



Kia Stinger Cat Back Installation Instructions

XFORCE RECOMMENDS AN AUTHORISED PROFESSIONAL TO INSTALL ALL PRODUCTS

WARNING: When working on any vehicle exercise extreme caution. Please allow the vehicles exhaust system to be cool enough to touch before removal. Failing to do so may result in severe burns. If working without a hoist refer to the vehicles manual to check correct lifting specifications. Always wear safety glasses, protective gloves and ensure your working in a safe area. Serious injury or death can occur if the correct safety measures are not followed.

Attention: Please read the instructions carefully. XFORCE will only warrant manufacturing faults. This does not extend to damage or breakage due to incorrect fitment.



Parts List

1. ES-KS17-C1 L+R (Left and Right front pipes)
2. 4 x 2.5" Clamps
3. ES-KS17-C2 (Centre X pipe)
4. ES-KS17-C3 L+R (Diff Pipes)
5. ES-KS17-VMK L+R (Varex rear muffler)
6. ES-KS17-LH+RH (Varex muffler hangers)
7. 4 x 2.5" 2 Bolt Gaskets
8. VK02 Wiring Harness





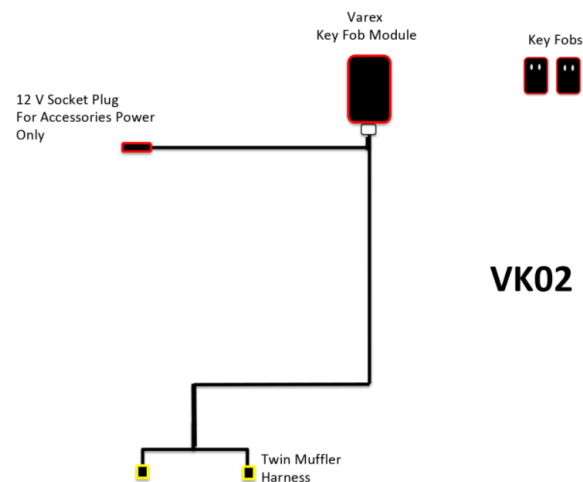
Required Tools and Equipment

1. Spanners and Sockets required 14mm, 15mm, 16mm, 19mm
2. 3/8" Ratchet
3. 6" long 3/8 Extension bar
4. Can of spray lubricant
5. Tube of O2 Sensor safe sealant for the 2 bolt Gasket and Slip Joint
6. 2-3 Rags for excess sealant
7. 1/2" Tension Wrench with 15mm deep socket, set to 80 Foot Pounds
8. Safety Glasses or Goggles
9. Protective Gloves
10. Safety Boots



IMPORTANT STEP

Loosely run the wiring from inside the vehicle to the outside through an open door. Plug the wiring harness into the 12V socket and then into the muffler and control box and power up. Check the operation of all electronics and Muffler valves before installation.

