



Technical Service Information

THM 440-T4

NEW DESIGN DOUBLE SPRAG ASSEMBLY

CHANGE: Beginning on February 1, 1993 (Julian Date 032) all THM 4T60-E transaxles were built with a new 'Double Sprag' assembly, in place of the previous 3rd roller clutch and input sprag assembly. Refer to Figure 4 for Julian Date location on the identification tag.

REASON: Greatly increased durability of center gearbox concerns.

PARTS AFFECTED:

(1) INPUT/3RD SPRAG ASSEMBLY - Completely changed in design and dimensions on all components of the assembly (See Figure 1).

(2) INPUT SUN GEAR - Now has two 'Blind Splines' 180° from one another, to accommodate the new sprag inner race and insure that lube holes are aligned (See Figure 2).

(3) INPUT SUN GEAR SPACER - Revised thickness to accommodate the dimensional changes on the double sprag assembly, and no longer has any lube holes. (See Figure 2).

	<u>PREVIOUS</u>	<u>NEW DESIGN</u>
THICKNESS	.353"	.339"
DIAMETER	1.825"	1.835"

(4) INPUT CARRIER - Lip on top of input carrier completely removed, and the bushing completely removed, to accommodate double sprag assembly. There have also been some internal changes to improve lube and durability. (See Figure 3).

INTERCHANGEABILITY:

(1) NONE of the new components listed above, which are used in the improved "Double Sprag" assembly, are interchangeable with the previous 3rd roller clutch and input sprag components.

(2) The new "Double Sprag" Assembly CAN be used to back service ALL 4T60-E transaxles as long as of the components listed above are used.

(3) The new "Double Sprag" Assembly CAN be used to back service the 4T60 (440-T4) transaxles from 1989 to-93, as long as all of the components listed above are used.

(4) Units built prior to 1989 MUST be upgraded with the input housing that uses the Torrington Bearing instead of the "Top Hat" thrust washer, before it will be compatible with the "Double Sprag" components.

SERVICE INFORMATION:

Input Sun Gear (New Design)	8682441
Input Sun Gear Spacer (New Design)	8682442
New "Dual Sprag" Assembly Complete	8682443
Input Carrier Assembly (New Design)	8682461
Dual Sprag Conversion Package	8651935

(Conversion Package includes all 4 parts listed above)

AUTOMATIC TRANSMISSION SERVICE GROUP

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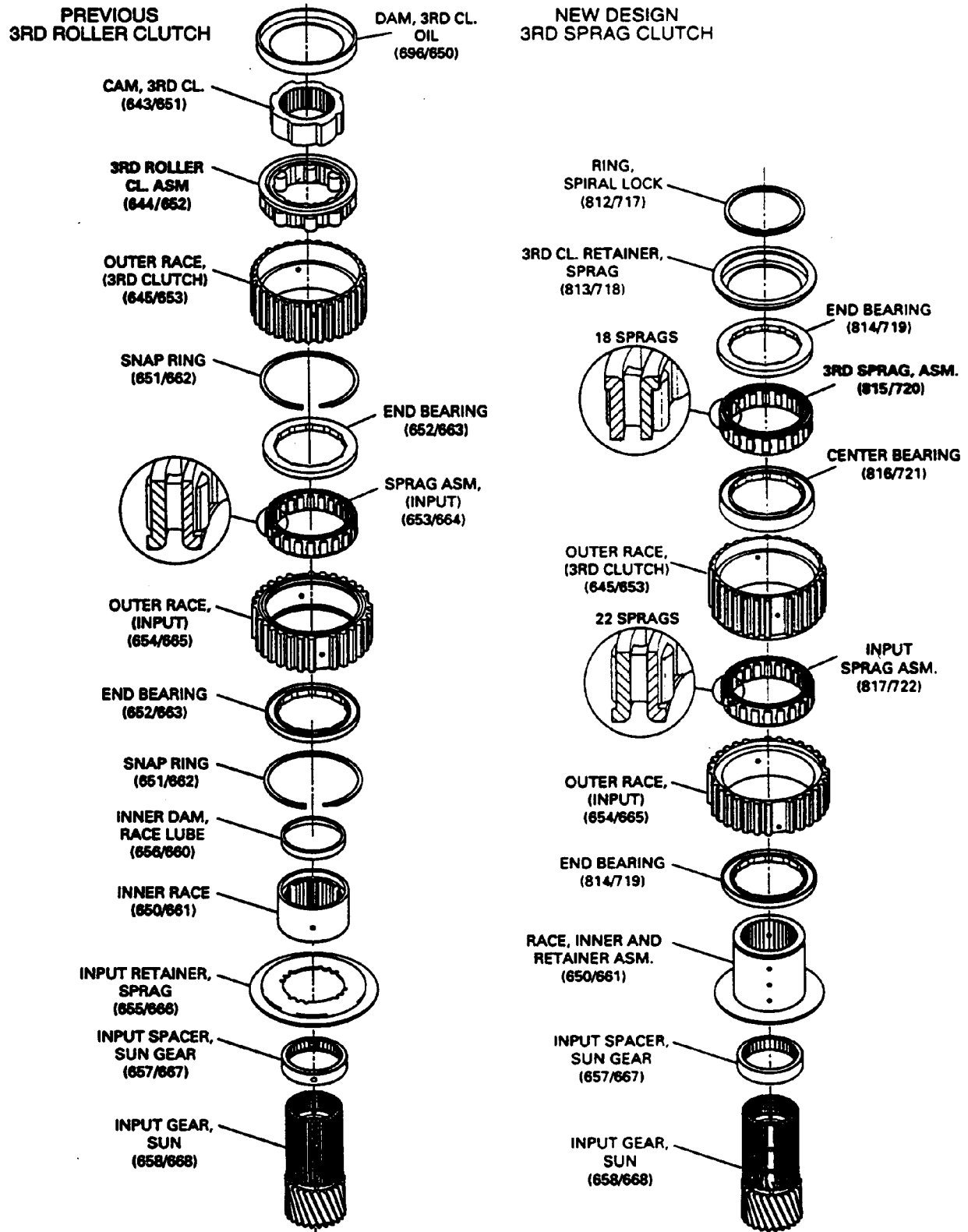


Figure 1

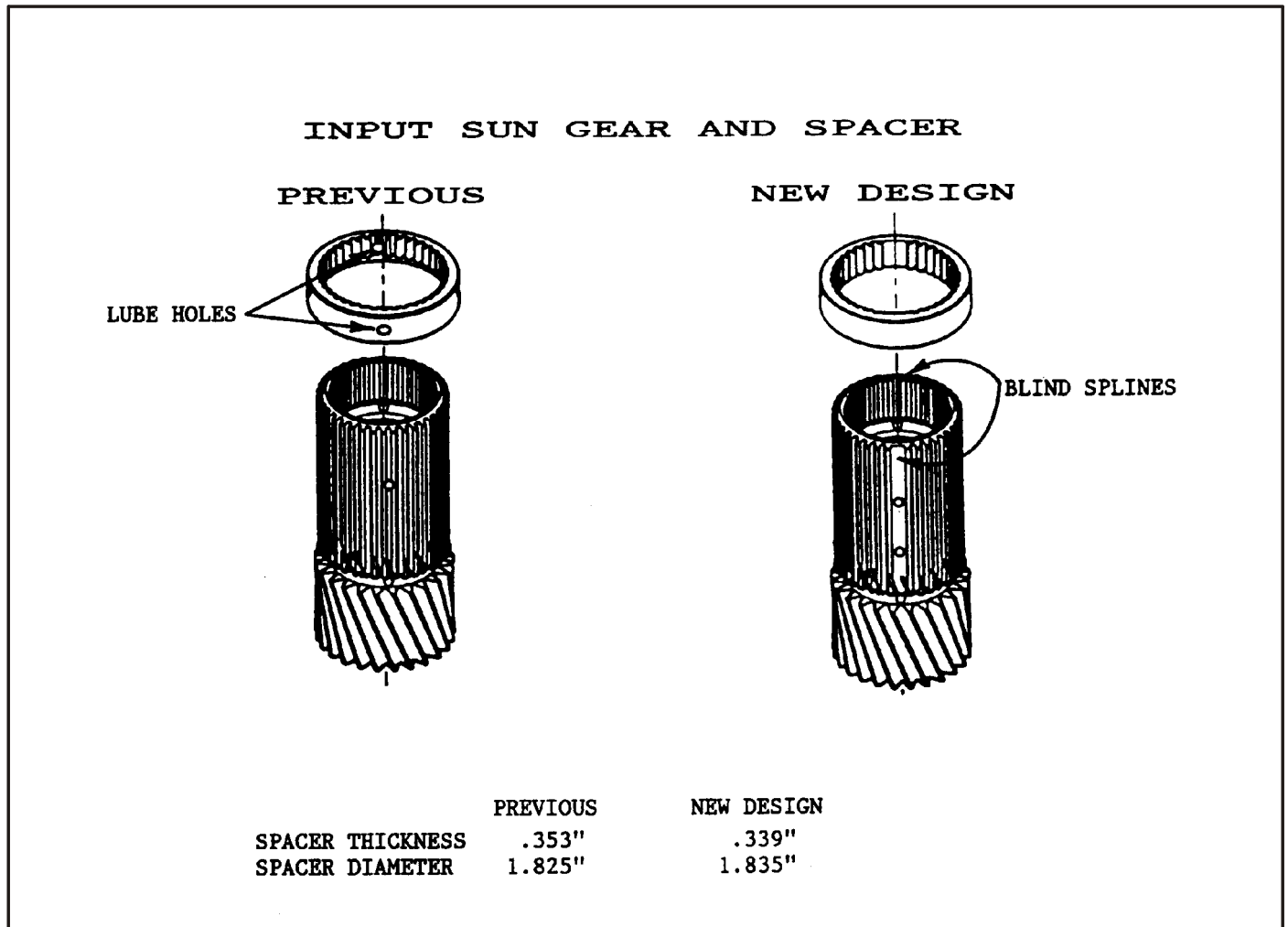


Figure 2

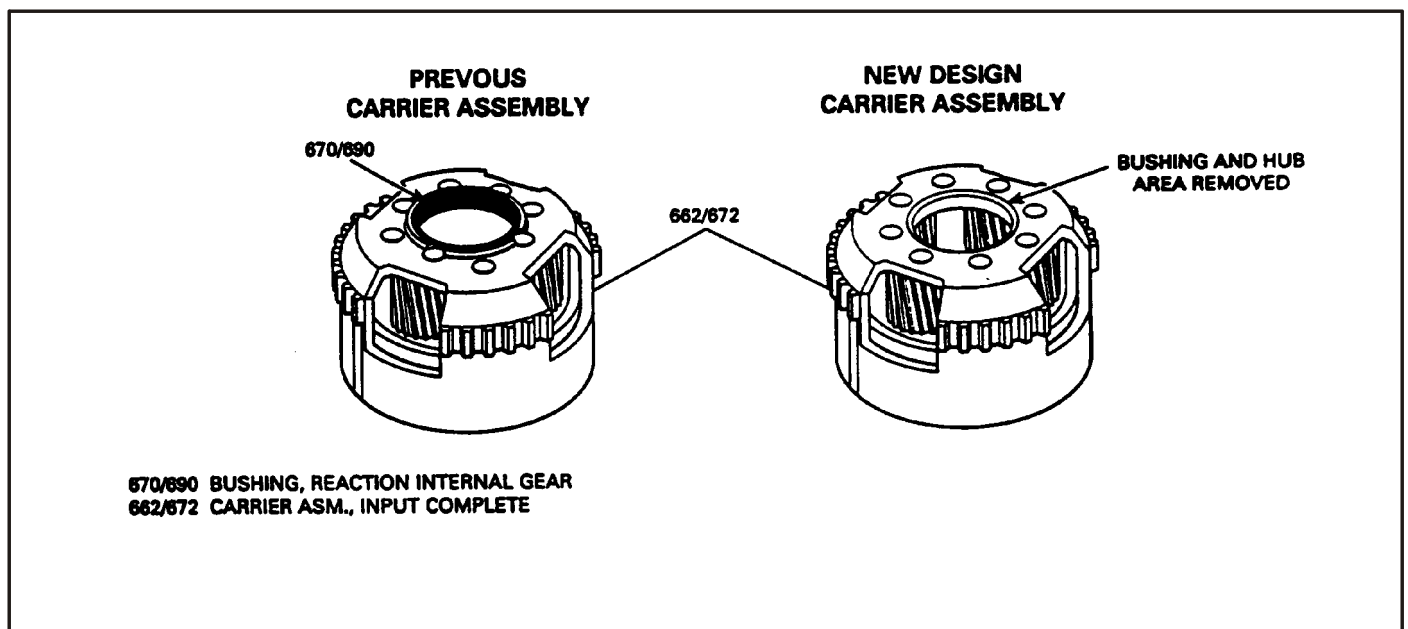


Figure 3

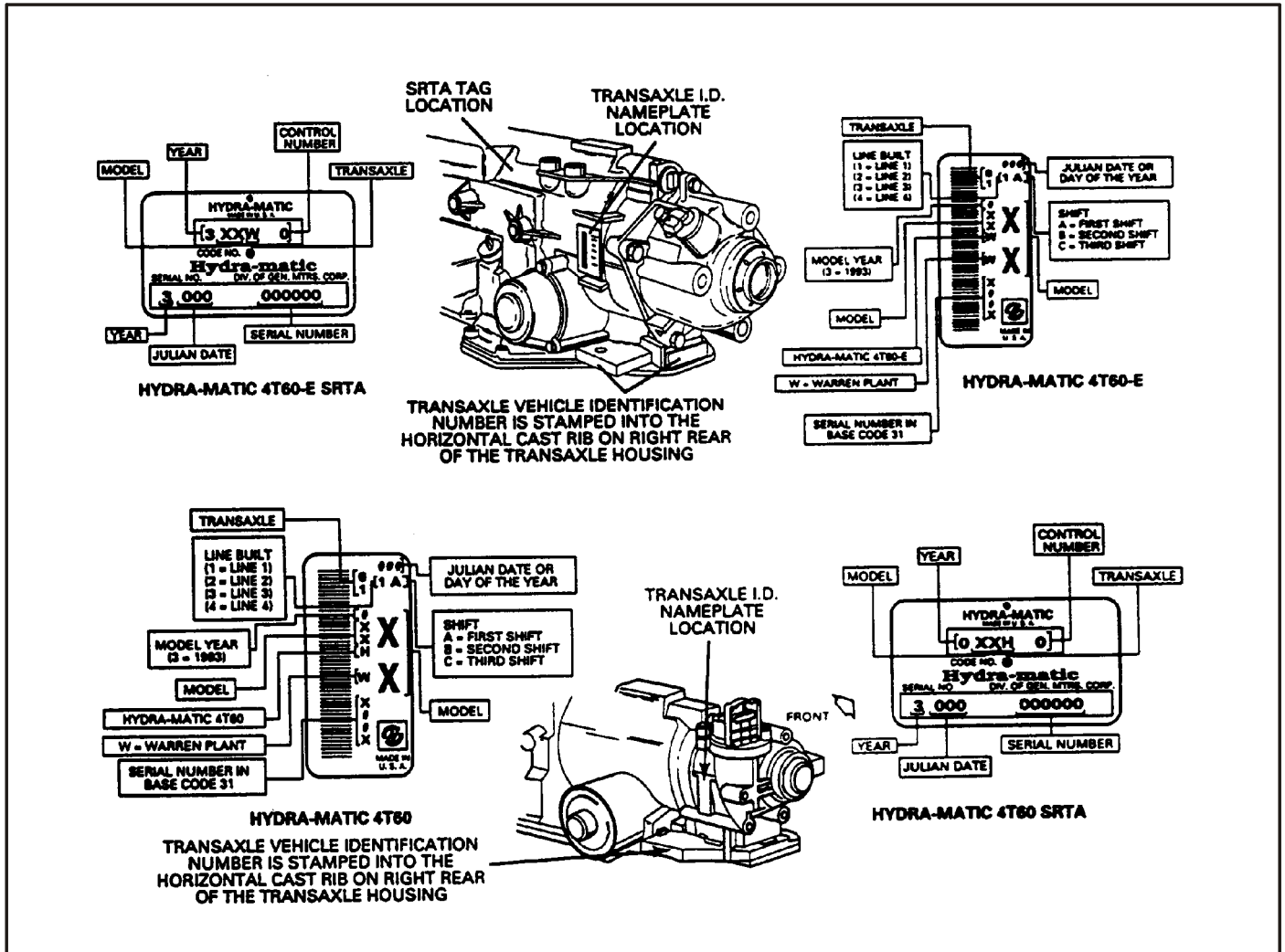


Figure 4