



BMW 140I, 240I 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-140C1 (Y pipe)
2. 1 x 3 1/8" Clamp
3. ES-140C2 (Mid Pipes)
4. 4 x 2 1/2" Clamps
5. ES-140C3 (Rear Y Pipe)
6. 1 x 2 bolt Gasket and Nuts and Bolts
7. ES-140VMKR (Varex rear muffler)



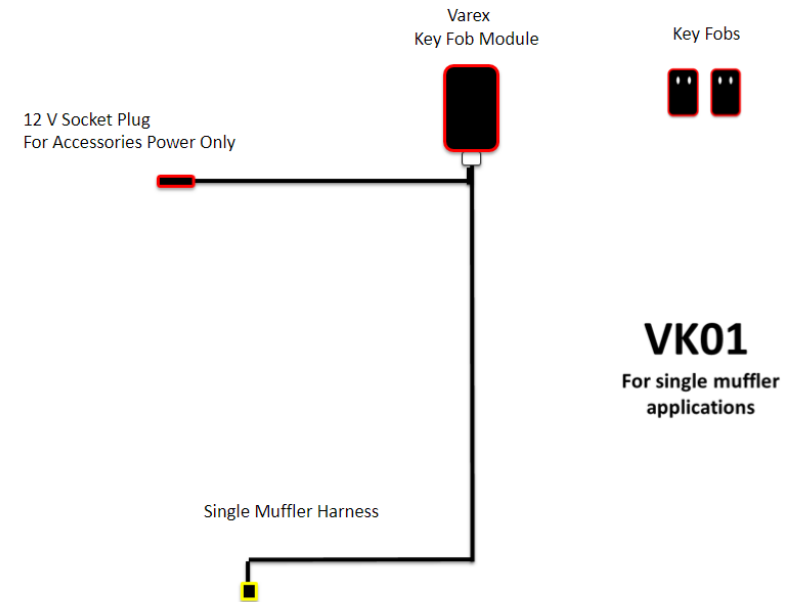
Required Tools and Equipment

1. Spanners and Sockets required 13mm, 14mm, 15mm, 16mm
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 Joints
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 valve before installation.

