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**Part # TSH-100** -- Del-a-lum frame bushing tool for Gm applications

Kit Contains:

- (2) ½-13 nuts
- (2) ½ USS flat washers
- (1) Cup Part # 20108
- (1) ½ x 13 all thread rod
- (1) Thick aluminum washer Part # 20109



You tube Video location how to use the tool. <https://youtu.be/AneDKJelaVg>

This tool is used to install Del-a-lum leaf spring frame bushings in various GM 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. On several GM shackle kits, the grease access hole in the bushing goes to the inside of the frame rail. On Camaro, Nova, Firebird, and Ventura you must press the bushing in from the outside of the frame, through the frame so the grease fitting protrudes past the frame on the inside. The key before doing the press work is: knowing where you are going to position the grease fitting for easy access when the shackle is installed.

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.

5. Next grab the tool and with a nut , steel flat washer and the cup on the threaded rod --- see photo

6. Slide the tool up through the frame rail – from inside to outside and slide the bushing onto the rod. Note the hole for the grease fitting in the bushing must be next to the frame rail. Rotate the bushing so the position of the grease fitting will be at the 5 or 7 o'clock position depending on what side of the car you are on. Remember if this is off you will not be able to rotate the bushing once it is pressed in.



7. Slightly start the bushing with your hand.



8. Slide the aluminum thick washer onto the threaded rod.



9. Next install the steel washer and add the ½ inch nut.



10. Use a couple of ¾ wrenches and by tightening down the nuts you will push the bushing into the frame.



11. Tighten until the bushing on the outside of the frame is flush with the frame housing and then remove the tool.



12. When completed the bushing in the frame should look like this with the grease hole sticking past the frame bushing housing on the inside of the frame rail.
13. Complete the other side in the same fashion.

