



Technical Service Information

FORD AXODE 1991-2002 OIL PUMP AND VALVE BODY CHECKBALL LOCATION CHANGES

This bulletin provides you with the checkball locations and changes for all AXODE (AX4S) model transaxles from 1991 through 2002, for both the oil pump and the valve body, as everything changed again in model year 1999.

<i>Vehicle Line</i>	<i>Up To And Including Serial Number</i>	<i>Model Code</i>
<i>1991 Taurus/Sable 3.8L</i>	<i>54553</i>	<i>PNA-EA</i>
<i>1991 Taurus/Sable 3.0L</i>	<i>195343</i>	<i>PNA-EC</i>
<i>1991 Continental 3.8L</i>	<i>39653</i>	<i>PNA-EB</i>
<i>1991 All Police 3.8L</i>	<i>10936</i>	<i>PNA-EE</i>

OIL PUMP

"Early" 1991 Only - Uses 5 checkballs in the locations shown in Figure 1. Use chart above to determine Early or Late transaxle by serial number.

"Late" 1991 Only - Uses 4 checkballs in the locations shown in Figure 1. Use chart above to determine Early or Late transaxle by serial number.

1992-1998 Only - Uses 4 checkballs but in different locations, as shown in Figure 2. B-13 checkball was eliminated and B-2 checkball was added.

1999-2002 Only - Uses 3 checkballs in the locations shown in Figure 2. B-5 checkball was eliminated.

VALVE BODY

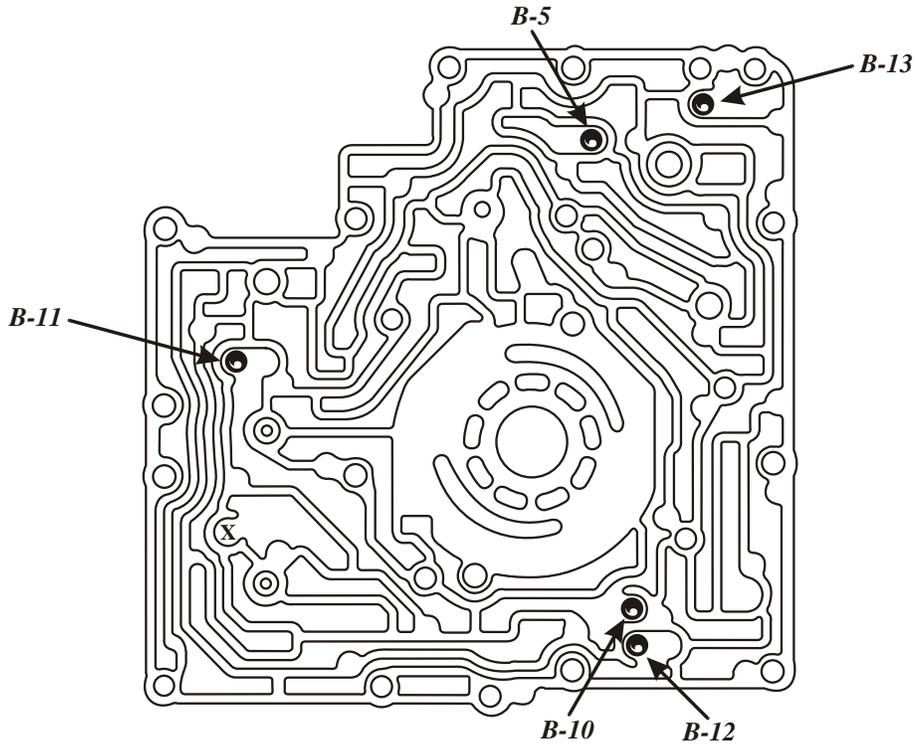
1991-1992 Only - Uses 7 checkballs, as shown in Figure 3.

1992-1998 Only - Uses 6 checkballs, as shown in Figure 4. The No. 7 Checkball was eliminated.