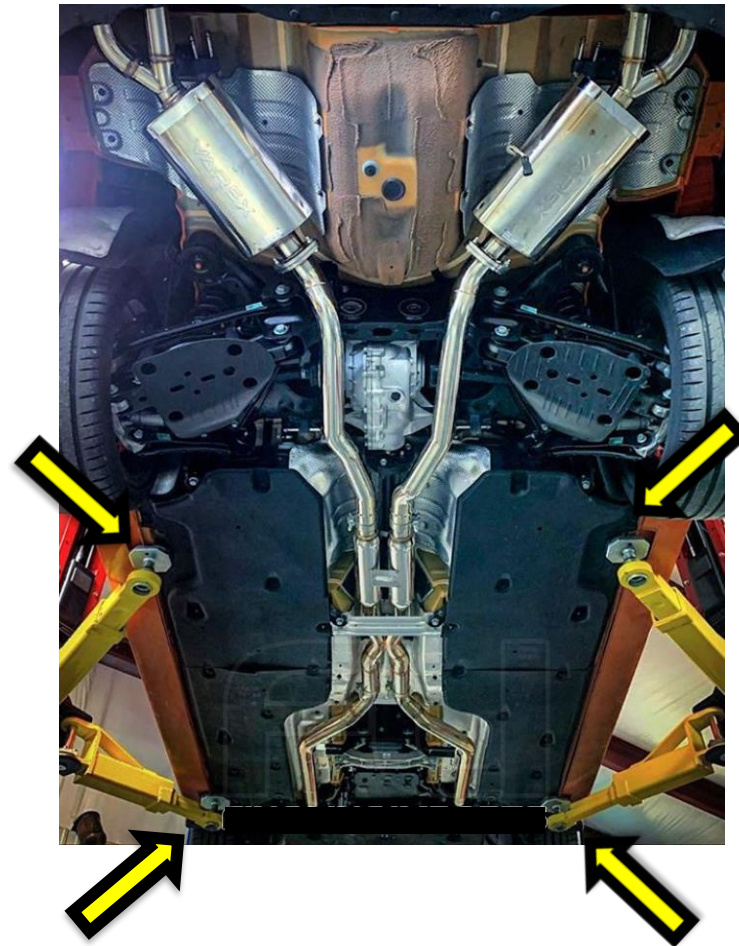




Step 1

The entire fitting process must be conducted by a professionally trained technician (this also includes hoist operation).

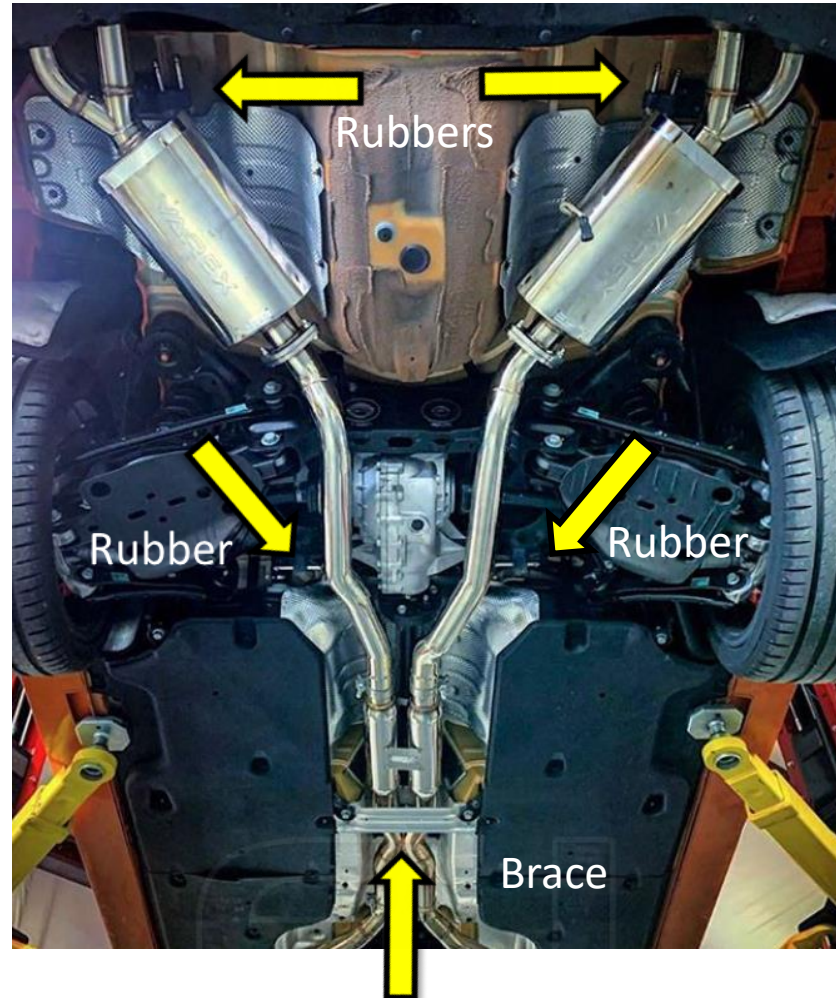
1 Raise vehicle on a 2 post hoist making sure hoist arms are in the correct lifting positions (as per owners manual) and that you or someone else isn't under the vehicle while hoist is moving. Once the Vehicle is at a workable height engage the hoist safety locks.





