

REMOVING SAVIOR SPRINGS

Parts Needed:

1- 7/16" threaded stock (all-thread) at least 8" I used a 3' piece. Shorter is easier to manage.

3-nuts for all thread

1 washer to fit all thread at least 1" wide

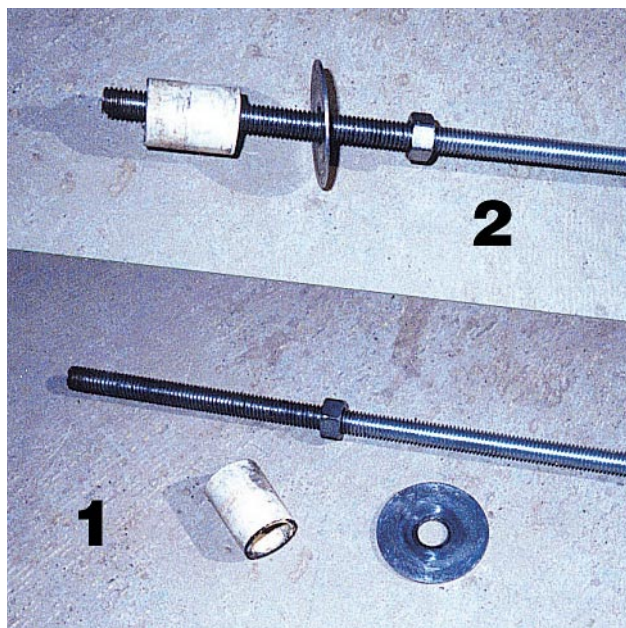
1 piece of pipe 1" diameter and 1.5 " long (I used Heavy Duty PVC)

10-12 Cable Ties plastic cinching (more than needed but they break)

Wrench to fit nuts

Flat screw drivers

Patience, a few of your favorite curse words and some luck



Screw two nuts on one end of all-thread and tighten them together. This is to make sure the threaded stock does not turn when you are undoing the compression, (use wrench to hold these when unscrewing nut that compresses springs) don't want that baby to come out until you want it out. Screw the other nut on the other end about 4" in.

Place washer on that end.

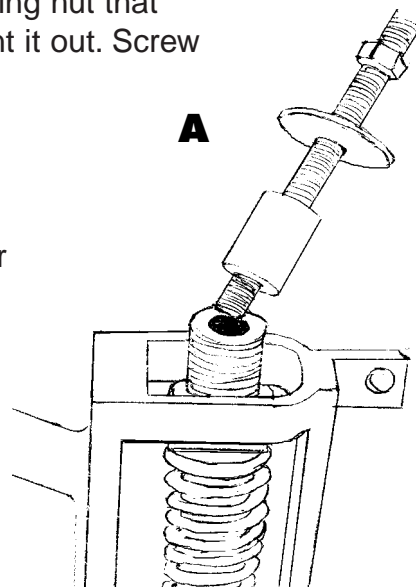
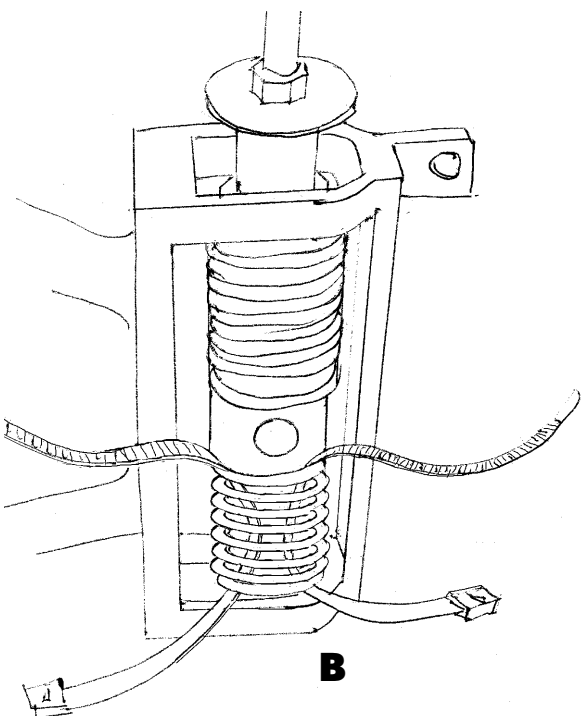
Place pipe on next. **See Photo 1 & 2.**

