



Technical Service Information

THM 4L60-E PUMP INTERCHANGE

1993 -1994 MODELS:

Pump Body - All models use the 10 Vane rotor and slide assembly, and this Pump Body has the same casting and worm track configuration as the 1985-1993 models of the 700-R4 transmission. Refer to Figure 3.

Pump Cover - All models of the 4L60-E have a larger diameter filter seal bore, as shown in Figure 1 and is the easiest way to distinguish the 93-94 4L60-E Pump Cover from the 700-R4 version. The 93-94 4L60-E worm track configuration is shown in Figure 5.

1995 -1996 MODELS:

Pump Body - All models use the 10 Vane rotor and slide assembly, but this Pump Body has a different casting and worm track configuration than the 93-94 model Pump Body and **will not** interchange. The 95-96 Pump Body is easily identified with "PWM" cast into the front side, as shown in Figure 4. The "Bolt-On" bell housing was also introduced in 1996, which required the added "Flange" to center the bell housing. Refer to Figure 4.

Pump Cover - Has a different casting and worm track configuration than the 93-94 model Pump Cover and **will not** interchange. The 95-96 Pump Cover is easily identified with "PWM" cast into the back side in the location shown in Figure 6.

1997 MODELS:

Pump Body - Has the same worm track configuration as the 95-96 "PWM" Pump Body, but a 13 Vane rotor and slide assembly was introduced, as shown in Figure 7. The 13 Vane slide has longer "Porting Slots" as shown in Figure 7. The "PWM" is still cast into the front side of the Pump Body. Refer to Figure 7.

Pump Cover - Has the same worm track configuration as the 95-96 "PWM" Pump Cover, but the "Porting Slots" are a different configuration than the 95-96 Pump Cover, to accommodate the changes in the 13 Vane rotor and slide. Refer to Figure 8. The 13 Vane Pump Cover is easily identified with "13 V" cast into the back side of the Pump Cover in the location shown in Figure 8.

INTERCHANGEABILITY:

Refer to the interchange chart shown in Figure 2.

