



# Technical Service Information

## THM 4L80-E

### HIGH LINE PRESSURE (NO BANANA PARTS)

**COMPLAINT:** Harsh 1-2 shift, harsh 2-3 shift, harsh 3-4 shift, harsh garage shift from park to drive and/or reverse. Repeat breakage of the direct clutch piston.

**CAUSE:** The cause may be high line pressure created by mis-matching of valve body gaskets, spacer plates, and/or transmission case assembly.

Beginning August 21, 1991 (Julian Date 233) all THM 4L80-E/4L80-EHD transmissions were built with revised spacer plates, revised spacer plate gaskets, and a revised transmission case assembly, in an effort to improve line pressure instability concerns.

(1) TRANSMISSION CASE - Oil dam added in the torque signal circuit in the location shown in Figure 1, to orifice torque signal oil thru the revised spacer plate to the boost valve.

(2) VALVE BODY SPACER PLATE - The "Banana Hole" in the previous spacer plate was eliminated, with a round feed hole and orifice hole added on each side of the new dam in the case to make orifice effective (See Figure 2).

(3) SPACER PLATE GASKETS - Revised hole configuration to accommodate the new spacer plate and case, as shown in Figure 3.

**CORRECTION:** Install compatible parts. See acceptable combinations listed below.

1. PREVIOUS ("Banana Hole") SPACER PLATE, PREVIOUS ("Banana Hole") VALVE BODY GASKETS, AND REVISED (With Dam) CASE.  
*WILL NOT WORK, RESULTS IN HIGH LINE PRESSURE,*

2. REVISED (Two Hole) SPACER PLATE, PREVIOUS ("Banana Hole") VALVE BODY GASKETS, AND REVISED (With Dam) CASE.  
*WILL NOT WORK, RESULTS IN HIGH LINE PRESSURE,*

3. PREVIOUS ("Banana Hole") SPACER PLATE, REVISED (Two Hole) VALVE BODY GASKETS, AND REVISED (With Dam) CASE.  
*WILL NOT WORK, RESULTS IN HIGH LINE PRESSURE,*

4. PREVIOUS ("Banana Hole") SPACER PLATE, REVISED (Two Hole) VALVE BODY GASKETS, AND PREVIOUS (Non-Dam) CASE.  
*WILL WORK BUT WILL NOT IMPROVE LINE PRESSURE*

NOTE: TO ELIMINATE LINE PRESSURE INSTABILITY CONCERNS ON THESE MODELS, REFER TO ATSG BULLETIN 92-34.

5. REVISED (Two Hole) SPACER PLATE, REVISED (Two Hole) VALVE BODY GASKETS, AND REVISED (With Dam) CASE.  
*WILL WORK AND WILL IMPROVE LINE PRESSURE*

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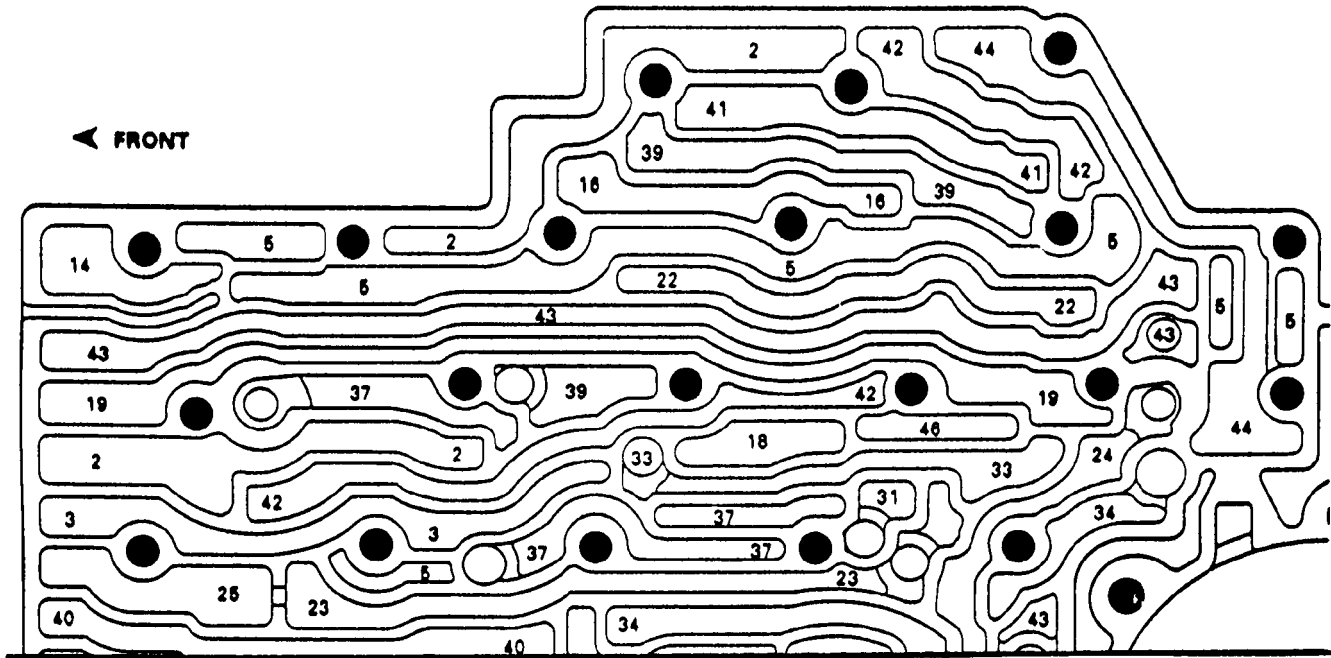