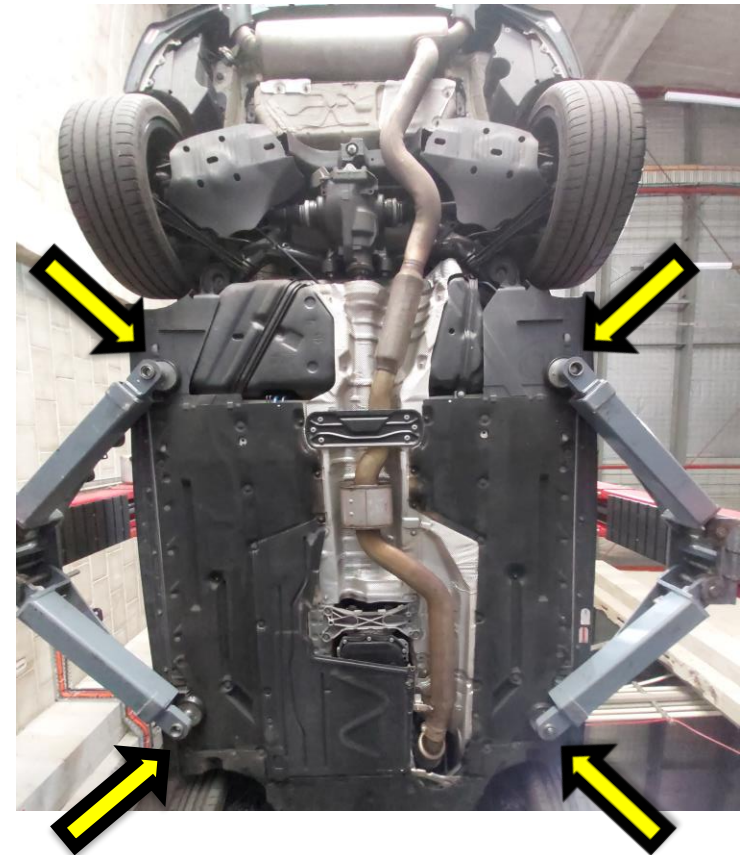




Step 1

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

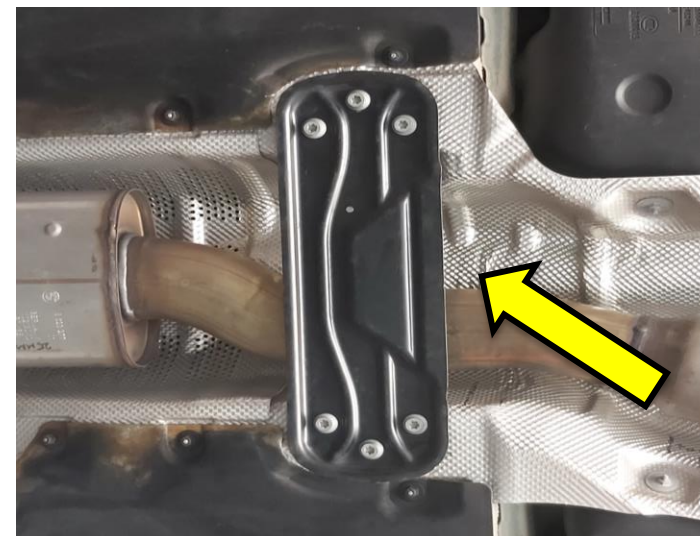
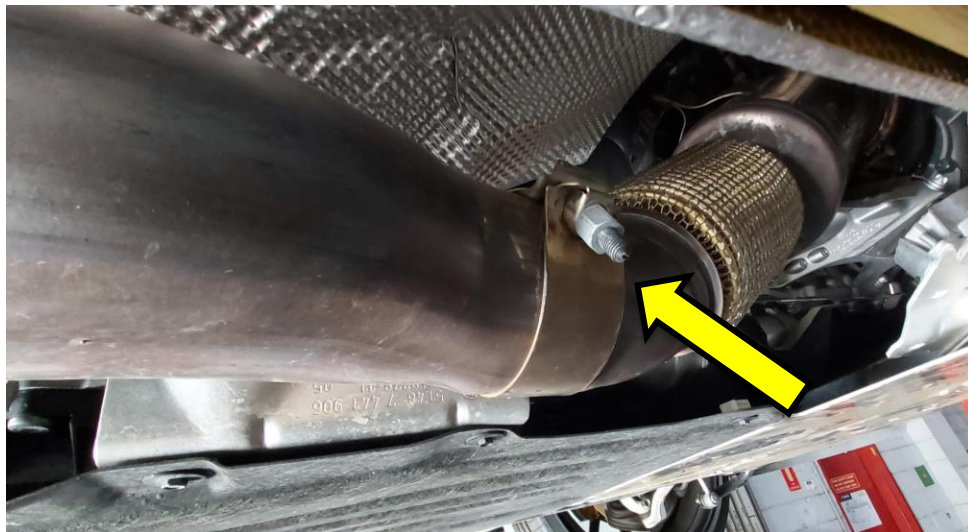
1 Raise vehicle on a 2 post hoist making sure hoist arms are in the correct lifting positions (as per owners manual) and that you or someone else **IS NOT** under the vehicle while hoist is moving. Once the Vehicle is at a workable height engage the hoist safety locks.





Step 2

Please make sure you are wearing safety equipment as listed in Required Tools/Equipment
Unbolt the 13mm nut on the clamp at the base of the down pipe and the centre brace in the middle of the car





Step 3

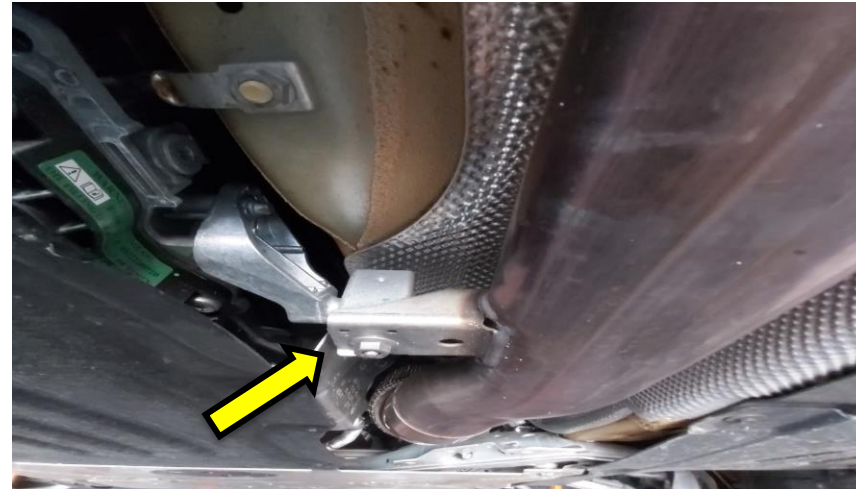
Push down on the tab and pull the wiring harness out of the factory motor





