



FORD AODE/4R70W CHECKBALL LOCATIONS CHANGE FOR 1996-UP MODELS

CHANGE: Beginning in the 1996 model year Ford Motor Company changed the checkball locations in the main valve body on AODE/4R70W transmissions. The Number 1 checkball in the 1992-1995 models was eliminated, the location was moved and the ball was re-numbered as the Number 9 checkball. Refer to Figures 1, 2 and 3.

REASON: Improved 4-3 and 4-2 downshifts.

PARTS AFFECTED:

- (1) VALVE BODY CASTING - Worm track configuration changed to accommodate the new checkball locations, as shown in Figures 1, 2 and 3.
- (2) SPACER PLATE - Hole configuration changes to accommodate the changes in the new checkball locations.
- (3) VALVE BODY TO SPACER PLATE GASKET - Hole configuration changes to accommodate the new checkball locations and OEM part numbers are listed below.
- (4) SPACER PLATE TO CASE GASKET - Hole configuration changes to accommodate the new checkball locations and OEM part numbers are listed below.

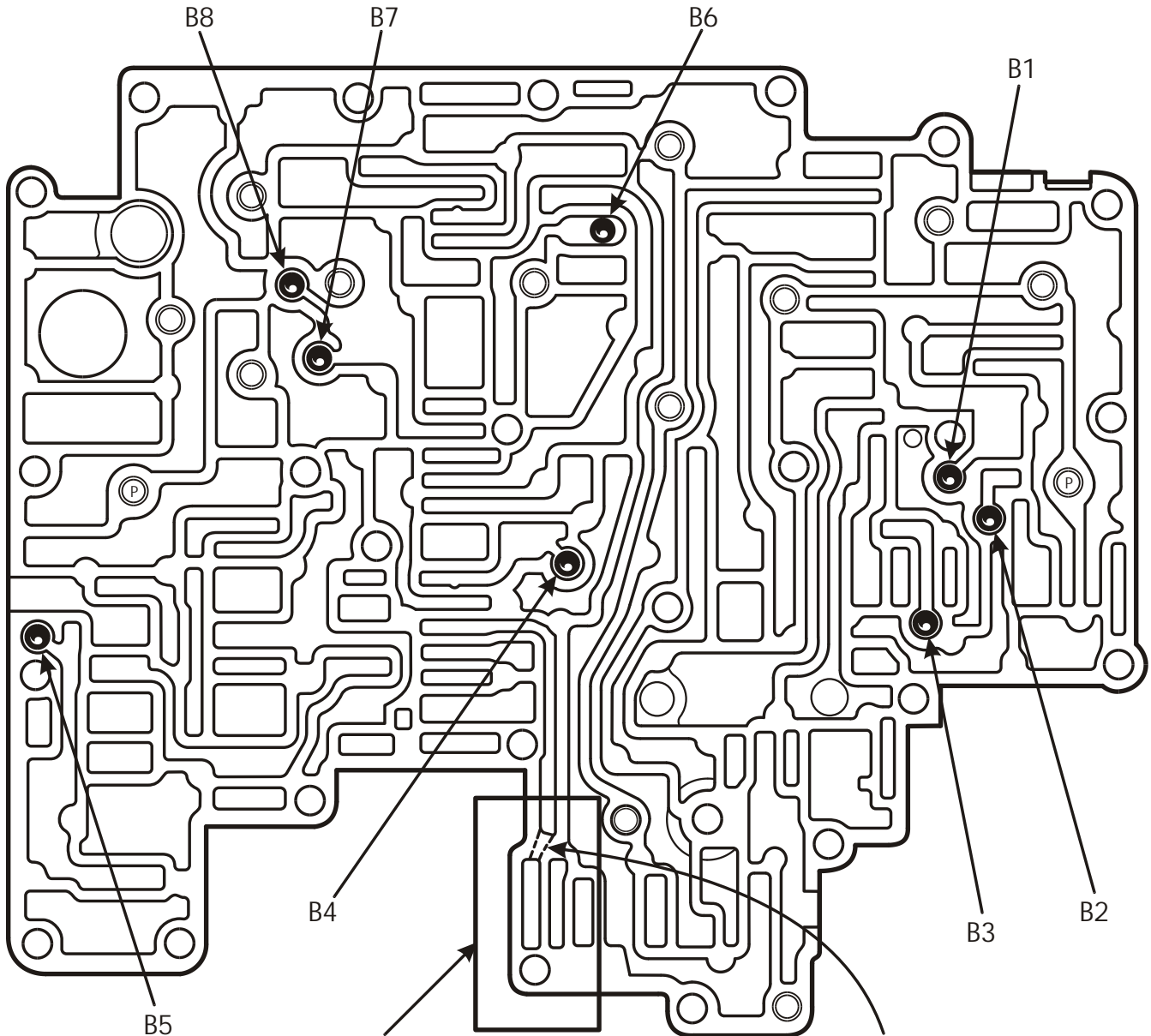
INTERCHANGEABILITY:

None of the parts listed above will interchange with previous design level parts. You can use all of the parts listed above as a package to back service previous models as long as calibration concerns are addressed and using the proper size valve body pilot bolts and/or case sleeves to ensure proper valve body alignment.

