









# K46/T40/TL200 TRANSAXLE CONTROL ARM SEAL REPLACEMENT PROCEDURE

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*Note: Some models may vary. This diagram is intended to provide information for the replacement of the Control Arm Seal only.*

# Tools Needed

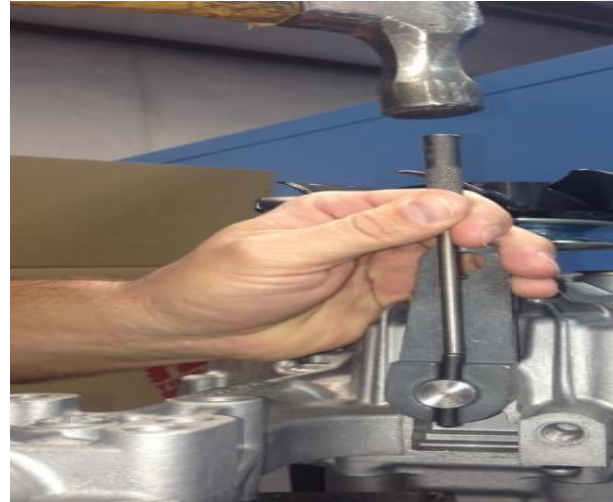
-  Hammer
-  No.7 center punch
-  Grease
-  Small o-ring / seal pick tool



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- Center the hand punch over the factory double Roll Pin and carefully drive the Roll Pin out
- Discard the Roll Pin once it is driven out
- Remove the Control Arm in order to access the Control Shaft Seal



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 Tilt the unit up slightly on the Control Shaft side and begin to remove the Seal with the seal removal tool. **Note: Be careful to not damage the Shaft or the Housing**

 Wipe the Shaft and Housing clean of debris. Inspect the Shaft for burrs. If burrs are present gently smooth the affected areas




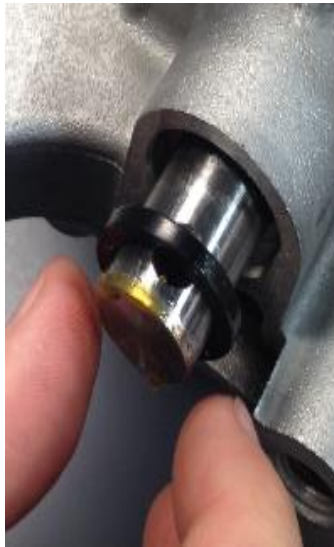
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 Apply grease to the inner portion of the Seal





 Install the Seal by hand and push in firmly. Make sure the flat side of the Seal is facing the outside of the Housing



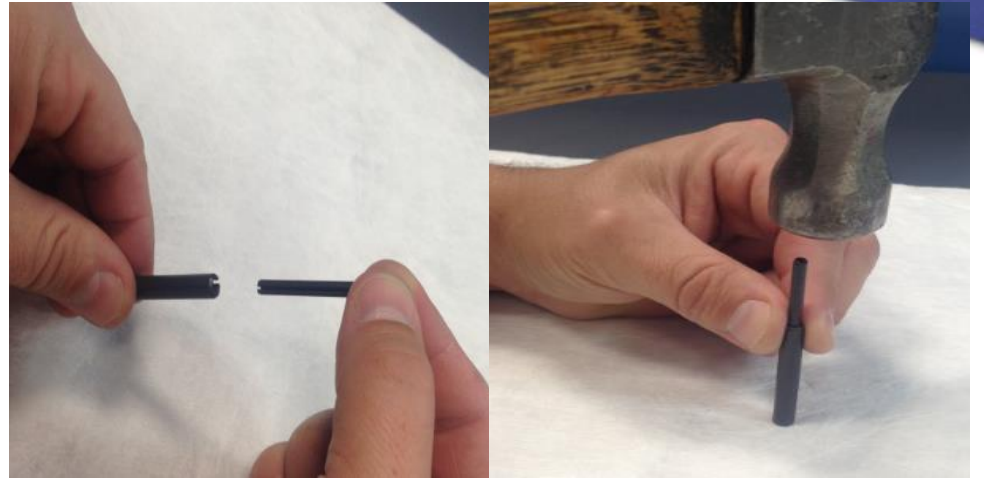
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-  Continue to press the Seal into the Housing with the rounded or dull end of the removal tool. Be careful to not damage the Seal
-  Now that the Seal is installed, inspect to see that the Seal is installed 2-3 mm inside the edge of the Housing. This will protect the Seal from contact with the Control Arm



