



INSTALLATION INSTRUCTIONS

57-2540

FORD / MAZDA

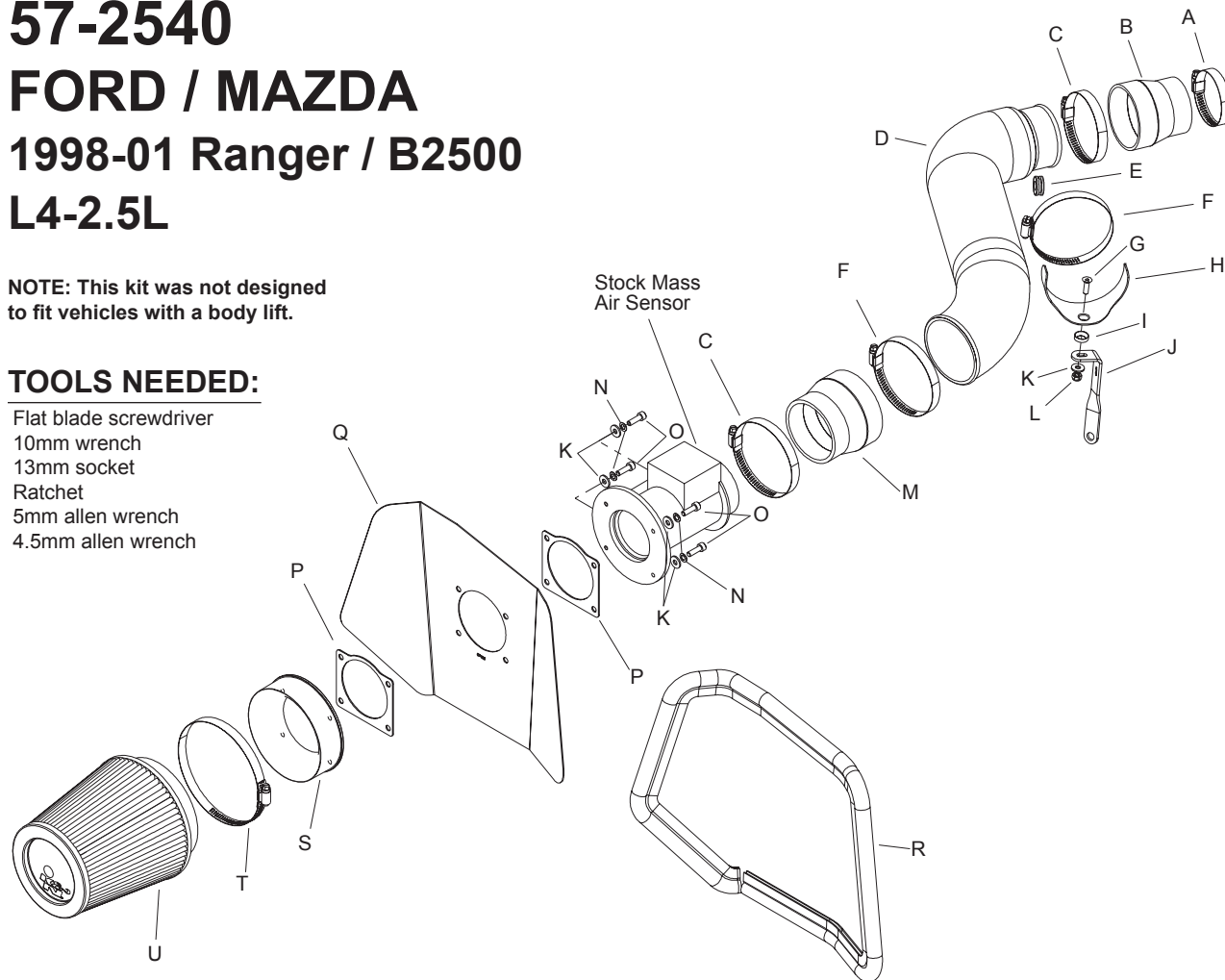
1998-01 Ranger / B2500

L4-2.5L

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

TOOLS NEEDED:

Flat blade screwdriver
10mm wrench
13mm socket
Ratchet
5mm allen wrench
4.5mm allen wrench



PARTS LIST:

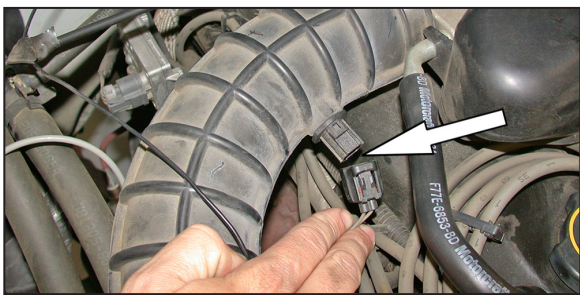
Description	Qty.	Part #
A hose clamp #36	1	08530
B hose; 3" id to 2-1/2" id tprd; silicon	1	08713
C hose clamp #48	2	08601
D intake tube (CM)	1	087064
E grommet 7/16" id	1	08092
F hose clamp #56	2	08620
G bolt 6mm-1.00 x 20mm f/h/a ss	1	08376
H saddle bracket	1	078855
I washer conical, nylon, black	1	08180
J bracket, sm. "L"	1	07157
K washer; 1/4" id x 5/8" od - sae	5	08275
L nut 6mm nylock hexhead	1	07553
M hose; 3.5" id to 3" id tprd; silicone	1	08724
N wave washer	4	08174
O bolt 6mm-1.00 x 20mm allen	4	07852
P gasket; 1/16" neoprene	2	09202
Q heat shield	1	07485
R edge trim 48"L	1	102485
S adaptor #350	1	21510
T hose clamp # 80	1	08694
U filter	1	RF-1037

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.

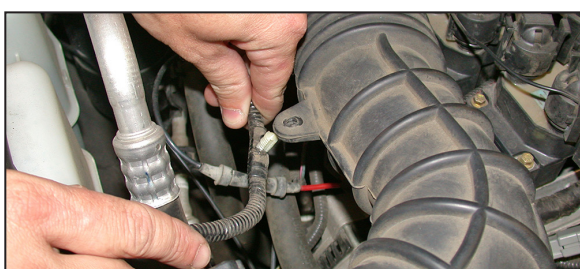
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



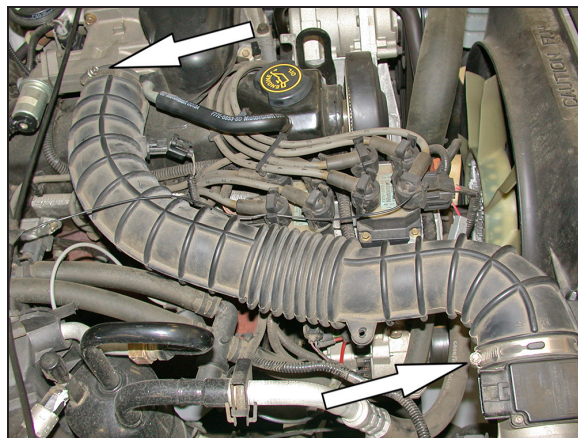
2. Disconnect the air temp. electrical connection.



3. Disconnect the mass air electrical connection as shown.



4. Disconnect the mass air wiring loom from the intake tube as shown.



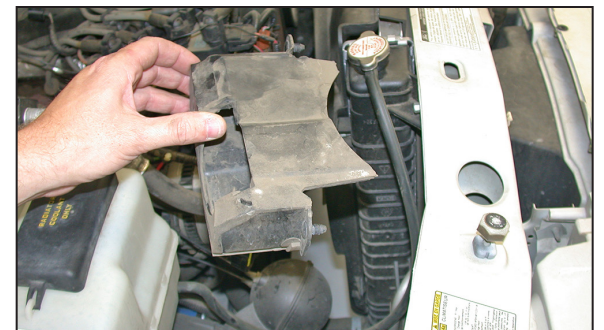
5. Loosen the two hose clamps at the throttle body and the airbox.



6. Remove the intake tube as shown.



7. Using a screwdriver, pry up the bottom of the air cleaner to release from the stock grommets, then remove the air cleaner assembly as shown.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



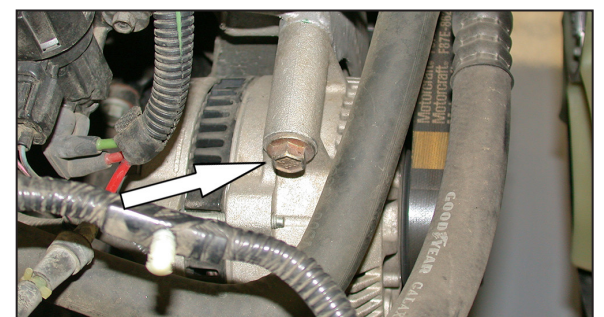
8. Remove the fresh air duct from vehicle.



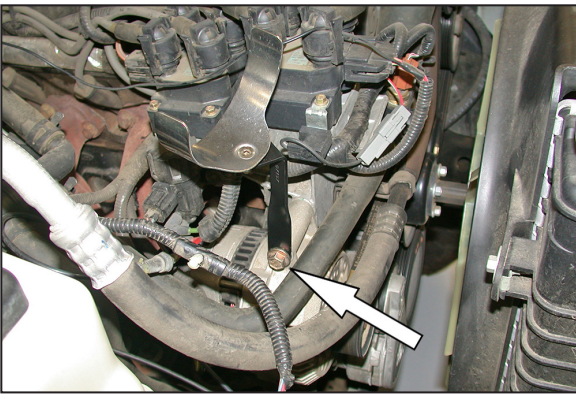
9. Install the provided silicone hose (08713) onto the throttle body with the provided hose clamps.