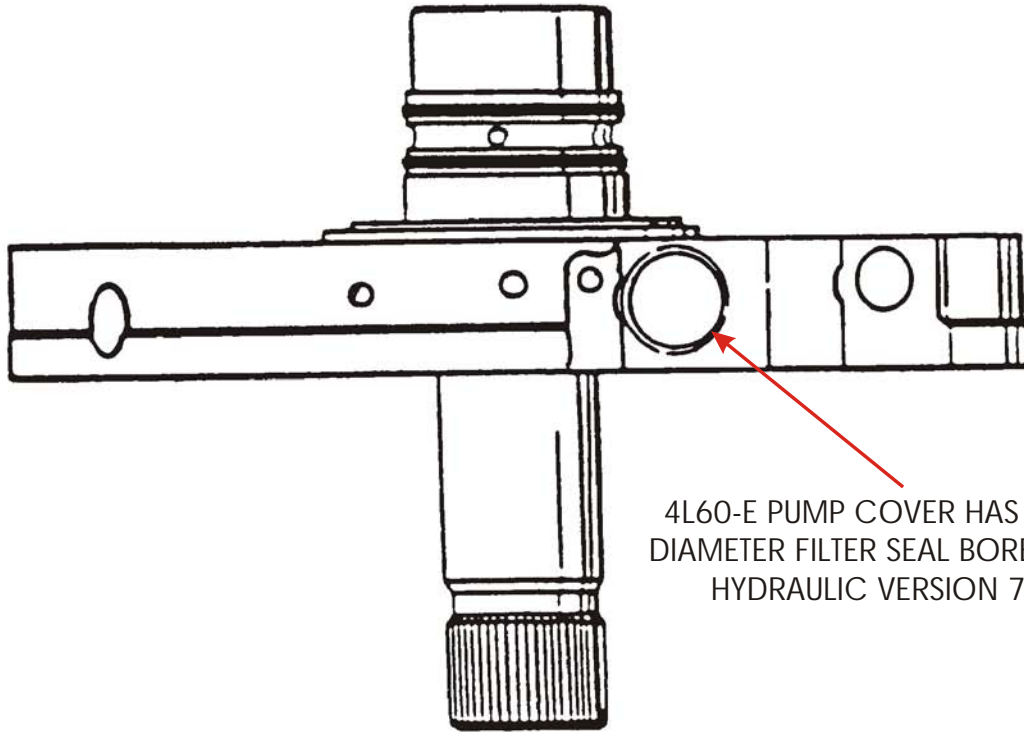


Figure 1

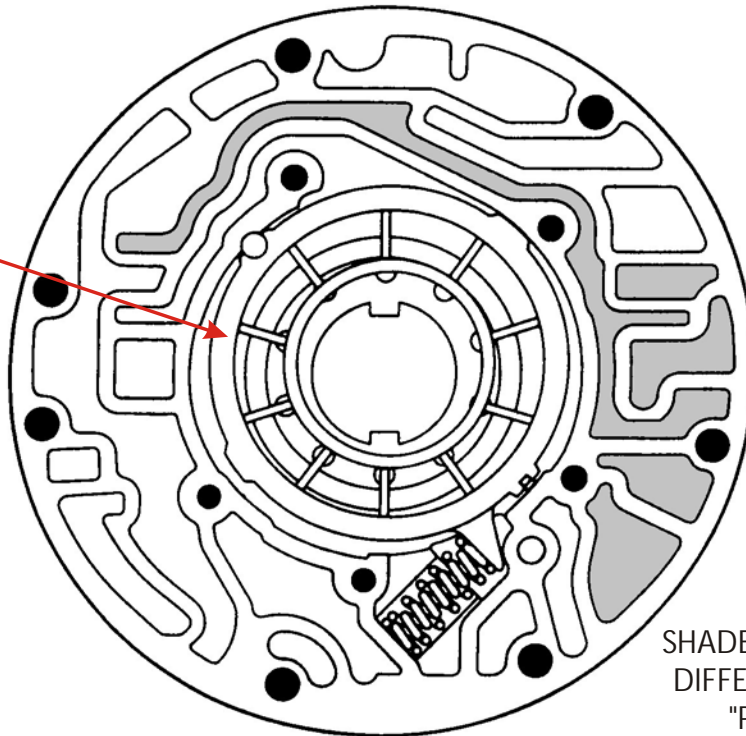
THM 4L60-E INTERCHANGE CHART

	93-94 COVER (Fig. 5)	95-96 COVER (Fig. 6)	13 VANE COVER (Fig. 8)
93-94 BODY (Fig. 3)	YES	NO	NO
95-96 BODY (Fig. 4)	NO	YES	NO
13 VANE BODY (Fig. 7)	NO	NO	YES
85-93 700-R4 BODY (10 V)	YES	NO	NO

Figure 2

1993-1994 THM 4L60-E PUMP BODY (Worm Track Side)

