



# Technical Service Information

## THM 4L60-E

### 13 VANE PUMP, ROTOR AND SLIDE FOR 1997

**CHANGE:** Beginning at the start of production for all 1997 models, there was a new design 13 vane pump rotor and new design pump slide installed in all THM 4L60-E transmissions (See Figure 1).

**REASON:** To help eliminate "Pump Whine" and pressure regulator valve buzzing noises.

**PARTS AFFECTED:**

- (1) OIL PUMP ROTOR - Now has 13 vanes in the pump rotor instead of the previous 10 vanes, as shown in Figure 1.
- (2) OIL PUMP SLIDE - Now has longer porting slots on the face of the slide (See Figure 1).
- (3) ROTOR GUIDE - Now has 13 slots in the rotor guide to accommodate the added vanes.
- (4) OIL PUMP COVER - Now has different configuration on the porting slots in the pump cover. The 13 vane pump cover can to accommodate the changes in the pump slide (See Figure 2). be easily identified with "13 V" cast into the back side in the location shown in Figure 3.
- (5) VANE RINGS - Material change to increase vane ring durability.

**INTERCHANGEABILITY:**

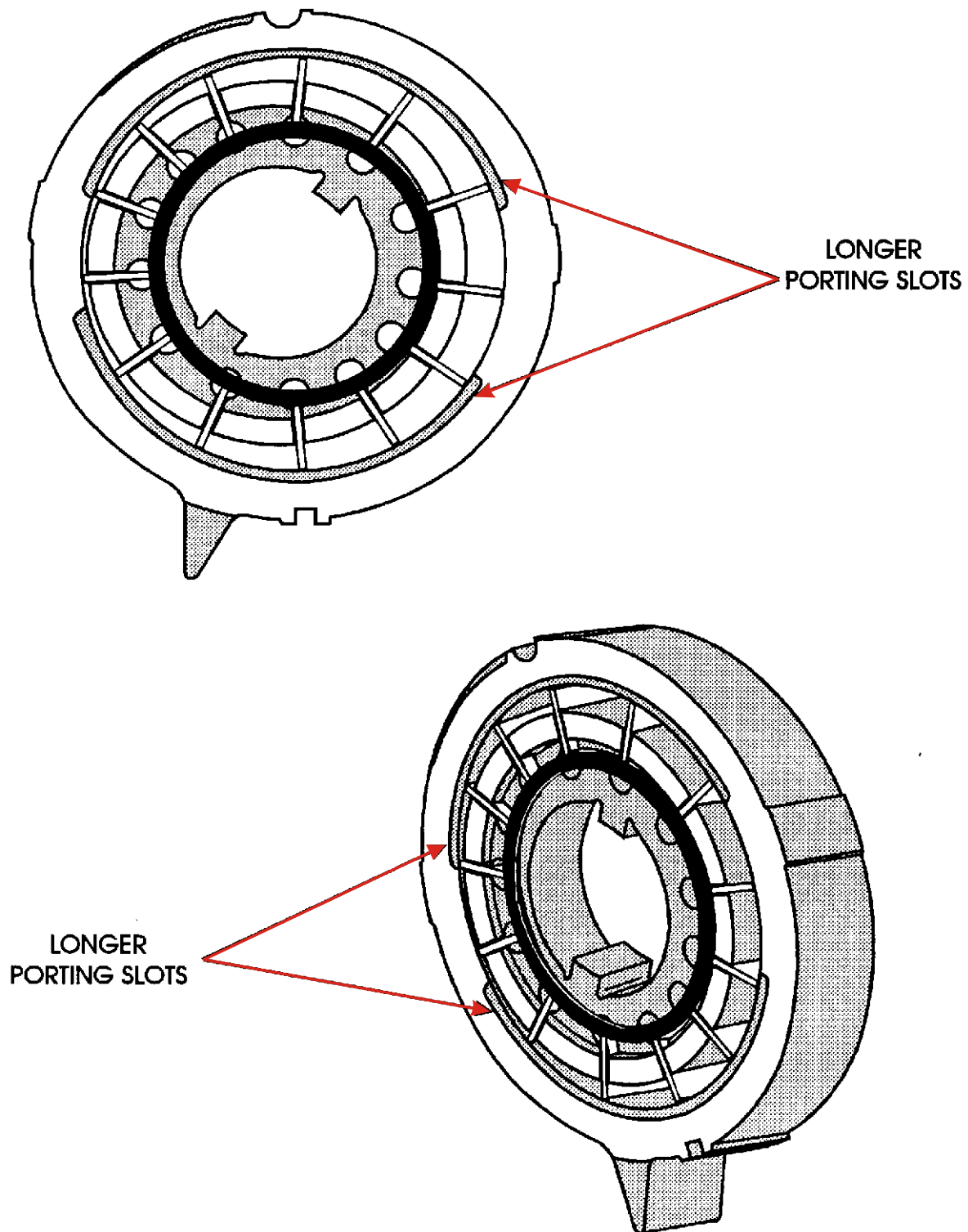
None of the parts listed above will retro-fit back on previous models, unless all are used as a package, and even then will only fit back to 1995. This is not recommended.

