



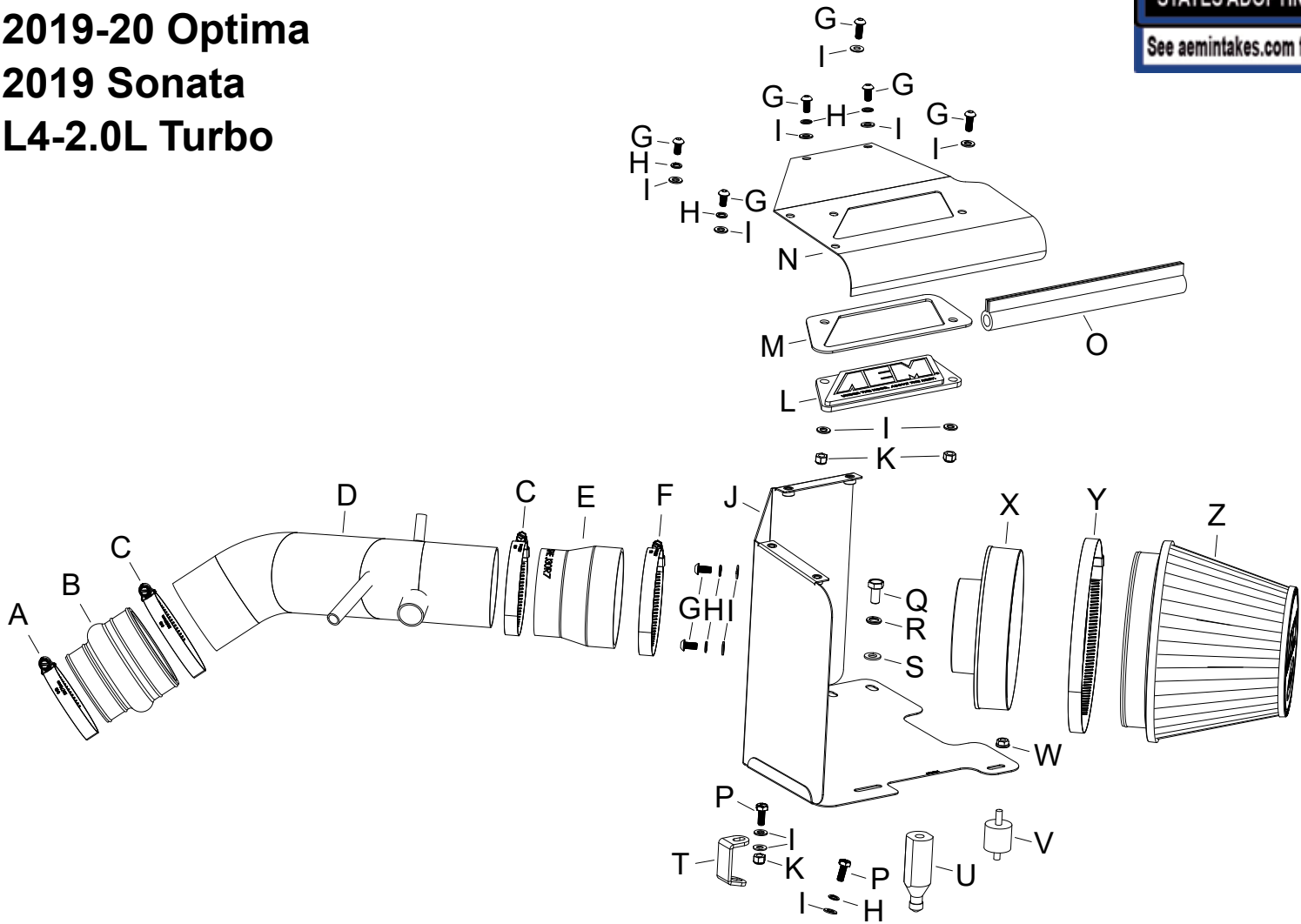
INTAKE SYSTEM

INSTALLATION INSTRUCTIONS

21-876C
KIA / HYUNDAI
2019-20 Optima
2019 Sonata
L4-2.0L Turbo

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:
- 10mm wrench
 - 13mm wrench
 - flat blade screw driver
 - ratchet
 - extension
 - 10mm socket
 - 4mm allen key
 - pliers



PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP #40	1	08554	J HEAT SHIELD; MILS STL.	1	073301	S WASHER; 8MM, FLAT, SS	1	08272
B HOSE; HUMP 2.5"/3" X 3"	1	5-574	K NUT; 6MM NYLOCK, HEXHEAD	3	07553	T BRACKET; HYUNDAI	1	32-3095
C HOSE CLAMP #48	2	08601	L PLATE; AEM LOGO, CLEAR	1	8-211-1	U STANDOFF; AIRBOX	1	06532
D TUBE; 3"OD X 11"L, (PC)	1	2-1513C	M SPACER; ALUM CLEAR BADGE	1	7-364	V MOUNT, RUBBER 1" X 6MM	1	1228599
E HOSE, ADAPTER 3.00/3.50X2.5	1	5-1046	N LID; HEAT SHIELD MILD STL.	1	073275	W NUT; M6, HEX, SERRATED	1	444.460.04
F HOSE CLAMP #56	1	08620	O EDGE TRIM; 3/4"BULB	1	102465	X ADAPTER; UNIVERSAL, 6"	1	21512-1
G BOLT; M6 X 1.00 X 16MM, SS	8	07730	P BOLT; 6MM-1.00 X 16MM, SS	2	07812	Y 1/2" BNDHOSE CLAMP	1	94104
H WASHER, M6 SPLIT LOCK ZINC	7	1-3025	Q BOLT; 8MM-1.25 X 16MM	1	07844	Z AIR FILTER; 6" X 5" X 4.75"	1	21-209DK
I WASHER; 6MM FLAT, SS	13	08269	R WASHER, M8 SPLIT LOCK ZINC	1	1-3036			

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.

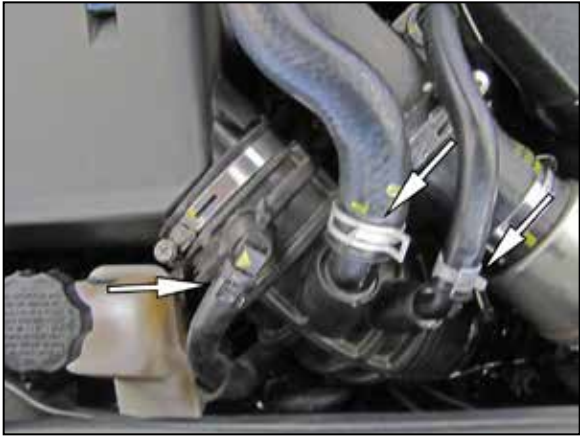
Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

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.



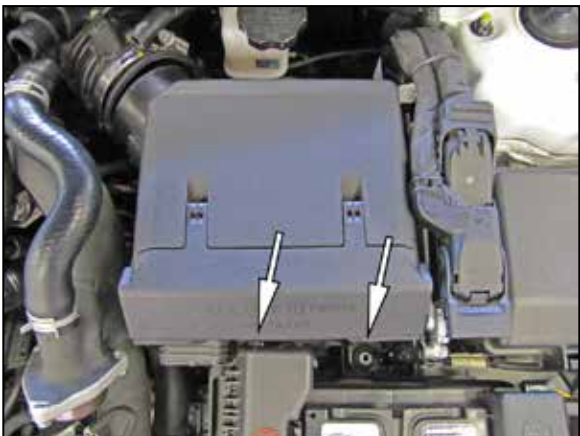
2. Firmly pull the fresh air duct upwards to release it from the vehicle and set aside.



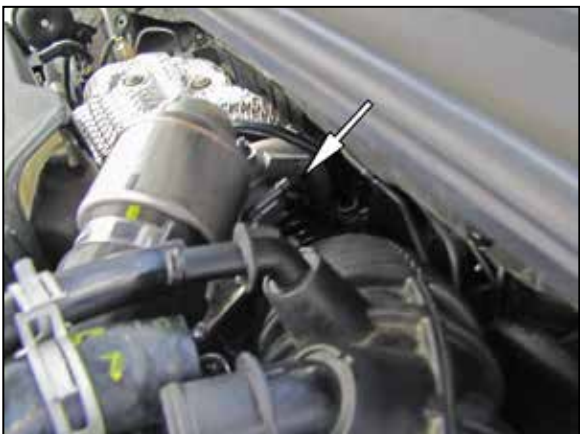
3. Release the spring clamps securing the three vent lines to the factory intake tube and then disconnect the vent lines from the intake tube.



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



5. Remove the two bolts that secure the factory air filter housing and remove the housing from the vehicle.
NOTE: AEM recommends that customers do not discard factory air intake.



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



7. Install the bracket onto the battery tray as shown using the hardware provided.



8. Install the rubber mounted stud onto the battery tray as shown.



9. Install the radius adapter into the heat shield using the provided hardware.



10. Install the mounting stud onto the heat shield and secure with the provided hardware.



11. Install the heat shield assembly into the vehicle and secure with the provided hardware.



12. Install the step coupler onto the filter adapter and secure with the provided hose clamp.



13. Install the hump coupler onto the turbo inlet and secure with the provided hose clamp.



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



15. Connect the three vent hoses to the AEM® intake tube and secure with the factory spring clamps.



16. Install the AEM® air filter onto the filter adapter and secure with the provided hose clamp.



17. Install the AEM® window and spacer into the heat shield lid and secure with the provided hardware.



18. Install the edge trim into the heat shield lid as shown.



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



20. Reinstall the fresh air duct.



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.