

INSTALLATION INSTRUCTIONS

69-2549

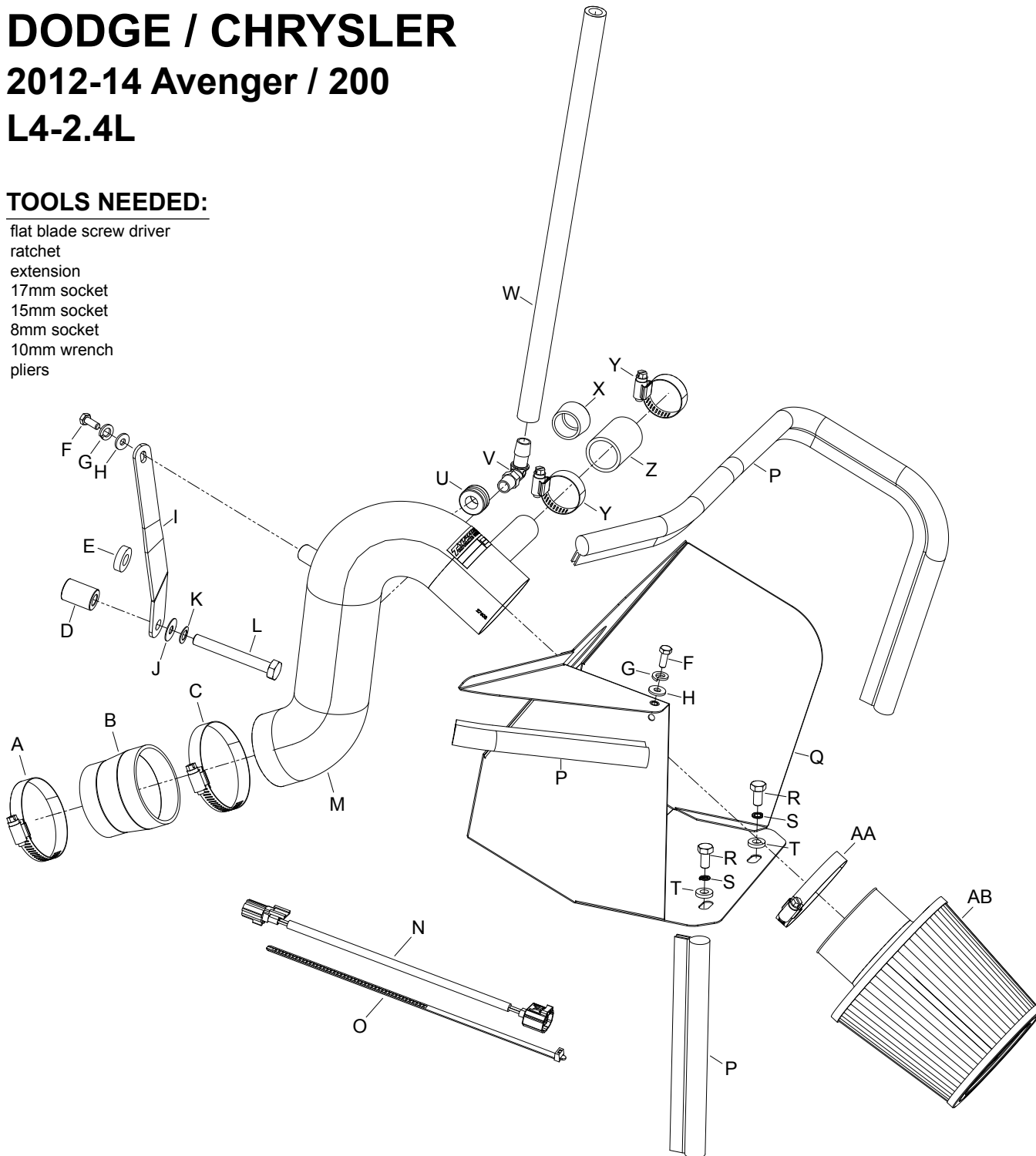
DODGE / CHRYSLER

2012-14 Avenger / 200

L4-2.4L

TOOLS NEEDED:

flat blade screw driver
ratchet
extension
17mm socket
15mm socket
8mm socket
10mm wrench
pliers