- Install the inner and outer Roll Pin.  
**Note:** Be sure to place the slit in each Roll Pin the opposite of each other
- The inner Roll Pin may need to be driven into the outer Roll Pin by a hammer
- The inner Roll Pin may need to be driven into the outer Roll Pin by a hammer



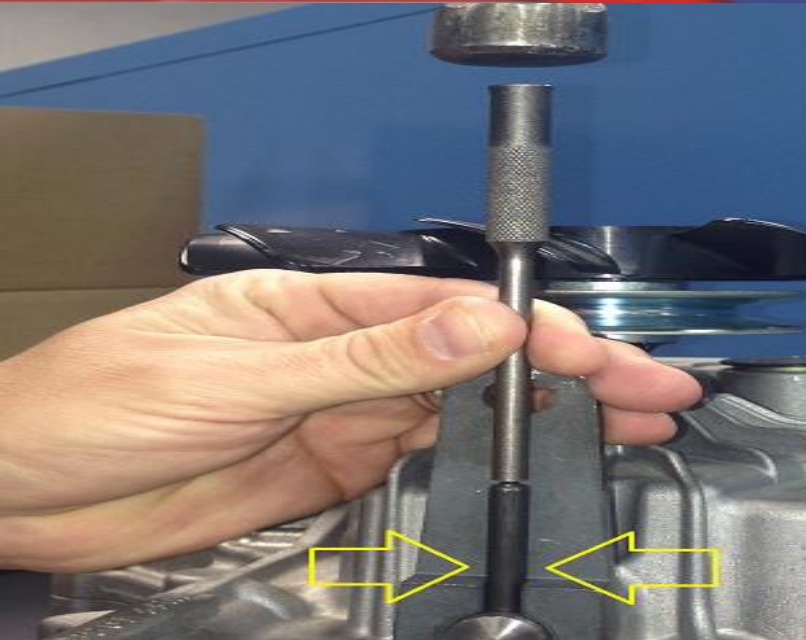


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With the Control Arm in place, drive the new double Roll Pin into the Control Shaft. The direction of the slits should be in the 3 o'clock and 9 o'clock position when looking directly over the Control Arm/Shaft hole.