Step 4

- 1 Spray lubricant between the Rubber and Exhaust Hanger
- 2 Using a 13mm socket unbolt the 2 x rear hangers and the 1 x front hanger near the down pipe and with someone's help carefully remove the system from the vehicle





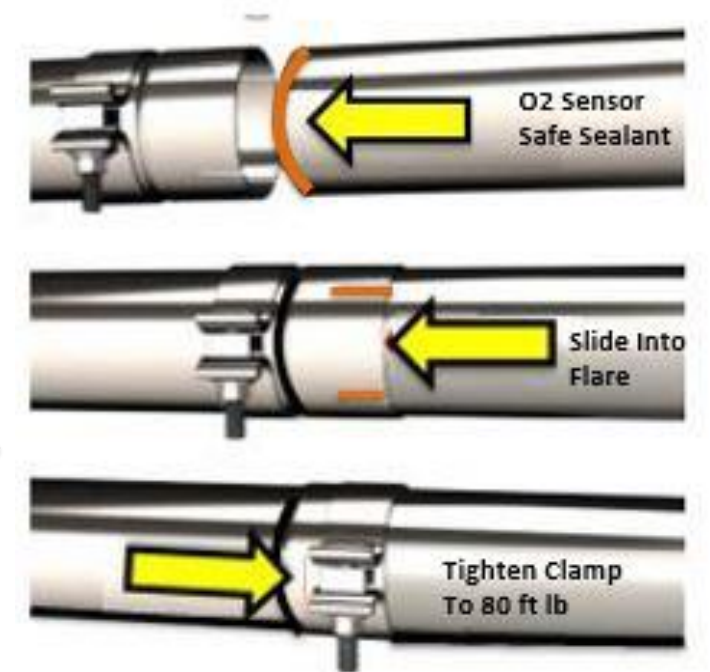
Step 5

1 Slide the C1 (Y pipe) over the down pipe (making sure the clamp is over the inlet) and tighten the hanger (13mm Nut) beside the transmission.

2 Slide the C2 over the C1 Y pipe (making sure the clamps are over the inlet).

REFER TO DIAGRAM for slip joint installation →

3 Refit centre brace



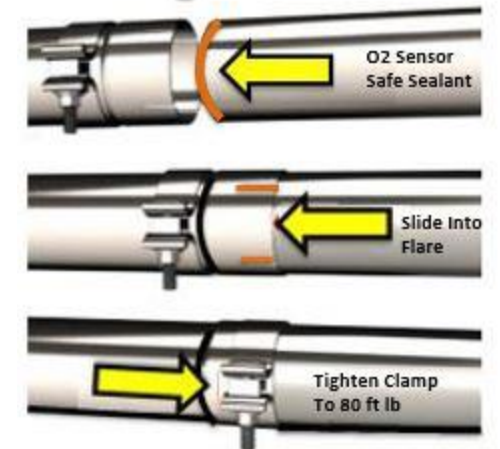


Step 6

1 Fit the 2 rubbers and rear hangers on the muffler .

2 With help from another person raise the Xforce muffler into position on the Vehicle and refit the 13mm nuts

3 Fit the C3 (Rear Y Pipe) sliding over the C2 and bolting to the rear muffler 2 bolt flange making sure you have O2 sensor safe sealant on both sides of the gasket.





Step 7

Tighten everything firm (**NOT TIGHT**) from the rear to the front making sure you have at least a fingers gap from the heat shielding, support brace and body of the vehicle. If you don't have enough gap twist and slide the system until you are happy with the gap the tighten everything tight (eg up to 80 FT/LBS)



Step 8

1 Check the rear muffler and tips are level and even, check the gaps at all points of the exhaust are enough and haven't moved in the tightening process. Once you are satisfied Disengage the hoist safety locks and lower the vehicle.



