



INSTALLATION INSTRUCTIONS

21-847C (Gun Metal Gray Finish)

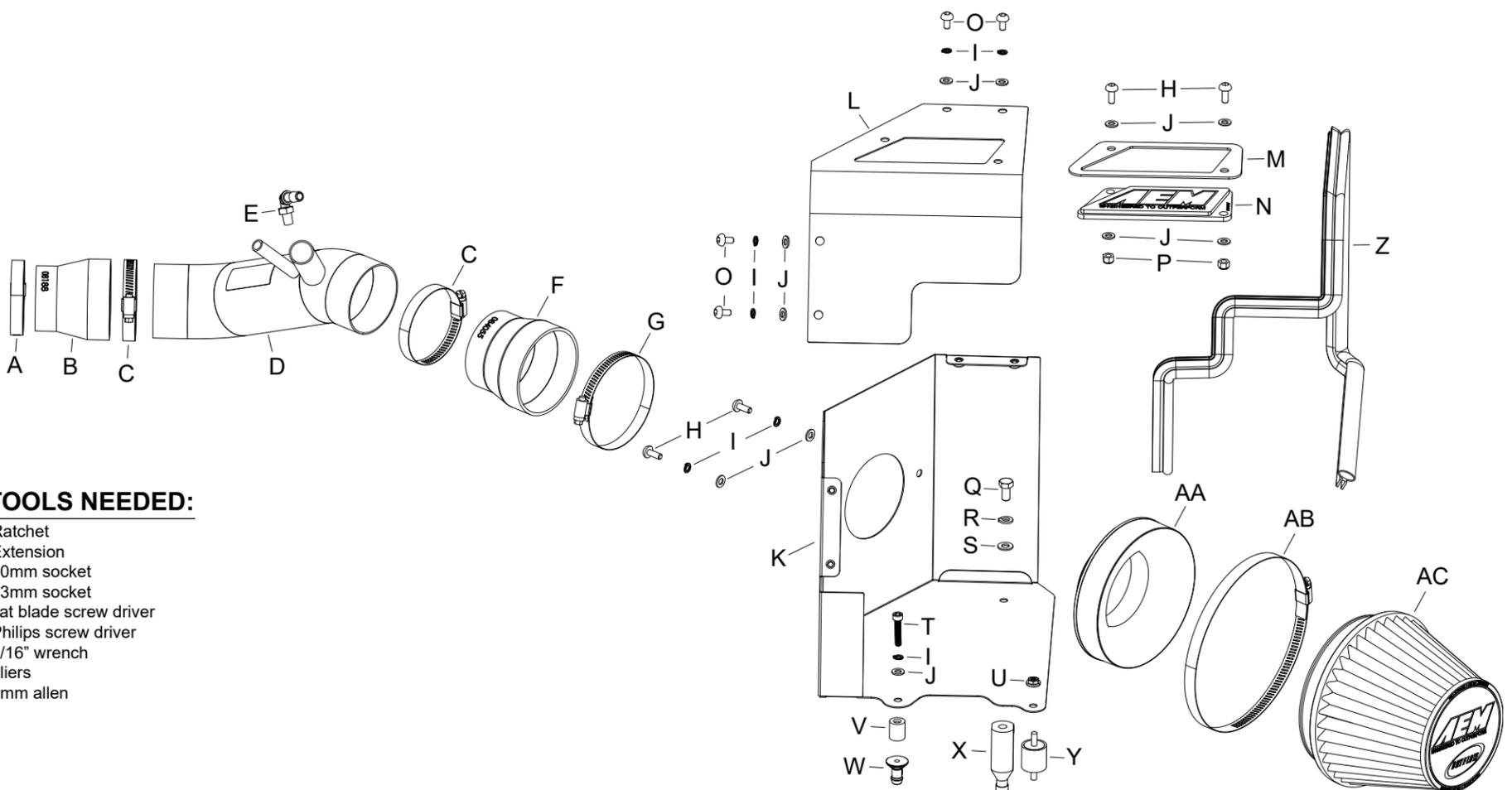
KIA

2017-18 Sportage

L4-2.0L

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.

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



TOOLS NEEDED:

Ratchet
Extension
10mm socket
13mm socket
flat blade screw driver
Phillips screw driver
9/16" wrench
pliers
4mm allen

PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP; #40	1	08554	K HEAT SHIELD	1	20-8629	U NUT; SERRATED M6	1	KIT20WFCZ060
B HOSE; 3"ID TO 2-3/8"ID X 3"L	1	08188	L HEAT SHIED LID	1	20-8630	V THREADED BOSS; 5/8"OD	1	081004
C HOSE CLAMP; #48	2	08601	M SPACER; ALUM BADGE	1	7-364	W MOUNT, PLASTIC AIRBOX	1	8-186-1
D INTAKE TUBE	1	2-1619	N PLATE; AEM LOGO, CLEAR	1	8-211	X STANDOFF; AIRBOX	1	06532
E FITTING; VENT 1/4NPT, 90DEG.	1	08523	O BOLT; M6 X 1.00 X 16MM, SS	4	07730	Y MOUNT, RUBBER 1" X 6MM	1	1228599
F HOSE, ADAPTER 3.00/3.50X3	1	084055	P NUT; 6MM NYLOCK, HEXHEAD	2	07512	Z EDGE TRIM; 3/4" BULB, TOP	1	102486
G HOSE CLAMP; #56	1	08620	Q BOLT; 8MM-1.25 X 16MM	1	07844	AA ADAPTER; UNIVERSAL, 6"	1	21512-1
H BOLT; M6 X 1.00" 12MM, SS	4	07794	R WASHER; M8 SPLIT LOCK ZINC	1	1-3036	AB 1/2" BNDHOSE CLAMP, 4.125	1	94104
I WASHER; M6 SPLIT LOCK ZINC	7	1-3025	S WASHER; 8MM, FLAT, SS	1	08272	AC AIR FILTER; 4" X 7" DRYFLOW	1	21-209DK
J WASHER; 6MM FLAT, SS	11	08269	T BOLT; M6-1 X 30MM, SOCKET	1	1-2020			