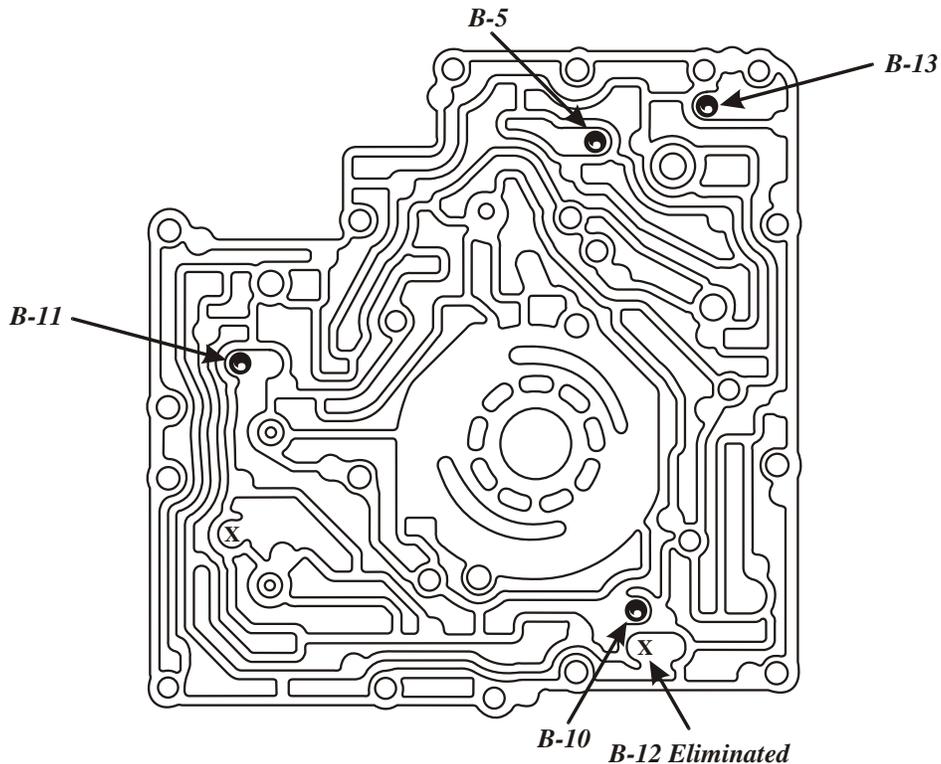
1999-2002 Only - Uses 6 checkballs, as shown in Figure 5. Also notice that one relief valve moved.

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CHECKBALL LOCATIONS "EARLY" 1991 "ONLY"



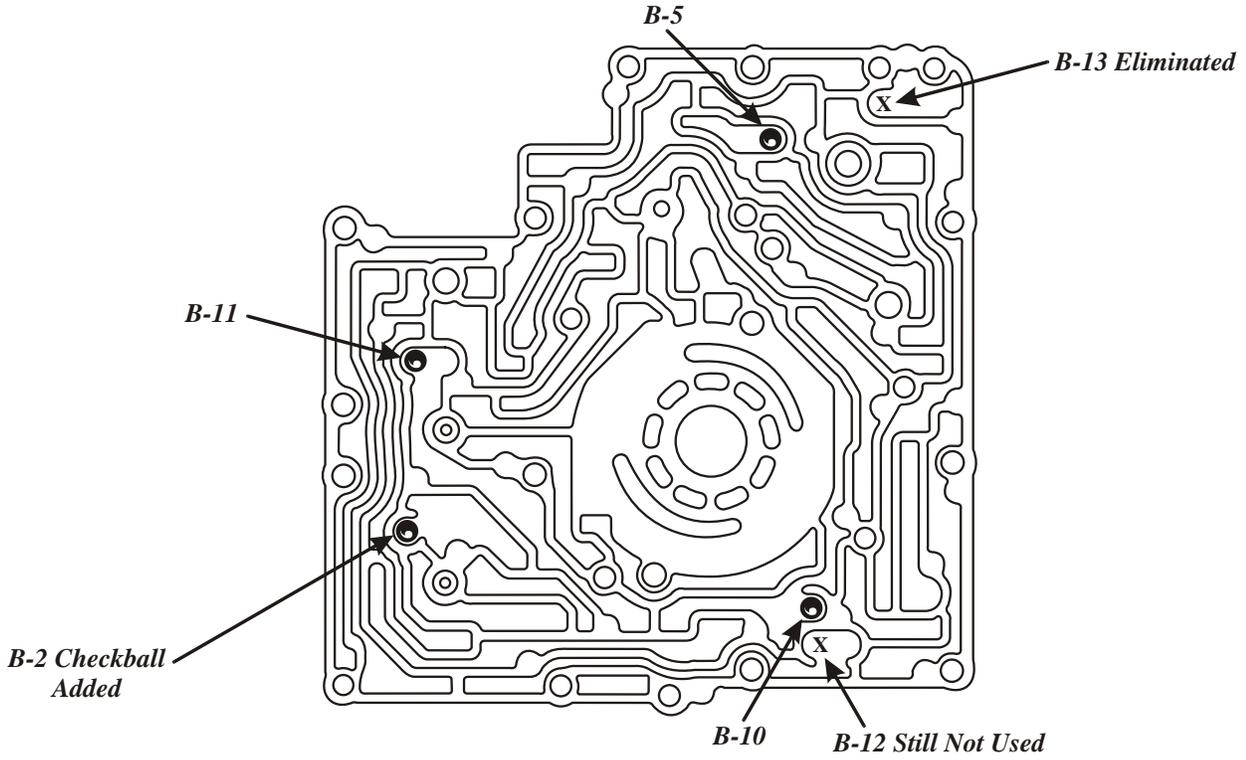
CHECKBALL LOCATIONS "LATE" 1991 "ONLY"



