



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

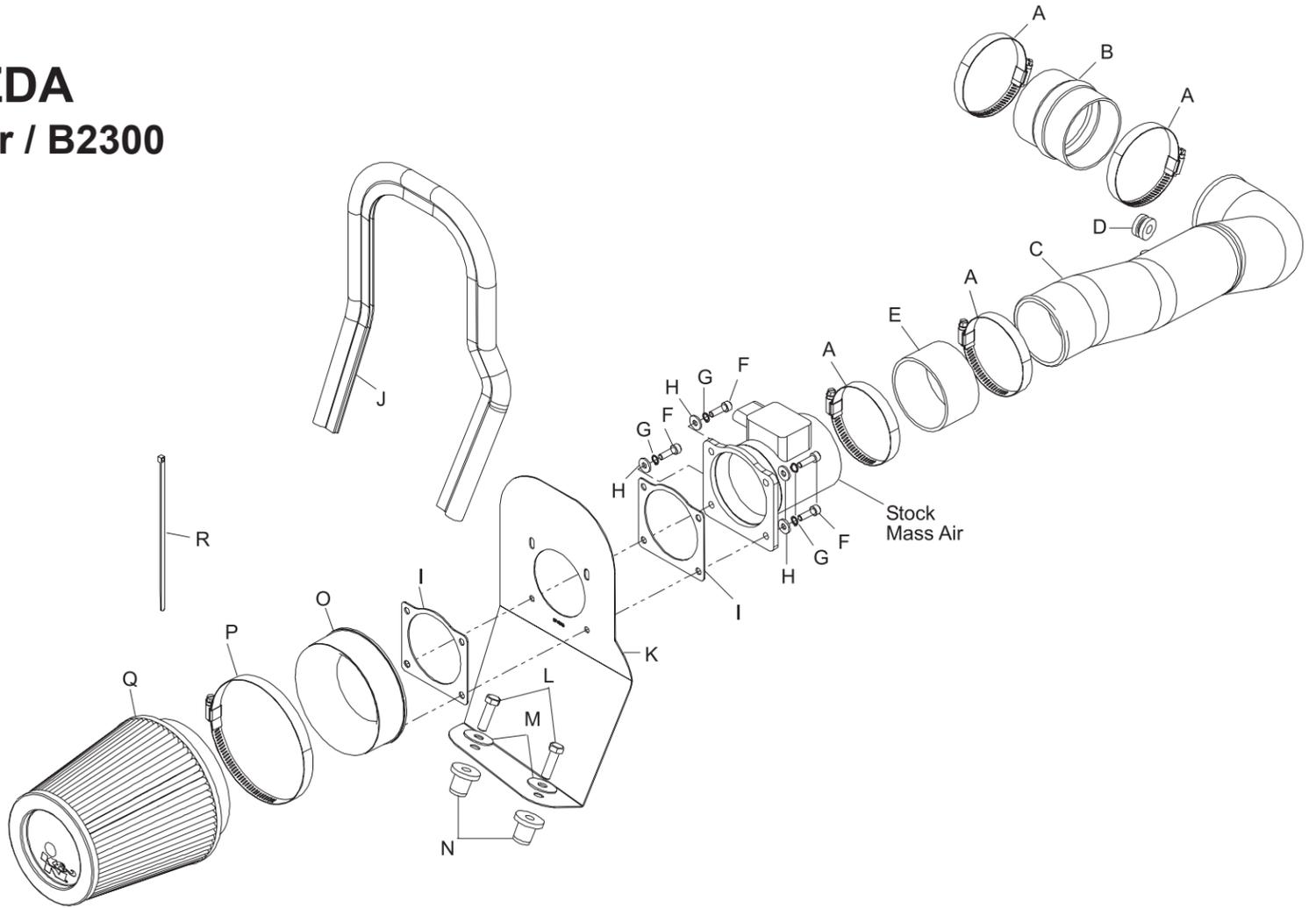
# INSTALLATION INSTRUCTIONS

**57-2552**  
**FORD / MAZDA**  
**2001-03 Ranger / B2300**  
**2.3L DOHC**

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

**TOOLS NEEDED:**

- Screwdriver Flat Blade
- Extension
- Ratchet
- 7mm Socket
- 8mm Socket
- 10mm Socket
- 9/16" Socket
- 5mm Allen Wrench



