

FS Performance Engineering

Toyota Tundra 2000- August 2003 RCD 4-6" Cat Guard Installation Instructions
Professional Installation Recommended as Always - A car LIFT is HIGHLY Recommended

Tools Needed:

- Ratchet Wrench(es)
- 1/4" Socket (to hold Security Bits)
- 9/16" Socket
- 1/2" Socket
- 1/2" Wrench
- 3/8" Drill Bit
- Drill
- Helper
- Marker
- Ruler

What's Supplied:

Parts:

- (1) Main Shield
- (1) Left Shield w/ Pre-installed Rivnuts
- (1) Right Shield w/ Pre-installed Rivnuts

Hardware:

Bag 1

- (2) 5/16"-18 x 4.5" Hex Bolts
- (4) 5/16" x 1.25" Washers
- (2) 5/16"-18 Nyloc Nuts

Bag 2

- (3) 3/8"-16 x 1.25" Security Bolts
- (3) 3/8" Washers

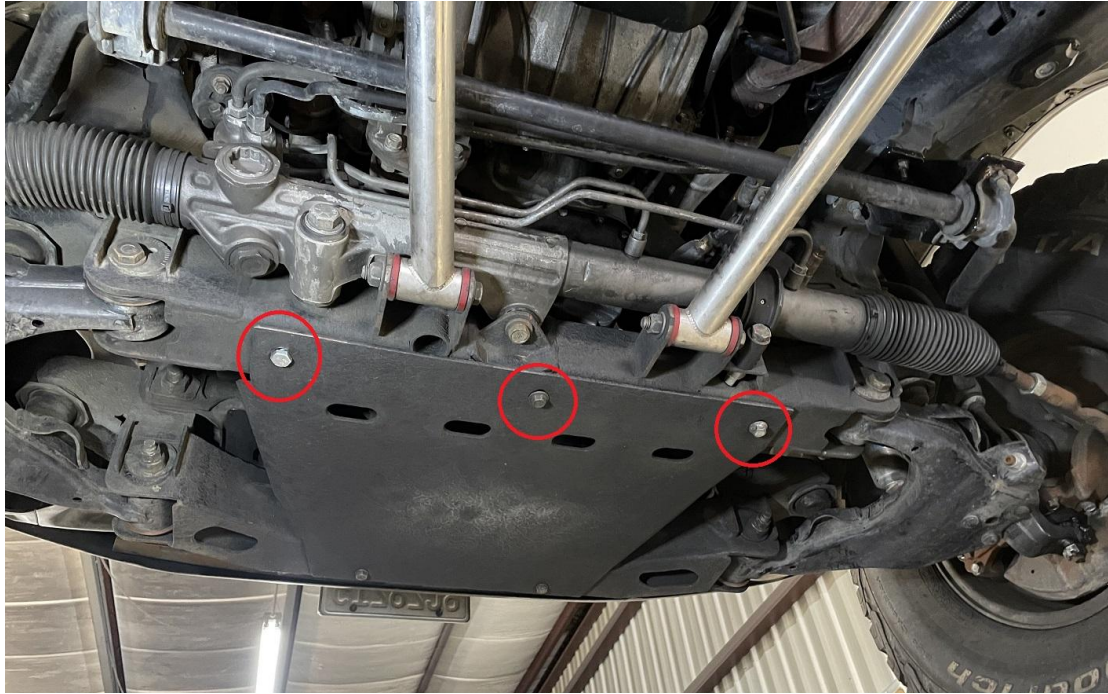
Bag 3

- (1) Thread locker
- (14) 1/4"-20 x 1" Security Bolts



Steps:

- 1.) Begin by lifting your Tundra. Place it securely on jack stands. Or alternatively use a vehicle lift. Since your vehicle is raised already, you may not even need a vehicle lift.
- 2.) Locate the crossmember between the front control arms. Remove the (3) bolts on your crossmember that hold the RCD skid plate. Use a 9/16" socket and ratchet wrench.



- 3.) Loosely install your FSPE cat guard main plate into those three holes.



4.) Hold the rear of the cat guard main plate up just behind the transmission crossmember. Assure it is against the back side of it. The top of it should line up with the crossmember's welds. Mark your 2 holes onto the crossmember.



5.) Remove the cat guard main plate.

6.) Drill $\frac{3}{8}$ " holes at the locations marked through one layer of metal in the crossmember.



7.) If your $\frac{3}{8}$ " drill bit is long enough, drill through the other side of the crossmember. Make sure your drill bit is straight. If your $\frac{3}{8}$ " drill bit is not long enough, use a ruler to measure where the holes are and mimic /drill them onto the opposing side of the crossmember (that's what we did).







8.) Install your cat guard main plate.

- At the rear, secure the 5/16"-18 x 4.5" long bolts first using washers against the crossmember and nyloc nuts on the inside. Use a 1/2" socket and wrench.
- At the front secure the three bolts - these accept 3/8"-16 x 1.25" security bolts with washers under their heads. Use blue loctite on these threads. No need to overtighten here. The FSPE cat guard main plate sits underneath the RCD skid plate. Keep in mind we used different bolts at the time so ours looks a tad different.

