

TYPHOON INTAKE SYSTEMS



Warning: Please follow these installation instructions carefully. The K&N Drycharger included in this kit must be installed on the K&N air filter when used with a K&N Typhoon Cold Air Intake System. The K&N Typhoon Intake System is a performance product that can be used safely during mild weather conditions. During hard and inclement weather conditions, you must convert your Cold Air Intake System into a short ram configuration, or return your vehicle to the stock OEM airbox and intake tract configuration. Failure to follow these instructions can void your warranty.

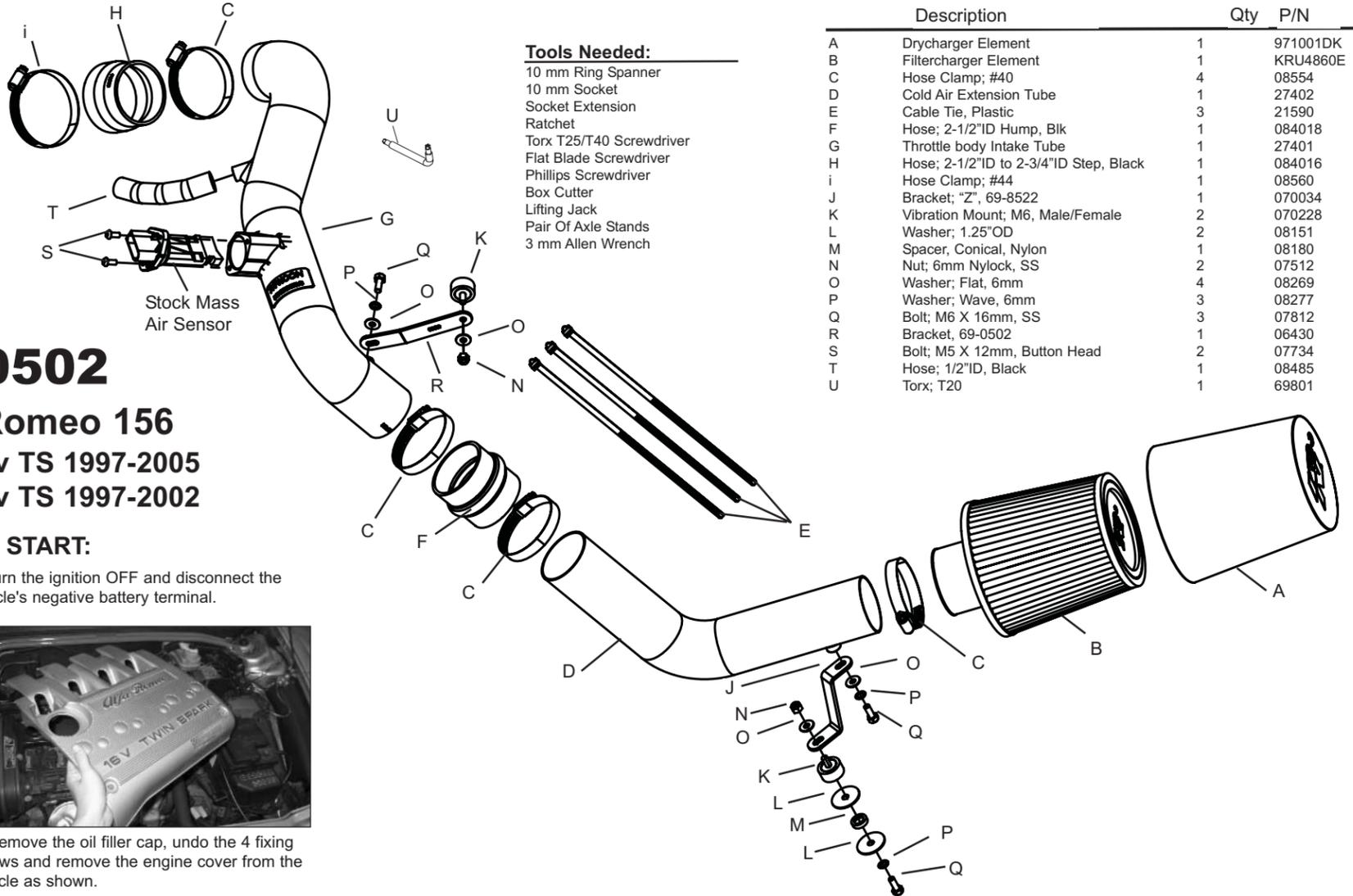
INSTALLATION INSTRUCTIONS

PARTS LIST

	Description	Qty	P/N
A	Drycharger Element	1	971001DK
B	Filtercharger Element	1	KRU4860E
C	Hose Clamp; #40	4	08554
D	Cold Air Extension Tube	1	27402
E	Cable Tie, Plastic	3	21590
F	Hose; 2-1/2"ID Hump, Blk	1	084018
G	Throttle body Intake Tube	1	27401
H	Hose; 2-1/2"ID to 2-3/4"ID Step, Black	1	084016
i	Hose Clamp; #44	1	08560
J	Bracket; "Z", 69-8522	1	070034
K	Vibration Mount; M6, Male/Female	2	070228
L	Washer; 1.25"OD	2	08151
M	Spacer, Conical, Nylon	1	08180
N	Nut; 6mm Nylock, SS	2	07512
O	Washer; Flat, 6mm	4	08269
P	Washer; Wave, 6mm	3	08277
Q	Bolt; M6 X 16mm, SS	3	07812
R	Bracket, 69-0502	1	06430