Step 2

- 1 Please make sure you are wearing safety equipment as listed in Required Tools/Equipment
- 2 Spray lubricant between all the Rubbers and Exhaust Hanger
- 3 Remove the support brace





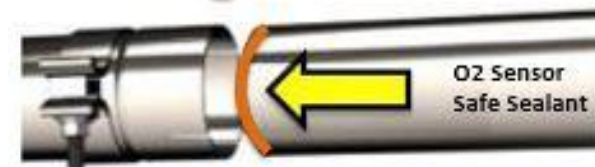
Step 3

- 1 Unbolt the 2 x 19mm nuts at the base of each down pipe
- 2 Unbolt the 2 x 19mm nuts behind the second cats
- 3 Unbolt the 2 x 19mm nuts between the centre and rear mufflers
- 4 Remove all 5 individual pieces



Step 4

Make sure you use O2 sensor safe sealant on all gaskets and slip joints as per the diagrams and the clamps are tightened to the specified tension.



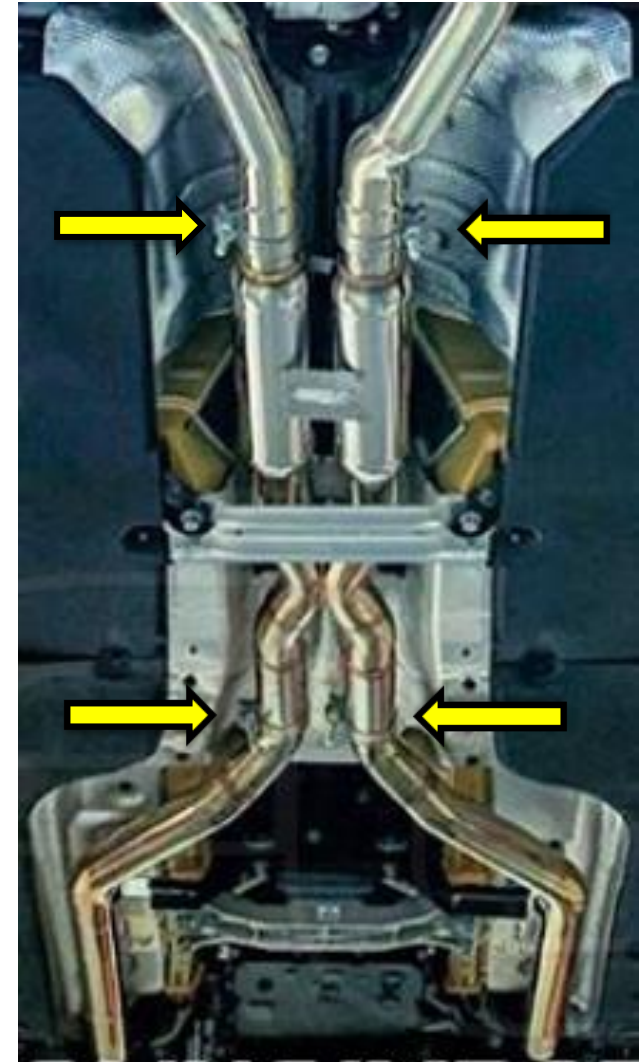


Step 5

Loosely fit the ES-KS17-C1L to the left down pipe and the ES-KS17-C1R to the right using the factory steel gaskets.

Slide the ES-KS17-C2 over the 2 x C1 pipes making sure the clamps and sealant are in the correct position.