## Technical Service Information

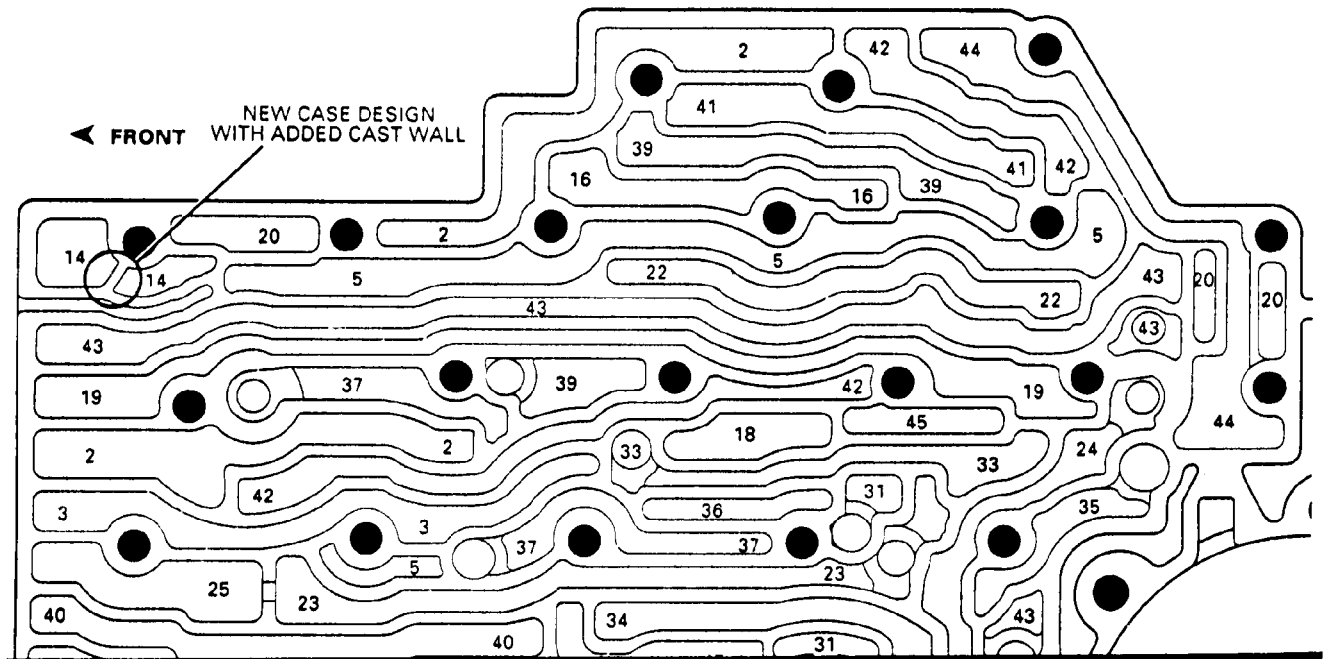
### SERVICE INFORMATION:

Case Assembly (2WD)	91-92	ABP, ADP, BAP, BBP, BMP, BNP, CAP, CBP, CRP, DCP, DDP, DNP, DPP, DRP, DSP, HTP, LLP, JDP .....	8683974
Case Assembly (4WD)	91-92	ACP, BJP, CKP, DLP, LFP .....	8683975
Case Assembly (Lug Cut)	1992	AFP, AJP, MBP, MKP, MPP, TSP, TWP, MHP, LAP .....	8683976
Spacer Plate	1991	BAP, BBP, BJP, BMP, BNP .....	8680654
Spacer Plate	1991	ADP, .....	8680584
Spacer Plate	1992	ABP, ACP, AFP, AJP, .....	8680584
Spacer Plate	91-92	BAP, BJP, BMP, BNP, CAP, CKP, CRP, ABP, JDP, LAP, LFP, LLP, MBP, MKP, MPP, .....	8680585
Spacer Plate	91-92	DNP, DPP, .....	8680586
Spacer Plate	91-92	DCP, DDP, DLP, DRP, TSP, TWP .....	8680587
Spacer Plate	91-92	DSP, HTP, .....	8680588
GASKET, V.B./S.P. (All Models)		.....	8684733
GASKET, CASE/S.P. (All Models)		.....	8684205

## PREVIOUS CASE NO OIL DAM



## NEW DESIGN CASE WITH OIL DAM

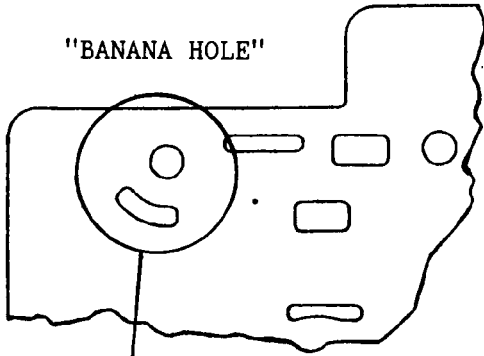


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Figure 1

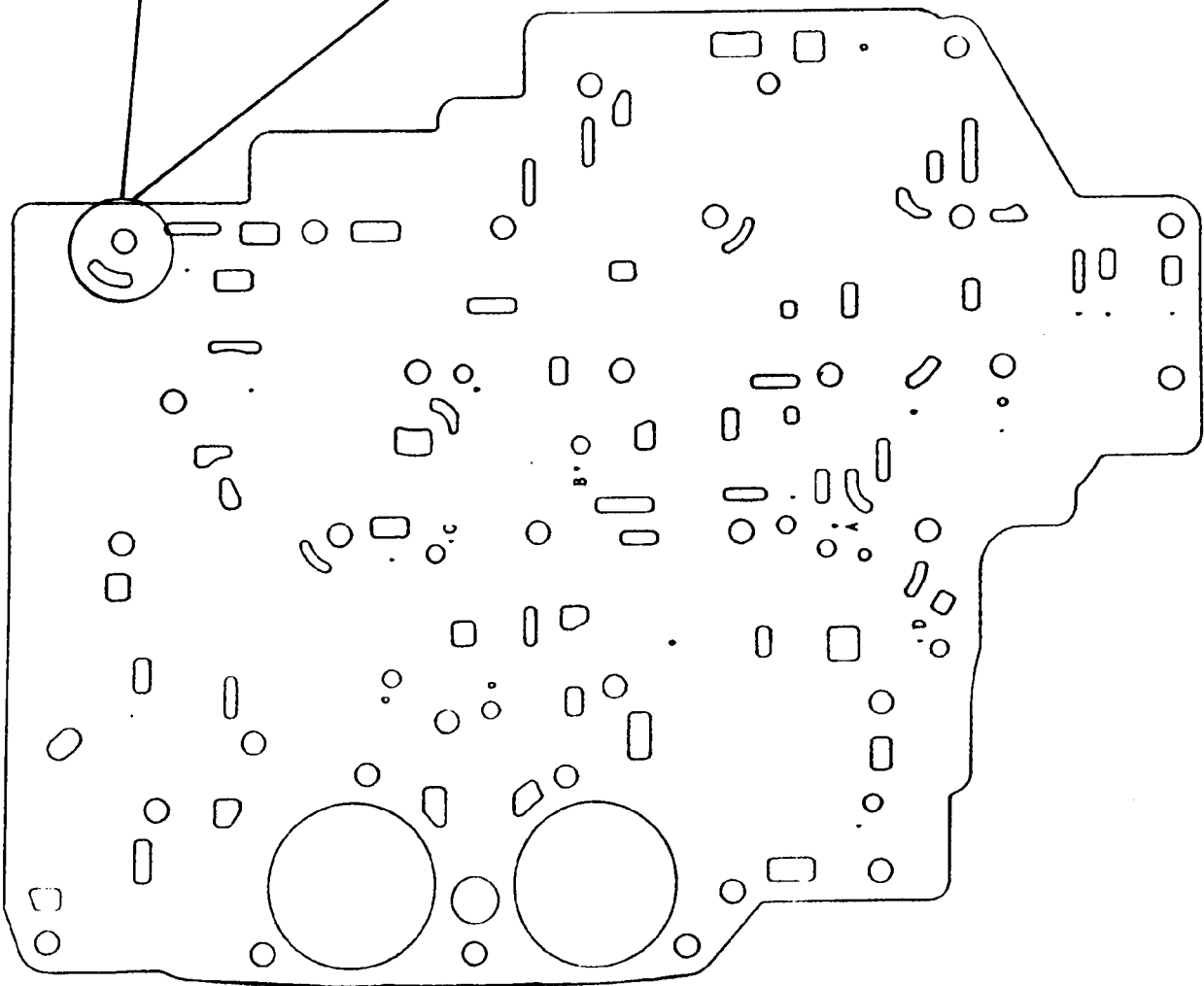
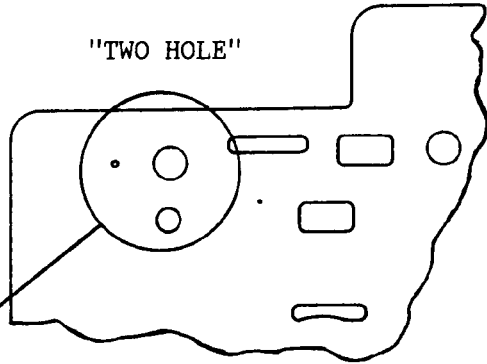
## PREVIOUS SPACER PLATE

