



# Technical Service Information

## THM 4L65-E NEW SUN SHELL AND THRUST BEARING

**CHANGE:** Beginning at the start of production for model year 2001, General Motors introduced a new transmission designated THM 4L65-E (M32) with many engineering changes. Currently this unit is found in all 2001 Cadillac Escalade and any vehicle with 6.0L engine or larger, that was previously equipped with the THM 4L60-E transmission. One of the changes includes a new design sun gear shell and thrust bearing to replace the previous design washer, as shown in Figures 1 and 2.

**REASON:** Increased durability and reliability.

### PARTS AFFECTED:

- (1) SUN GEAR SHELL - The holes in the sun shell for the previous thrust washer have been eliminated, as shown in Figures 1 and 2, to accommodate the new thrust bearing.
- (2) REACTION CARRIER SHAFT - Modified on the rear surface to accommodate the added thrust bearing, as shown in Figures 3 and 4.
- (3) THRUST BEARING - Added for increased durability, as shown in Figures 3 and 4.

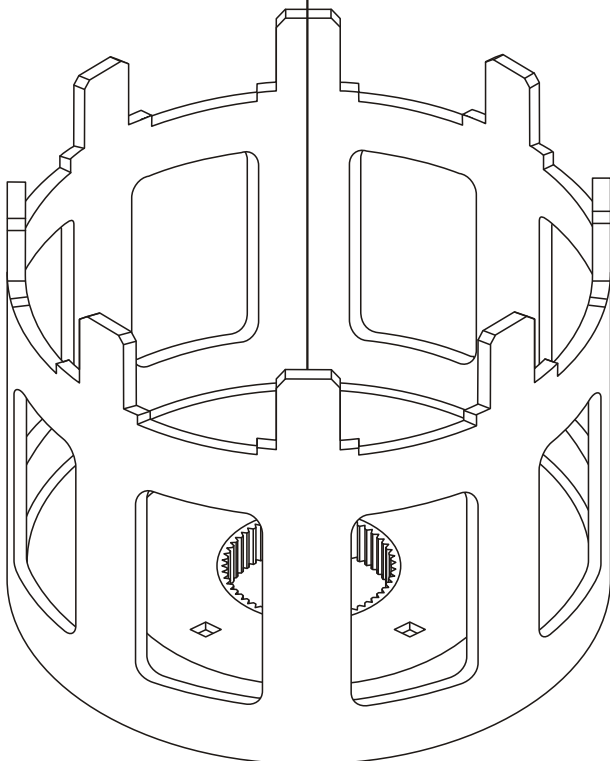
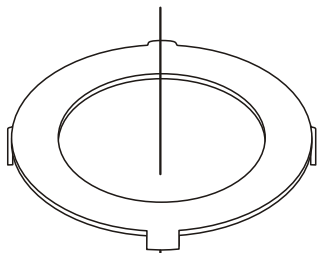
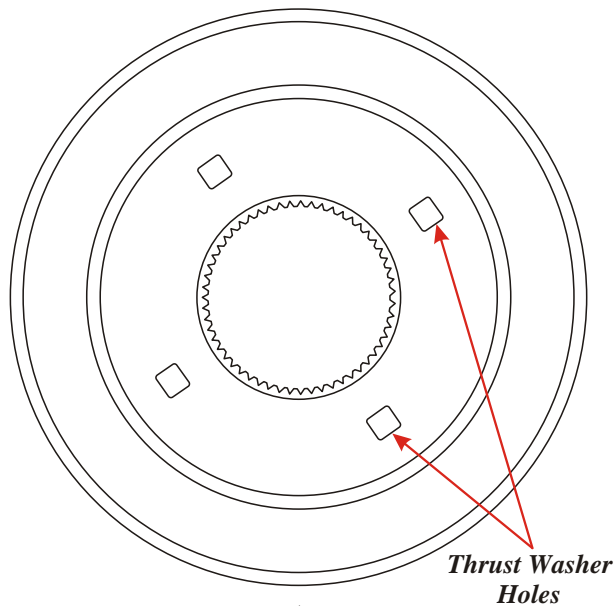
### INTERCHANGEABILITY:

*Will Not* interchange with any previous design parts, but *Will* retro-fit back on any previous model 4L60-E transmission, *when used as a service package*.

