FRONT SUSPENSION SPRING COMPRESSION TOOL

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This tool is used to compress the front suspension spring to remove the shock housing. The unit is made of a top plate, two ½" diameter rods, (2) spacers made of ½" galvanized pipe (2" long), (2) ½" nuts, and a bottom frame.

The top plate is 2-3/4" wide x 5" long x ¼" thick. It has a hole in the middle 1-3/4" in diameter. This hole secures it to the spring housing and keeps it from slipping off when being used.

The top plate also has (4) pieces of 3/8" pipe welded to it as shown. The pieces are ¾" and 1" in length. A 3/8" bolt, 3" long are run through the (2) pieces of pipe welded to the plate and the piece of pipe welded to the top of the rod to form a hinge.

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Each rod measures 19” in length. The first rod has 5-1/2” of threads at the bottom and is bent at an angle of 25 degrees 8” from the **top**. It also has a 3/8” piece of pipe, 5/8” long welded to the top of the rod. This is used along with the pieces of pipe on the top plate to form a hinge.

The second rod is also 19” long and has 5” of threads at the bottom. It is bent at an angle of 15 degrees 13-1/2” from the top. Again, a piece of 3/8” pipe, 5/8” long is welded to the top of the rod to form the hinge.

The bottom plate is formed from (2) pieces of ¾” x ¾” angle iron, 15” long. (2) Plates, 2” x 3” x 1/8” are welded to these angle irons to form the bottom base. The center holes in the (2) attaching plates are located 1-1/2” in from the ends. The overall width of the frame is 3”.

If I was making this over again, I would use (1) 3” x 15” x 1/8” plate on the bottom frame instead of the (2) 2” x 3” plates. I have found that the opening in the bottom of the frame hinders its operation.

If you are not able to make this tool, one similar to this can be purchased from Werner Schwark. In his last book he listed it under plate 12 (special tools), item T37. The price at that time was $60.00. You can contact him at Isettas@bellsouth.net