5/16" Bolts:

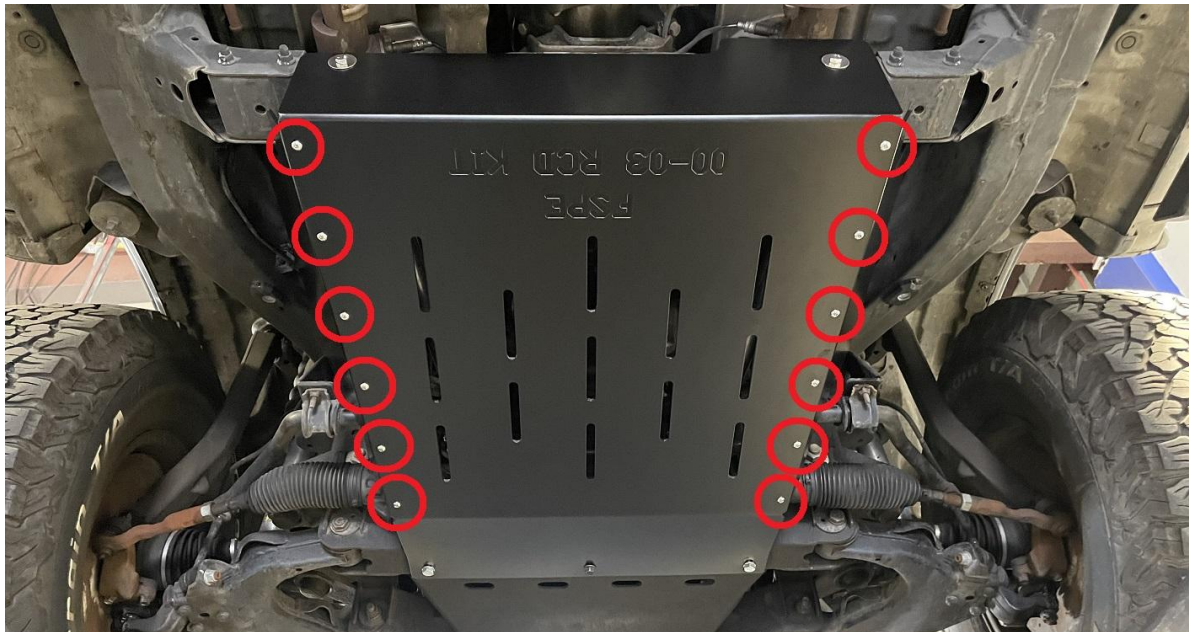
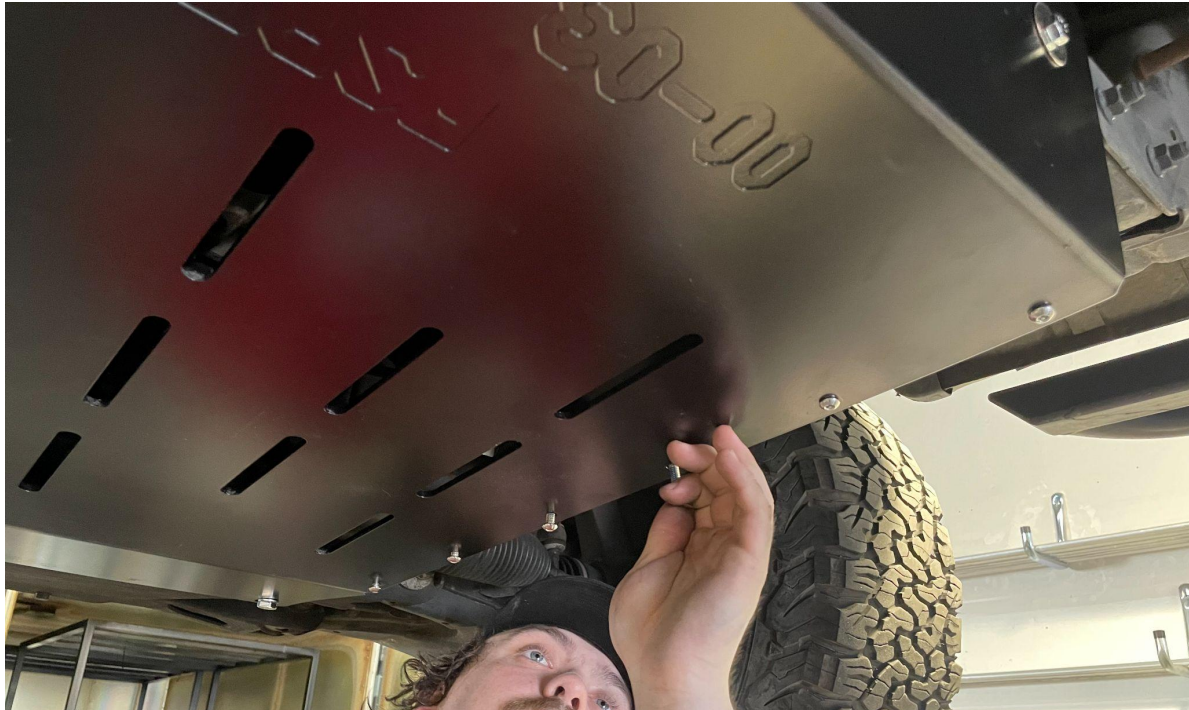


$\frac{3}{8}$ " Bolts:



9.) Install your side plates - there is a left and right (see pics). Use the $\frac{1}{4}$ "-20 x 1" long security bolts. Be sure to apply blue threadlocker on the threads when installing. A $\frac{1}{4}$ " socket will be necessary for the security bit. No need to overtighten here.





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

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THANK YOU :)