

FS Performance Engineering
Toyota Highlander 2020-2023 Cat Guard Installation Instructions
Professional Installation Recommended

Tools Needed:

- Ratchet Wrench
- 10mm Socket
- 10mm Wrench
- Blue Threadlocker
- Flat head screwdriver

What's Supplied:

Parts:

(1) Highlander Cat Guard

Hardware:

BAG 1

- (1) M6-1.0 x 40mm Security TORX Bolt
- (1) 20mm Spacer
- (2) ¼"x1" Washers

BAG 2

- (1) M6-1.0 x 70mm Security TORX Bolts
- (1) 50mm Spacer
- (1) ¼"x1" Washer

BAG 3

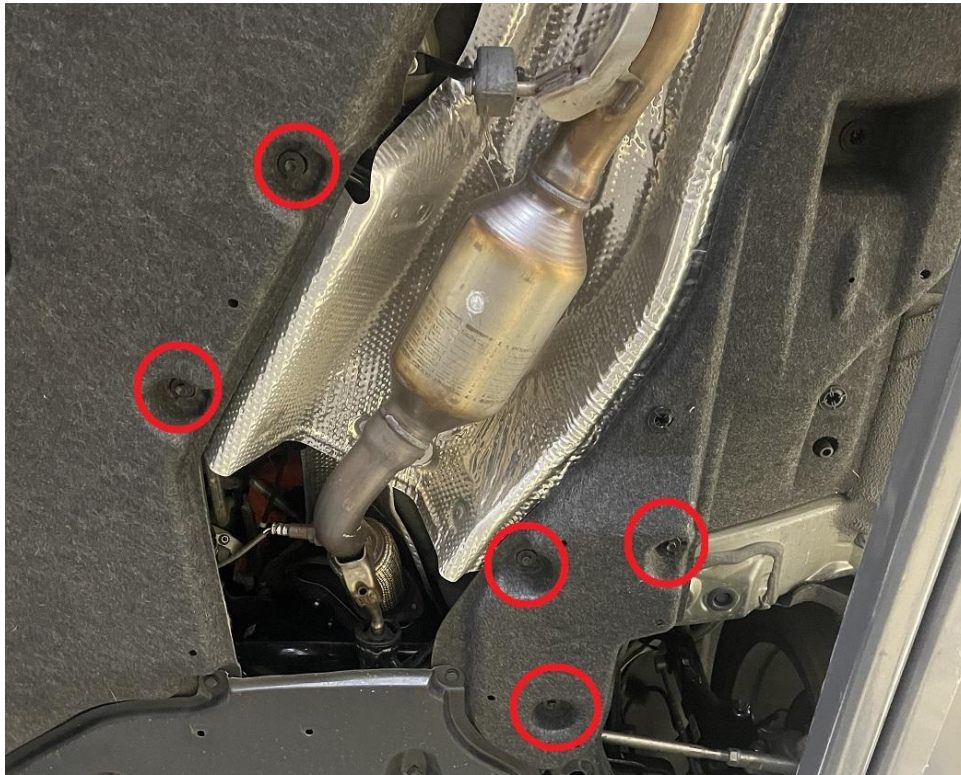
- (4) M6-1.0 x 80 Security TORX Bolts
- (4) 60mm Spacers
- (4) ¼"x1" Washers

BAG 4

- (1) T30 Torx Security Bit
- (1) Blue Threadlocker

Steps:

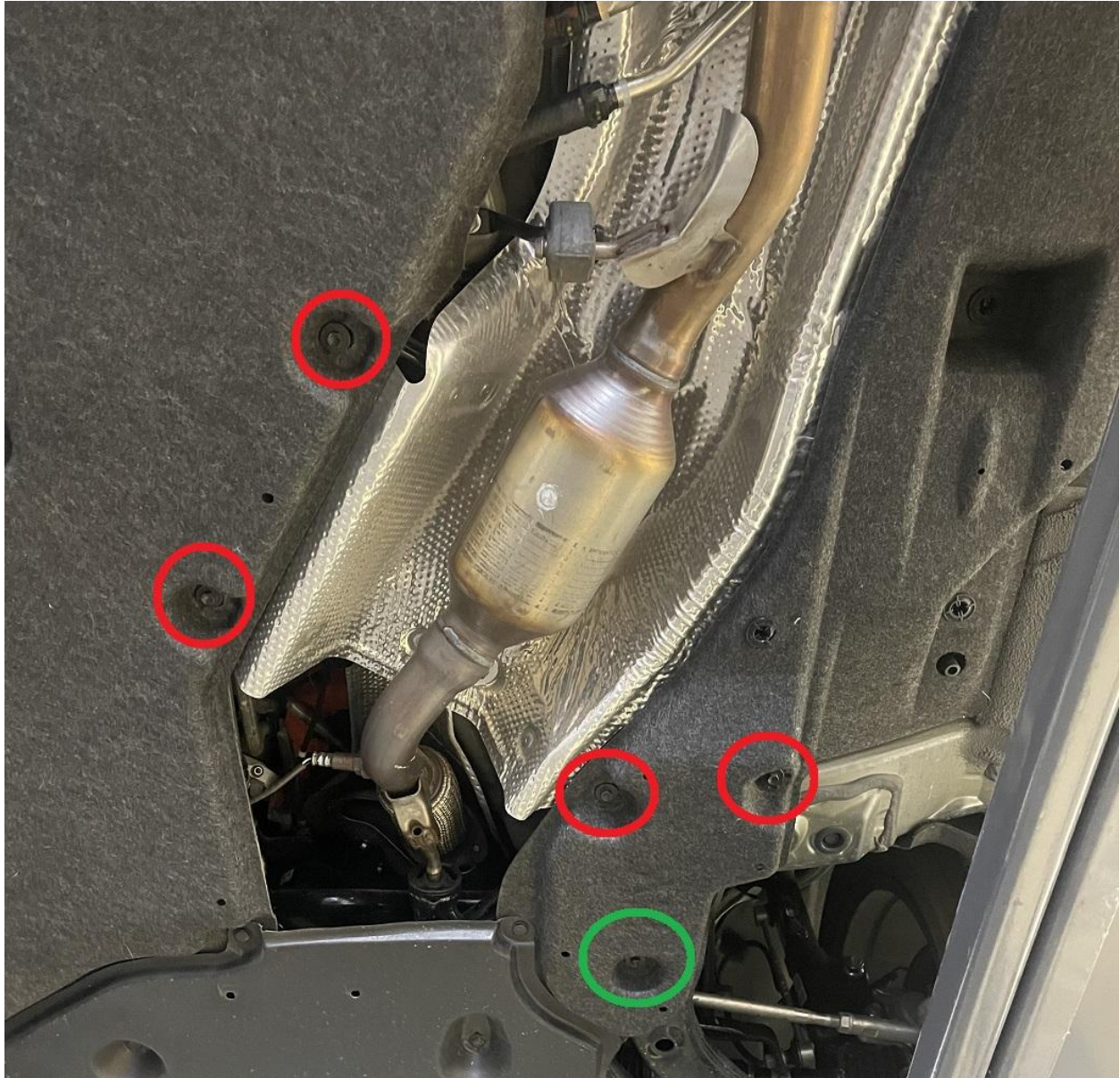
- 1.) Begin by raising your Toyota. Place it securely on jack stands. Or use a vehicle lift.
- 2.) Identify the location of your catalytic converter. It should be under the vehicle on the passenger side.
- 3.) Remove the shown bolts with a ratchet wrench and 10mm socket. There should be five.