### SERVICE INFORMATION:

Sun Gear Shell (New Design) .....	24217145
Reaction Carrier Shaft (New Design) .....	24217157
Sun Shell Thrust Bearing (New Design) .....	24217328

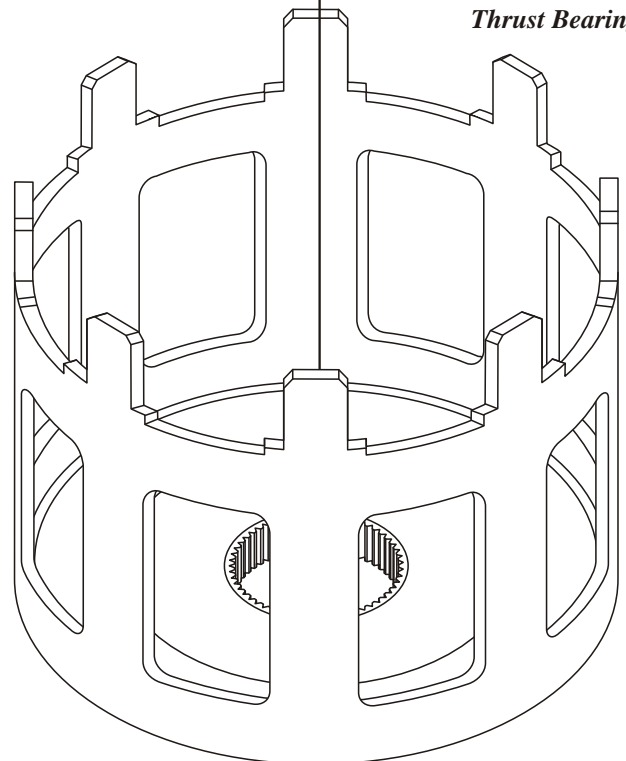
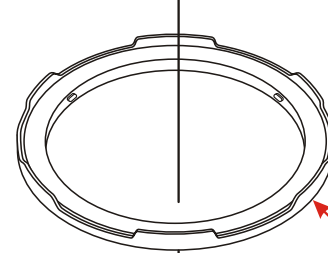
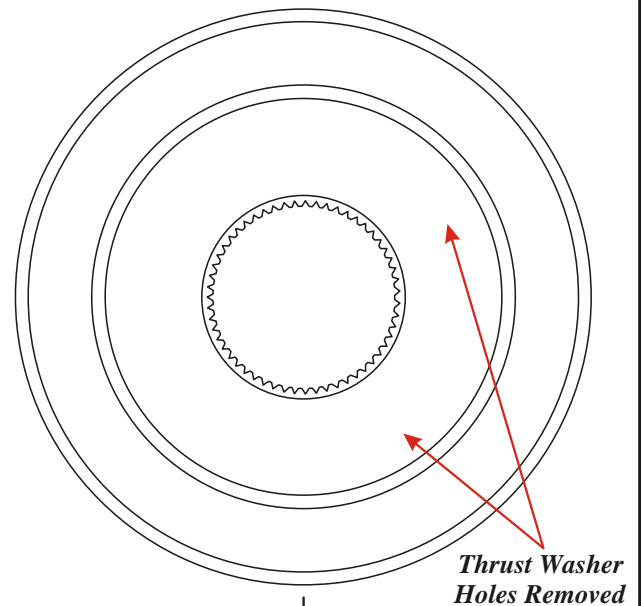
THM 4L60-E  
SUN SHELL AND WASHER



