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Part # TSH-200 -- Del-a-lum frame bushing tool for Ford applications

Kit Contains:

- (1) ½-13 nut
- (1) ½ USS flat washer
- (1) Threaded steel plug
- (1) ½ x 13 all thread rod
- (1) Thick aluminum washer Part # 20109



You tube Video location how to use the tool.

This tool is used to install Del-a-lum leaf spring frame bushings in various Ford applications.

1. You should already have the leaf spring shackle and bushings removed from the frame.
2. It is very important to clean the frame hole from rust and corrosion. If there is any rubber, rust, or dirt in the frame hole when you are pressing the bushing in, the bushing could freeze up and stop.
3. Before pressing the bushing in you are going to place grease inside the frame hole.
4. For Ford shackle kits, the grease access hole in the bushing goes to the outside of the frame rail. You should have drilled the grease fitting hole and tapped it with a ¼ x 28 tap.

The grease fitting should point forward in the frame towards the front of the car at about the 5 o'clock or 7 o'clock position depending on what side of the car you are on. Note: The frame bushing has no step on the outside of the housing and is shorter than any of the other bushings in the kit.

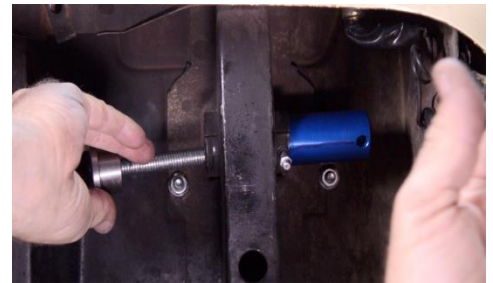


5. Install the bushing housing in the frame so the hole in the bushing lines up with the grease fitting.

6. Take the threaded rod and thread it into the steel plug as shown in the photo.



7. Slide the assemble from the inside through the frame and bushing on the passenger side. The driver side rod will slide through from the outside and you will thread the rod into the steel plug when it is in the housing. This is because of the gas tank.



8. Install the aluminum flat washer onto the rod.

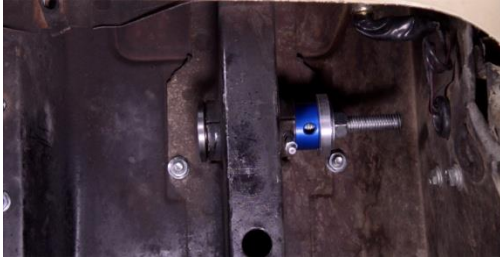
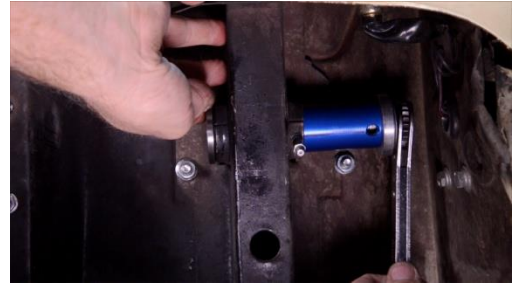


9. Install the steel flat washer onto the threaded rod.

10. Install the nut next so the assemble should look like the photo to the right.



11. Using a $\frac{3}{4}$ wrench, tighten the nut, the bushing will pull into the frame hole. Wrench the bushing in until it bottoms out on the threaded plug.



12. Once the bushing has bottomed out, release the tension on the bushing and unthread the plug off of the rod. You will have to thread the rod deeper into the housing so threads protrude at least $\frac{1}{2}$ an inch past the frame. Flip the threaded plug around and thread it back onto the rod. Retighten the nut and finish pulling the bushing into the frame. The bushing will stop when it contacts the threaded plug and will be flush with the frame.



13. Loosen the nut, unthread the plug, and remove the assemble out of the bushing.

Note: The driver side is similar to installing the frame bushing however the rod will always feed in from the outside of the frame rail. The passenger side is from the inside of the frame rail.

