



PART CR3896
REV A · 2026-09-24

INSTALLATION GUIDE

CATALYTIC CONVERTER SHIELD

2007-2014 TOYOTA FJ CRUISER · 4WD · AUTOMATIC



Helps deter catalytic converter theft with bolted-on 12-gauge 304 stainless guards for the driver and passenger sides — no permanent modification to the truck.

CHECK YOUR FJ CRUISER FIRST

Fits 2007-2014 FJ Cruiser, 4WD only. It will not fit manual-transmission models, and it is not compatible with X-REAS equipped models.

- Laser-cut, CNC-bent 12-gauge 304 brushed stainless in a bare finish, with vent holes.
- 100% bolt-on at factory points — no drilling, welding or cutting.
- Driver- and passenger-side guards with tamper-resistant security hardware.
- Clears roughly 99% of the skid plates on the market. The factory front skid plate needs trimming (page 2).

TOOLS

12 MM + 14 MM + INCLUDED BIT

DRILLING

NONE

SIDES

DRIVER + PASSENGER



WATCH THE INSTALL VIDEO

<https://youtu.be/6jldrZGbQ1Q>

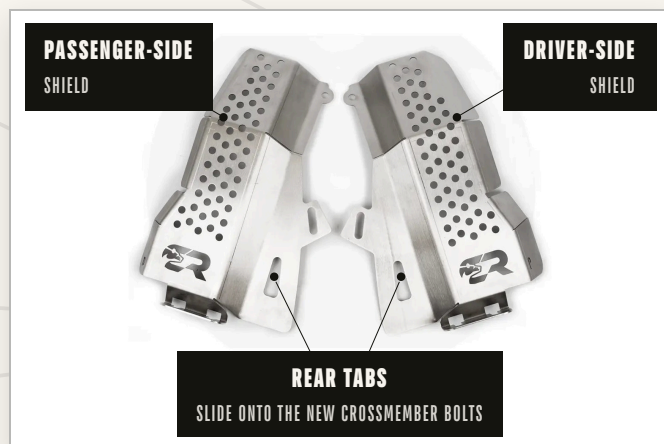
SHOT ON A 2010-2024 4RUNNER

MADE IN THE USA · FORT WORTH, TEXAS

CALIRAISEDLTD.COM

PARTS, TOOLS, FITMENT

THE KIT



THE HARDWARE



PRODUCT PHOTO

IN THE BOX

PART	KIT	PER SIDE
1 3/8 LONG BOLTS	4	2
2 ALUMINUM SPACERS	4	2
3 LARGE WASHERS	8	4
4 LOCK NUTS	4	2
5 SECURITY BOLTS	4	2
6 SMALL WASHERS	4	2
7 RUBBER BUMPERS	2	1
8 SECURITY BIT	1	-

1-4 REPLACE THE FACTORY CROSSMEMBER BOLTS · KEEP THE OLD ONES

FITMENT

- **Fits 2007-2014 Toyota FJ Cruiser** — must be 4WD.
- **Will not fit manual-transmission models.**
- **Not compatible with X-REAS** equipped models.
- You will remove some factory items — the front tube supports come off and go back on.
- **Aftermarket transmission skid plate?** Take it off first and put it back on after.

TOOLS YOU SUPPLY

12 MM WRENCH OR SOCKET — front tube support bolts.

14 MM WRENCH OR SOCKET — transmission crossmember nuts.

A WRENCH OR SOCKET FOR THE LOCK NUTS — the video does not give the size.

A RATCHET OR DRIVER that holds the included security bit.

A PICK to seat the rubber bumpers.

A FLOOR JACK, OPTIONAL — to support the crossmember while you swap bolts.

GOOD TO KNOW

- **Do not paint** — catalytic converters run hot.
- **FJ Cruiser: the factory front skid plate needs trimming to clear the shield.** Email support@caliraisedled.com for the trim pattern before you start.
- **About the photos:** Installation photos and the video were shot on a 2010-2024 4Runner, which uses the same shield and the same mounting points.

BEFORE YOU GO UNDERNEATH

Let the exhaust cool completely before you start. Park on level ground and support the vehicle on jack stands — never work under a vehicle held up only by a jack. **The transmission crossmember carries the weight of the transmission.** Swap its bolts one at a time, or put a jack under it first. **FJ Cruiser:** the factory front skid plate needs trimming — get the trim pattern from support first.