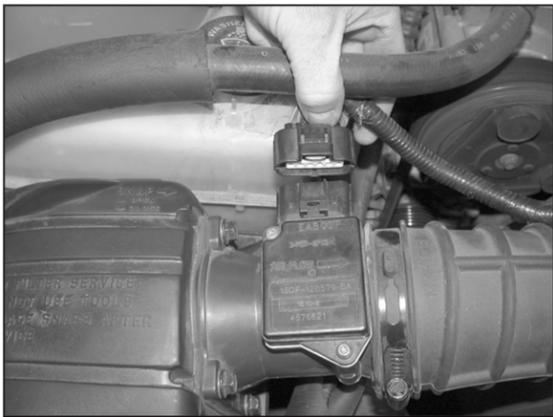
**PARTS LIST:**

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A hose clamp; #48	4	08601	G washer; 1/4" lock zn	4	08198	M washer; fender	2	08126
B silicone hump hose	1	08696	H washer; 1/4"x5/8" flat	4	08275	N insert; rubber	2	08163
C intake tube (DJ)	1	087105	I gasket; 1/16"thk neoprene	2	09202	O adaptor #350	1	21510
D grommet, 5/16"od x 3/8"id	1	08100	J edge trim 35"L	1	102471	P hose clamp #80	1	08694
E silicone hose	1	08190	K heat shield	1	074015	Q filter	1	RF-1037
F bolt; 6mm-1.00x20mm, allen	4	07852	L bolt; ss hex head	2	07779	R cable tie, 6" white	1	21591

**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 the mass air sensor electrical connection, then disconnect wiring harness from intake tube.



3. Disconnect crank case vent from intake tube as shown.



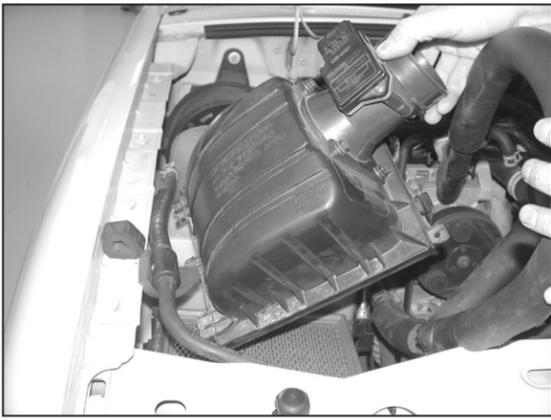
4. Remove the two 7mm screws that secure the throttle body cover then remove the throttle body cover.



5. Vehicle's equipped with resonator chamber on intake tube, remove the 8mm bolt that secures resonator to mounting bracket.



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



7. Unhook air filter lid clips and remove air filter lid assembly, as shown.



8. Slide a flat blade screwdriver in between the airbox and the airbox mounting tray. Pry downwards on the tray, while pulling upwards on the airbox assembly to release the assembly from the retaining grommets in the tray.  
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.**



9. Pull firmly on the air inlet duct to release the duct from the radiator core support as shown.



10. Remove the two air box retaining grommets from the air box mounting bracket as shown.



11. Loosen and remove the four hex bolts that secure the mass air sensor, then, remove the mass air sensor from the air box lid.



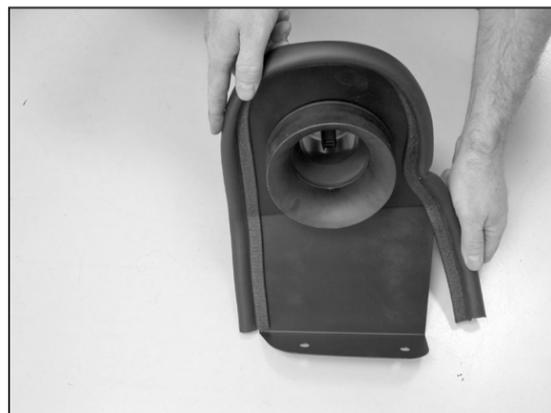
12. Install the crank case vent grommet into the K&N® intake tube as shown.



