



# K46 TRANSAXLE INPUT SHAFT REPLACEMENT







Presented by TTC

Time required: 10-15 minutes

Note: Some models may vary in appearance or fan/pulley stack-up. This diagram is intended to provide information for the replacement of the Input Shaft..



# Tools Needed

-  Snap ring pliers
-  Flat screw driver
-  21 mm box end wrench
-  Electrical tape
-  Rubber mallet/hammer
-  Grease



**Work Area:** All work must be performed in a clean and well-lit area to prevent contaminations from entering the hydro mechanical drive system.



🔧 Remove the snap ring, fan, and pulley. Please note the stack up of the pulley, fan, washer etc.

🔧 Discard the old snap ring





🔧 Remove the e-clip from the shaft.

**Note:** Typically the e-clip can be used on the replacement shaft, but if the clip appears worn then we suggest that it is replaced.







 Remove the seal by puncturing the seal with a screw driver and lifting upward in order to pry out the seal. Be careful not to damage the upper housing.

 Remove the snap ring. **Note:** The snap ring can almost always be retained and reused.





 Simply pull the Input shaft and bearing assembly out of the upper housing. **Note:** Be sure to pull straight out so that you don't move the spring or the pump cylinder block on the inside of the unit. If the internal parts get out of alignment then the unit will have to be completely disassembled.



 Install the new Input shaft and bearing assembly. Pay attention to the spring that is located inside the unit as this must align correctly.




 Install the snap ring and make sure that it is seated properly.


 Tape the splined portion of the shaft with electrical tape.






 Apply grease to the new oil seal. A generous coating will be fine in order to protect the seal.




 Carefully slide the new seal over the input shaft. Press the seal down with your thumbs as evenly as possible.



 Place the 21 mm box end wrench on the seal and gently tap the seal into proper position.  
**Note:** Be careful not to damage the seal, shaft or the upper housing.

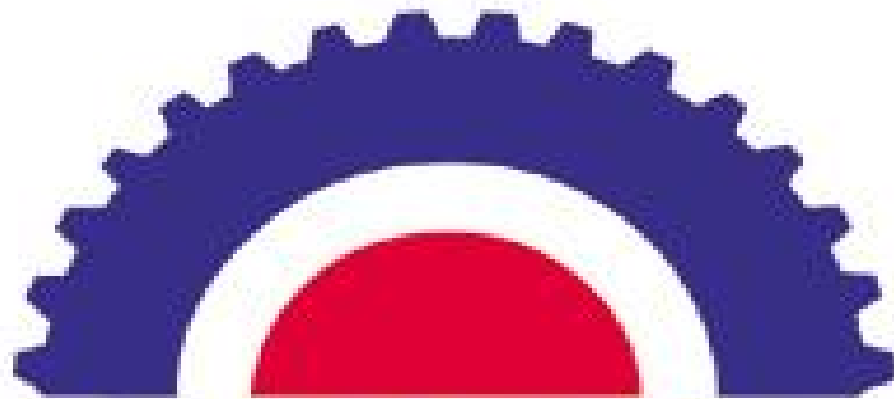
 Remove the tape.

 Install the e-clip back on the shaft.

 Install the fan, washer, pulley and new snap ring. **Note:** Proper orientation is critical.







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