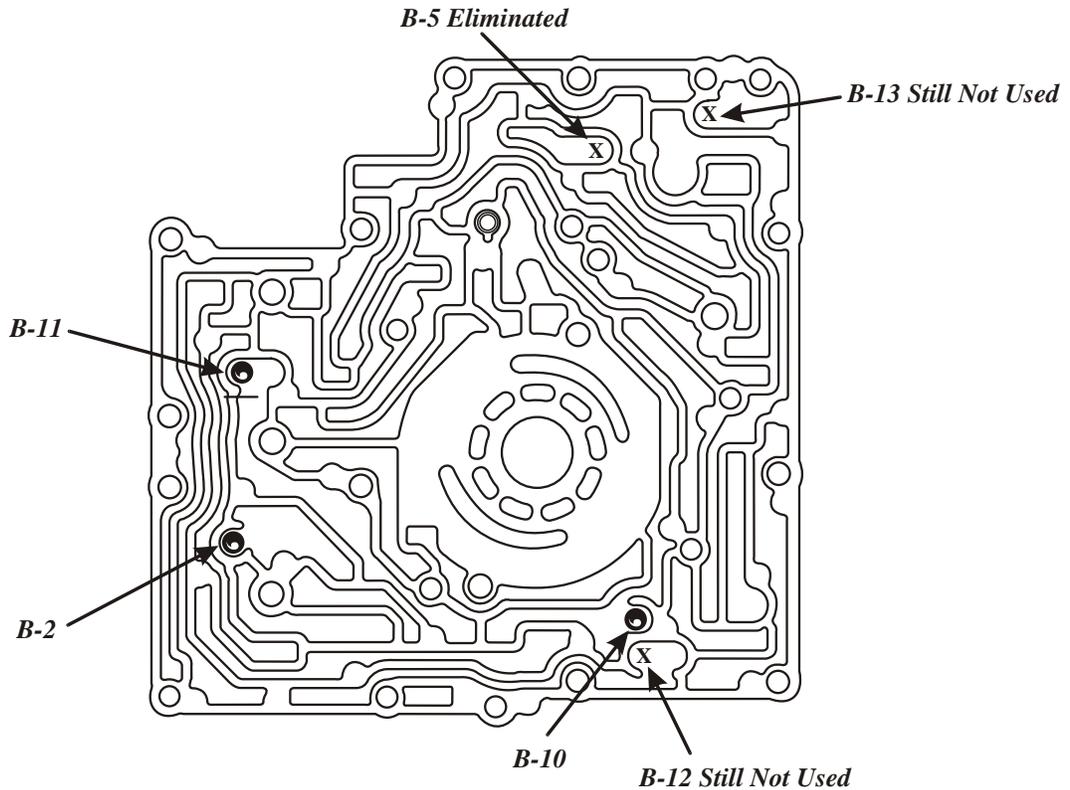
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Figure 1

