



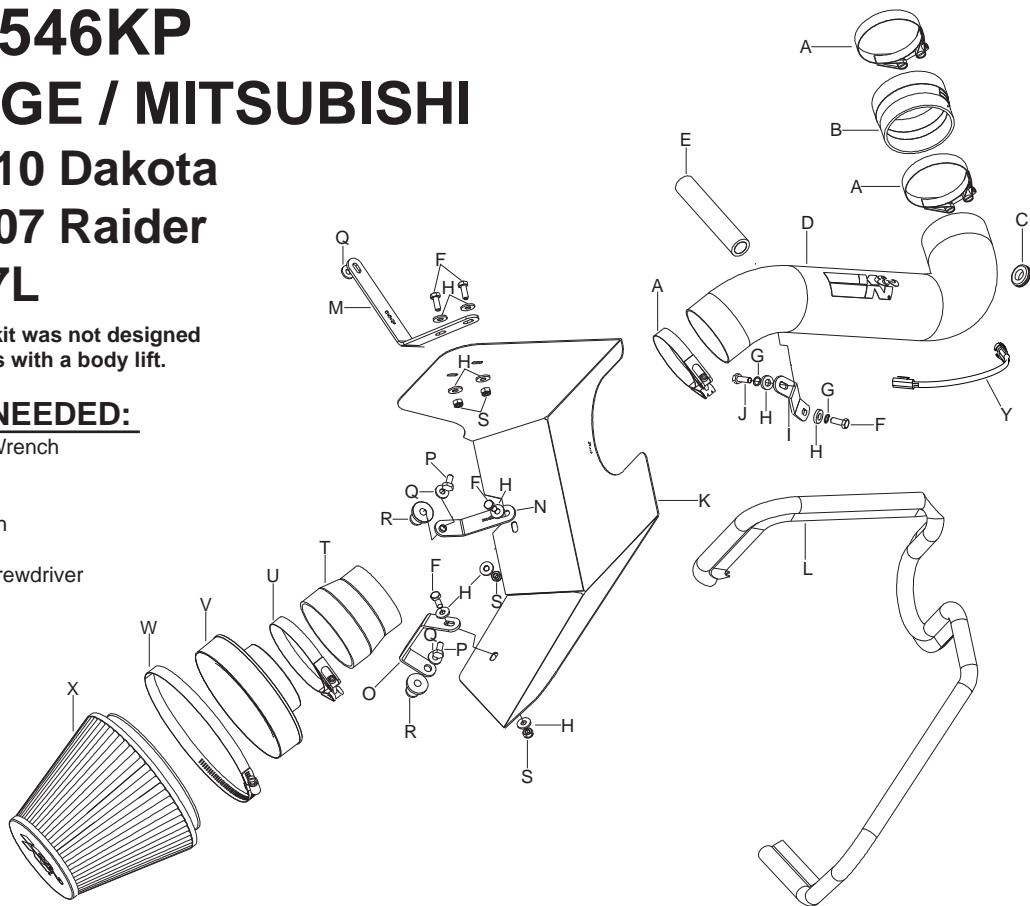
## INSTALLATION INSTRUCTIONS

### 77-1546KP DODGE / MITSUBISHI 2005-10 Dakota 2006-07 Raider V8-4.7L

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

#### TOOLS NEEDED:

10mm Allen Wrench  
10mm Socket  
1/2" Socket  
10mm Wrench  
Extension  
Flat Blade Screwdriver  
Ratchet



