

## **FS Performance Engineering**

### **Nissan Frontier (2005-19) 2.5L 4-Cylinder Catalytic Converter Guard Installation Instructions**

*Professional Installation Recommended*

#### **Tools Needed:**

- Ratchet Wrench
- ¼" Socket
- ½" Socket
- ½" Wrench
- Drill
- 5/16" drill bit

#### **What's Supplied:**

##### **PARTS**

- (1) 2-Piece 2.5L Nissan Frontier Catalytic Converter Shield

##### **HARDWARE**

###### **Bag 1:**

- (3) 5/16"-18 x 1" Hex Bolts
- (3) 5/16"-18 Nyloc Nuts

###### **Bag 2:**

- (1) 5/16"-18 x 2" SECURITY Bolt
- (2) 5/16"-18 x 3" HEX Bolts
- (3) 5/16"-18 Nyloc Nuts
- (3) 5/16"x1.25" Washers

###### **Bag/Item 3:**

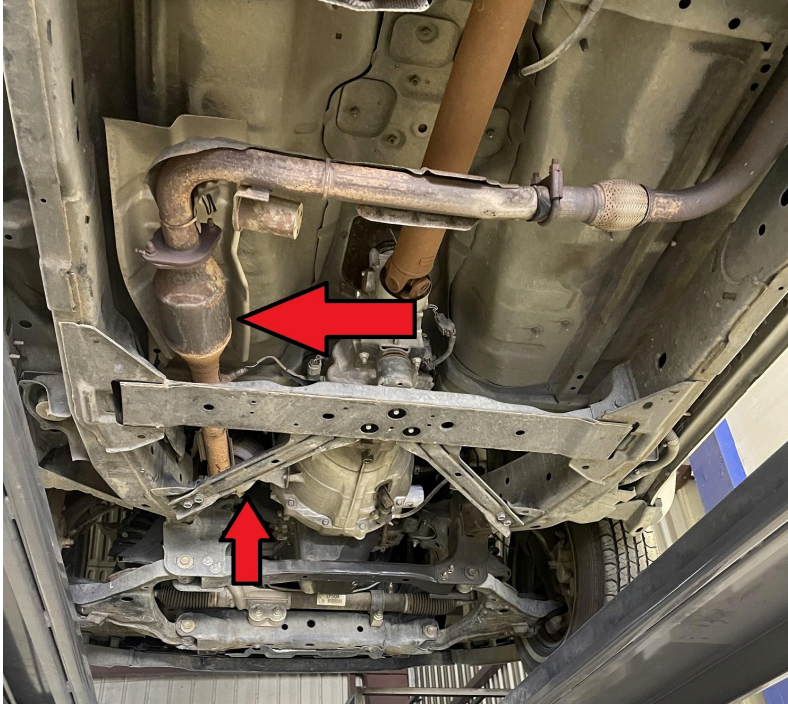
- (1) M8-1.25 x 25mm SECURITY Bolt
- (1) 3/16" Security Bit
- (1) Blue Threadlocker

**Steps:**

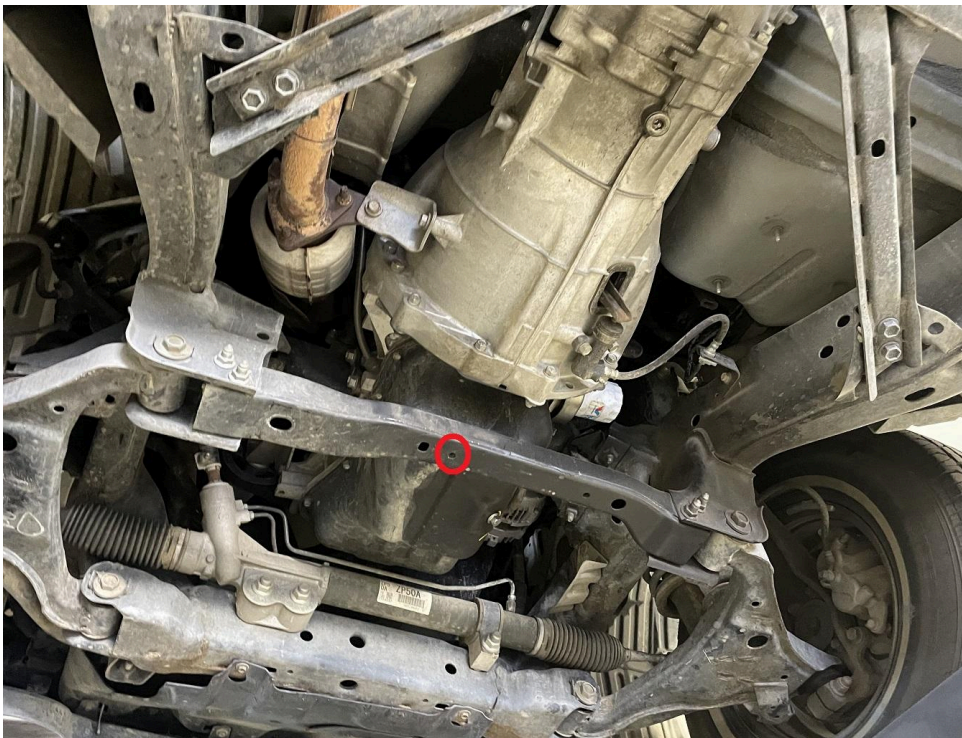
- 1.) Begin by raising your Frontier. Place it securely on jack stands, or use a vehicle lift.
- 2.) Assemble your catalytic converter guard as shown. It comes in 2 pieces. The smaller piece mounts on top. Point the 5/16"-18 x 1" long bolts upward & thread the nyloc nuts on top. Use a 1/2" socket and wrench. Securely tighten.