10. Assemble the saddle bracket onto the provided bracket as shown.



11. Remove the bolt, with a 13mm wrench, that retains the alternator onto the motor.



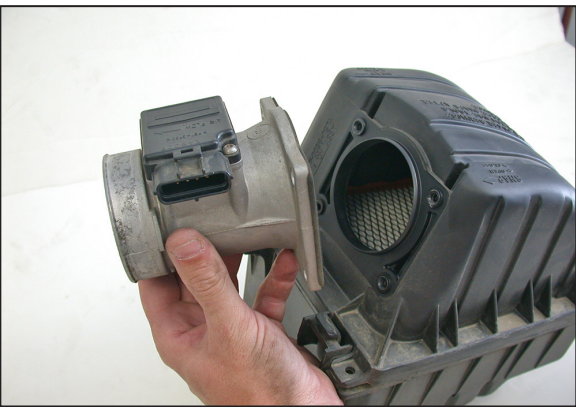
12. Install the saddle bracket assembly onto the alternator with the bolt that was removed in the previous step.



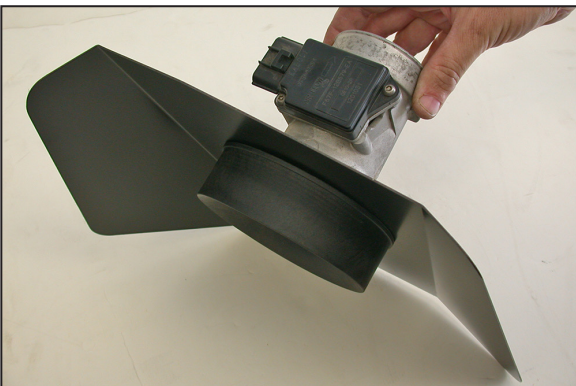
13. Install the provided rubber grommet onto the new K&N® intake tube as shown.



14. Install the new K&N® intake tube onto the throttle body and saddle bracket with the provided hose clamps.
NOTE: do not tighten clamps completely at this time.



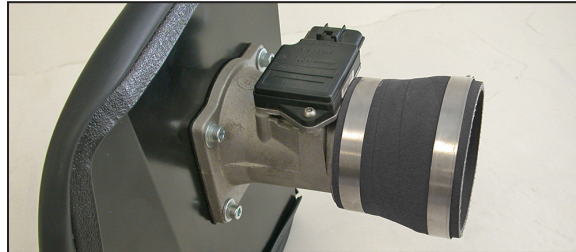
15. Remove the 4 bolts, with a 10mm socket, that secure the mass air onto the airbox, then remove mass air as shown.



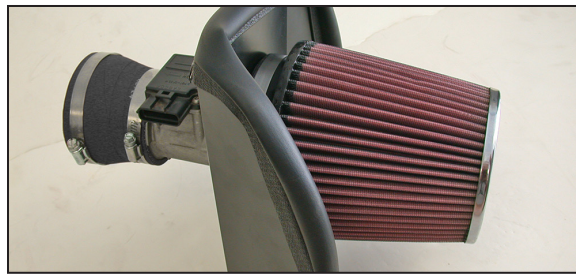
16. Assemble the heat shield and filter adapter onto the mass air sensor with the provided hardware and gasket.



17. Install the edge trim onto the heat shield as shown. Trim if necessary.



18. Install the silicone hose (08724) onto the mass air sensor with the provided hose clamps.



19. Install the K&N® Filtercharger onto the mass air assembly as shown.
NOTE: Drycharger® air filter wrap; part # RF-1037DK is available to purchase separately.



20. Install the mass air assembly onto the new K&N® intake tube then properly position the heat shield assembly into the vehicle and tighten the hose clamps at the throttle body and saddle bracket.



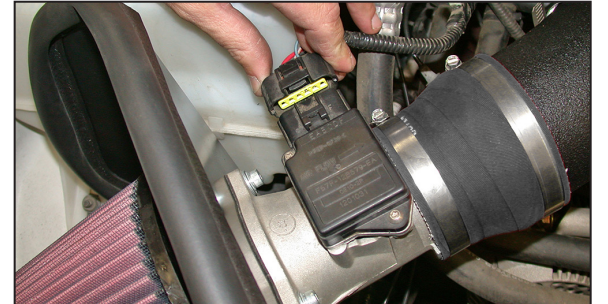
21. Remove the air temp sensor from the stock intake tube as shown.



22. Install the temp sensor into the new K&N® intake tube as shown.



23. Reconnect the air temp electrical connection as shown.



24. Reconnect the mass air electrical as shown.



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.