

A124/R129 soft top main  
hydraulic cylinder 129 800 0272  
rebuilding

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# Disassembly



# Disassembly.

- I do not use the heat. take an average size hammer and deliver several good but careful hits around the rod/cylinder in the threaded area 1 and 2 indicated by red circles. The purpose is to release the thread. It works magic! Use vise or any other hard metal surface as a support. Do not hit the rod, seal holder or the cylinder body outside the indicated area.
- Pull out the rod all the way and clean the rod and cylinder from oil. Use your favorite paint thinner, alcohol or dish soap. It should be very clean. On this rear occasion we need the friction force to work for us, not against.
- Put as much of the rod as the vise as you can. Wider vise is better. I use aluminum overgrips with about 1/4" rubber. Do not hesitate to tighten the rod. You won't crash it.
- Take an adjustable wrench and unscrew the end tip.
- Put the cylinder body in the vise. Do not tighten in the thread area 2. You do not want to lock the thread. Do not tighten the cylinder body hard. You won't need a lot of torque here, and the cylinder has larger diameter than the rod, that helps to counter torque as well.
- Unscrew the seal holder. Leave the rod INSIDE the cylinder. You do not need to take it out. Everything is good there.

Use vise wisely.



# Seal replacement

- Using a non sharp small flat screwdriver and dentist tip remove the remnants of the old seal from the groove inside the seal holder. Be sure no pieces remain. Use small (non-metal) brush if needed to clean the groove out. You should work from the larger diameter side.
- Lubricate the new seal with ZH-M fluid and put it inside the seal holder. Work the seal inside the groove using any non-sharp tools you like. The new seal is flexible. Be sure you install the U-seal groove towards the cylinder body. The pressure should expand the seal to make better contact of the seal lip with the rod.

# Seal replacement



# Assembly.

- Carefully put the seal holder on the rod. Be sure not to damage the new seal. Rock it slightly back and forth and turn a little while the seal is making thru the step after the thread.
- Put few drops of threadlock on the threads and tighten the seal holder and the end tip. Do not put a lot of threadlock. Remember, if everything goes right, you will have to do it again when you will be too old and won't be able to raise the hammer to crush the threadlock not talking about tightening the vise! Make your life easier 20 years from now. Just one or two small drops of threadlock. That is all needed.
- The rest of the work will require a lot of thinking. Go to you favorite liquor store and make your selection! Do not hesitate to buy something good. That is your local dealer who has to save on liquor today!
- Questions: [mbcylinders@gmail.com](mailto:mbcylinders@gmail.com), complaints: `/dev/null`