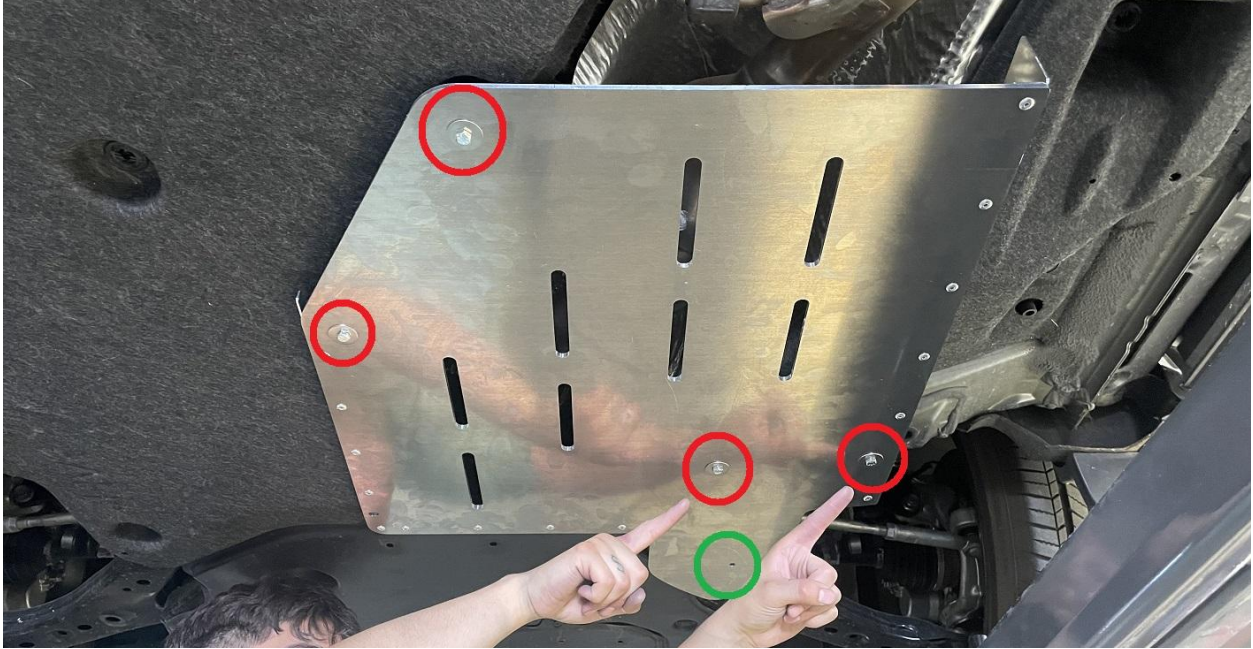


4.) Install the catalytic converter guard into the 5 holes shown using the following bolts and spacers. Spacers need to be installed between the catalytic converter guard, and mounting points. Use washers under the bolt heads. Use blue threadlocker on the bolt threads. Securely tighten.

RED = M6-1.0 x 80mm bolts & 60mm spacer - use washers under the heads

GREEN = M6-1.0 x 50mm bolt & 70mm spacer - use a washer under the head





SPACERS GO IN BETWEEN CAT GUARD AND FRAME LIKE THIS:



5.) Remove a few of the popclips on the back-end of the OEM front plastic skid plate. This will give you access for the last hole in the cat guard.

Install your M6-1.0 x 40mm security bolt. Use washers under the bolt head, and on top of the cloth-like tray. Use the 20mm spacer between the guard and mourning point. Use a nyloc nut on top. Securely tighten.







6.) Reinstall the pop clips into the OEM skid plate and you are done! Double check there is no contact between your catalytic converter and shield. Enjoy your new cat guard! Feel free to tag us online using #FSPerformanceEngineering or #FSPEinc. If you have any questions don't hesitate to contact us.



PHONE: 661-809-0954

EMAIL: costas@fspeinc.com

THANK YOU :)