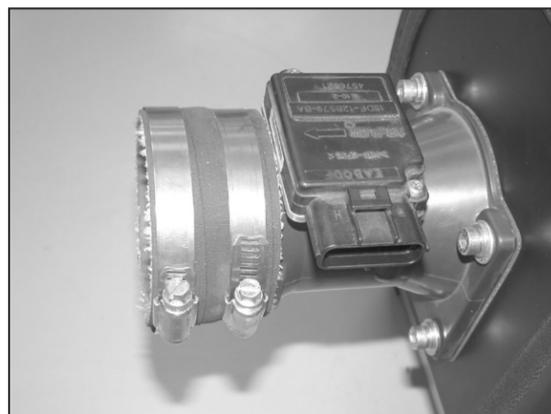
13. Install the provided silicone hose (08696) onto the throttle body with provided hose clamps as shown.



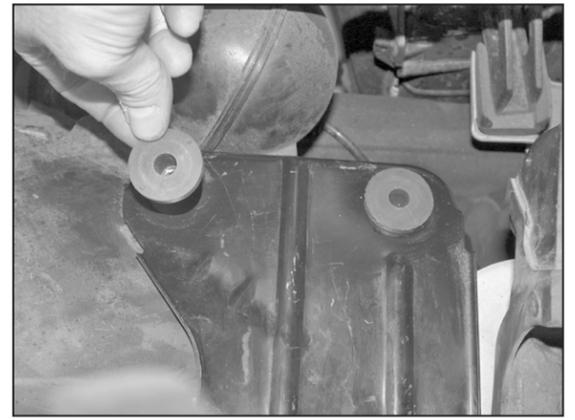
14. Assemble the mass air adaptor, heat shield, gaskets and the mass air sensor as shown using the provided hardware.



15. Install the edge trim onto the heat shield as shown.



16. Install the silicone hose (08190) onto the mass air sensor with the provided hose clamps as shown.



17. Install the two provided nut inserts into the air box mounting bracket as shown.



18. Install the mass air assembly onto the air box mounting bracket and secure with the provided 3/8" bolts.



19. Install the K&N® filtercharger onto the mass air assembly as shown.



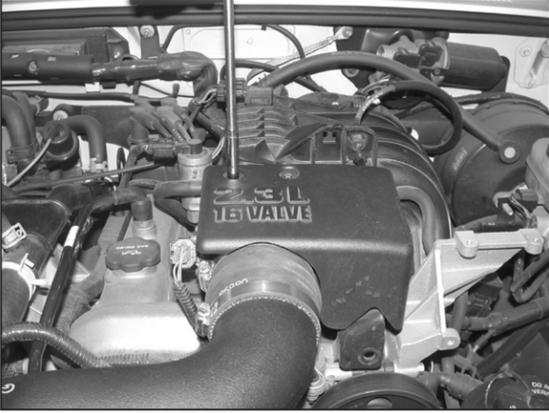
20. Using the provided tie wrap, secure the coolant recovery hose to the inner fender about the K&N® filtercharger.



21. Install the K&N® intake tube onto the mass air assembly and then onto the throttle body as shown.



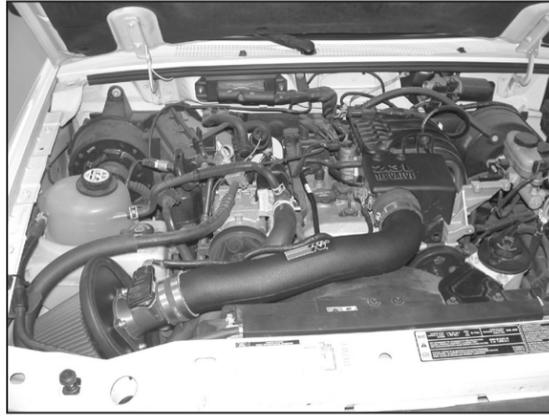
22. Insert the crank case vent into the grommet, as shown.



23. Re-install throttle body cover removed in step #4.



24. Reconnect the mass air sensor electrical connection and secure wire harness in retaining clips onto intake tube.



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

27. 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.

28. 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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