



Technical Service Information

THM 440-T4 NEW DRIVE CHAIN AND SPROCKETS

- COMPLAINT:** A new "Rocker-Joint" design drive chain assembly has been released for all 1993 TBM 4T60 (440-T4) and selected 1993 THM 4T60-E transaxles on the dates listed below. Due to the unique "Rocker-Joint" configuration of the chain links, it was also necessary to change the tooth geometry on both the drive and driven sprockets. The new "Rocker-Joint" design was implemented into production as follows:
- CAUSE:** 37-33 Ratio -- December 21, 1992 (Julian Date 356).
33-37 Ratio -- December 21, 1992 (Julian Date 356).
35-3s Ratio -- May be implemented mid-year 1994.
- CORRECTION:** Refer to Figure 3 for model identification and Julian Date information.

Lower friction of new design permits reduced chain wear, and higher efficiency at continuous speeds.

(1) DRIVE CHAIN ASSEMBLY - New "Rocker-Joint" Drive Chain is easily identified by the link pins that are flat on one side. The existing drive chain link pins are round, as shown in Figure 1. Another identification is the color of the master link. The "Rocker-Joint" design are supposed to be copper in color, &, we have seen some of them with black links which is the identification for the existing chain.
USE THE LINK PINS FOR POSITIVE IDENTIFICATION.

(2) DRIVE SPROCKET ASSEMBLY - It was necessary to change the tooth geometry to accommodate the new "Rocker-Joint" chain and can be identified by the part number stamped on washer surface area in Magenta (Red) ink (See Figure 2)

NOTE: MAGENTA INK MAY WEAR OFF SO USE DIMENSIONS BELOW FOR POSITIVE I.D.

PREVIOUS O.D.	NEW O.D.
37 TOOTH 4.233"	4.181" APPROX .052" DIFFERENCE
33 TOOTH 3.756"	3.700" APPROX .056" DIFFERENCE



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(1) The new "Rocker-Joint" drive chain is not compatible with the existing sprockets, nor is the existing drive chain compatible with the new sprockets. Compatible parts must be used together. The "Rocker-Joint" drive chain will back service all previous units, when used with the new sprockets.

(2) If the new "Rocker-Joint" drive chain is installed on existing sprockets the assembly physically will not fit into the transaxle.

(3) If the existing drive chain is installed on the new sprockets, the entire assembly WILL go into the transaxle, but the chain will be noticeably loose.

Drive Sprocket 37 Tooth (New Design)	8682597
Driven Sprocket 33 Tooth (New Design)	8682600
Rocker-Joint Drive Chain (New Design)	8682603
Drive Sprocket 33 Tooth (New Design)	8682599
Driven Sprocket 37 Tooth (New Design)	8682602

MODEL USAGE

37-33 Ratio fits 440-T4 models 3WPH

37-33 Ratio fits 4T60-E models 3AVW, 3AW, 3A2W, 3AMW,
3APW, 3ABW, 3BTW, 3CXW,
3CZW, SPHW,

33-37 Ratio fits 4T60-E models 3CW,

Refer to Figure 3 for model identification and Julian Date.

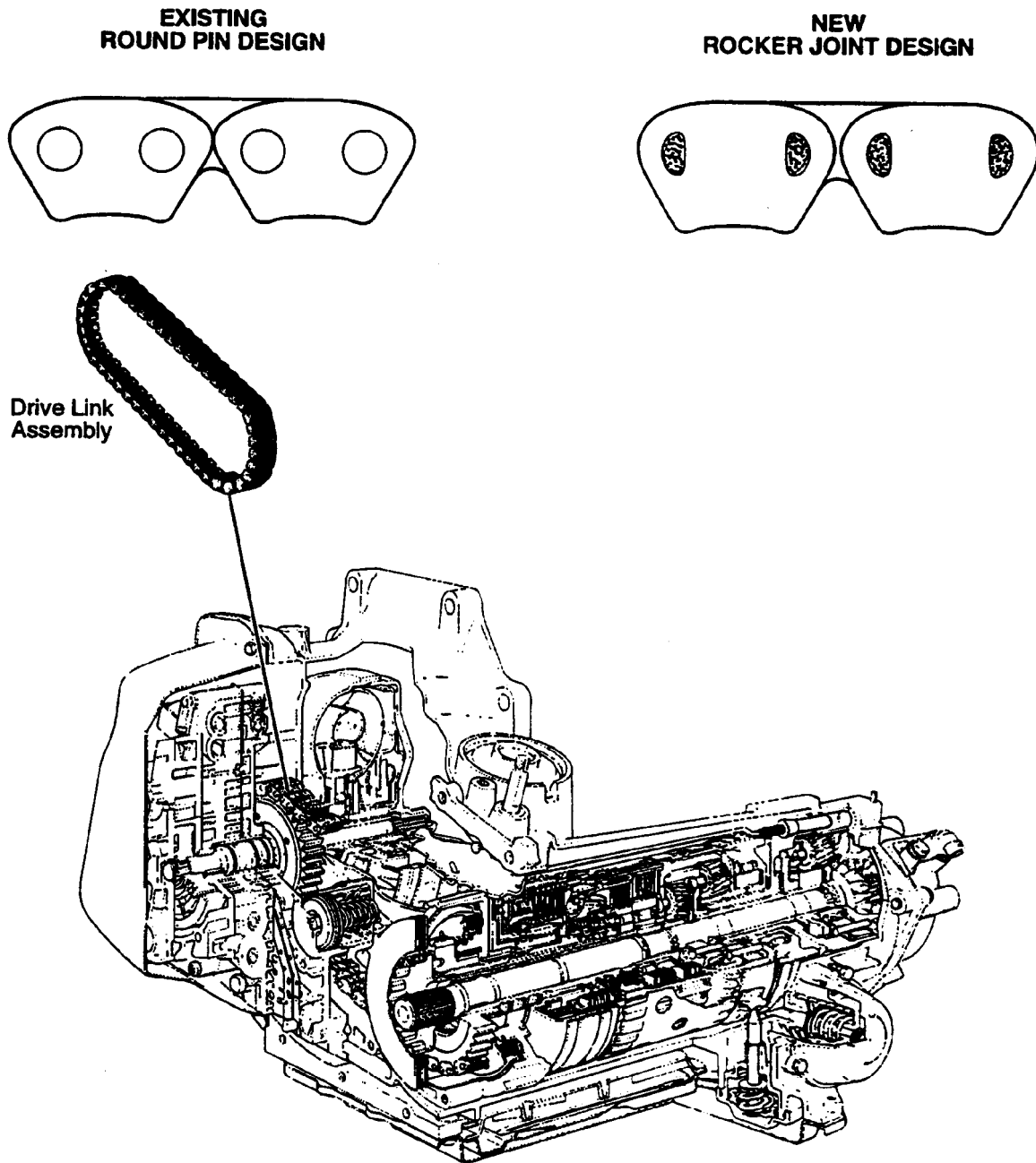


Figure 1

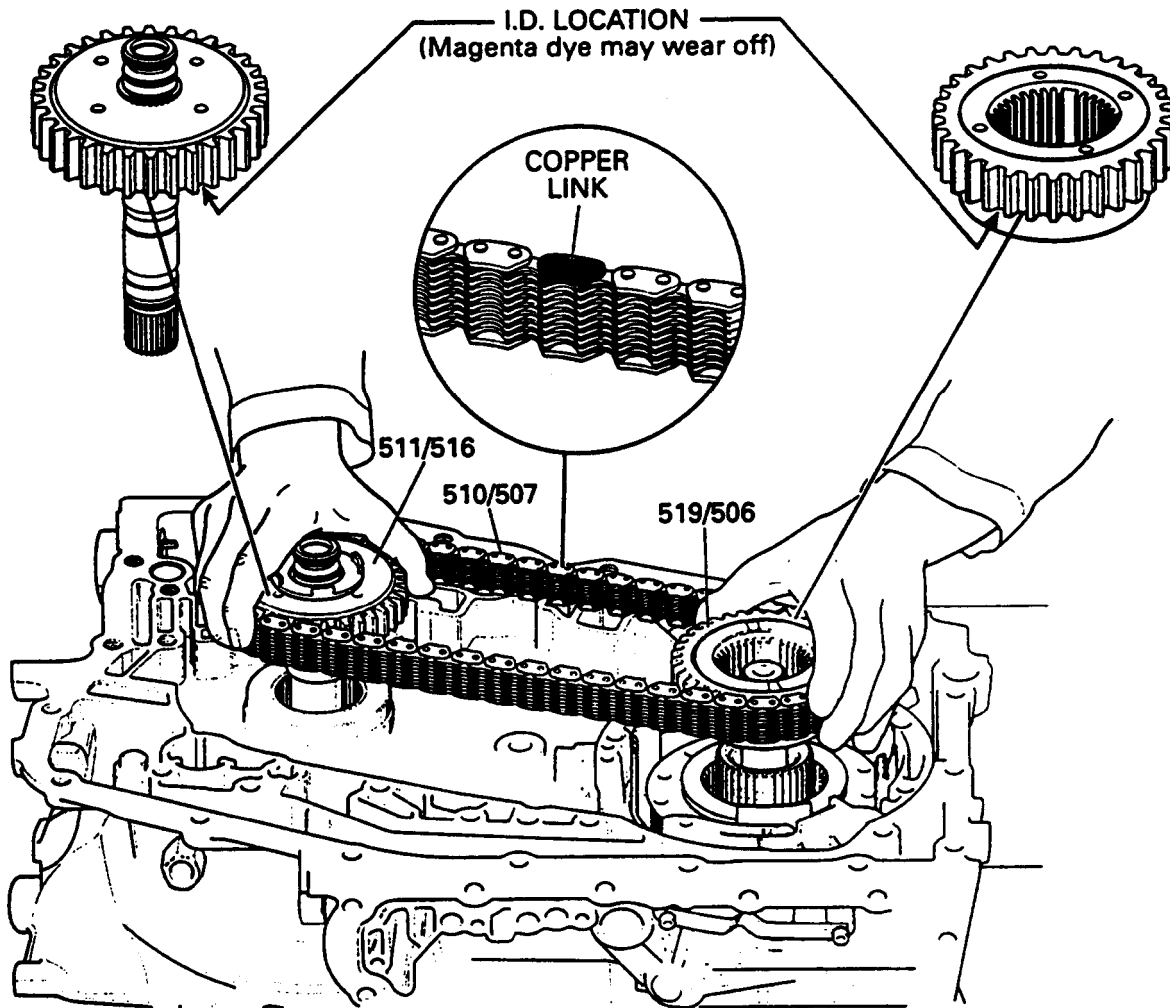