S	Bolt; M5 X 12mm, Button Head	2	07734
T	Hose; 1/2"ID, Black	1	08485
U	Torx; T20	1	69801

Tools Needed:

- 10 mm Ring Spanner
- 10 mm Socket
- Socket Extension
- Ratchet
- Torx T25/T40 Screwdriver
- Flat Blade Screwdriver
- Phillips Screwdriver
- Box Cutter
- Lifting Jack
- Pair Of Axle Stands
- 3 mm Allen Wrench



69-0502

Alfa Romeo 156

1.8L 16v TS 1997-2005

2.0L 16v TS 1997-2002

TO START:

1. Turn the ignition OFF and disconnect the vehicle's negative battery terminal.



2. Remove the oil filler cap, undo the 4 fixing screws and remove the engine cover from the vehicle as shown.



3. Unclip the electrical connector from the Mass Air Sensor (MAS) as shown.



4. Unclip the breather hose from the vent on the engine as shown.



5. Unclip the intake tube and pull it from the air box lid as shown.



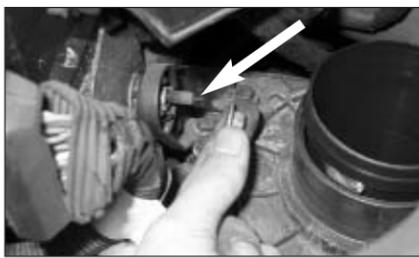
6. Undo the indicated hose clamp and remove the intake tube and MAS as shown.



7. Undo the hose clamp at the throttle body, release the intake hose from and remove the intake hose from the vehicle as shown.



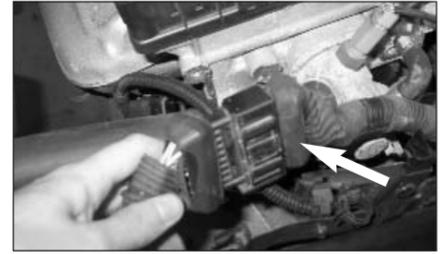
8. Remove the plastic cover from the relay box as shown.



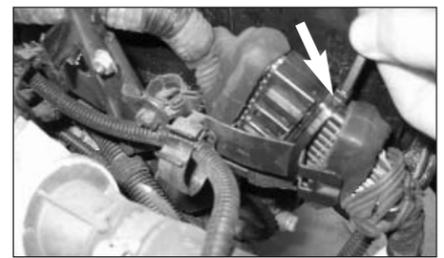
9. Undo and remove the air box securing nut from the threaded stud located under the relay box as shown.



