

Part# **DBBUS1**: Differential Bushing

What's included:

- (2) Two front differential bushings
- (1) One FREE sticker

Tools required:

- 19 mm deep socket wrench or lug wrench
- Torch – propane or acetylene
- Scraper or wire brush to clean debris
- Torque wrench
- Dawn dish soap

NOTE: Do not remove the metal sleeve from the bracket. Only the rubber grommet itself is removed.

Step 1: Remove any skid plates to access the two mounting brackets on the front of the diff.

Step 2: Remove the two mounting brackets from the front diff. The driver side bracket has two 19 mm bolts fastening it to the side of the diff housing. The passenger side has two 19 mm bolts holding it to the diff. Next, remove the long 19 mm bolt that goes through the front of the diff. bracket and frame of the truck, using a 19 mm socket and 19 mm wrench to hold the nut located just above the frame. The diff. will stay in place. It doesn't fall out, but just sags slightly.

Step 3: Now it's time to remove the old bushing from your brackets. The differential bracket has a steel sleeve that's pressed in, and it will remain in place. We are only removing the old worn rubber bushing. Heat the metal around the bushing with a torch (propane, acetylene, etc.) until it starts to snap, crackle, and pop. This sound indicates that the rubber has separated from the metal sleeve. Continue to heat the metal around the bushing until the bushing can be pushed out with a screwdriver.

Step 4: Once the old bushing is removed, torch any remaining rubber left in the metal sleeve of the bracket and scrape off any debris. This would be a good time to paint the brackets (adds 5 hp).

Step 5: Now it's time to press your new bushing into your clean diff. mount brackets. The new bushings are slightly larger in diameter than the diff. bracket sleeve. Protect the top of the diff. bushing with a rag or piece of cardboard and use a small press or a pair of channel-locks to squeeze the new bushings into place. Do not use a hammer to install the bushings. Dawn dish soap or hair spray (Aqua Net) should be used to lubricate the new bushing to help aid in easy installation. Reassemble brackets to the diff. and you're done.

Toyota FSM torque specs:

- Long front bolts that mount to the frame: 101 ft. lbs.
- Five 19 mm bolts that mount to diff housing are 116 ft. lbs.
- There is also an install write up with pictures on ToyotaBumpStops.com

Now go hit some trails or cruise the mall ... whatever you're into!