BENCH, THEN DRIVER SIDE

■ ON THE BENCH

1 BOTH SHIELDS · A PICK HELPS FIT THE RUBBER BUMPERS

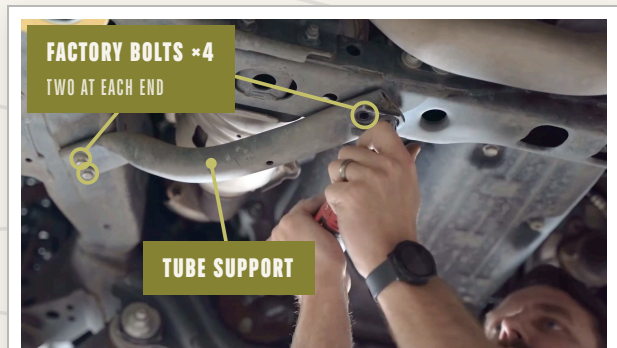
Fit a rubber bumper to each shield. Push the small end of the bumper down through the hole in the shield's lip from the top until it locks. A pick helps.



■ DRIVER SIDE

2 12 MM · KEEP THE BOLTS REMOVE THE FRONT TUBE SUPPORT

Take out its four factory bolts — two at the rear, two at the front — with a 12 mm wrench. **Keep the bolts.**



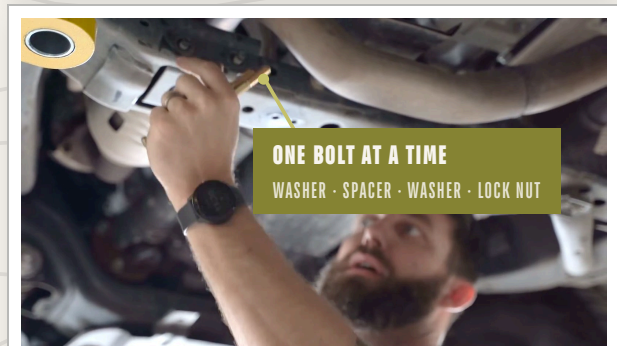
3 14 MM · TWO NUTS REMOVE THE CROSSMEMBER NUTS

Remove the nuts from the two transmission crossmember bolts with a 14 mm wrench. Leave the bolts in for now.



4 SUPPLIED LONG BOLTS · LOOSE SWAP THE BOLTS ONE AT A TIME

The crossmember still carries the transmission, so swap one bolt at a time, starting with the loose one — or put a jack under it. For each position: slide a large washer and then an aluminum spacer onto a supplied 3/8 long bolt, push it through from the front, then add a large washer and a lock nut on the back. Loose for now.



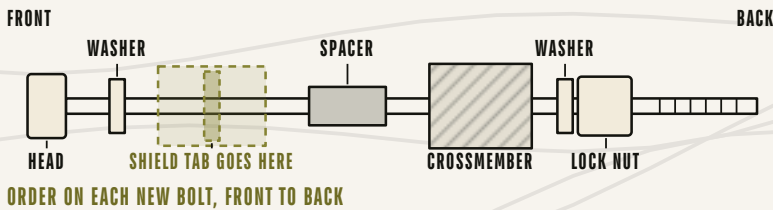
HANG THE SHIELD

5

MAKE ROOM FOR THE SHIELD

SET UP THE NEW BOLTS

Push both new bolts all the way forward. Pull each front washer up to the bolt head and push each spacer back toward the crossmember.



6

ONE FACTORY BOLT · LOOSE

HANG THE TUBE SUPPORT

Hang the tube support on one bolt, loosely, and let it rest there. It saves fighting with it later.