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Figure 1

THM 4L65-E  
SUN SHELL AND BEARING

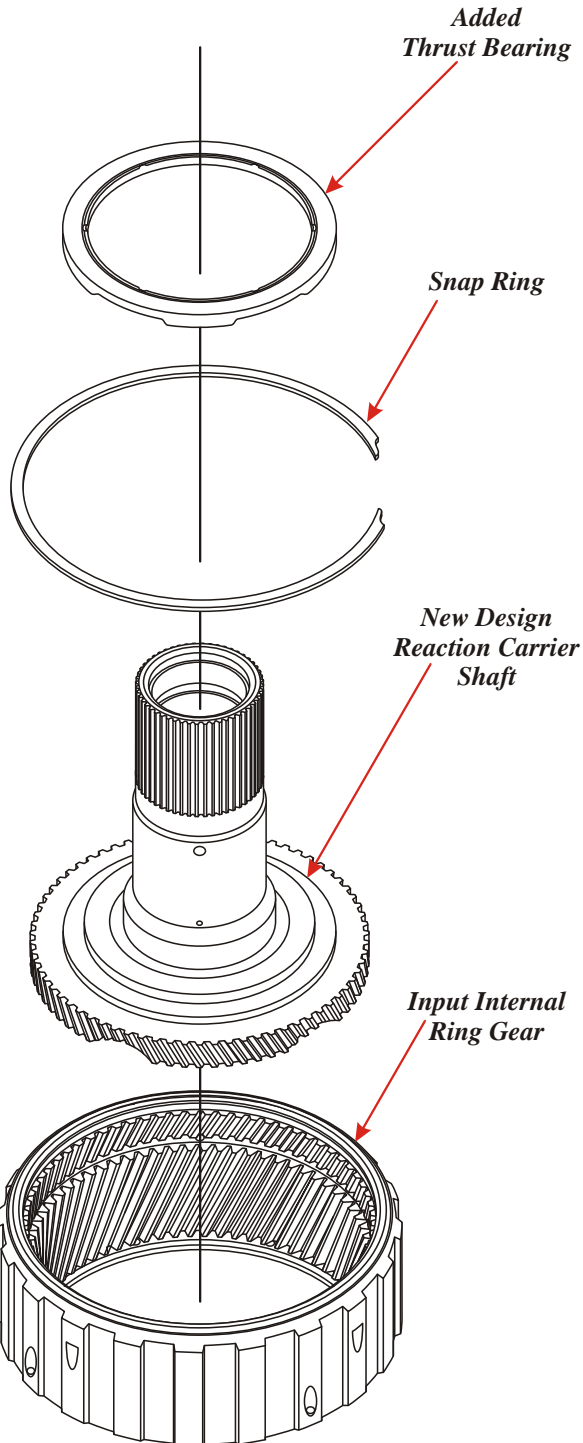


Added  
Thrust Bearing

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Figure 2

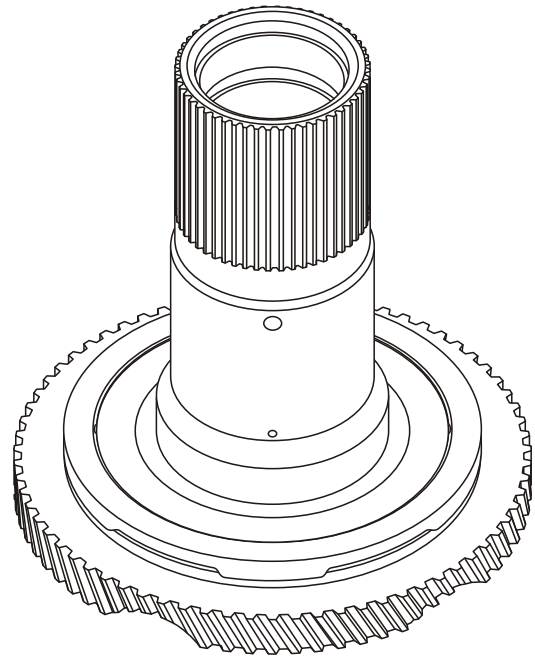
## THM 4L65-E REACTION SHAFT AND NEW THRUST BEARING



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Figure 3

## THM 4L65-E REACTION SHAFT WITH BEARING INSTALLED



***Thrust Bearing Is Installed With "Lips"  
Facing Down And Snaps Into Place  
As Shown***

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Figure 4