10. Remove the indicated plastic cover and nut located under the relay box and fit the rubber stud on the threaded stud as shown.



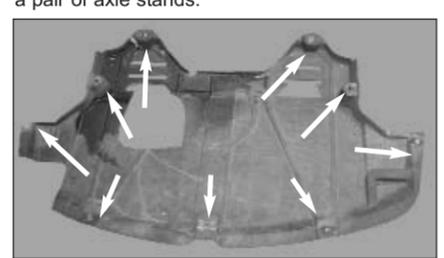
11. **Selespeed models only:** Unclip the indicated cable harness from its bracket as shown.



12. **Selespeed models only:** Secure the cable harness between the battery and the bracket using a cable tie supplied as shown.

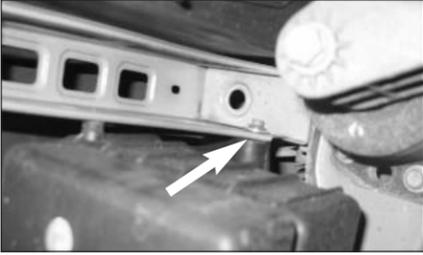


13. As per manufacturer's instructions and taking all necessary safety precautions, carefully raise the front of the vehicle and support it with a pair of axle stands.

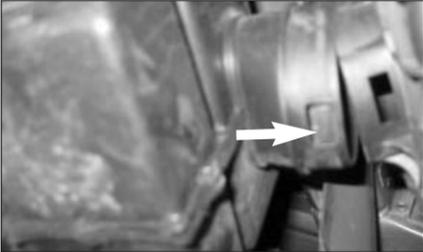


14. From underneath the vehicle carefully remove the under tray from the vehicle.

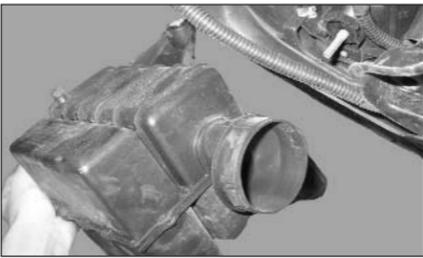
Continued on reverse side!



15. From underneath the vehicle, undo and remove the indicated bolt & nut securing the resonator box to the chassis.



16. Depress the indicated tab to release the resonator box from the air box as shown.



17. Carefully remove the resonator box from the vehicle as shown.



18. Unclip the cable harness from the air box and push the air box from its mounting stud as shown. Pull the air box from its rubber gromets and carefully remove it from the vehicle.



19. Fit the stepped silicone sleeve to the throttle body using the #44 hose clamp supplied as shown.



20. Fit the mounting bracket on the rubber stud as shown, using a Nylock nut and wave washer supplied. Don't fully tighten yet!



21. Using the provided Torx (69801) unscrew and carefully remove the MAS from its housing as shown.



22. Install the MAS into the intake tube using the M5 bolts supplied as shown. **NOTE:** Before installing the MAS, clean the inside of the tube using water and a towel.



23. Fit the silicone hump hose and the #40 hose clamps to the end of the intake tube as shown. Don't fully tighten yet!



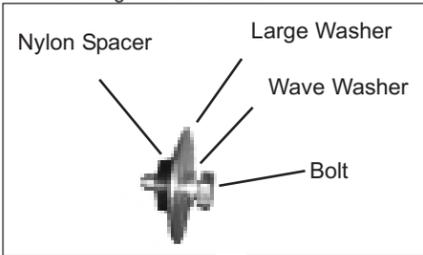
24. Install the intake tube into the silicone stepped hose on the throttle body using a #40 hose clamp supplied as shown. Don't fully tighten yet!



25. Align the weld-on stud on the tube with the mounting bracket and secure using an M6 bolt, flat metal washer and wave washer supplied as shown. Don't fully tighten yet!



26. Remove the rubber grommets from the air box mounting holes. Place a large washer and a rubber stud supplied over the indicated air box mounting hole as shown.



