Axle Bushing Alignment Procedure for the T40, TL-200, K46, K57 or K574 TUFF TORQ transaxles

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Note: Some models may vary. This diagram is intended to provide information for the replacement of the Axle Bushing only.
One of the reasons for a leaking Axle Seal is the Bushing sliding against the Seal.

An out of position Axle Bushing can cause the Seal lip to be deformation and/or damaged; which could result in oil leakage.
Correct position of axle bushing = 2~3mm beyond offset in Upper Housing

If your Bushing is not at that position then the following procedure will restore the Bushing to the proper depth in the case
Use a flat head screw driver and mallet to extract leaking Axle Seal from the transaxle case.

Use a piece of cardboard or card stock to protect the case from damage when prying.
Drive Bushing into position with a hammer and a piece of ¾” pipe of similar O.D. as Bushing.
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 new Seal and over the newly applied tape on Axle
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Make sure you know how the Seal is supposed to be positioned on installation. The retention Spring goes inboard.

Spring goes to the inside

To the outside
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.
Remove the tape from the Axle and clean off any remaining grease and or oil from the Axle and Seal area.
Using the Seal Installation Tool (Part # 3333), drive the Seal all the way up in the housing until it is seated against the axle bushing. **Note: Ensure the Axle Seal is not sticking out past the end of the Housing. A chamfer should be visible on the Upper Housing once the Seal is installed properly.**
Once the repair is finished add the recommended oil to the transmission
Check the oil level to be correct
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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