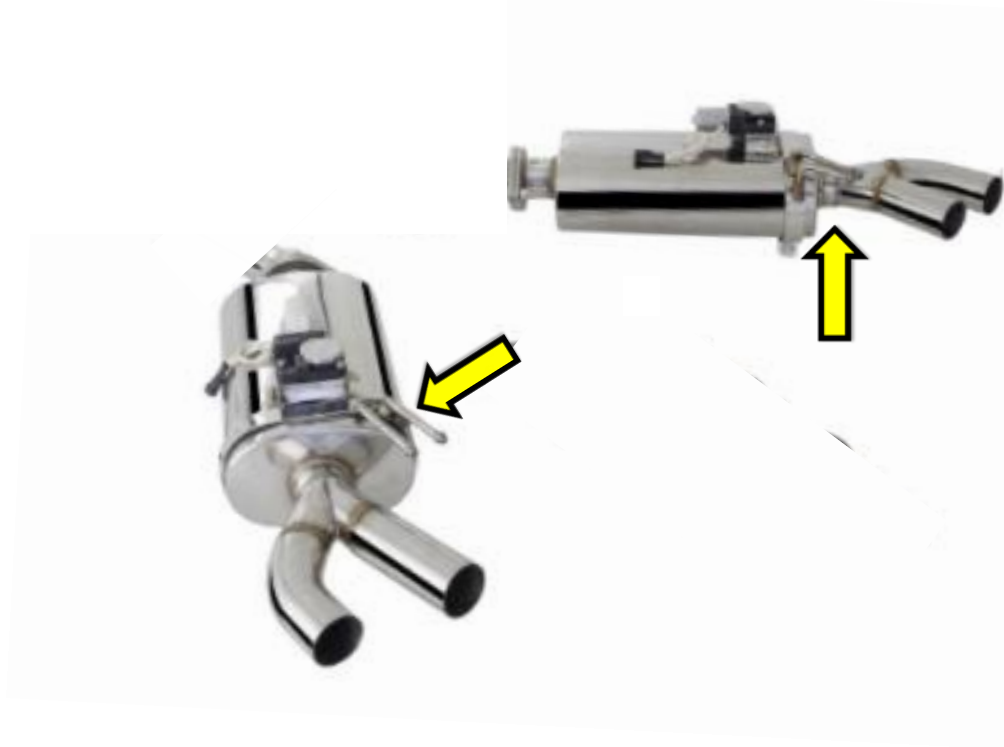
Slide the ES-KS17-C3L and ES-KS17-C3R onto the C2 with sealant and clamps in position.





Step 6

1 Fit left and right muffler hangers to the Varex mufflers and tighten.





Step 7

1 Slide the left and right Varex mufflers into the rear rubbers and bolt loosely to the C3L+R (diff pipes) with the gasket and sealant between the flanges.





Step 8

Check for clearance around all of the pipe work, tail shaft rubber coupling, and all heat shielding from the rear to the front. If any adjustments are needed slide and or rotate the diff pipes, centre pipe and front pipes. You should have at least a fingers gap [about 15 mm] clearance everywhere. Once completed and you're happy with the clearance, tighten from the rear to the front continually checking the clearance as you go.



VAREX

Varex Key Fob Installation Instructions

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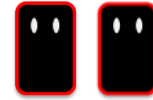
What's inside the box

