



# TYPHOON INTAKE SYSTEMS

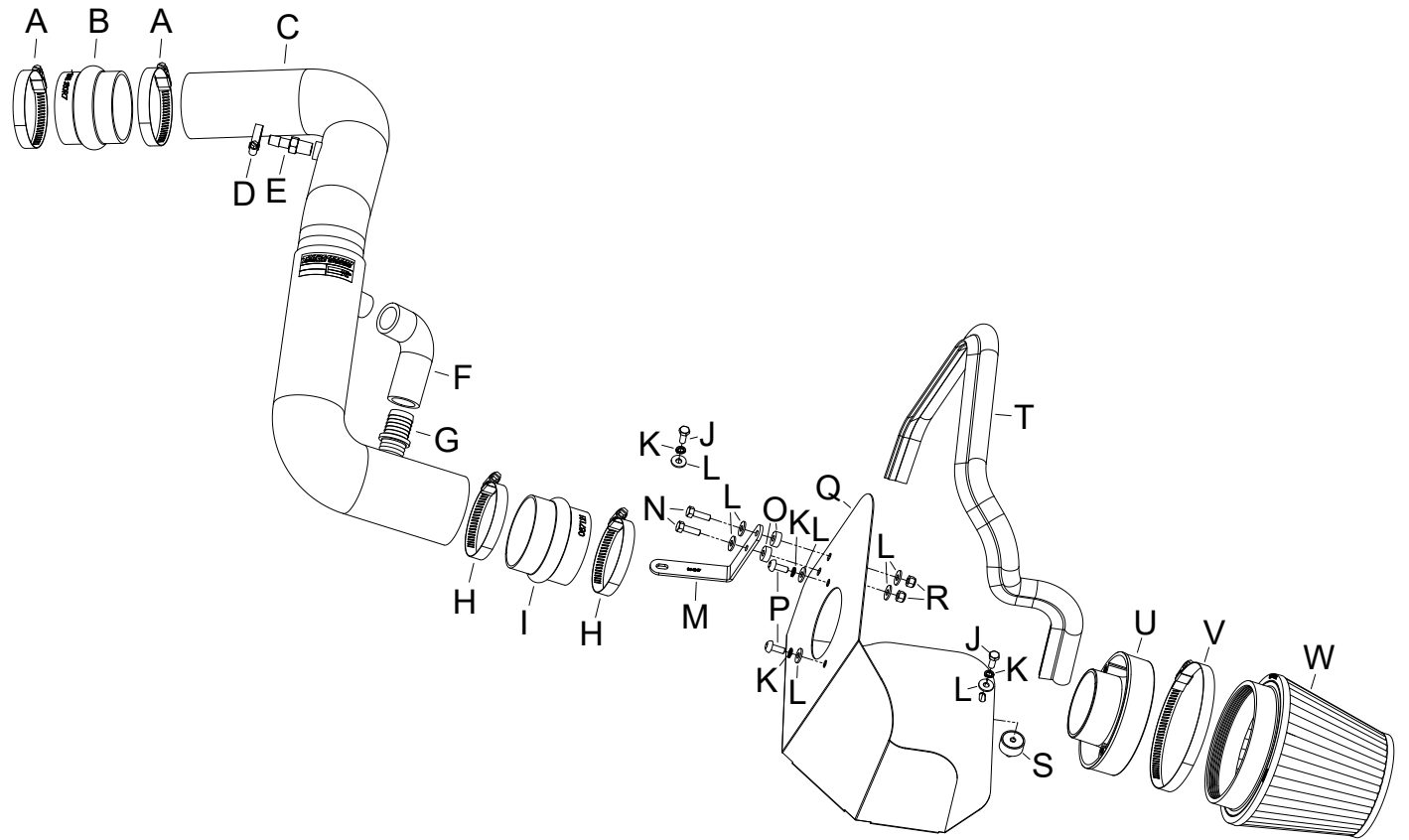
NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.  
See knfilters.com for CARB status on each part for a specific vehicle

## INSTALLATION INSTRUCTIONS

### 69-5317TS HYUNDAI 2017-18 Elantra Sport L4-1.6 Turbo

#### TOOLS NEEDED:

flat blade screw driver  
ratchet  
extension  
10mm socket  
10mm wrench  
4mm allen  
pliers



#### PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP #44 STAINLESS	2	08560	I HOSE; 3" ID X 2-1/2" L HUMP	1	087121	Q HEAT SHIELD	1	073249
B HOSE; 2-3/4" ID X 2-1/2" L	1	08185	J BOLT; 6MM-1.00 X 16MM, SS	2	07812	R NUT; 6MM NYLOCK, HEXHEAD	2	07512
C INTAKE TUBE	1	27673	K WASHER, M6 SPLIT LOCK ZINC	4	1-3025	S STUD; RUBBER MNT, M/F, 1/2"L	1	070228
D HOSE CLAMP #004	1	21850	L WASHER; 6MM FLAT, SS	8	08269	T EDGE TRIM (30")	1	102489
E VENT; STRT, 3/8"HOSE, 1/4"	1	08047	M BRACKET; "L", 63-5317, STL.	1	064347	U ADAPTER; FILTER, 3.0"OD	1	21569
F HOSE; 1" ID X 11" L W/ 1" L 90	1	08479	N BOLT; M6 X 1.00" X 20MM HEX	2	07795	V FILTER CHARGER	1	RU-5147
G VENT; STRT, 1" X 1" BARBED	1	08296	O SPACER: .625" OD X .250"ID	2	06555	W HOSE CLAMP; #80	1	08694
H HOSE CLAMP #48	2	08601	P BOLT; M6 X 1.00 X 16MM, SS	2	07730			

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.

**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. Release the spring hose clamps that secure the crank case vent hose and air injection hose to the factory intake tube and then disconnect the hoses from the factory intake tube.



3. Loosen the hose clamp that secures the factory intake tube to the turbo inlet.



4. Release the two retaining clips that secures the air filter upper housing and then remove the intake tube and the air filter housing from the vehicle.



5. Remove the three bolts that secure the lower air filter housing to the inner fender and then remove the lower housing from the vehicle.

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



6. Install the provided rubber mounted stud into the air filter mounting location on the inner fender as shown.



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



8. Install the provided "L" bracket (064347) onto the heat shield using the provided spacers and hardware.

**NOTE: The spacers are to be placed between the heat shield and bracket.**



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

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



10. Install the heat shield into the vehicle and secure it to the rubber mounted stud and inner air filter housing mount with the provided hardware.



11. Install the provided coupler hose (08185) onto the turbo inlet and secure with the provided hose clamp.



12. Install the provided coupler hose (087121) onto the filter adapter and secure with the provided hose clamp.



13. Measure 8-3/4" from the end of the provided air injection hose and then cut the hose.



14. Install the provided union into the 90° portion of the cut crank case vent hose as shown.



15. Install the crank case vent hose assembly and the 1/4npt vent fitting onto 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.**



16. Install the K&N® intake tube assembly into the coupling hose at the turbo and then into the coupling hose at the filter adapter, adjust the tube for best fit and then secure with the provided hose clamps.



17. Connect the crank case vent hose to the 1/4npt fitting and secure with the provided hose clamp. Connect the factory air injection hose to the union installed into the 90° hose as shown.



18. Install the K&N® air filter onto the filter adapter and secure with the provided hose clamp.



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

20. 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.

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