



# Technical Service Information

## THM 4T60-E

### **“TWO” NEW DESIGN DRIVE CHAINS FOR 1995, AND DIFFERENT MEASUREMENT PROCEDURE**

**CHANGE:** There have been “Two” new design rocker joint drive chains introduced as a running change for 1995 model 4T60-E transaxles, to replace the previous design rocker joint drive chain. The first models to receive the “Elastically Tuned” rocker joint drive chain were SATW, 5YDW and SYNW, and these were implemented on October 3, 1994 (Julian Date 276). The remaining models will phase into production by the end of the model year, except Buick Riveria and the Oldsmobile Aurora (SBFW, SCAW). These two models (SBFW, SCAW) use a “Special” rocker joint drive chain, as shown in Figure 1.

**REASON:** “Elastically Tuned” rocker joint drive chain has strength improvements to improve high mileage durability. “Special” rocker joint drive chain is specifically designed to reduce noise in the 1995 Buick Riveria, and Oldsmobile Aurora.

#### **PARTS AFFECTED:**

(1) **“ELASTICALLY TUNED” DRIVE CHAIN** - Can be identified by the “Mouse Ears” shape of the outer guide links, as shown in Figure 1, and has one copper colored master link.

(2) **“SPECIAL” DRIVE CHAIN** - Can be identified by the two copper colored master links, where the previous design rocker joint chain has only one copper colored master link, as shown in Figure 1. The internal links also have a slightly different profile.

**SPECIAL NOTE:** Only use the drive chain measurement procedure listed in the ATSG Service Manual when checking the “Round Pin Drive Chain” for wear. A “Good” Rocker Joint Drive Chain may not check as acceptable, using the procedure in the service manual. Use the following procedure to check all Rocker Joint Drive Chains for wear:

1. Pull the drive chain toward the case at the location of arrows, as shown in Figure 2.
2. Measure the gap between the drive chain and case with a straight edge ruler.
3. If the measurement is 1/8” or greater, the drive chain can be reused. If the measurement is less than 1/8”, replace the drive chain (See Figure 2).

#### **INTERCHANGEABILITY:**

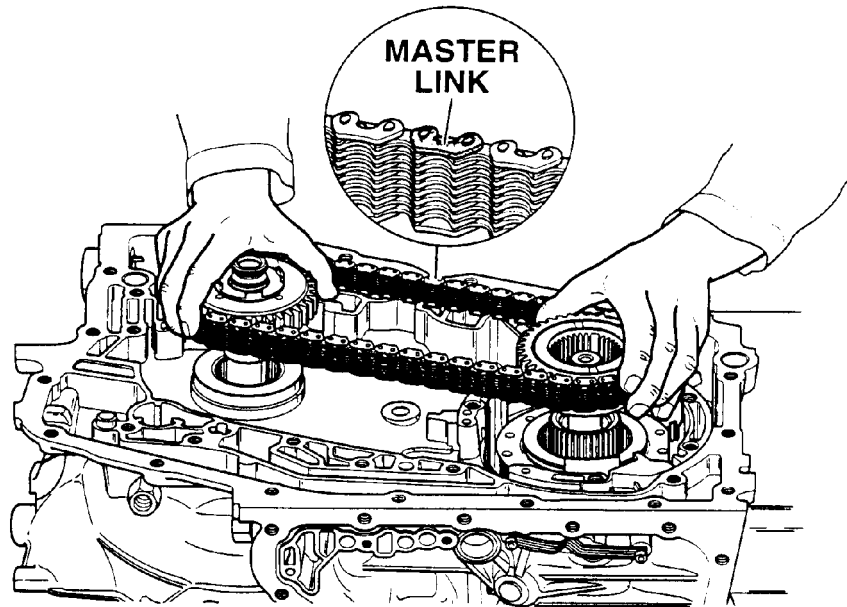
The ‘Elastically Tuned’ rocker joint drive chain will back service any 1993-1995 4T60-E transaxle that was originally equipped with the previous design rocker joint drive chain, except Riveria and Aurora. The ‘Special’ rocker joint drive chain should be used on Riveria and the Aurora models for noise reduction, as the chain is chordal compensating. On the 1991-1993 4T60-E transaxles equipped with the “Round Pin” design drive chain (See ATSG Bulletin 93-38), the drive and driven sprockets must be updated to the rocker joint design to use the “Elastically Tuned” drive chain. Part numbers for the rocker joint design sprockets are included in “Service Information” on next page.



