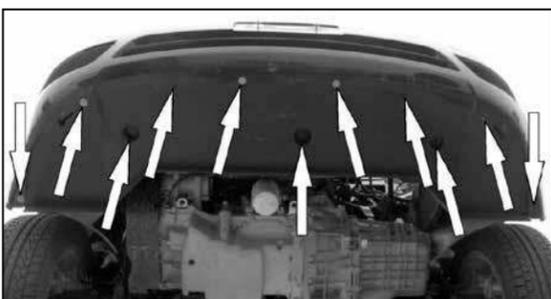
8. Remove the bolt, which secures the mass air sensor housing bracket to the inner fender.



9. Pull firmly up and remove the mass air sensor assembly from the vehicle.



10. After jacking up the car and placing on suitable jack stands and chocking the rear wheels, remove the two bolts which secure the air box on equipped vehicle's or the one bolt on splash shield equipped vehicle's to the inner fender well.



10a. On vehicle's equipped with the splash shield, remove the six bolts and five plastic screws which secure the splash shield to the bumper cover, then remove the splash shield from the vehicle.



11. 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.



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



13. Remove the three bolts which secure the lower air box to the inner fender well.



14. 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.



14a. On vehicle's 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.

NOTE: K&N Engineering, Inc., recommends that customers do not discard the factory air intake.



15. Install the silicone hose (08192) onto the throttle body and secure with the provided hose clamp.



16. Remove the crank case vent fitting from the factory intake tube as shown.



17. Install the provided grommet into the K&N® intake tube as shown.



18. Install the crank case vent fitting removed in step #16 into the grommet installed into the K&N® intake tube in step #17 as shown.



19. Remove the mass air sensor from the factory mass air sensor housing using the Torx wrench provided.



20. Apply the provided gasket onto the K&N® mass air adapter as shown.



21. Using the factory mass air bolts, install the mass air sensor into the K&N® mass air adapter as shown.



22. Install the mass air sensor assembly into the K&N® intake tube.
NOTE: Make sure the open end of the mass air sensor is towards the filter end of the tube.



23. Secure the mass air sensor assembly into the K&N® intake with the provided hardware as shown.



24. Install the provided bracket (010063) onto the K&N® intake tube with the provided hardware as shown.



25. Install the rubber mounted stud into the threaded hole in the frame rail as shown.



26. Install the K&N® intake tube assembly into the silicone hose at the throttle body and onto the rubber mounted stud, then secure with the provided hardware.

NOTE: Do not completely tighten at this time.



27. Reconnect the crank case vent hose to the fitting installed into the K&N® intake tube in step #18.



28. Install the provided Drycharger® onto the air filter as shown.

WARNING: Please follow these installation instructions carefully. The K&N® high flow intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.



29. Install the air filter onto the K&N® intake tube and secure with the provide hose clamp.



30. On vehicle's that were equipped with an air box cover, reinstall and secure with the bolts that were removed in step #11.



30a. On vehicle's that were equipped with the splash shield, reinstall with the bolts removed in step #10a.



31. Reconnect the mass air sensor electrical connection.



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

33. 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.

STREET LEGAL IN MOST STATES

**NOT LEGAL FOR USE IN CA & OTHER STATES
ADOPTING CA EMISSIONS STANDARDS**

See our catalog or knfilters.com for CARB status on each part for a specific vehicle

* FREE K&N® decal To register your warranty, please see us online at knfilters.com/register. FREE K&N® decal *