



# INSTALLATION INSTRUCTIONS

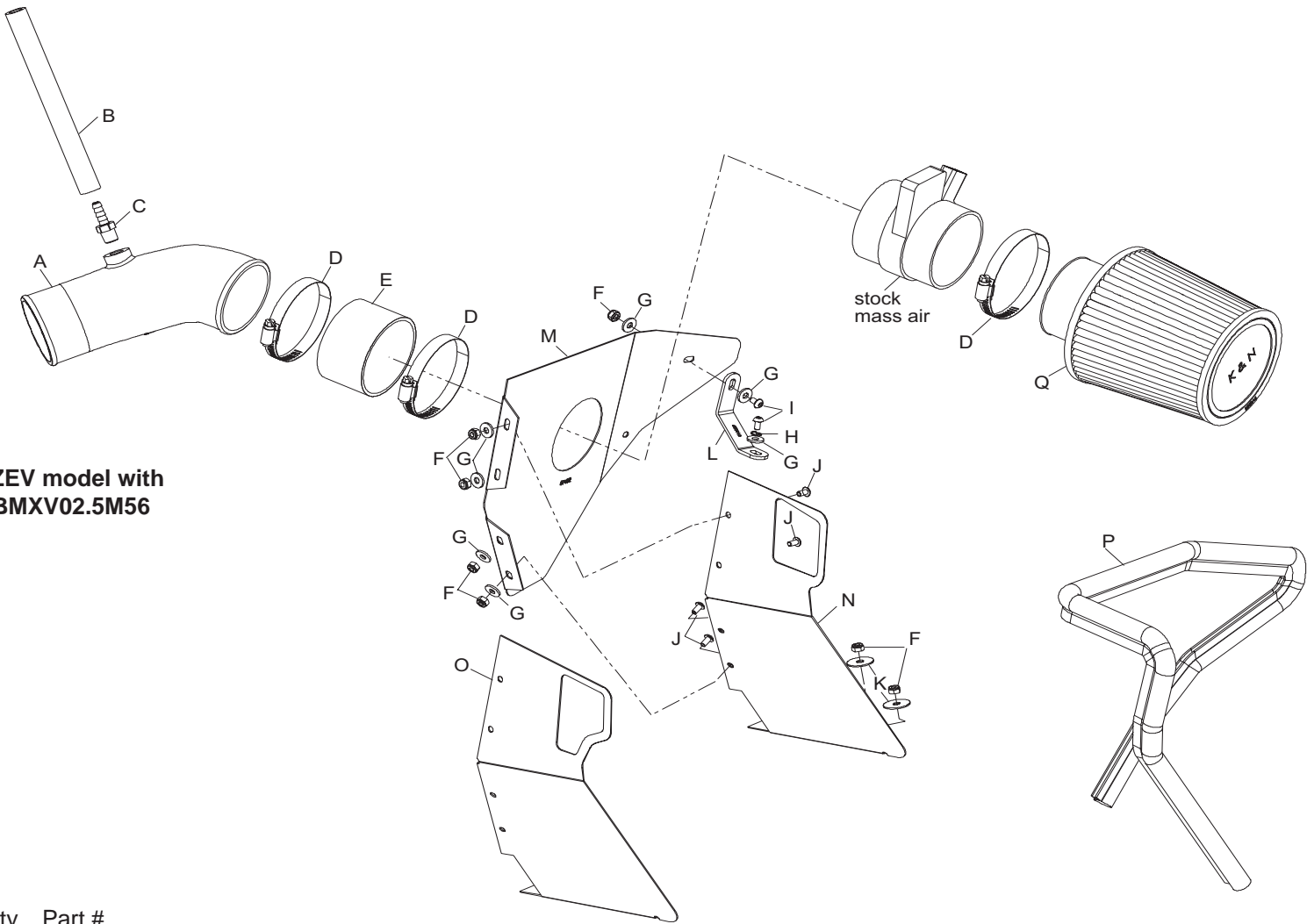
## 57-1002 BMW 3 SERIES (E46)

1999-00 323i, ci  
1999 323iC  
2001-05\* 325i, ci  
L6-2.5L  
1999-00 328i  
2000 328ci  
2002-05 325xi  
L6-2.8L

NOTE: \* Excluding 2003 & 2005 PZEV model with engine family 3BMXV02.5M56 & 5BMXV02.5M56

### TOOLS NEEDED:

Flat Blade Screwdriver  
Ratchet  
Extension  
10mm Socket  
10mm Wrench  
4mm Allen



### PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A intake tube (EL)	1	087139	G washer; 1/4" id x 5/8" od flat	7	08275	M heat shield "A"	1	07492
B hose ; 4mm id x 2" l	1	08062	H washer; 1/4" split lock	1	08198	N heat shield "C"	1	07497
C npt fitting; 1/4" x 5/16" barb	1	08908	I bolt; 6mm-1.00 x 16mm, b/h/a	2	07730	O heat shield "B"	1	07494
D hose clamp #48	3	08601	J bolt; 6mm-1.00 x 12mm, b/h/a	4	07794	P edge trim 46"L	1	102487
E silicone hose 3.25" id x 2" l	1	08690	K washer; 1/4" id x 1" od fender	2	08160	Q air filter	1	RU-4730
F nut; 6mm nylock	7	07553	L bracket	1	010087			

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 wire-locking clip and disconnect the mass air sensor electrical.



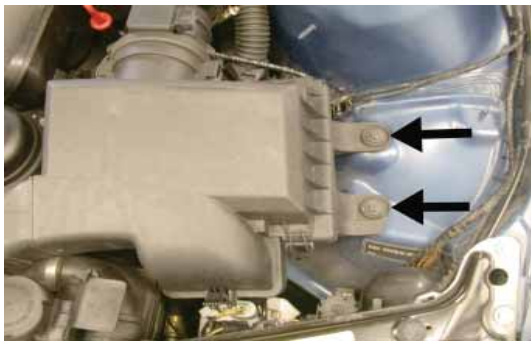
3. Pull up on the four fresh air duct-retaining pins to release them from the radiator core support.



4. Lift up and remove the fresh air duct from the vehicle as shown.  
**NOTE: Disconnect the fresh air tube from the fresh air duct.**



5. Loosen the hose clamp which secures the intake tube to the mass air sensor, and then disconnect the intake tube from the mass air sensor as shown.



6. Remove the two-factory air box mounting bolts shown.





7. Unhook the wiring harness from the rear of the factory air box.



8. Lift up and remove the air box from the vehicle.  
**NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.**



9. Disconnect the vent tube from the factory intake tube as shown.



10. Loosen the lower hose clamp and remove the factory upper intake hose from the lower intake hose.



11. Unstrap the heater hose from the lower air box locator, and then pull up to remove the lower air box locator from the vehicle.



12. Install the provided 1/4" npt fitting into the intake tube as shown.



13. Install the K&N intake tube into the factory lower intake hose and secure the factory hose clamp.  
**NOTE: Do not completely tighten the hose clamp at this time.**



14. Remove the factory fresh air hose from air box as shown.



15. Determine which style fresh air duct is used on your vehicle and choose the corresponding heat shield side panel that matches for assembly.



16. Assemble the heat shield using the side panel selected from step #15 and the hardware provided.



17. Install the provided edge trim onto the heat shield as shown.  
**NOTE: Some trimming of the edge trim may be necessary.**



18. Trim the edge trim 1.5" as shown for clearance at the radiator water neck.  
**NOTE: Trim just the bulb portion of the edge trim leaving the pinched portion of the edge trim on the heat shield.**



19. Release the two clips that secure the mass air sensor to the air box, then remove the mass air sensor as shown.



20. Install the silicone hose (08690) onto the mass air sensor and secure with the provided hose clamp.



21. Carefully using a pair of pliers, remove the wiring harness retaining clip from the inner fender as shown.



22. Install the mass air sensor assembly onto the K&N intake tube and secure with the provided hose clamp.  
**NOTE: Do not completely tighten at this time.**



23. Install the heat shield assembly into the vehicle and secure to the lower air box locating studs with the provided hardware as shown. Pass the mass air sensor through the hole in the heat shield.





24. Reinstall the lower rubber air box locator removed in step #11 and re-secure the heater hose.



25. Secure the wiring harness clip removed in step #21 to the heat shield as shown.



26. Install the provided bracket onto the heat shield and inner fender with the provided hardware shown. **NOTE: The long portion of the bracket should attach to the heat shield.**



27. Install the factory fresh air tube into the heat shield as shown.



28. Reinstall the fresh air duct removed in step #4 and secure with the four factory retaining pins.



29. Using the supplied silicone hose, attach the factory vent hose to the npt fitting on the intake tube.



30. Reconnect the mass air sensor electrical connection.



31. Install the air filter and secure with the hose clamp provided.



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

33. 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.

34. 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. 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., 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 99-5050 or 99-5000.

50-STATE STREET LEGAL



CARB EXEMPT



\* FREE K&N® decal To register your warranty, please see us online at [knfilters.com/register](http://knfilters.com/register). FREE K&N® decal \*

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