**SERVICE INFORMATION:**

13 Vane Rotor (17.955mm) .....	24205400
13 Vane Rotor (17.968mm) .....	24205401
13 Vane Rotor (17.981mm) .....	24205402
13 Vane Rotor (17.994mm) .....	24205403
13 Vane Rotor (18.007mm) .....	24205404
97 Pump Slide (17.955mm) .....	24205405
97 Pump Slide (17.968mm) .....	24205406
97 Pump Slide (17.981mm) .....	24205407
97 Pump Slide (17.994mm) .....	24205408
97 Pump Slide (18.007mm) .....	24205409
Plastic Rotor Guide (13 Vane) .....	24205410
Oil Pump Vanes (13 Required) .....	863 1280
Pump Vane Rings (13 Vane) .....	24201144

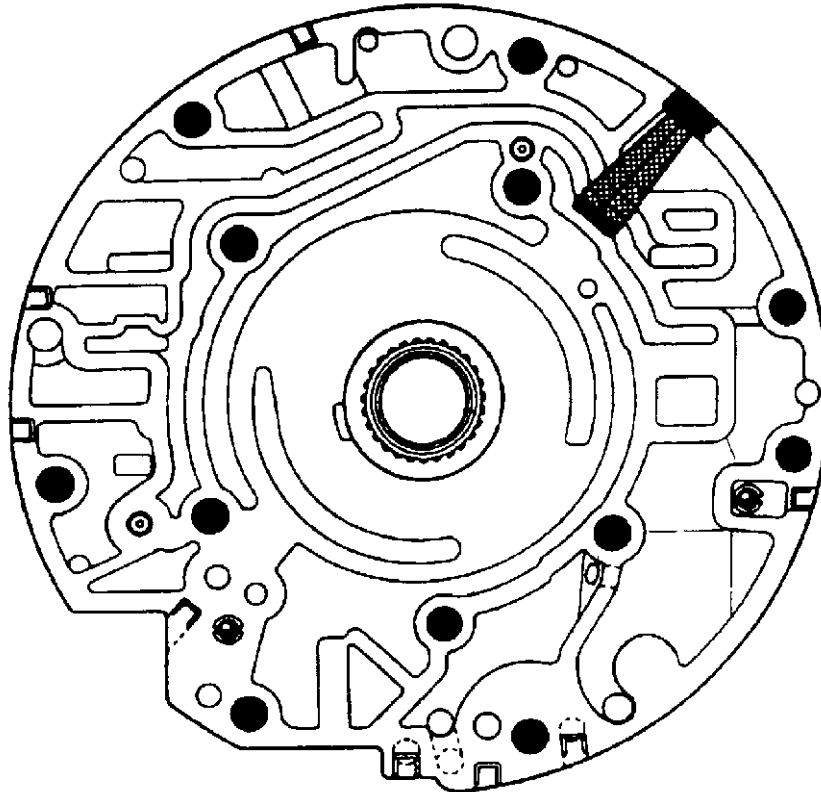
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**13 VANE PUMP ROTOR AND SLIDE  
FOR 1997 MODELS**