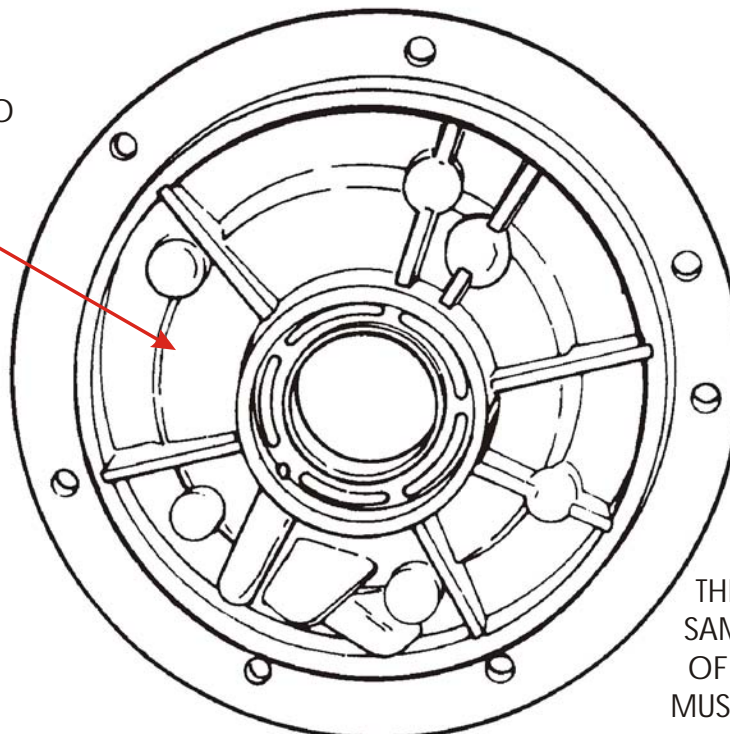
10 VANE
ROTOR AND SLIDE



SHADED WORM TRACKS ARE
DIFFERENT THAN THE 95-96
"PWM" PUMP BODY

1993-1994 THM 4L60-E PUMP BODY (Front Side)