CHECKBALL LOCATIONS 92-98 MODELS "ONLY"



CHECKBALL LOCATIONS 1999 AND LATER "ONLY"



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Figure 2

**AXODE (AX4S) 1991-1992 ONLY
CHECKBALL AND RELIEF VALVE LOCATIONS**

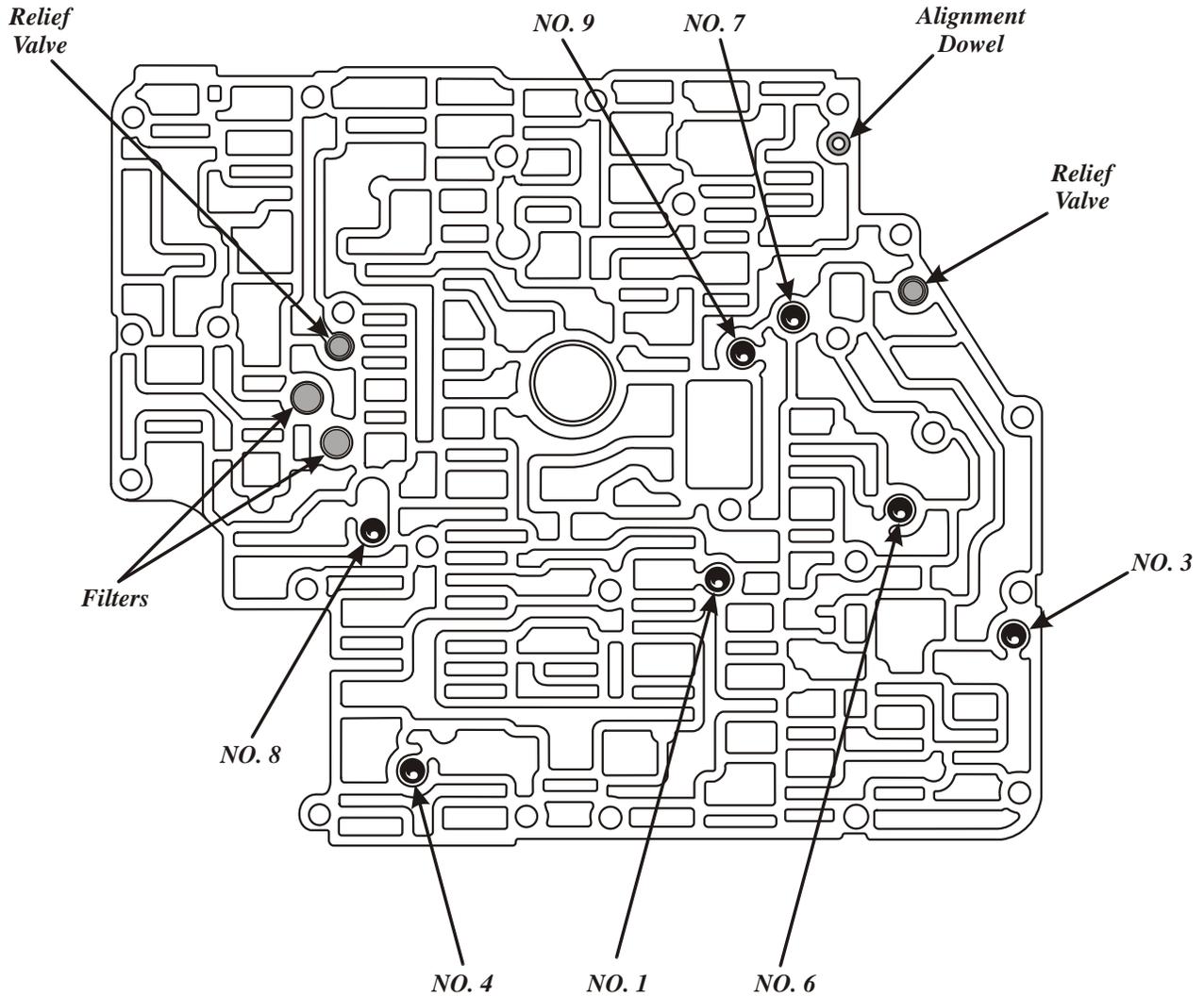


Figure 3

**AXODE (AX4S) 1993-1998
CHECKBALL AND RELIEF VALVE LOCATIONS**