PARTS LIST:

Description	Qty.	Part #
A Hose Clamp #40	1	08554
B Hose; 2-3/4" To 2-1/2"ID X 2-1/2"	1	084016
C Hose Clamp #44 Stainless	1	08560
D Sapcer; .812 OD X .413 ID X .1	1	2-684
E Sapcer; 0.937"OD X .437"ID	1	21715
F Bolt; 6MM-1.00 X 16MM, SS	2	07812
G Washer; M6 Split Lock Zinc	2	1-3025
H Washer; 1/4"ID X 5/8"OD- SAE	2	08275
I Bracket; Twist, 69-2542, STL,	1	064307
J Washer; 3/8" Flat Washer, SS	1	08134
K Washer, 10MM wave	1	08175
L Bolt; M10-1.5 X 80MM Hex, SS	1	22250
M Intake Tube	1	27603TS
N Extension harness; Dodge IAT	1	21680
O Cable Ties; 11" Black	1	21590
P Edge Trim (66")	1	102472
Q Heat Shield	1	073150
R Bolt; 8MM-1.25 X 16MM	2	07844
S Washer; M8 Split Lock Zinc	2	1-3036
T Washer; 5/16"ID X 5/8"OD, Flat	2	08276
U Grommet; 1"OD, 1/2"ID, 1/2"THK	1	08064
V Vent; 90DEG, 1/2"Hose, 1/4"NPT	1	08110FK
W Hose; 1/2"ID X 17"L	1	08177
X Caplug; 15/16" ID, 3/4"L, BLK	1	08246
Y Hose Clamp#16	2	08413
Z Hose; 1-1/8"ID X 2"L	1	084074
AA Hose Clamp #44	1	08577
AB Air Filter	1	RU-4960

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. Lift up and remove the engine cover.



3. Disconnect the crank case vent hose from the valve cover port.



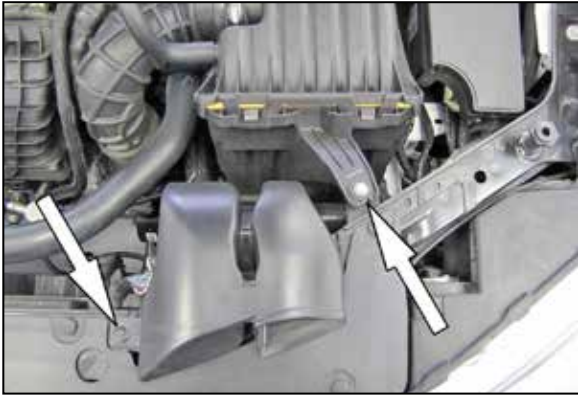
4. Disconnect Inlet air temperature sensor electrical connection.



5. On vehicles that are equipped with air injection, release the spring clamp securing the air injection hose and then disconnect the air injection hose from the factory intake tube.



6. Loosen the hose clamp that secures the factory intake hose to the throttle body and then disconnect the intake hose from the throttle body.



7. Loosen and remove the bolt which secures the factory air box to the core support and then remove the retaining pin securing the fresh air intake to the core support.



8. Remove the factory intake and air filter assembly from the vehicle.
NOTE: K&N Engineering, Inc., recommends that customers do not discard factory air intake.



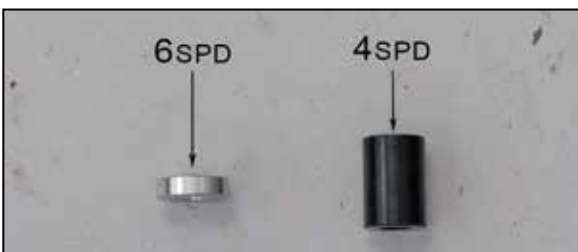
9. Remove the two air box mounting studs shown from the inner fender.



