K46/T40/TL200 TRANSAXLE
AXLE SEAL REPLACEMENT PROCEDURE

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Note: Some models may vary. This diagram is intended to provide information for the replacement of the Axle Seal only.
Tools Needed

- Electrical Tape
- Grease
- Rubber Hammer
- Seal Installation Tool
- Flat Screwdriver
• Use a flat head screw driver to extract the leaking Axle Seal from the transaxle case. *Take care not to damage the case where the Seal seats by using cardstock or cardboard.*

• Thoroughly clean the Seal mating surface with a clean cloth or towel.
After removing Axle Seal inspect the Axle Bushing to insure it is in the original position, if not please see repair procedure for axle bushing repair.

A miss aligned Bushing can cause the axle seal to leak
Wrap tape around the Axle starting inboard and ending at the tip of shaft in order to cover keyway and protect double lips of new Seal during installation

Apply a generous coating of grease between the double lips of the new Seal and over the newly applied tape on Axle
Make certain the retention Spring is on the new Seal and the Spring is facing inboard when the seal is installed.
Slide Seal onto wrapped Axle shaft. Seal side with lip retainer spring should be on inboard side.

Slide Seal up to the housing and seat it by hand before using Seal Installation Tool.
Using the Seal Installation Tool drive the seal all the way up in the housing until it is seated against the axle bushing

*Note: Part# 3333 ¾” Axle Seal Installation Tool was used on this procedure*
Remove the tape from the axle and clean off any remaining grease and or oil from the axle and Seal area and inspect the Seal for leaks.
Remove the fan and pulley stack up prior to oil inspection

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

Inspect the E-clip.

*Note: Typically the E-clip can be reused, but if the clip appears worn then we suggest that it is replaced*
The oil should be inspected before placing the transaxle back on the mower. Remove the Sealing Cap by prying up with a flat screw driver. Also remove the magnet prior to inspection or draining/refilling.
See oil level \textit{FIG 1}. Oil level should be maintained at 20\textasciitilde{}25 mm (3/4\textasciitilde{}1\textquoteleft\textquoteleft) below the lip of (black cap) port. Generally after a leak it is recommended to drain and refill the oil with approx. 2.3 liters of fresh Tuff Tech Oil 187Q0899000.

Once the oil level is correct be sure to reinstall the magnet and the Sealing Cap.

\textit{Note: See Air Bleed Procedure to bleed any air out before final oil level inspection.}
After air bleeding oil level oill level temp 20°
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