Figure 2

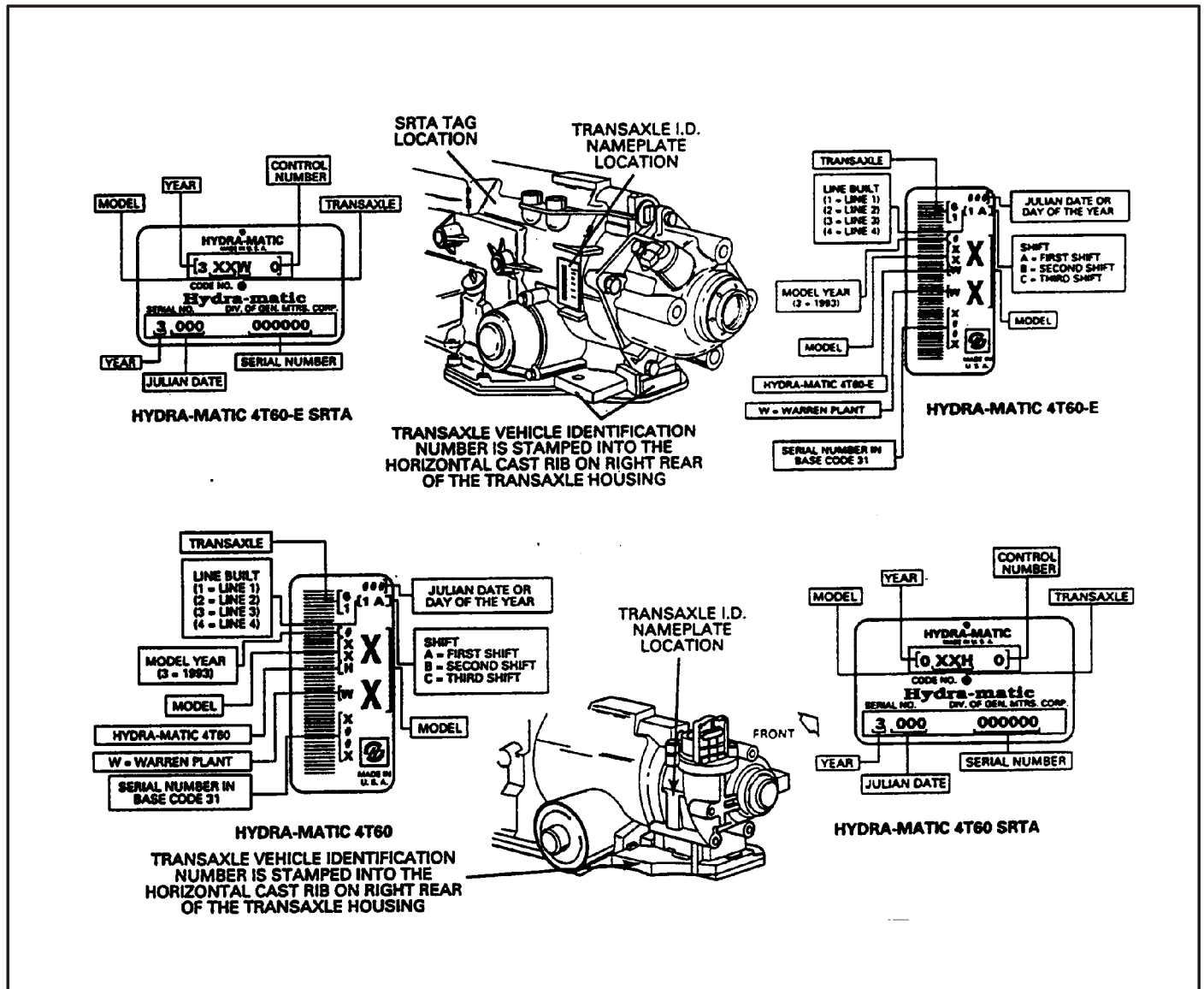


Figure 3