



**RAM 1500 DT (5th Gen)
Hi Flow Catalytic Converters
Installation Guide**



XFORCE RECOMMENDS AN AUTHORISED PROFESSIONAL TO INSTALL ALL PRODUCTS

XFORCE PRODUCTS ARE DESIGNED FOR RACE/OFF-ROAD USE ONLY

XFORCE takes pride in its product, and we are dedicated to providing you with a dealer network who can offer you the right advice and information when it comes to your XForce exhaust system or product. Find your local Dealer/Fitter using the link below.

<https://xforce.com.au/find-a-dealer/>

WARNING: When working on any vehicle exercise extreme caution!

Before working on any vehicle, please exercise the following cautions:

- Please allow the vehicles exhaust to be cool enough to the touch before removal! Failing to do so may result in severe burns!
- If working on a hoist, refer to the vehicles owner's manual to check correct lifting specifications!
- Always wear safety glasses, protective equipment (gloves, clothing, etc.) & ensure your working in a safe environment.

Serious injury or death can occur if the correct safety measure ARE NOT FOLLOWED!!

ATTENTION: Please read instructions carefully. XFORCE will only warrant manufacturing faults. This does not extend to damage or breakage due to incorrect fitment. See website for more information!

<https://xforce.com.au/warranty/>



Part List

- ESDR19KITB
 - ESDR19CATBL – Left-Hand Side Catalytic Converter Pipe
 - ESDR19CATBR – Right-Hand Side Catalytic Converter Pipe
 - ESDR19F1 – Y Connecting Pipe

READ NOTES ON PAGE 11 FOR TIPS TO INSTALL THE KIT!!



Tools & Equipment Required

1. Spanners & Sockets
 - 15mm, 16mm & 19mm
2. 3/8" Ratchet
3. 6" Long 3/8" Extension Bar
4. Can of Spray Lubricant
5. Gasket Maker/Sealant (O2 Sensor Safe recommended)
6. Rags for Excess Sealant
7. Safety Glasses or Goggles
8. Protective Gloves
9. Safety Boots



Important Step

If installing XFORCE Hi Flow Catalytic Converter Kit as well as our XFORCE Cat Back System (See instruction manual on our website), we would recommend installing cat-back system loosely then installing hi flow cats before tightening everything from rear to the front of the vehicle.



Go to page 11 for installation notes.



Step 1:

Raise vehicle on a 2/4 post hoist making sure the hoist arms are in the correct lifting positions (as per the owner's manual) and that yourself or any other persons are underneath the vehicle while the hoist is in motion.

Once the vehicle is at a workable height, engage the hoist safety locks!





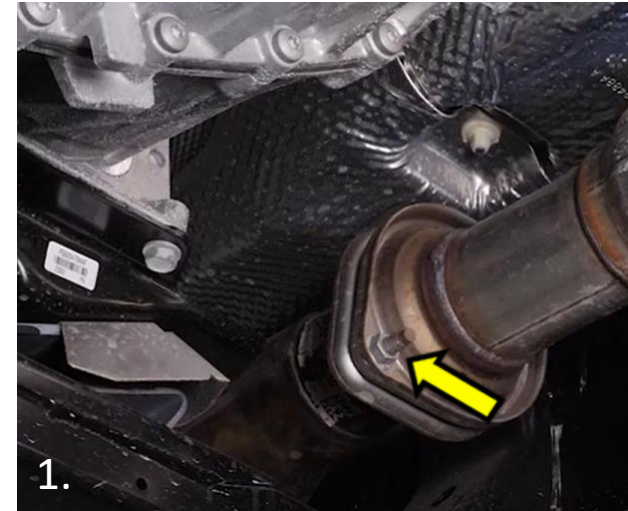
Step 2:

Disconnect battery!

Remove 4x O2 Sensors from both sides of factory catalytic converters, unplug then mark these as they are different for pre & post cat, set aside.

Unbolt 2x bolts on the front flange (1) holding the front connecting pipe to the factory cat pipe & slide out front section from middle connecting pipe.

Now unbolt 2x bolt from each flange in front of catalytic converter (2) & remove whole catalytic converter section.





Step 6:

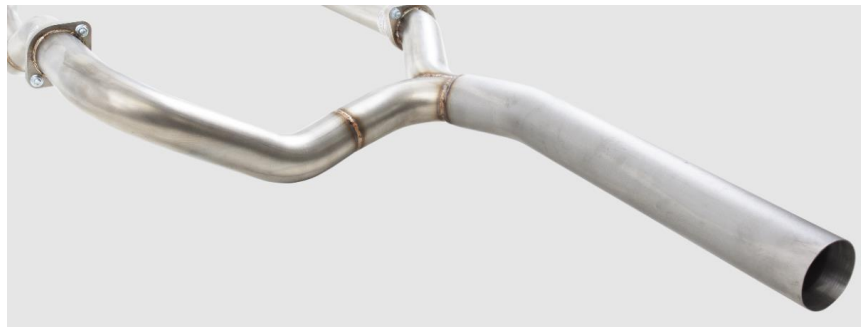
In the following order, leave firm but DO NOT TIGHTEN!

1. Use O2 Sensor Safe Sealant on the outlet of the Y Connecting Pipe (ESDR19F1) & slide 3" clamp onto the outlet of the middle connecting pipe (ES-DR19-C2).
2. Push Y Connecting Pipe into the Middle connecting using the flanges to adjust & slide the pipe into place.
3. Now bolt the left & right Catalytic Converter Pipes to the headers of the vehicle making sure to use a 2-bolt gasket between the flanges then bolt these to the Y connecting Pipe.
4. Reinstall O2 Sensors & plug into factory loom.

Catalytic Converter
Pipes



Y Connecting Pipe



Front Connecting Pipe





Step 7:

Use a stand to lift under the slip-joint for the front & middle connecting pipe & raise the exhaust until you have centered the pipe between the resonator & the tail shaft.

Check positioning of exhaust & make sure it doesn't hit anywhere that may cause damage or rattle against any part of the vehicle. Also, check tip alignment with the bumper.

Once you are satisfied with positioning, tighten from the rear mufflers forward making sure the alignment is consistent. Remove any hoist stands if used.

Tighten Clamps to 80 foot pounds!

Make sure to re-install O2 Sensors & reconnect battery!

Start your car, check for any leaks & enjoy your new XFORCE Performance Exhaust!





Step 8:

Drive vehicle for 10-15mins, testing the Varex valve control (if installed). Return to step 4, retention all nut & bolts and enjoy the driving experience your new XForce System provides.



GO TO PAGE 11 for Varex Installation



NOTES:

- **This kit will only bolt onto factory headers with our XFORCE Cat-Back System.**
- **This kit will also remove the Front Connecting Pipe (ES-DR19-C1) from your XFORCE cat-back system to be replaced with ESDR19F1 included in the kit.**
- When you first start your vehicle after install of your new XFORCE Performance Exhaust System, they may be some smoke or fumes coming from the system. This is a protective oil-based coating used in the manufacturing of the system. This is not a problem & will disappear within a very short period after the exhaust has reached normal operating temperature.
- When trying to install gaskets with flanges, install one bolt on the flange & hang the gasket on the bolt then feed the other part on.
- When placing slip on clamps into the system, make sure you can access the 14mm nuts to tighten the clamp.
 - **Do not use power tools to tighten slip-joint clamps!!**