NO "PWM" CAST INTO
THE PUMP BODY



THIS PUMP BODY IS THE
SAME AS 85-93 MODELS
OF THE THM 700-R4 BUT
MUST USE 10 VANE ROTOR

Figure 3

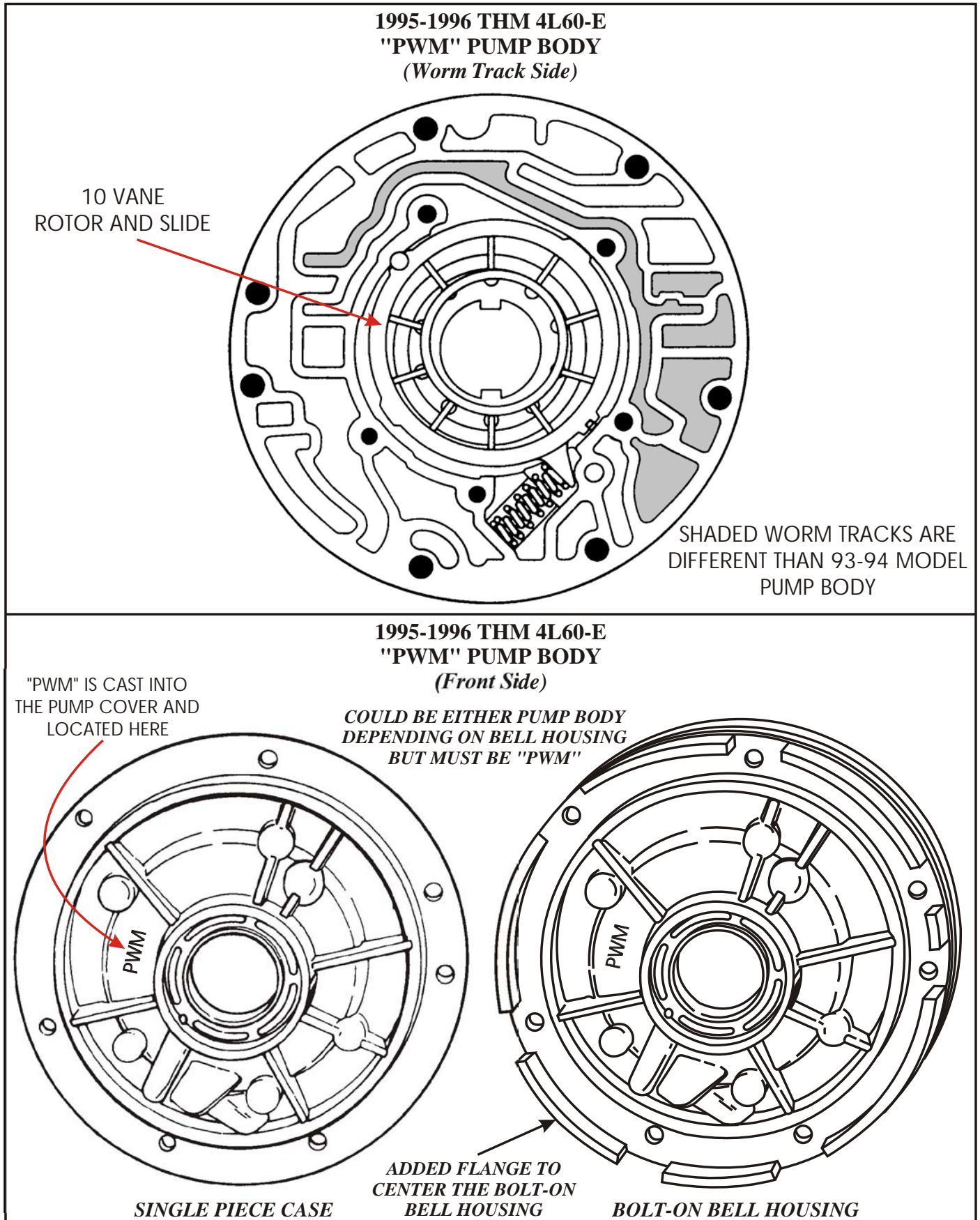