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.



VAREX

Varex Key Fob wiring Installation Instructions

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What's inside the box

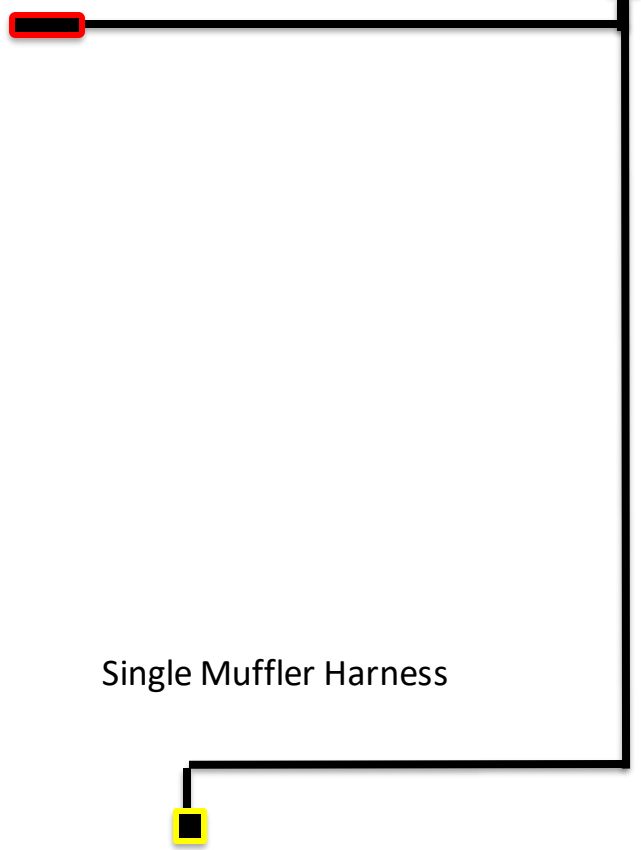
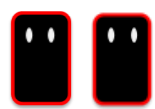
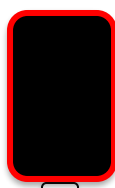
- 1 Varex Control Module
- 2 Main Wiring Harness (VK1 or VK2)
- 3 Key Fobs



12 V Socket Plug
For Accessories Power Only

Varex
Key Fob Module

Key Fobs



Single Muffler Harness

VK01
For single muffler
applications



Step 9

Find a rubber grommet to allow access from the boot area to the underside of the car near the Varex Mufflers. Remove the Plastic panel across the back of the vehicle. On the right is a rubber grommet allowing access to the underside of the vehicle. 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.





Step 10

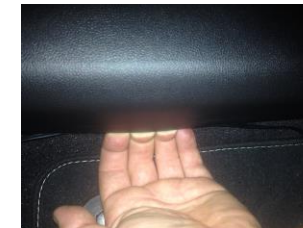
Feed the wiring through the boot towards the back seat, then run the wire into the cabin and under the back seat, towards the plastic cover between the carpet and the doors.

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

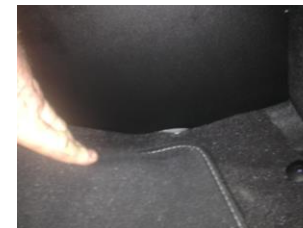
Do this all the way to the front of the cabin and feed the wire behind the kick panel Pic 3 (plastic cover near where your feet would be in the front of the car).



Pic 1



Pic 2



Pic 3



Step 11

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



Step 12

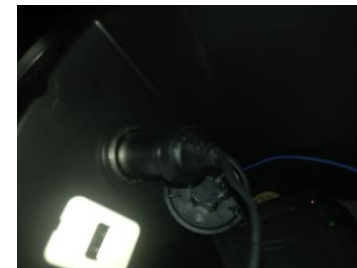
Feed the wiring under the plastic between the centre console and the carpet moving it towards the centre of the car (pic 7 towards the seats) as far as is needed to reach the power socket (pic 8).

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



Step 13

Drive vehicle for 10mins, Return to **Step 7**, retention all nuts, bolts and enjoy the driving experience your new Xforce System provides.

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