



# Technical Service Information

## THM 4L60-EHD NEW "HARDENED" SUN SHELL AND THRUST BEARING

**CHANGE:** Beginning at the start of production for model year 2001, General Motors introduced a new transmission designated THM 4L60-EHD 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.

***Special Note:***

***General Motors has now released a new Sun Gear Shell with hardened splines and the part numbers are shown below in "Service Information".***

**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.***

***Special Note:***

***General Motors has now released a new Sun Gear Shell with hardened splines and the part numbers are shown below in "Service Information".***

**SERVICE INFORMATION:**

|  |          |
|--|----------|
| Sun Gear Shell (Bearing Design "Hardened") ..... | 24229825 |
| Reaction Carrier Shaft (New Design) .....        | 24217157 |
| Sun Shell Thrust Bearing (New Design) .....      | 24217328 |
| Sun Gear Shell (Washer Design "Hardened") .....  | 24228345 |

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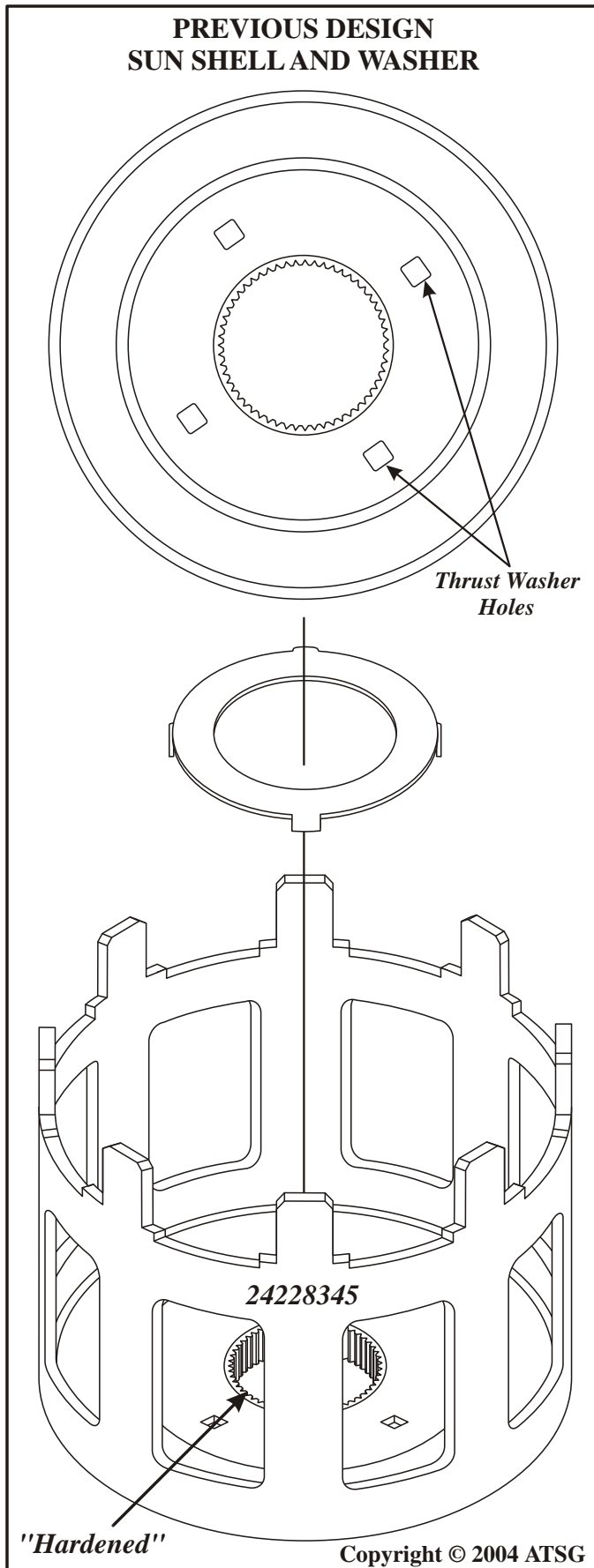