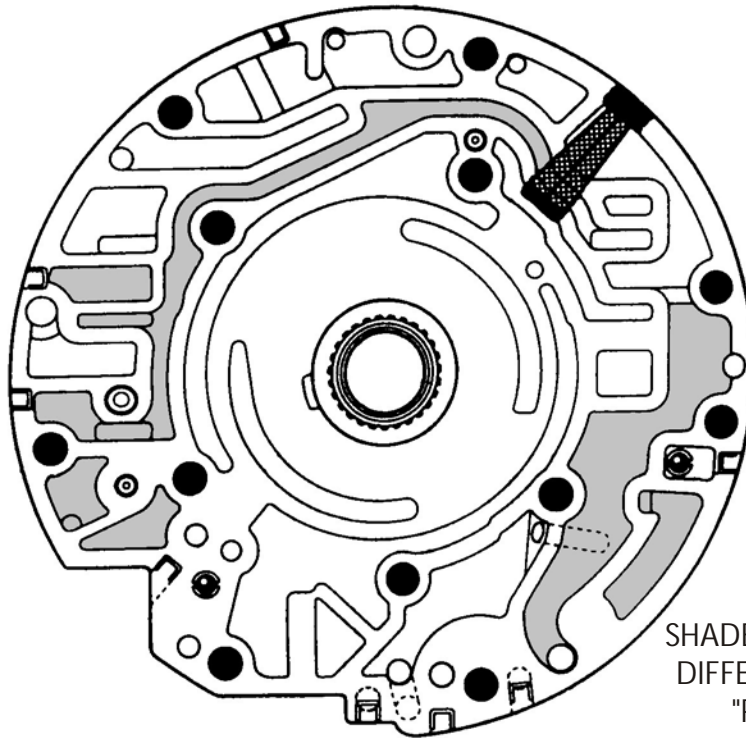


Figure 4

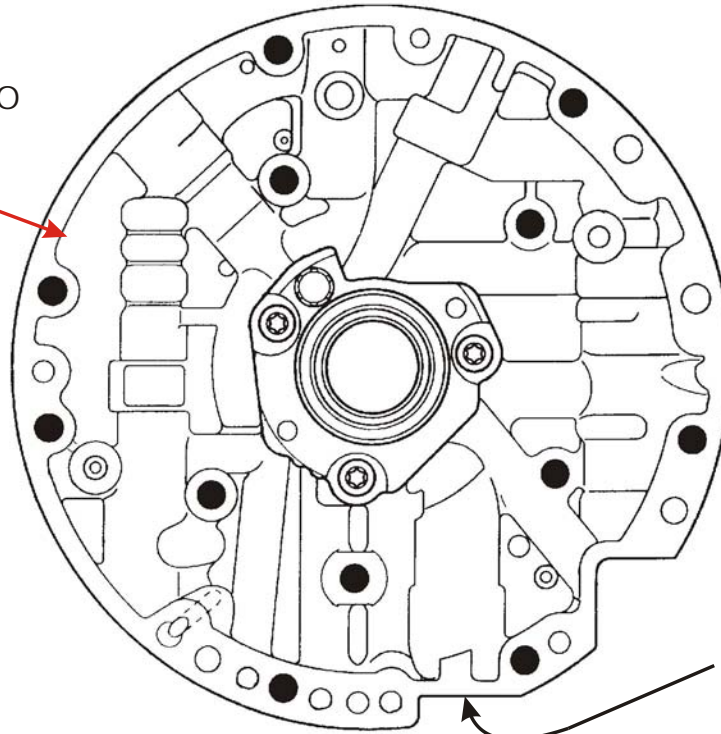
1993-1994 THM 4L60-E PUMP COVER (Worm Track Side)



