

Here is an email from Messick's re the LA463 loader hydraulics.

Stuart,  
Good afternoon.

I apologize, it does state to use special tools(slide jig and correcting jig) to install the expander and piston seal. However, it instructs you or us as a dealer to make the tools.

We do not have these tools.

Our technician informs me that he would heat the expander in water or oil and install it manually into the piston groove. He would then install the piston seal over the expander.

And then he would put the piston with seals in a refrigerator for a few minutes, which will shrink the piston seal over the expander  
and allow the installation into the cylinder barrel.

I hope this helps, if you need more information, please let me know.

Thanks, Tim

Tim R. Marholz  
Messick's Technical Support

P.S. He included pages S-14 through S-17 of the LA 463 service manual. [LA463 piston seals.pdf](#)