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

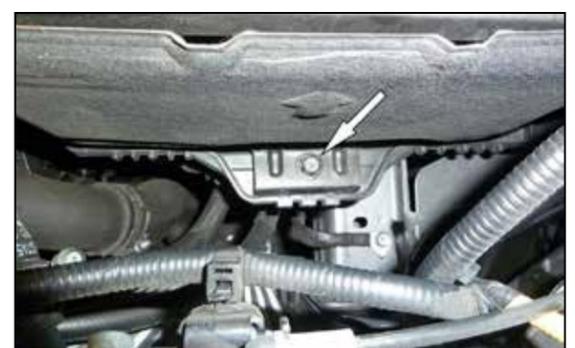
Read and understand these instructions BEFORE attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

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. Remove the two pins that secure the fresh air intake duct to the core support and then remove the fresh air intake duct from the vehicle.



3. Remove the bolt that secures the battery hold down and then slide the battery forward to gain access.



4. Loosen the hose clamp that secures the intake tube to the air filter housing.



5. Remove the bolt that secures the air filter housing into the vehicle and then remove the air filter housing from the vehicle.



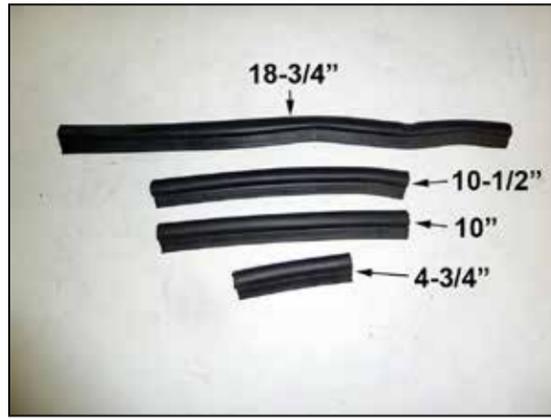
6. Release the spring clamps that secure the vent lines to the factory intake hose and then disconnect the vent lines from the intake hose.



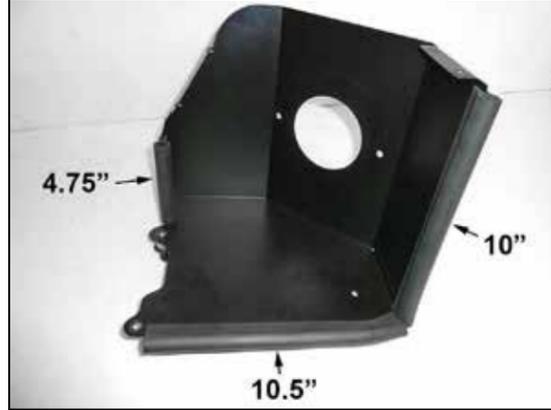
7. Loosen the hose clamp that secures the factory intake hose to the turbo inlet and then remove the intake hose from the vehicle.



8. Install the provided coupling hose (08188) onto the turbo inlet and secure with the provided hose clamp.



9. Cut the provided edge trim into four sections of 18-3/4", 10-1/2", 10" and 4-3/4".



10. Install the 10.5", 10.0" and 4.75" edge trim onto the heat shield as shown.



11. Install the two provided mounting studs onto the heat shield.

NOTE: be sure to use the provided spacer and longer bolt for the mount on the right side of the heat shield when it is upside down as in the picture.



12. Install the provided filter adapter into the heat shield and secure with the provided hardware.



13. Install the air filter onto the adapter and secure with the provided hose clamp.



14. Install the provided window logo into the heat shield lid and secure with the provided hardware.



15. Install the remaining 18.75" section of the edge trim onto the heat shield as shown.



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



17. Install the provided coupler (084055) onto the filter adapter and secure with the provided hose clamp.



18. Install the provided rubber mounted stud onto the factory air filter housing mounting location as shown.



19. Install the AEM® air filter assembly so the mounting studs insert into the mounting grommets and then secure to the rubber mounted stud using the provided hardware.



20. Slide the battery back into position and secure with the factory hardware.



21. Install the provided 90° vent fitting into the AEM® intake tube as shown.



22. Install the AEM® intake tube into the couplers, align the tube for best fit and then secure with the provided hose clamps.



23. Connect the 3 vent lines to the fittings in the intake tube and secure with the factory spring clamps.



24. Reinstall the fresh air intake duct and secure with the factory retaining pins.



Reassemble Vehicle

Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened. Reconnect negative battery terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

Service and Maintenance

AEM Induction Systems 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, purchase our Synthetic air filter cleaner, part number 99-0624 and follow the easy instructions. Use window cleaner to clean your powder coated AEM® intake tube.

NOTE: DO NOT USE aluminum polish on powder coated AEM® intake tubes.

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AEM Air Intake System Warranty Policy

AEM® warrants that its intake systems will last for the life of your vehicle. AEM will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM warranty claims.