



JK Yeti XD Boot Seal Replacement Kit Installation Instructions

1. Loosen the clamp nut on the side of the linkage with the damaged boot seal. Remove the ball stud nut from the tie rod or draglink end with the damaged boot seal and knock the ball stud free from the knuckle or pitman arm. Unthread the tie rod or draglink end with a damaged boot seal from the tube assembly.
2. Remove the damaged boot seal using a hammer and flat screwdriver as shown in Figure 1



Figure 1: Seal Removal

- For replacement seals there are two installation options depending on if the ball stud has an external hex or an internal hex and on the installer's preference.
 - i. If installing a new boot seal on a socket that has an internal hex as shown in Figure 3, then Seal installation process A or B will work depending on the installer's preference.
 - ii. If installing a new boot seal on a socket that has an external hex as shown in Figure 2, then seal installation process B will be required.



Figure 2: Internal Hex



Figure 3: External Hex

Installation A: For sockets with an internal hex ball stud only.

1. Insert the boot seal inside the cover as shown in Figure 4 and Figure 5.



Figure 4: Boot Seal & Cover



Figure 5: Boot Seal in Cover

2. Center the boot seal and place a socket around the zerk so that force can be applied to the cover and socket without risking damage to the zerk as shown in Figure 6 .
3. Place the assembly in a vice or a clamp as shown in Figure 7 and slowly press the boot seal down the machined diameter.



Figure 7: Compression of Assembly



Figure 6

4. Continue to press the boot seal on until the pads just begin to touch the machined face as shown in Figure 8. Do not over compress the boot seal which will disallow proper grease purging.



Figure 8: Properly Installed Seal Height

Seal Installation B: Required installation process for sockets with an external hex ball stud. This process can also be used for internal hex ball stud sockets if preferred or if a vice/clamp is unavailable for installation.

1. Cut approximately 3/4" off the end of the cover as shown in Figure 10 using either a hacksaw, scissors, snips, etc. so that the first threads are visible when the seal and cover are placed over the socket as shown in Figure 9.



Figure 9: Cover Modification



Figure 10

2. With the seal and cover centered on the socket, begin threading the M14 nut onto the ball stud.
3. Slowly thread the nut down as shown in Figure 12 until the pads on the bottom of the seal just touch the machined surface as shown in Figure 8. Do not over compress the boot seal which will disallow proper grease purging.



Figure 11: Torque Seal in Place



Figure 12

Once the replacement seal has been installed thread the tie rod or drag link end back into the linkage and reinstall the linkage per the Yeti XD linkage installation instructions. If the linkage installation instructions are no longer available to the installer, the most up to date copy can be found at steersmarts.com.

EXTRA:

The boot seals can be difficult to get to go on to the end with only the plastic applicator tool, so below is something that can be done to help facilitate affixing the new boot seal to your Yeti XD drag link or tie rod end:

- Make sure to grease the inside of the boot seal thoroughly.
- Using a 1-5/8" socket (or a pvc pipe or something similar), put the boot seal on the end, put the plastic application tool over the boot, and then put the socket over the applicator tool.
- Using a smaller socket over the zerk fitting, insert the setup into a bench vice or use a large c-clamp and apply force to the setup – the boot seal should pop on easily. See images below:

Images:

