



# Technical Service Information

## RE4R01A

### NEW DESIGN LOW SPRAG INNER RACE AND NEEDLE BEARING ASSEMBLY

**CHANGE:** Sometime ago, the Low Sprag Inner Race (Rear Support) was reduced in overall height by approximately .035" on all RE4R01A transmissions, to accommodate a new design three piece needle bearing (See Figure 1).

**REASON:** Greatly improved thrust bearing durability, and revised lube flow.

**PARTS AFFECTED:**

(1) LOW SPRAG INNER RACE (REAR SUPPORT) - Reduced hi overall height by .035", to accommodate the new design (Thicker) three piece needle bearing (See Figure 1). The new design inner race also has revised lubrication holes. There are currently two lube holes in the new design race, one feeding lube to the sprag, and one feeding lube to the forward clutch drum bushing (See Figure 1). The new design Low Sprag Inner Race (Rear Support) can be identified by the lube hole differences mentioned above (See Figure 1), and/or by measuring the overall height, as shown in Figure 2.

(2) NEEDLE BEARING - The previous two piece needle bearing located between the overrun clutch hub and the low sprag race, was replaced with the three piece design (See Figure 1).

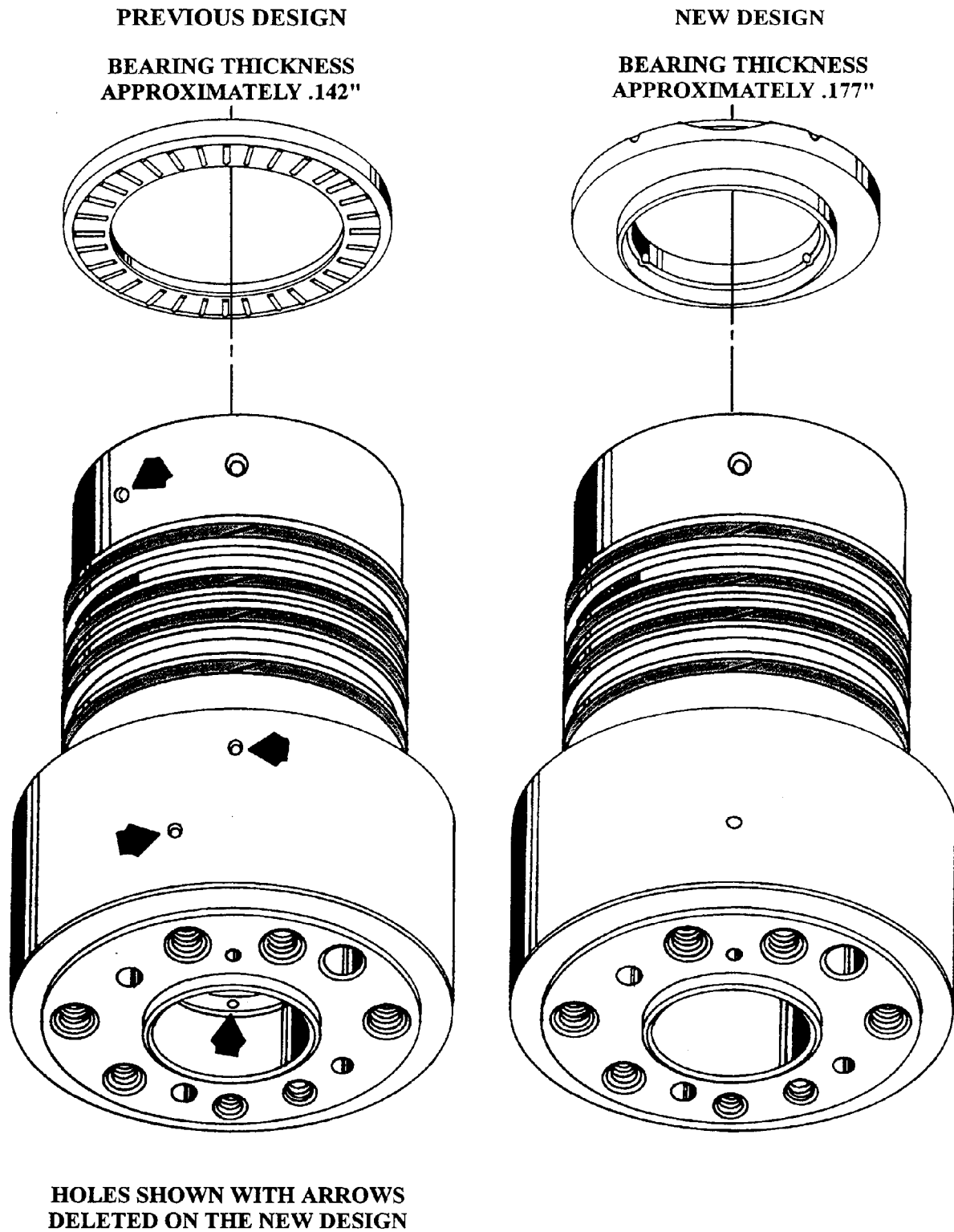
**INTERCHANGEABILITY:**

The new design Low Sprag Inner Race and the three piece needle bearing will retro-fit back on ALL models, **AS LONG AS THEY ARE USED TOGETHER AS A SET**

The previous design and new design parts **CANNOT** be mis-matched, or it **WILL** result in premature bearing failure, and/or end play concerns.

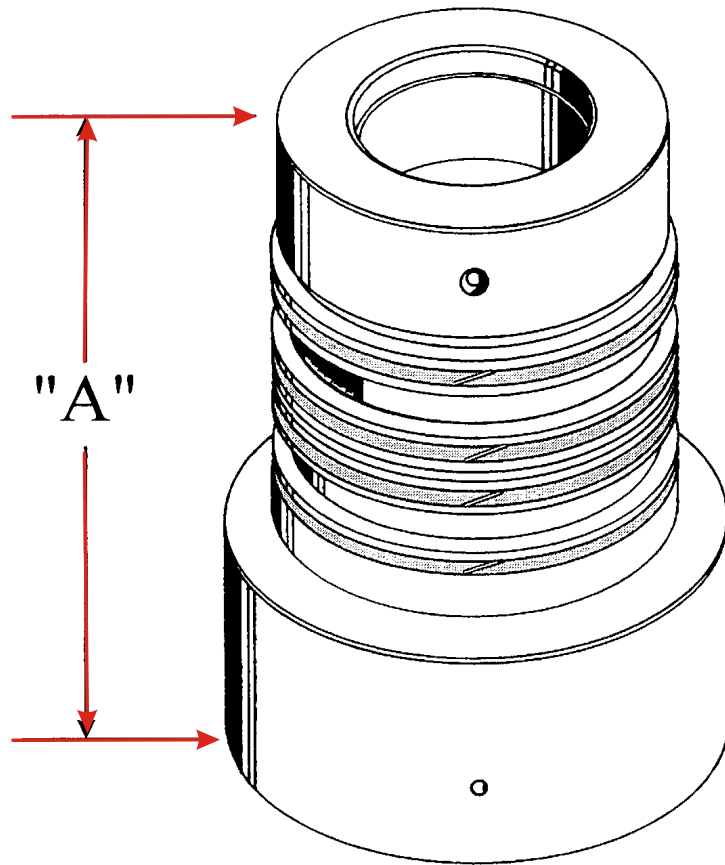
**SERVICE INFORMATION:**

Low Sprag Inner Race (New Design).....	31472-41X01
Three Piece Bearing (New Design).....	31407-41X11



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Figure 1



**DIMENSION "A" EARLY MODELS = 2.290"**  
**DIMENSION "A" LATE MODELS = 2.255"**

Figure 2