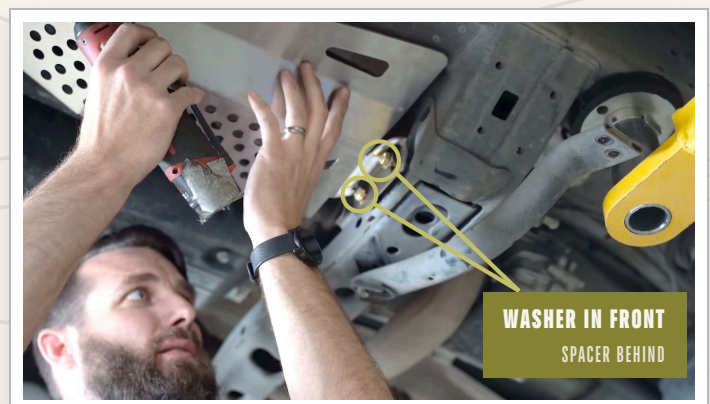
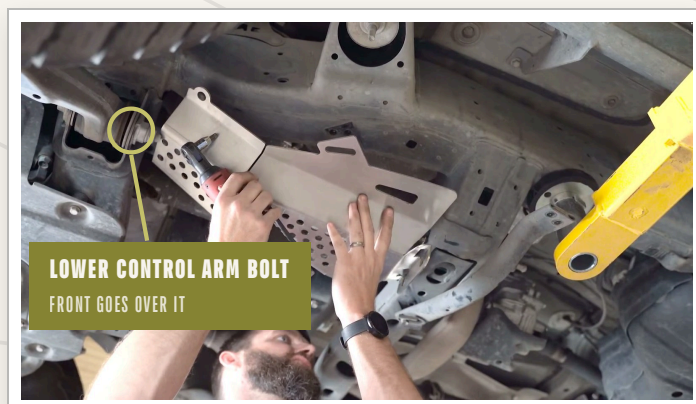


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FRONT FIRST, THEN THE REAR

FIT THE SHIELD

Lift the front of the shield over the lower control arm bolt, then slide the rear up onto the two new bolts. **The washers sit in front of the shield and the spacers behind it** — check that no washer has slipped behind.



TIGHTEN, THEN REPEAT

8

INCLUDED SECURITY BIT · LOOSE

START THE SECURITY BOLTS

Put a small washer on each supplied security bolt. Start the first one through the front end of the tube support and the shield tab, into the frame, with the included security bit. Start the second security bolt loosely, then the second factory tube-support bolt.

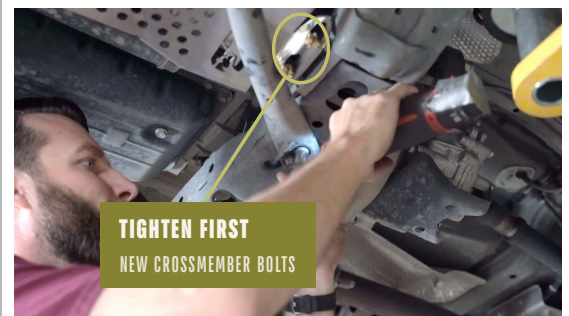


9

CROSSMEMBER FIRST

TIGHTEN IN THIS ORDER

- 1 **Crossmember lock nuts first** — this pulls the shield into position.
 - 2 Then the four tube-support bolts.
 - 3 Then the rear bolts and the security bolts — included bit.
- Do not over-tighten.** If the hardware will not seat the way it should, stop and email support before you force it.



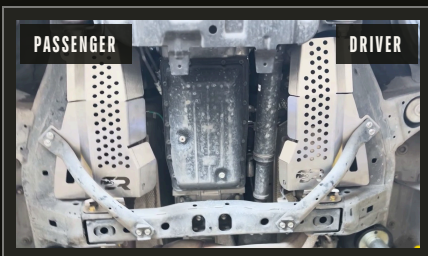
PASSENGER SIDE

10

SAME STEPS · SAME ORDER

REPEAT ON THE PASSENGER SIDE

The **passenger side is exactly the same** — same steps, same tube support, same bolting order. Repeat steps 2 to 9 with the passenger-side shield.



YOU'RE DONE

CHECK YOUR WORK

- Both shields sit flat and tight.
- All four new crossmember lock nuts are tight.
- Both tube supports are back on, with all four bolts each.
- All four security bolts seated — neither shield moves when pulled.

Keep the included security bit somewhere safe — it is what takes the shields back off.

SUPPORT

support@caliraisedled.com
5318 David Strickland Rd
Fort Worth, TX 76119

PRODUCT

[caliraisedled.com/products/
catalytic-converter-shield-for-2007-2014-toyota-fj-cruiser](https://caliraisedled.com/products/catalytic-converter-shield-for-2007-2014-toyota-fj-cruiser)
Backed by the Cali Raised LED warranty — see caliraisedled.com for terms.



INSTALL VIDEO