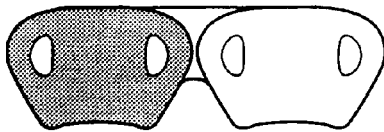
# Technical Service Information

## SERVICE INFORMATION

Rocker Joint Drive Chain (Previous Design - One Copper Link) .....	8682603
Rocker Joint Drive Chain ("Elastically Tuned" - "Mouse Ears") .....	24202447
Rocker Joint Drive Chain ("Special" - Two Copper Links) .....	24200771
Drive Sprocket, 33 Tooth (Rocker Joint Design) .....	8682597
Drive Sprocket, 35 Tooth (Rocker Joint Design) .....	8682598
Drive Sprocket, 37 Tooth (Rocker Joint Design) .....	8682599
Driven Sprocket, 33 Tooth (Rocker Joint Design) .....	8682600
Driven Sprocket, 35 Tooth (Rocker Joint Design) .....	8682601
Driven Sprocket, 37 Tooth (Rocker Joint Design) .....	8682601

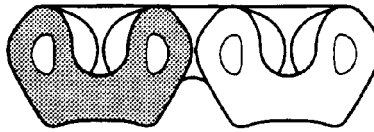


**PREVIOUS DESIGN  
ROCKER JOINT  
DRIVE CHAIN**



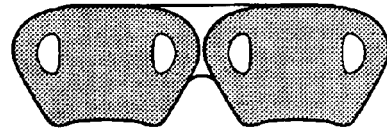
**ONE COPPER COLORED  
MASTER LINK**

**NEW DESIGN  
"ELASTICALLY TUNED"  
ROCKER JOINT  
DRIVE CHAIN**



**ONE COPPER COLORED  
"MOUSE EARS"  
MASTER LINK**

**95 RIVERIA & AURORA  
"SPECIAL"  
ROCKER JOINT  
DRIVE CHAIN**

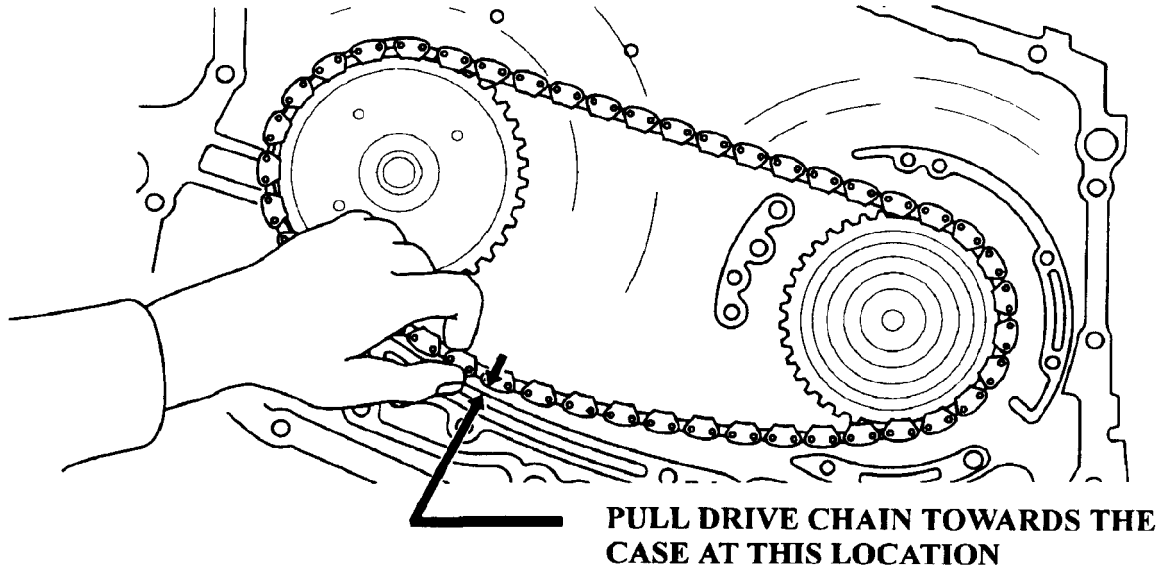


**TWO COPPER COLORED  
MASTER LINKS**

***ALL THREE OF THESE DRIVE CHAIN DESIGNS USE THE ROCKER JOINT DESIGN DRIVE AND DRIVEN SPROCKETS. ON UNITS ORIGINALLY EQUIPPED WITH THE ROUND PIN DRIVE CHAIN (SEE ATSG BULLETIN 93-38), THE DRIVE AND DRIVEN SPROCKETS MUST BE UPDATED TO THE ROCKER JOINT DESIGN.***

**Figure 1**

**DRIVE CHAIN MEASUREMENT FOR ALL  
"ROCKER JOINT" DESIGN CHAINS ONLY.**



**IF MEASUREMENT IS LESS THAN 1/8", REPLACE THE DRIVE CHAIN**

***NOTE: FOR THE ROUND PIN DRIVE CHAIN MEASUREMENT REFER  
TO THE 4T60-E SERVICE MANUAL, AS THE PROCEDURE IS  
DIFFERENT THAN "ROCKER JOINT" DRIVE CHAINS.***

Figure 2