- 1 Varex Control Module
- 2 Main Wiring Harness (VK1 or VK2)
- 3 Key Fobs

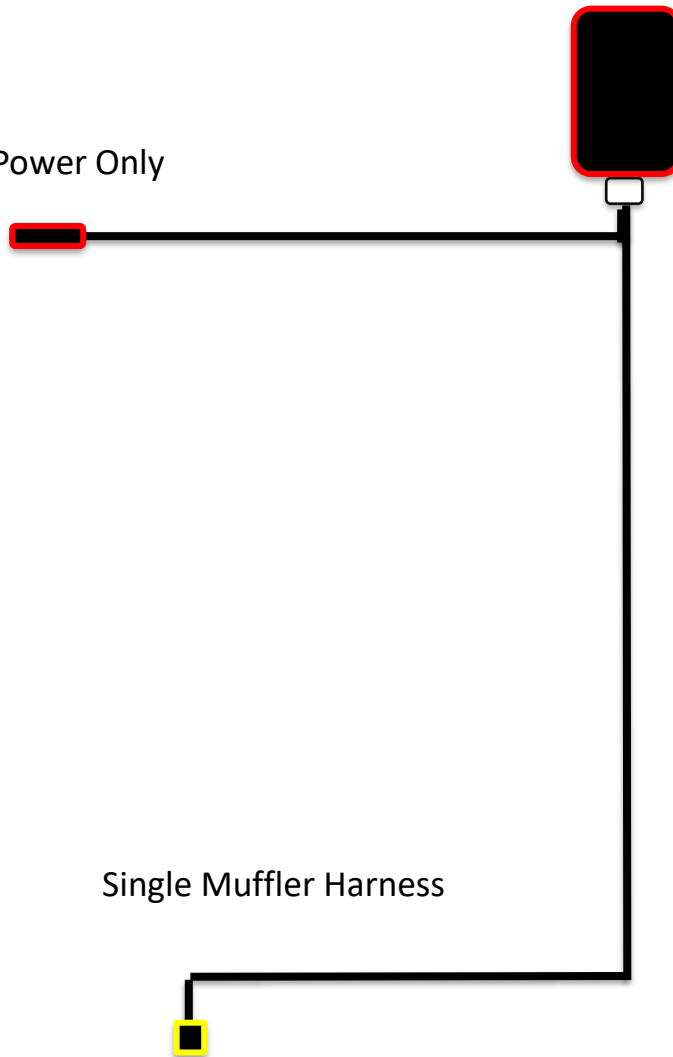


Varex
Key Fob Module

Key Fobs



12 V Socket Plug
For Accessories Power Only

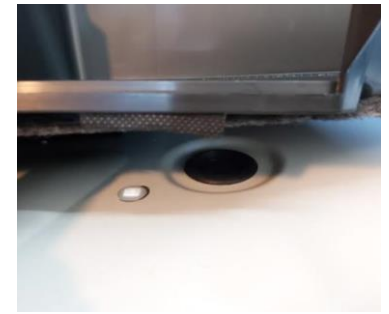


VK01

For single muffler
applications



Find a rubber grommet to allow access from the boot area to the underside of the car near the Varex Mufflers. Once located feed the black 2 pin plug through the rubber grommet and into the boot area to the underside of the car and connect to the muffler





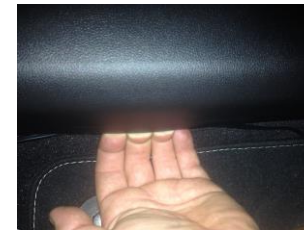
Feed the wiring through the boot towards the back seat, then run the wire into the cabin and under the back seat, towards the plastic cover between the carpet and the doors.

Put your fingers under the cover (pic 1) then push the wiring up under the cover (pic 2).

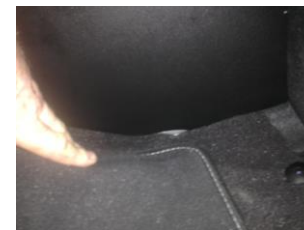
Do this all the way to the front of the cabin and feed the wire behind the kick panel Pic 3 (plastic cover near where your feet would be in the front of the car).



Pic 1



Pic 2



Pic 3



Plug the Key Fob box into the white 4 pin plug and the (pic 4)

Remove the panel under the glovebox (pic 5) and place the wiring and box on the panel (pic 6), run the wire (with the 12V Socket Plug) towards the 12V Socket.



Pic 4



Pic 5



Pic 6



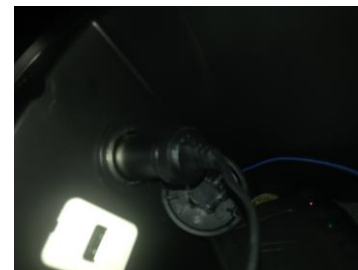
Feed the wiring under the plastic between the centre console and the carpet moving it towards the centre of the car (pic 7 towards the seats) as far as is needed to reach the power socket (pic 8).

Turn the car on and test the system using the remote
Button A will close the Varex and button B will open the Varex

Now enjoy the volume controllability of your new Varex System



Pic 7



Pic 8



Drive vehicle for 10mins, Return to **Step 8**, retention all nuts, bolts and enjoy the driving experience your new Xforce System provides.

Note: When you first start your vehicle after the installation of your new XFORCE Performance Exhaust System, there may be some smoke and fumes coming from the system. This is a protective oil based coating used in the manufacturing of mandrel bent performance exhaust tubing. This is not a problem and will disappear within a very short period of time after the exhaust has reached normal operating temperatures.