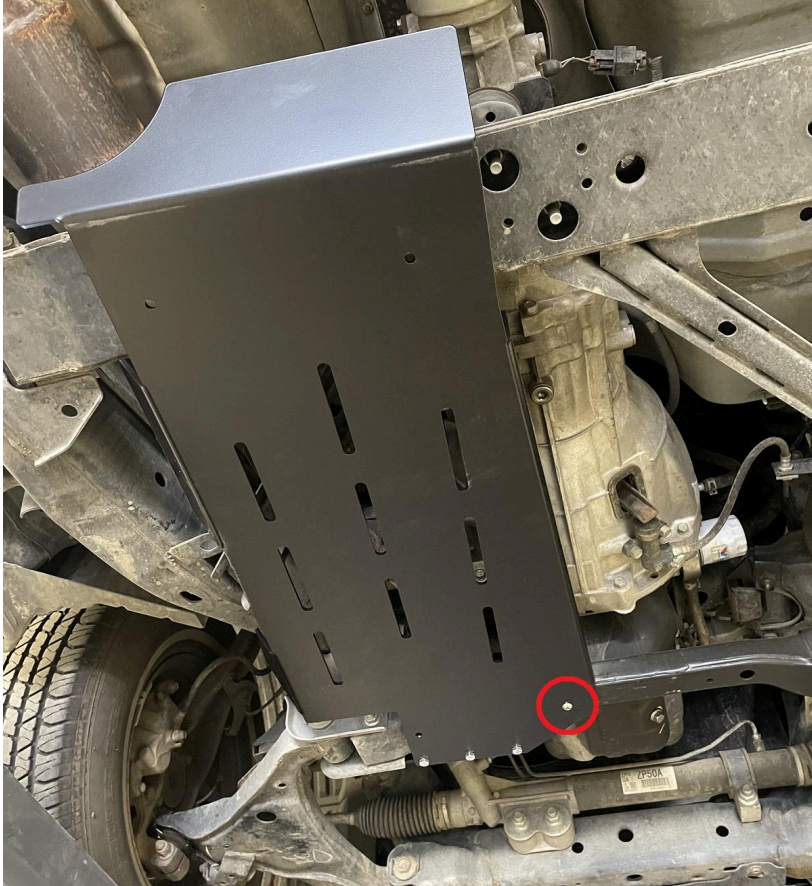


3.) Your catalytic converter has two catalytic converters; one behind the other. They are located to the left of the transmission on the left side of the vehicle. Identify the cats circled here:



4.) Install your catalytic converter guard onto the vehicle using the M8-1.25 x 25mm security bolt. There are already threads in the vehicle. Use blue threadlocker on the threads. The security bit fits into a 1/4" socket.





5.) Install a 5/16"-18 x 3" HEX bolt into the hole shown below. Push it through the frame and use a 5/16"x1.25" washer and 5/16"-18 nyloc nut on top. Securely tighten.





6.) Install a 5/16"-18 x 2" SECURITY bolt into the hole shown. Push it through the frame and use a 5/16"x1.25" washer and 5/16"-18 nyloc nut on top. Securely tighten.





7.) The last mounting hole on the frame needs to be drilled out. Use a drill and 5/16" drill bit. Push the bit up through the guard, through the bottom hole crossmember, and into the interior of the crossmember you're drilling into. Drill through it.

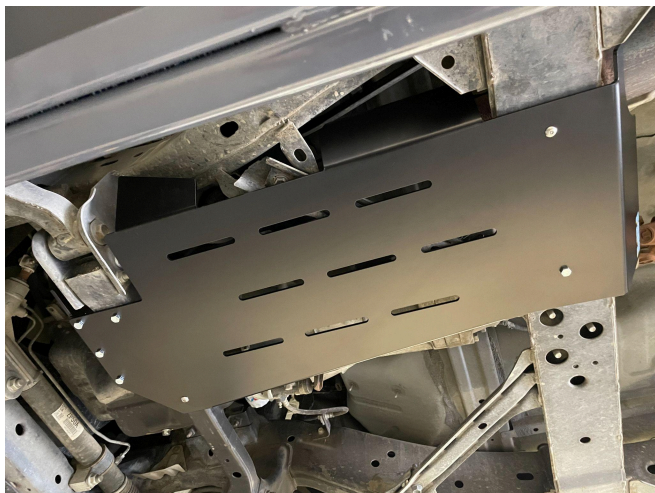




8.) Install a 5/16"-18 x 3" Hex bolt into the hole shown. Push it through the top of the crossmember and use a 5/16"x1.25" washer and 5/16"-18 nyloc nut on top. Securely tighten.



9.) Double check all bolts are secure and you are done! Enjoy your new Frontier cat guard. Feel free to tag us online using #FSPerformanceEngineering or #FSPEinc. If you have any questions don't hesitate to contact us.



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