**Figure 1**

95-96 "PWM" PUMP COVER



1997 "13 V" PUMP COVER

"PORTING SLOTS"  
ARE DIFFERENT THAN  
PREVIOUS MODELS

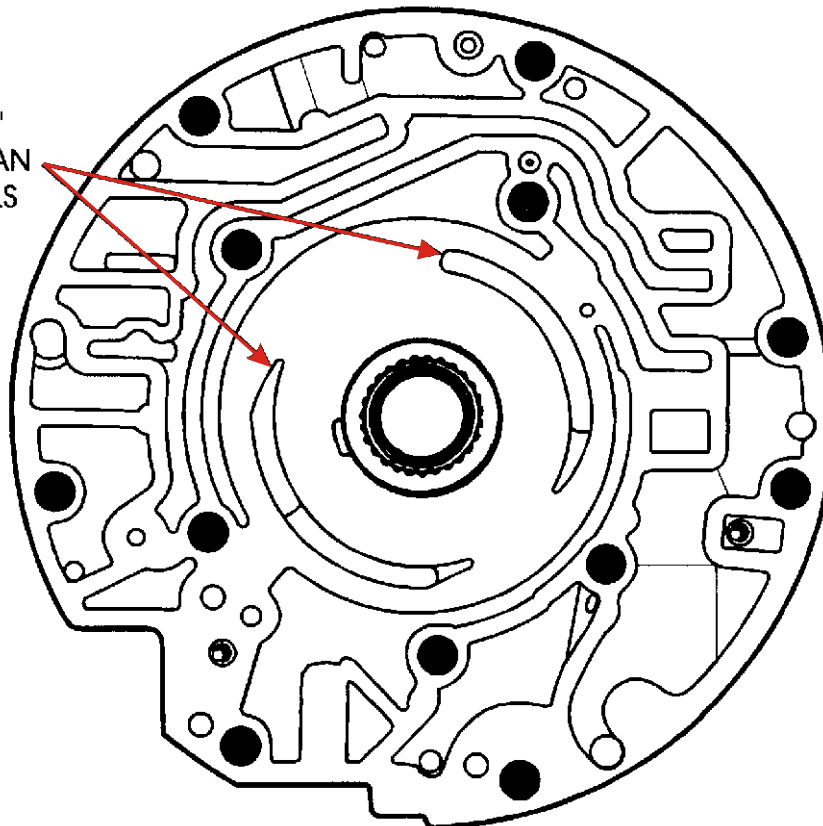
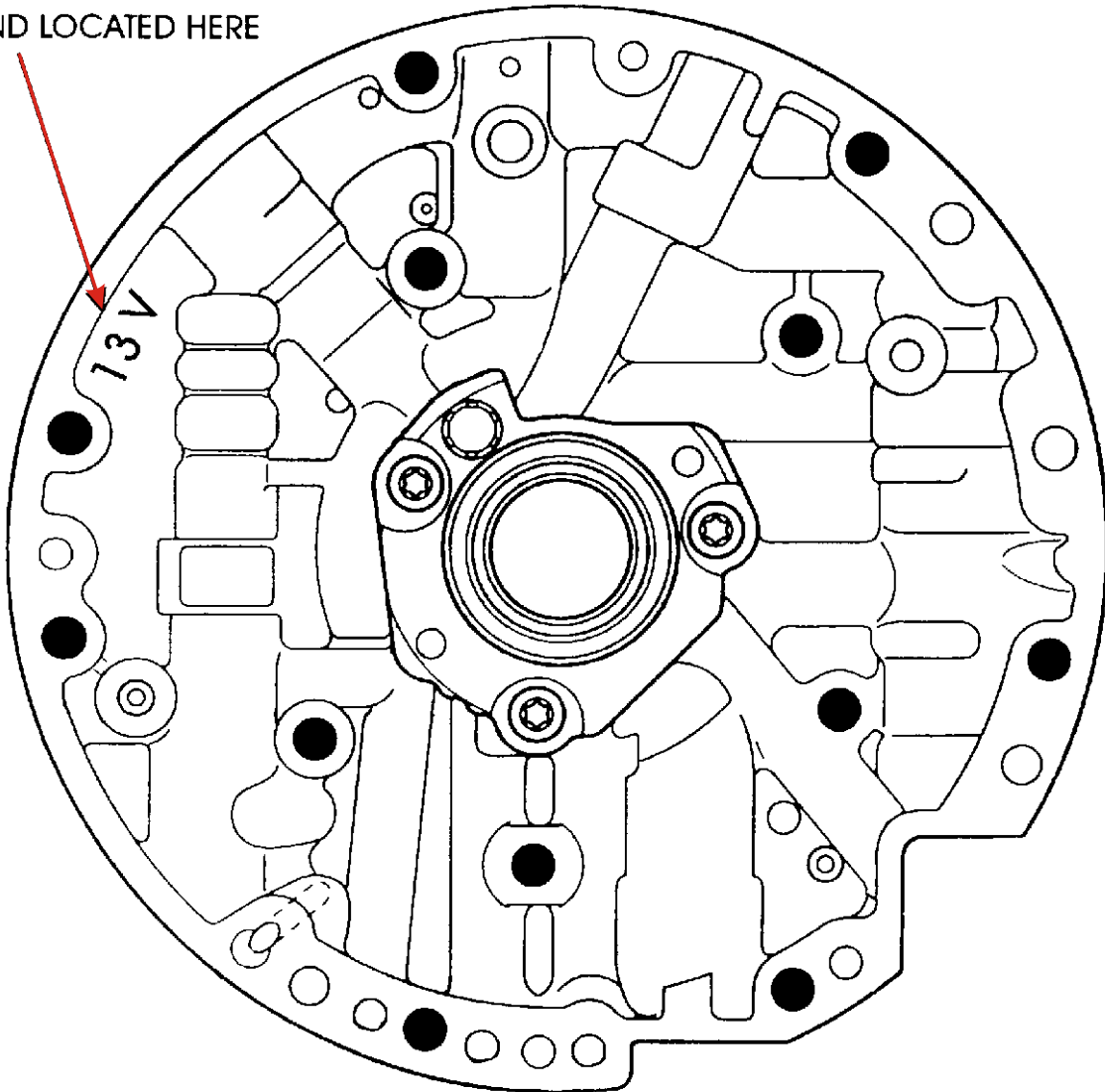


Figure 2

**1997 13-VANE PUMP COVER  
IDENTIFICATION**

"13 V" CAST INTO THE PUMP  
COVER AND LOCATED HERE



***THIS PUMP COVER WILL NOT INTERCHANGE WITH PREVIOUS MODELS.  
IT MUST BE USED WITH THE 13 VANE ROTOR AND SLIDE.***

Figure 3