"BANANA HOLE"



## NEW DESIGN SPACER PLATE

"TWO HOLE"

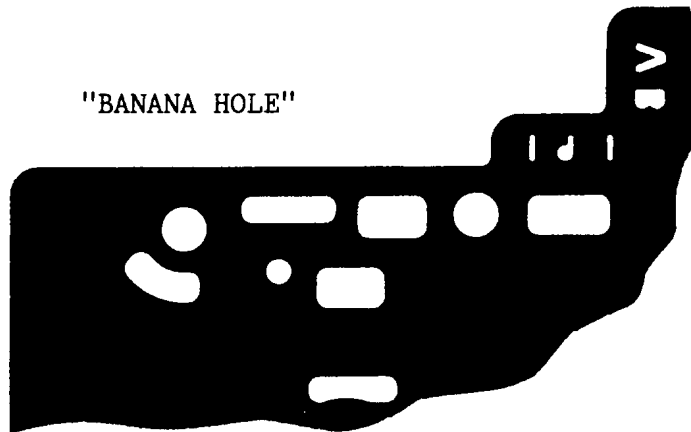


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Figure 2

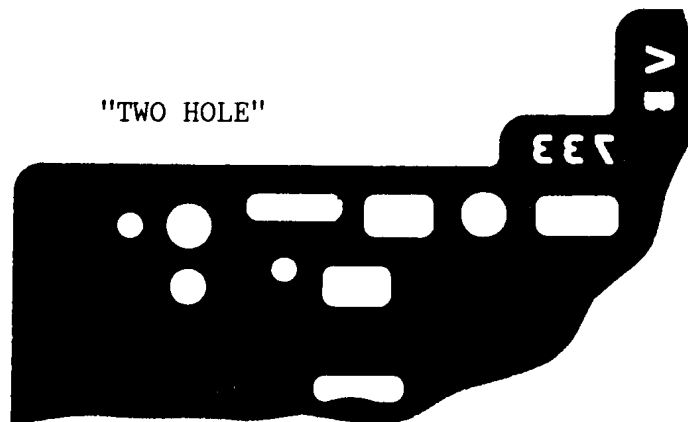
**PREVIOUS  
SPACER PLATE GASKET**

"BANANA HOLE"



**NEW DESIGN  
SPACER PLATE GASKET**

"TWO HOLE"



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Figure 3