27. Fit first a wave washer, then a large washer and finally the nylon spacer over the shaft of an M6 bolt supplied as shown.



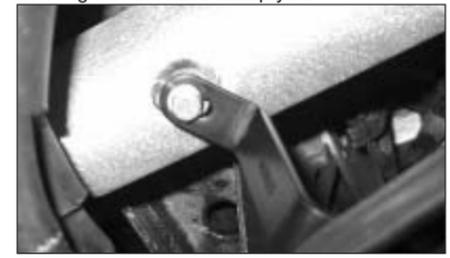
28. From underneath the vehicle, fit the assembly from step #27 to the rubber vibration mount over the air box mounting hole as shown. Don't fully tighten yet!



29. Fit the "Z" bracket to the rubber vibration mount as shown, using a Nylock nut and flat metal washer supplied. Don't fully tighten yet!



30. From underneath the vehicle, feed the cold air extension tube (the end without the weld-on stud) into the silicone hump hose as shown but don't tighten the hose clamp yet.



31. Align the weld-on stud on the tube with the mounting bracket and secure using an M6 bolt, flat metal washer and wave washer supplied as shown. Don't fully tighten yet!



32. From underneath the vehicle, secure the indicated electrical connector to the hole in the chassis using a cable tie supplied as shown.



33. Fit the K&N Drycharger over the K&N Filter as shown. **NOTE:** The Drycharger's water repellent properties will last up to 2 years. See parts list to re-order Drycharger if necessary.



34. Fit the K&N K&N Filter onto the cold air extension tube as shown and fully tighten the hose clamp supplied.



35. Adjust the filter/cold air extension tube to clear all surrounding parts; now fully tighten all hardware securing the cold air tube and its mounting bracket as shown.

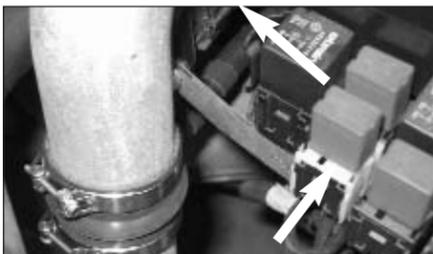
INSTRUCTIONS CONTINUED



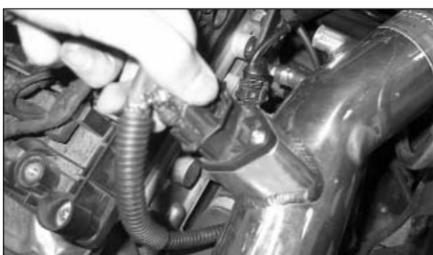
36. Line up the intake tube and cold air extension tube in the silicone hump hose and fully tighten the hose clamps as shown.



37. Adjust the intake tube for maximum clearance from the battery; now firmly tighten the hose clamp at the throttle body as shown.



38. With the intake tubes properly aligned and positioned, firmly tighten the hardware securing the mounting bracket.



39. Reconnect the electrical connector to the MAS as shown.



40. Install the breather hose supplied between the vent on the engine and the vent on the intake tube as shown; trim as necessary to eliminate sharp bends in the hose.



41. Remove the oil filler cap, re-install the engine cover using its original hardware as shown and place back the oil filler cap.



42. If necessary, reposition any cables away from the intake tube and secure them with a plastic cable tie supplied.



43. Re-install the relay box cover as shown.



44. From underneath the vehicle, re-install the under tray using its original hardware as shown.



45. Reconnect the negative battery terminal and double check that everything is tight and properly positioned before starting the vehicle. Installation is now complete.

46. This Typhoon kit has been designed to be used in 2 different configurations. In case of inclement weather, the cold air extension tube can be removed and the filter can be clamped onto the first intake tube located in the engine compartment to avoid the possibility of water ingestion.

47. Double check to make sure everything is tight and properly positioned before starting the vehicle.



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 suggests checking the Filtercharger 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 available from your K&N dealer, part number 99-5003EU.