#### PARTS LIST:

| Description                             | Qty. | Part #  |
|-----------------------------------------|------|---------|
| A Hose Clamp #48                        | 3    | 08601   |
| B Hose; 3"ID -3-1/8"ID x 2"L, Tprd.     | 1    | 084031  |
| C Grommet; 1"OD, 1/2"ID, 1/4"Thk.       | 1    | 08167   |
| D Intake Tube                           | 1    | 27427   |
| E Hose; 1/2"ID x 9"L, Silicone          | 1    | 08401   |
| F Bolt; M6-1.00 x 16MM HexHd.           | 5    | 07703   |
| G Washer; 1/4" Lock ZN                  | 2    | 08198   |
| H Washer; 1/4"ID x 5/8"OD               | 10   | 08275   |
| I Bracket "Z"                           | 1    | 010121  |
| J Bolt; M6 x 1.00" x 20MM HexHd., SS    | 1    | 07795   |
| K Heat Shield                           | 1    | 07663   |
| L Edge Trim 55"                         | 1    | 102480  |
| M Bracket; Large "L"                    | 1    | 010124  |
| N Bracket; Small "L"                    | 1    | 010122  |
| O Bracket; "C"                          | 1    | 010123  |
| P Bolt; 5/16" - 18 x 1"L, SS            | 2    | 07777   |
| Q Washer; 5/16"ID x 5/8"OD, Flat        | 3    | 08276   |
| R Insert; 5/16-18 x .600OD x .730I Rub. | 2    | 088002  |
| S Nut; 6MM Nylock, HexHd.               | 4    | 07553   |
| T Hose; 3" to 3-1/2" x 3"L Tprd.        | 1    | 084055  |
| U Hose Clamp #56                        | 1    | 08620   |
| V Adapter #380                          | 1    | 21512-1 |
| W Hose Clamp #104                       | 1    | 08697   |
| X Air Filter                            | 1    | RF-1048 |
| Y Extension Harness                     | 1    | 21680   |

#### 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. Loosen the hose clamp at the throttle body and the airbox mounting nut and then disconnect the crankcase vent hose from the inline fitting.



3. Disconnect the stock intake tube from the intake plenum and lift to remove the airbox assembly from the vehicle as shown.

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



4. Depress the locking tab on the air temperature sensor electrical connection and then pull to disconnect the sensor electrical connection.

**NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE TUBE, THROTTLE BODY AND ENGINE.**



5. Loosen and remove the two intake plenum mounting bolts indicated.



6. Lift and remove the intake plenum from the vehicle as shown.



7. Pull the two airbox mounting grommets shown from the inner fender.



8. Install the provided edge trim onto the heat shield as shown.

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



9. Install the "L" bracket (010124) onto the heat shield with the provided hardware as shown.



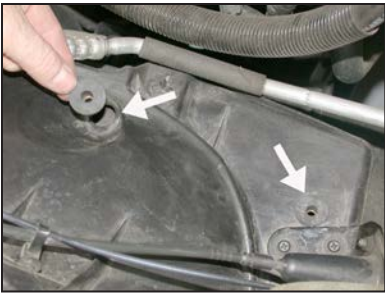
10. Install the "L" bracket (010122) onto the heat shield with the provided hardware as shown.



11. Install the "C" bracket (010123) onto the heat shield with the provided hardware as shown.



12. Install the provided 5/16" washer onto the airbox mounting stud as shown.



13. Install the two threaded inserts into the airbox mounting grommet locations as shown.



14. Install the heat shield assembly and secure with the provided hardware and the factory airbox mounting nut.

**NOTE: Due to manufacturer tolerances, the A/C line may require slight clearance adjustment. Carefully pull the A/C line to obtain approximately 3/4" clearance to the heatsheild.**



15. Install the provided silicone hose (084031) onto the throttle body and secure with the provided hose clamp as shown.



16. Twist the air temperature sensor counter clockwise and remove it from the stock intake plenum.

**NOTE: Take care, as the air temperature sensor is very fragile.**



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



18. Remove the O-ring from the air temp. sensor as shown.



19. Install the sensor into the grommet installed in step #17.

**NOTE: Take care installing the air temperature sensor, as it is very fragile.**



20. Install the tube mounting bracket (010121) onto the K&N intake tube as shown using the provided hardware.



21. Install the K&N intake tube into the silicone hose at the throttle body and position so that the mounting bracket aligns with the plenum mounting location. Then secure with the provided hardware.



22. Reconnect the air temperature sensor electrical connection as shown.

**NOTE: It may be necessary to use the provided temperature sensor wiring harness extension on some models due to factory wiring harness changes.**



23. Install the provided crankcase vent hose onto the factory crankcase vent fitting and then onto the K&N intake tube as shown.

**NOTE: Some trimming of the vent hose may be required.**



24. Install the air filter adapter into the K&N air filter as shown and secure with the provided hose clamp.



25. Install the silicone hose (084055) onto air filter adapter as shown and secure with the provided hose clamp as shown.



26. Install the air filter assembly onto the K&N intake tube and secure with the provided hose clamp as shown.



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

28. 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.

29. 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 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.