Figure 1

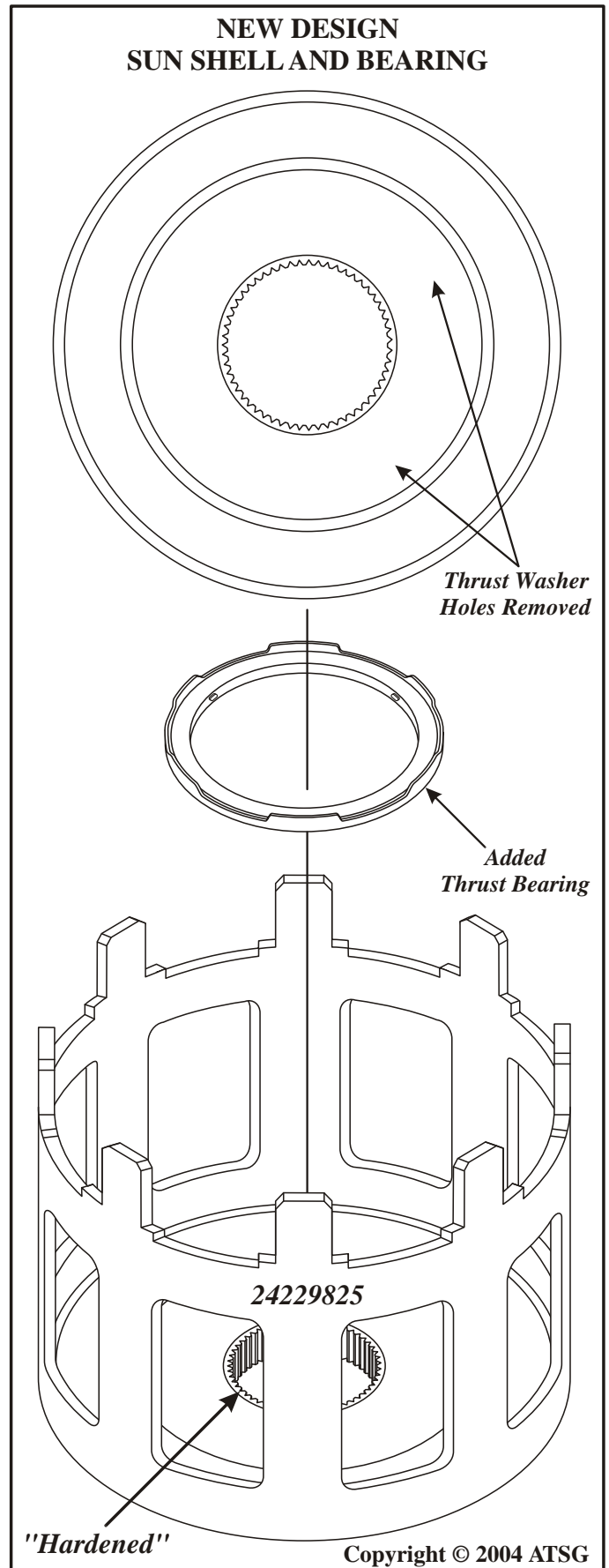
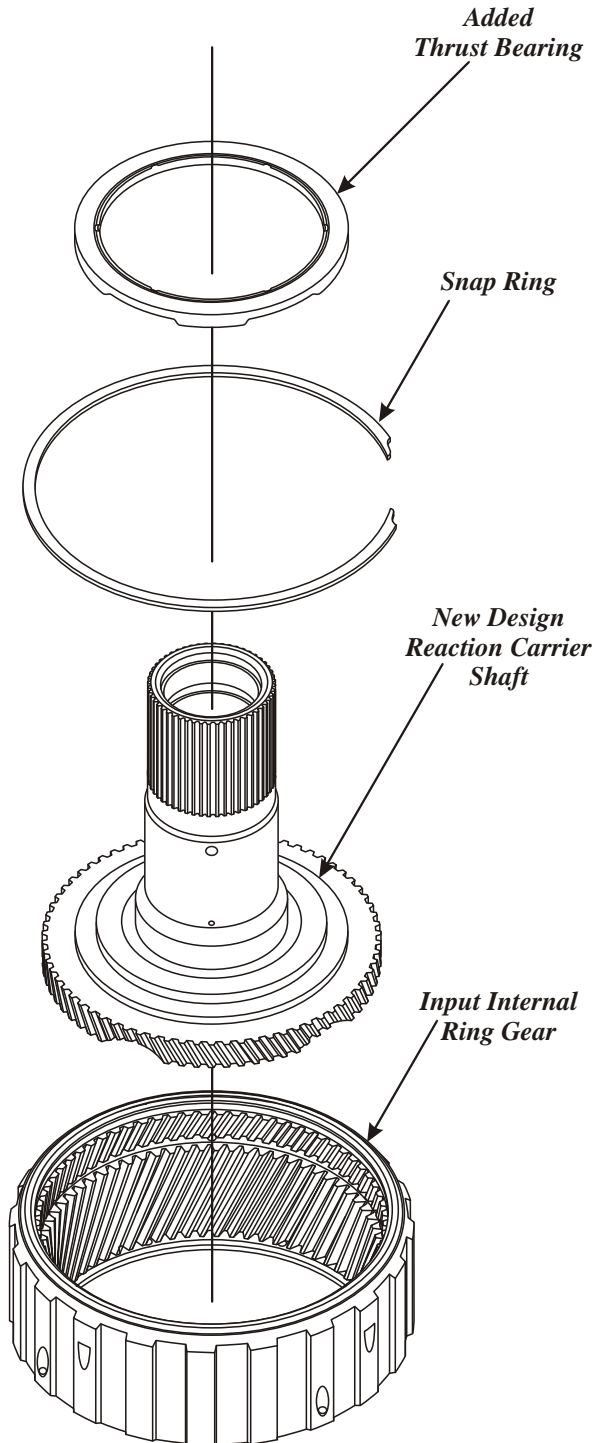


Figure 2

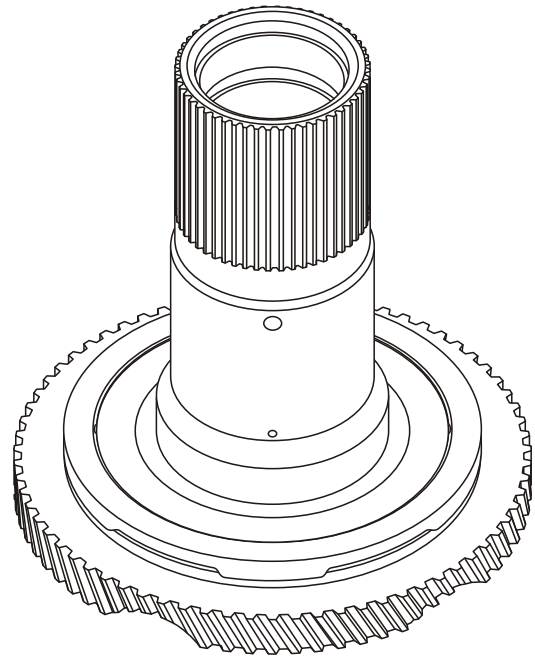
## THM 4L60-E REACTION SHAFT AND NEW THRUST BEARING



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Figure 3

## THM 4L60-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