**Note:** *The Roll Pin should be driven until it is centered into the Control Shaft*



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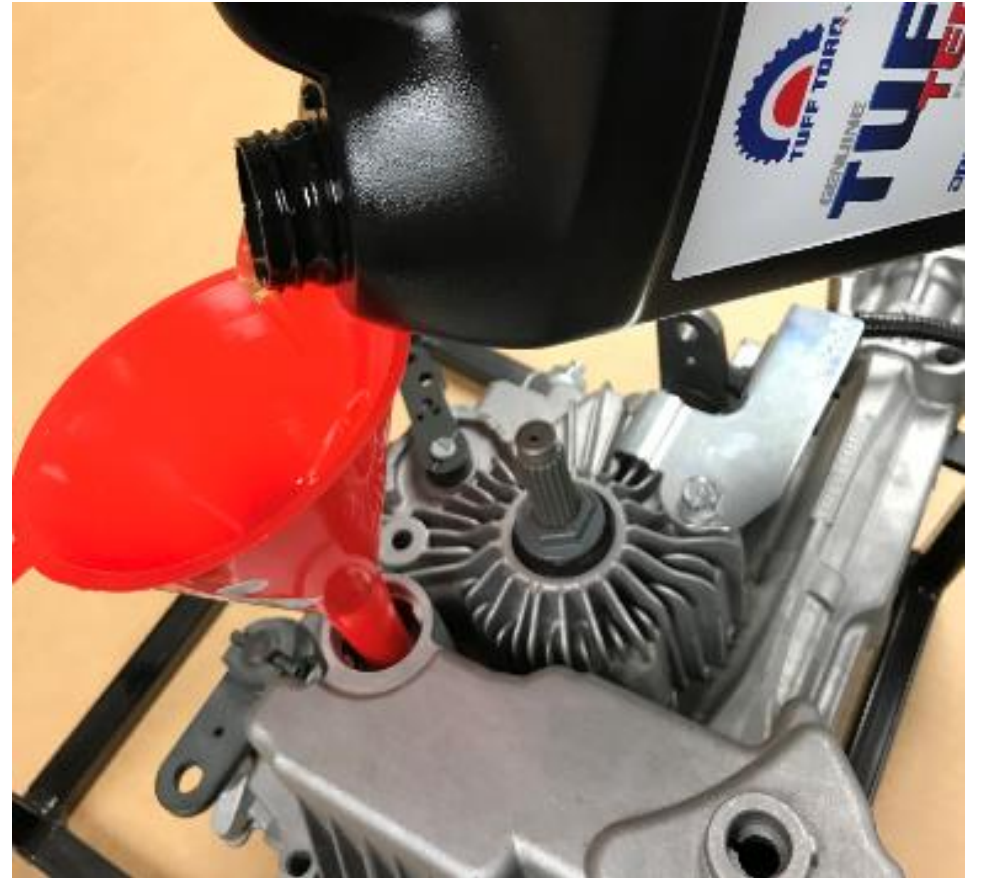
- Remove the Snap Ring, Fan, and Pulley. Please note the stack up of the Pulley, Fan, Washer etc.
- Discard the old Snap Ring. *Note the orientation of the original Fan/Pulley stack up for proper re-installation*
- Remove the Sealing Cap by prying up with a flat screwdriver. Also remove the Magnet