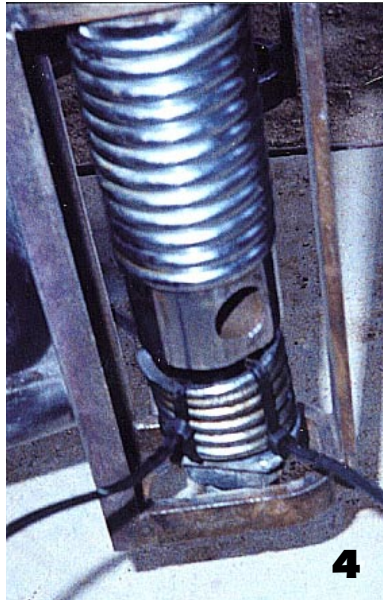
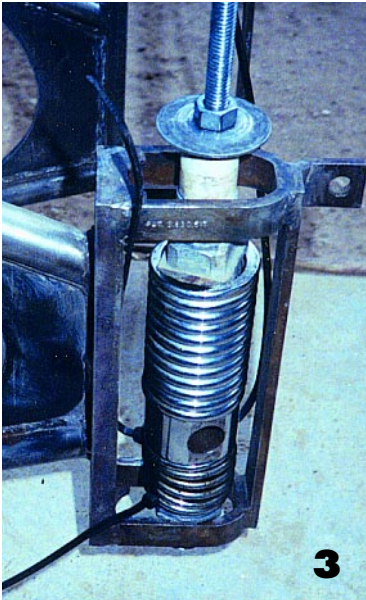
To start, remove upper & lower nuts and alignment parts from savior unit. Screw all-thread into the top of shaft. **See Drawing A**

Tighten the nut and this pulls the shaft up and compresses the top spring. Make sure the shaft goes into the pipe. This is the only way you can compress the springs enough to remove them.

When you have screwed the nut down all the way the bottom spring will be uncompressed. **(Important Tip: Use anti-seize to prevent galling threads.)**

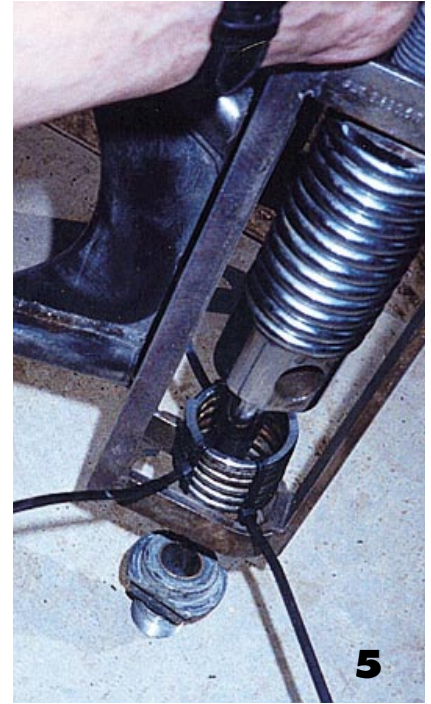
Here's where it gets a little tedious. Put the cable ties from top to bottom of the lower spring. **See Drawing B** It will take 3 to keep the spring from twisting. The lower springs are not as stiff as the upper springs and can be pried up or down with a screw driver to help position the ties. After the ties are attached, start to uncompress the top spring by unscrewing the nut. This will start to compress the lower spring. Tighten the ties as it compresses. It may be necessary to use the screw drivers to pry the bottom of the spring up so ties will not get pinched.





If all goes well when you have backed off the nut all the way, the lower spring will be compressed and the ties will be tight.
See Photo 3 & 4.

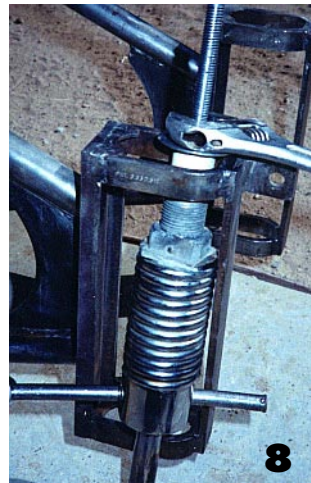
Next tighten the nut again and compress the top spring. When you get it tight the lower bushing can be turned 45° and taken out the bottom.
See Photo 5



The shaft can be tilted to the side and when you unscrew the nut the top spring will uncompress and the shaft and spring will come out.
See Photos 6, 7, 8 & 9

Reverse process for installation.

Be sure to place the thread stock through the top of the frame before you start to assemble the springs. Grease before assembly. . Check bushings. I replaced all 4. Nearly 30 years without any grease takes it's toll. **See Photo 10** After assembling, cut ties and compress top spring enough to remove the cut pieces, then un-screw the nut and remove threaded rod and that's it.



THIS IS MY FIRST DRAFT. I HAVE NOT GONE STEP BY STEP TO SEE IF I MISSED ANYTHING. PLEASE LET ME KNOW IF THERE IS SOMETHING I LEFT OUT OR IF THERE IS A BETER WAY. BE CAREFUL AND KEEP CHOPPIN!

MICK D
mickd18@comcast.net