10. Remove the air box mounting clip nut from the core support.



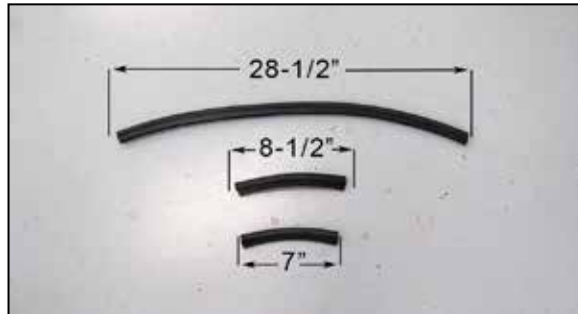
11. Install the provided silicone hose (084016) onto the throttle body and secure with the provided hose clamp.



12. Choose the correct spacer to be used for the tube mounting bracket per transmission application. 4spd transmission will use the longer spacer and 6spd transmission will use the shorter spacer.



13. Install the tube mounting bracket (064307) as shown using the provided hardware.
NOTE: It may be necessary to loosen and reposition the ground wires for ease of access.
NOTE 2: On 4spd equipped vehicles, the bracket will be mounted with the provided bolt, washers and long spacer directly to the engine block threaded into the starter ear. On 6spd equipped vehicles, it will be necessary to remove the stock bell housing/starter mounting bolt, use the small spacer and factory bolt in the same location.



14. Cut the provided edge trim into the following lengths. 28-1/2", 8-1/2", 7"



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



16. Install the heat shield onto the inner fender and secure with the provided hardware.



17. Remove the inlet air temperature sensor from the factory air box.



18. Install provided grommet and factory inlet air temperature sensor into the K&N® intake tube as shown.

NOTE: be sure to remove the O ring from the sensor before it is installed into the grommet and K&N® intake tube.



19. Install the 90° vent fitting into the K&N® intake tube as shown.

NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.



20. Install the K&N® intake tube into the heat shield and silicone hose at the throttle body, align with the mounting bracket and then secure with the provided hardware.

NOTE: be sure that the engine harness is not allowed to rub on the tube mounting bolt, secure the harness away if necessary.



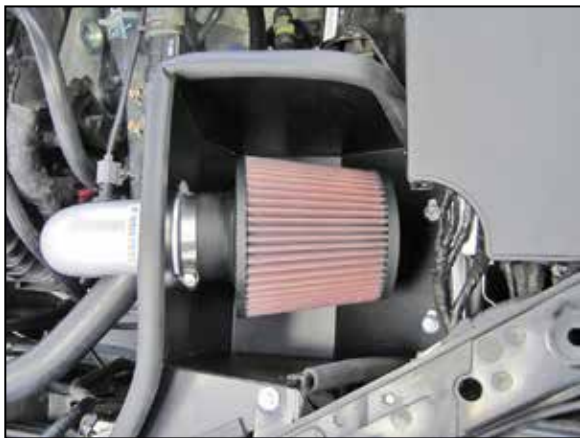
21. Connect the provided extension harness into the factory inlet air temp connector and then connect the open end to the inlet air temperature sensor. Secure the harness with the provided wire tie.



22. Install the provided crank case vent hose to the valve cover port and then connect the open end to the fitting installed into the K&N® intake tube as shown.



23. On vehicles equipped with air injection, connect the air injection hose to the K&N® intake tube using the provided coupling hose and clamps. On vehicles that are not equipped with air injection, install the provided cap and secure with the provided hose clamp.



24. Install the K&N® air filter and secure with the provided hose clamp.

NOTE: Drycharger® air filter wrap; part # RX-4990DK is available to purchase separately. To learn more about Drycharger® filter wraps or look up color availability please visit <http://www.knfilters.com>®.



25. Reinstall the engine cover.



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

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.

LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES WHICH MAY NEVER BE USED, REGISTERED OR LICENSED FOR USE UPON A HIGHWAY.

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