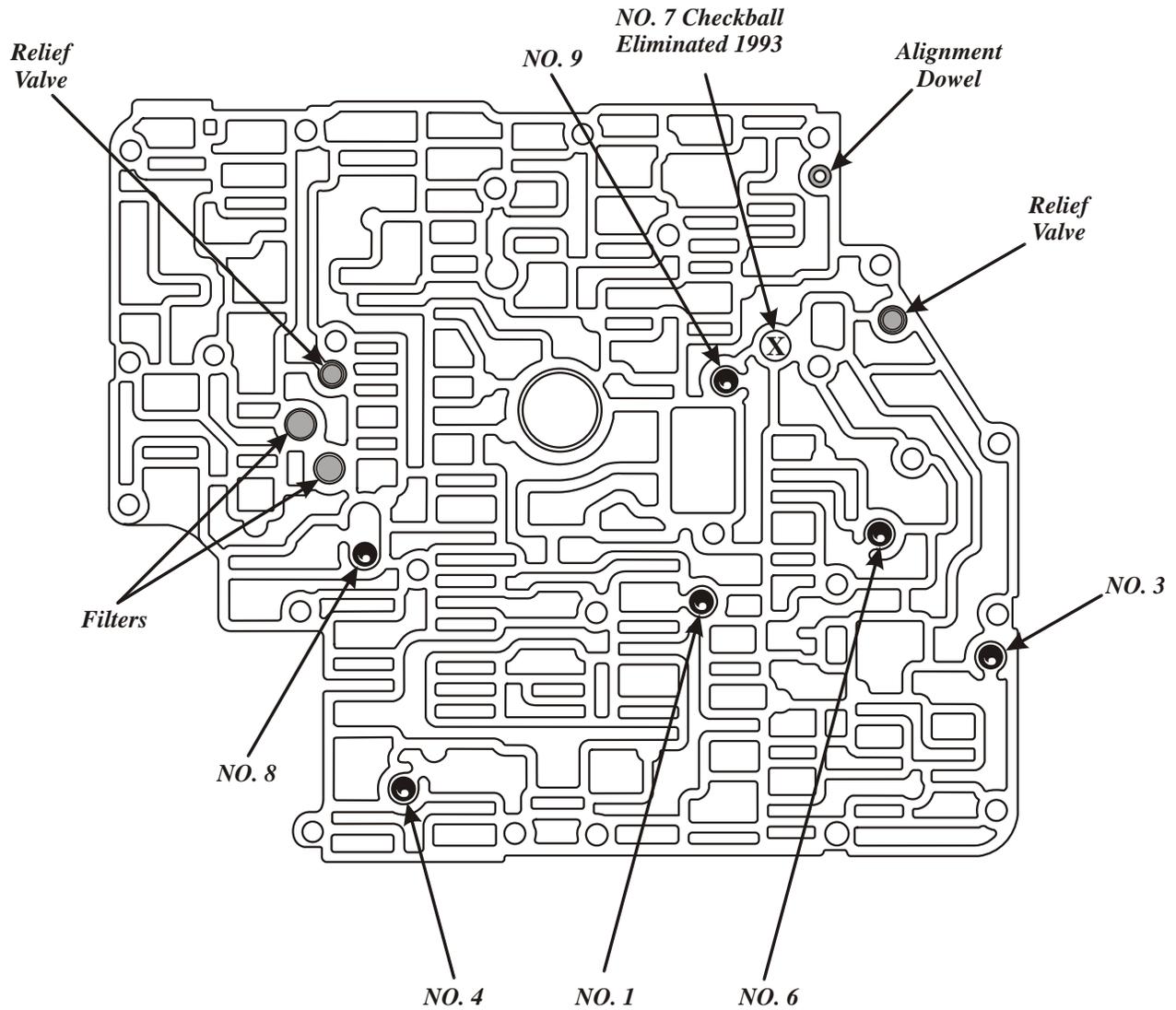


Figure 4

**AXODE (AX4S) 1999-2002
CHECKBALL AND RELIEF VALVE LOCATIONS**

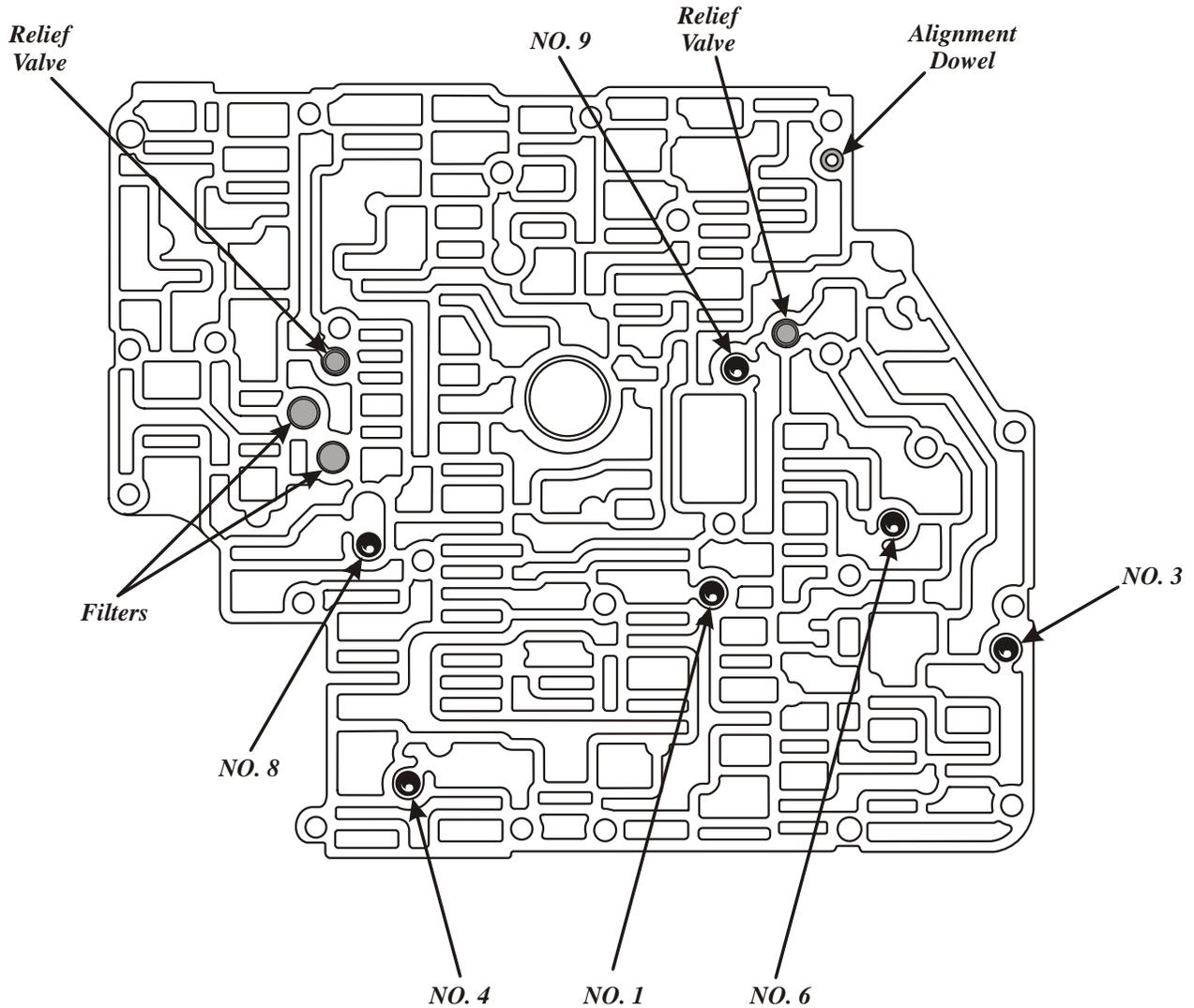


Figure 5