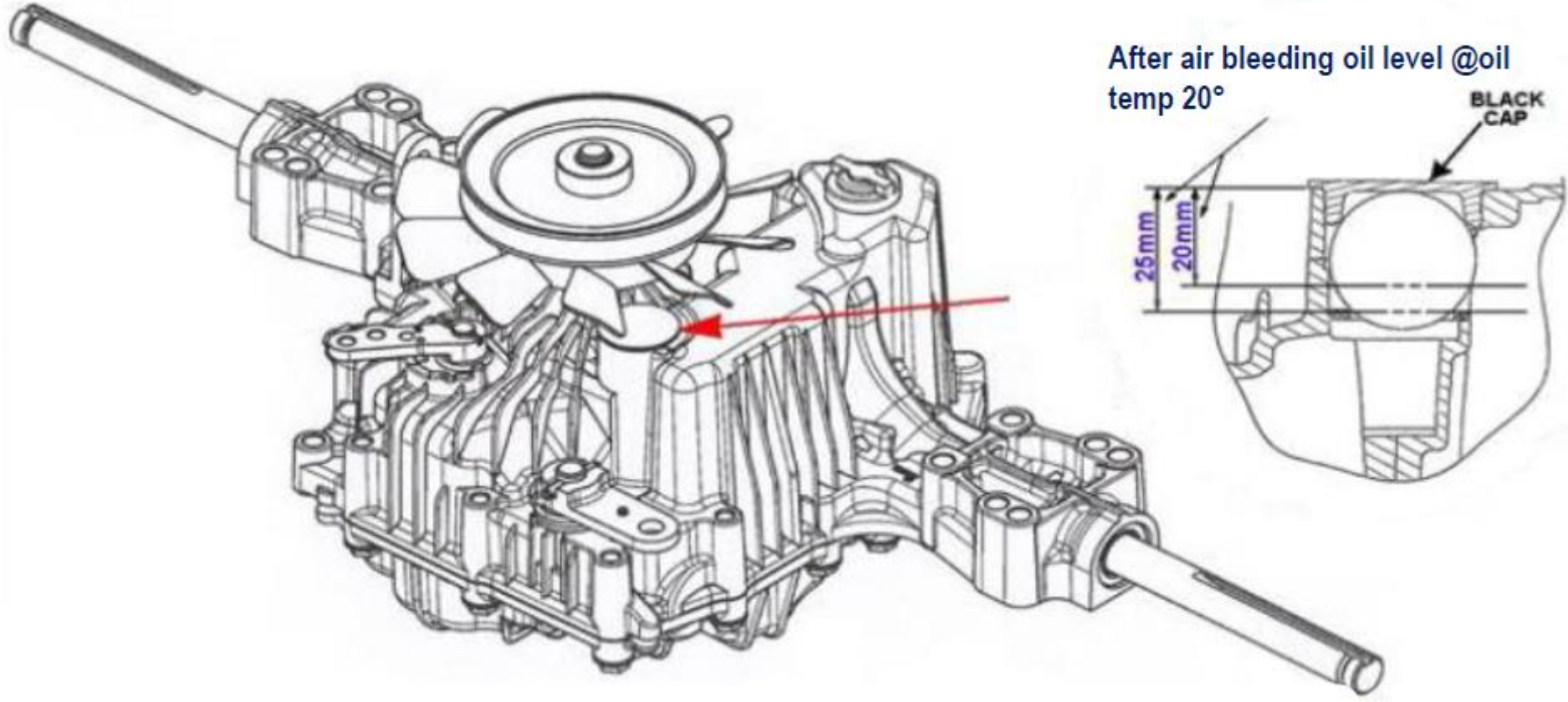
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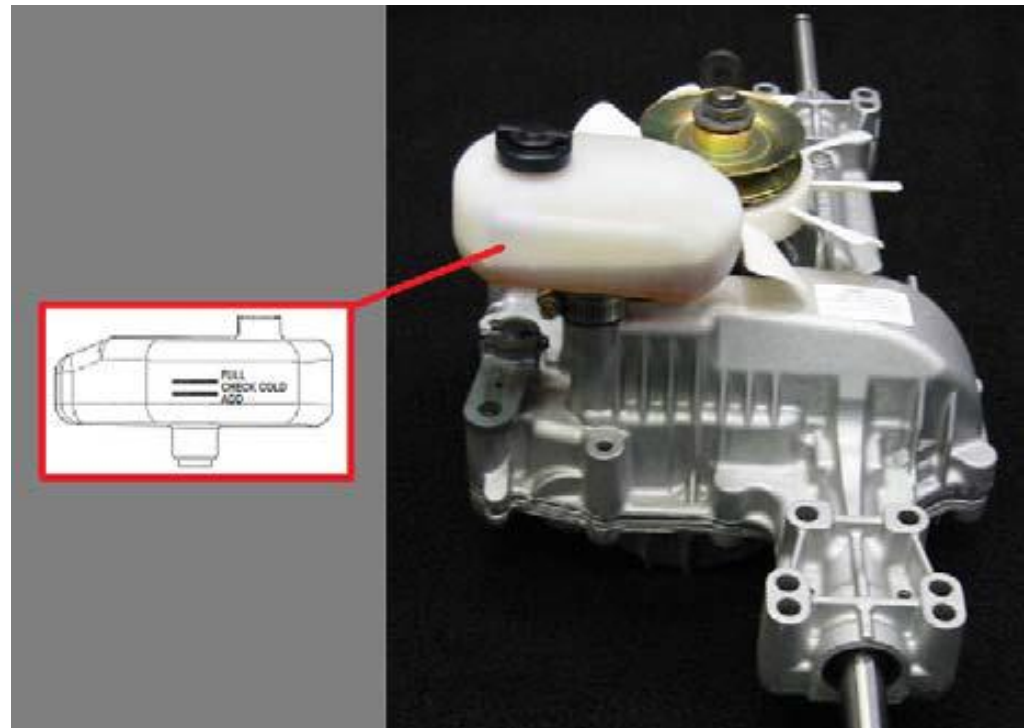
- See oil level height below. Oil level should be maintained at 20~25 mm (3/4"~1") below the lip of (black cap) port. Use Tuff Tech Oil (187Q0899000 ) to top off or refill the transaxle. If the oil appears contaminated feel free to turn over and drain and refill completely with approx. 2.3 liters of Tuff Tech oil. Reinstall the Magnet and the Sealing Cap



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- For transmissions with external or remotely located expansion reservoir, oil should be added to the level marked on tank and/or indicated in operators manual.
- One expansion tank example is shown at right





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