SHADED WORM TRACKS ARE
DIFFERENT THAN THE 95-96
"PWM" PUMP BODY

1993-1994 THM 4L60-E PUMP COVER (Back Side)

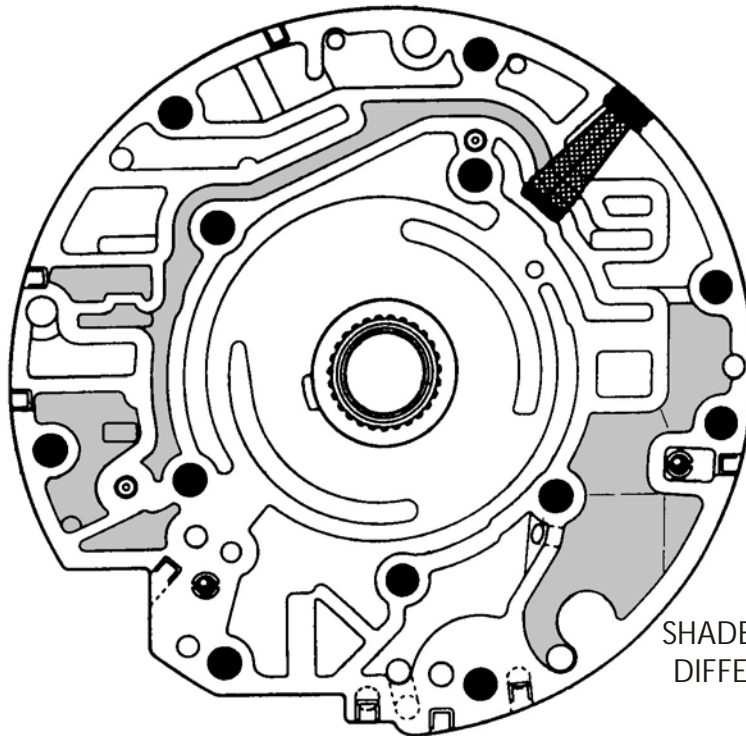
NO "PWM" CAST INTO
THE PUMP COVER



FILTER SEAL BORE
DIAMETER IS LARGER
ON "ALL" THM 4L60-E
PUMP COVERS

Figure 5

**1995-1996 THM 4L60-E
"PWM" PUMP COVER
(Worm Track Side)**



SHADED WORM TRACKS ARE
DIFFERENT THAN THE 93-94
PUMP BODY

**1995-1996 THM 4L60-E
"PWM" PUMP COVER
(Back Side)**

"PWM" IS CAST INTO
THE PUMP COVER FOR
IDENTIFICATION AND
LOCATED HERE

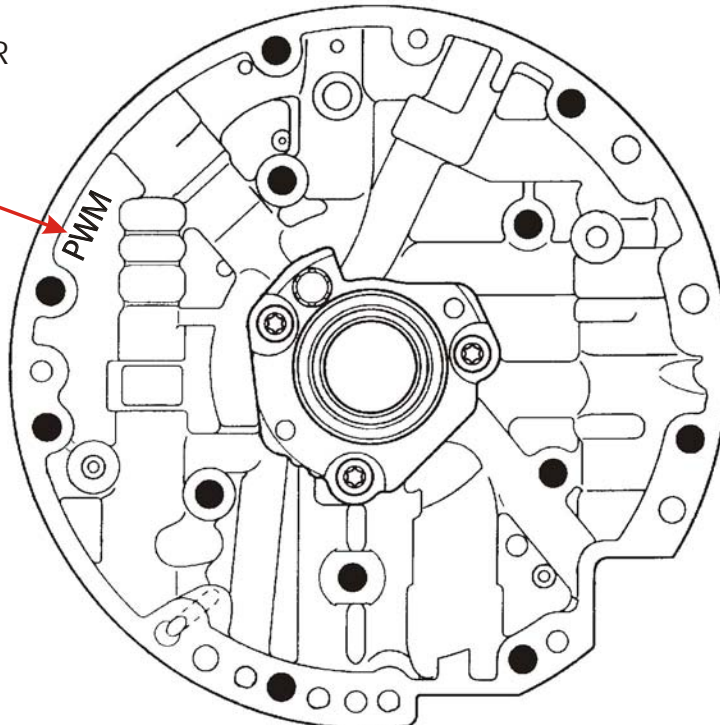
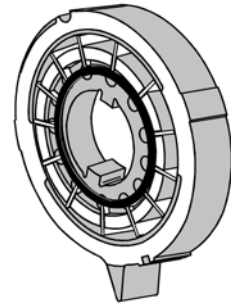


Figure 6

1997 THM 4L60-E 13 VANE ROTOR PUMP BODY (Worm Track Side)

"13 VANE"
ROTOR AND SLIDE

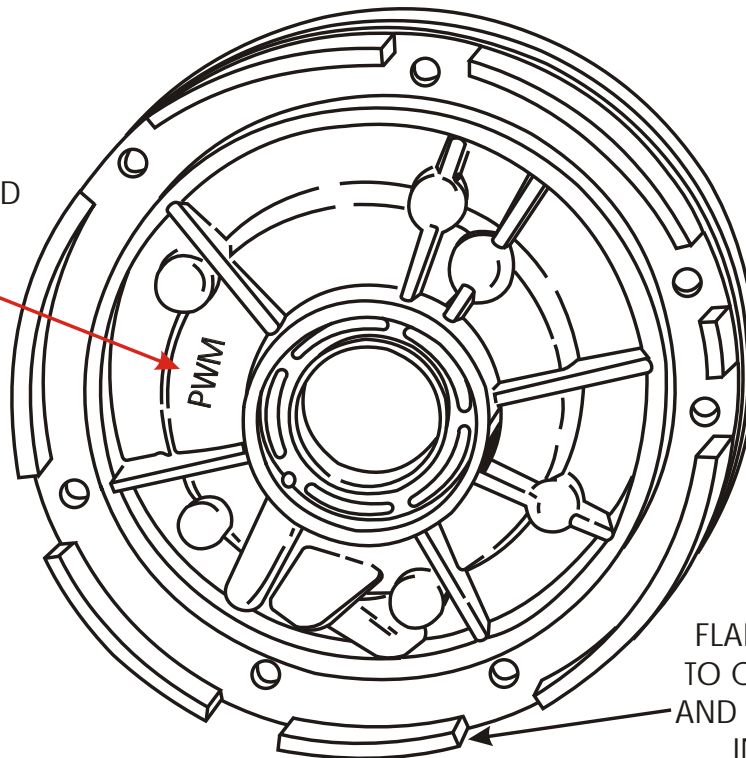
LONGER
PORTING SLOTS
IN THE 13 VANE
PUMP SLIDE



WORM TRACKS ARE THE
SAME AS 95-96 MODEL
"PWM" PUMP BODY

1997 THM 4L60-E 13 VANE ROTOR PUMP BODY (Front Side)

"PWM" IS CAST INTO
THE PUMP COVER AND
LOCATED HERE

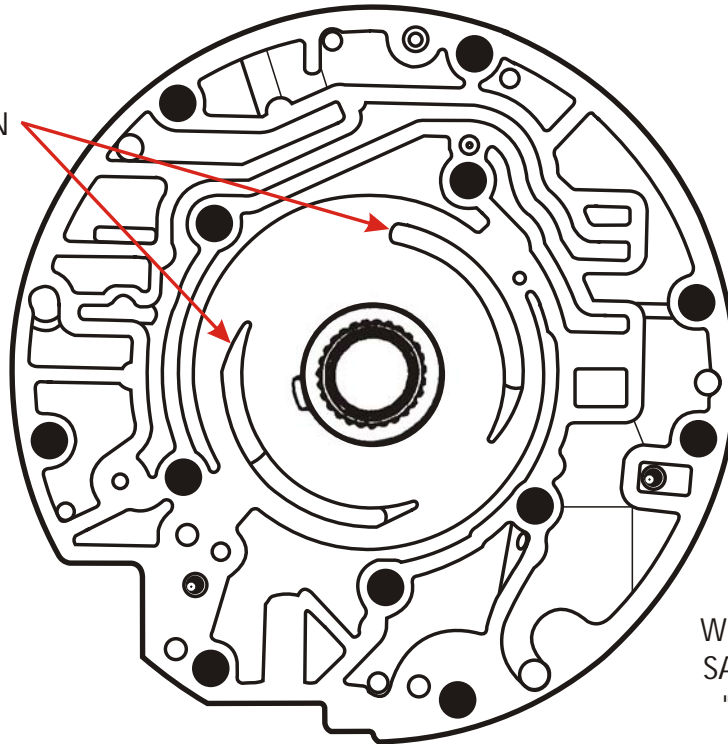


FLANGE ON PUMP BODY
TO CENTER BOLT ON BELL,
AND USED ON ALL MODELS
IN 1996 AND 1997

Figure 7

1997 13 VANE ROTOR "PWM" PUMP COVER (Worm Track Side)

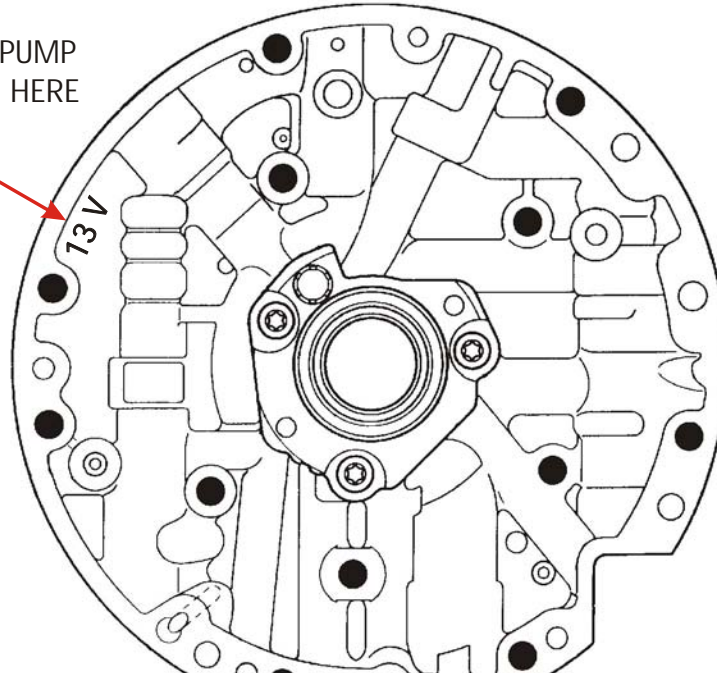
"PORTING SLOTS"
ARE DIFFERENT THAN
PREVIOUS MODELS



WORM TRACKS ARE THE
SAME AS 95-96 MODEL
"PWM" PUMP COVER

1997 13 VANE ROTOR "PWM" PUMP COVER (Back Side)

"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 8