SERVICE INFORMATION:

Valve Body to Spacer Plate Gasket (92-95 Models)	F2VY-7D100-A
Spacer Plate to Case Gasket (92-95 Models)	F2VY-7C155-A
Valve Body to Spacer Plate Gasket (96-Up Models)	F7AZ-7D100-AA
Spacer Plate to Case Gasket (96-Up Models)	F7AZ-7C155-AA
Valve Body Cover Plate Gasket (92-95 Models)	F2VY-7H173-A
Valve Body Cover Plate Gasket (96-Up Models)	F6AZ-7H173-A

1992-1995 AODE/4R70W CHECKBALL LOCATIONS



*Passages In This Area
May Vary In Shape On
1992-1995 Models*

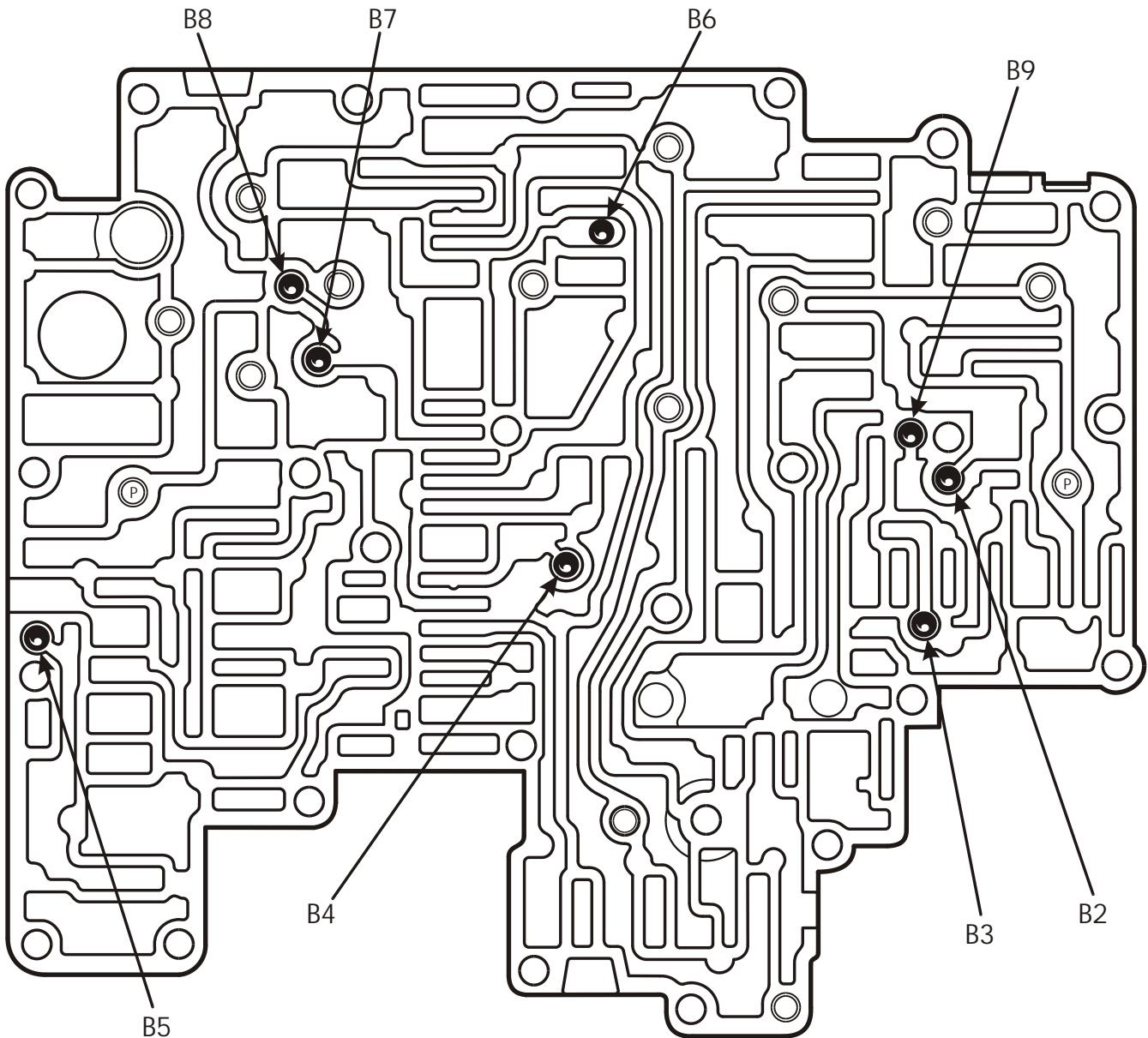
*Some Models Have The OD D and OD Circuits
Connected To Form One OD Circuit As Shown
With The Dotted Lines.*

- B1 - Between the Forward Clutch circuit and the 23BP circuit (92-95 Only).
- B2 - In the Forward Clutch circuit near the 3-4 shift valve.
- B3 - In the Direct Clutch circuit near the 2-3 backout valve.
- B4 - In the Overdrive and Forward Clutch circuits near the 1-2 shift valve.
- B5 - In the Reverse circuit near orifice number one.
- B6 - Shuttle ball between the Low and Reverse circuits.
- B7 - Between the L234 and Torque Converter Clutch circuits.
- B8 - Between the L234 and Intermediate Clutch circuits.

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Figure 1

1996-UP AODE/4R70W CHECKBALL LOCATIONS



- B2 - In the Forward Clutch circuit near the 3-4 shift valve.
- B3 - In the Direct Clutch circuit near the 2-3 backout valve.
- B4 - In the Overdrive and Forward Clutch circuits near the 1-2 shift valve.
- B5 - In the Reverse circuit near orifice number one.
- B6 - Shuttle ball between the Low and Reverse circuits.
- B7 - Between the L234 and Torque Converter Clutch circuits.
- B8 - Between the L234 and Intermediate Clutch circuits.
- B9 - Between the FC34 and 23BP circuits (1996-Up Only).

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Figure 2

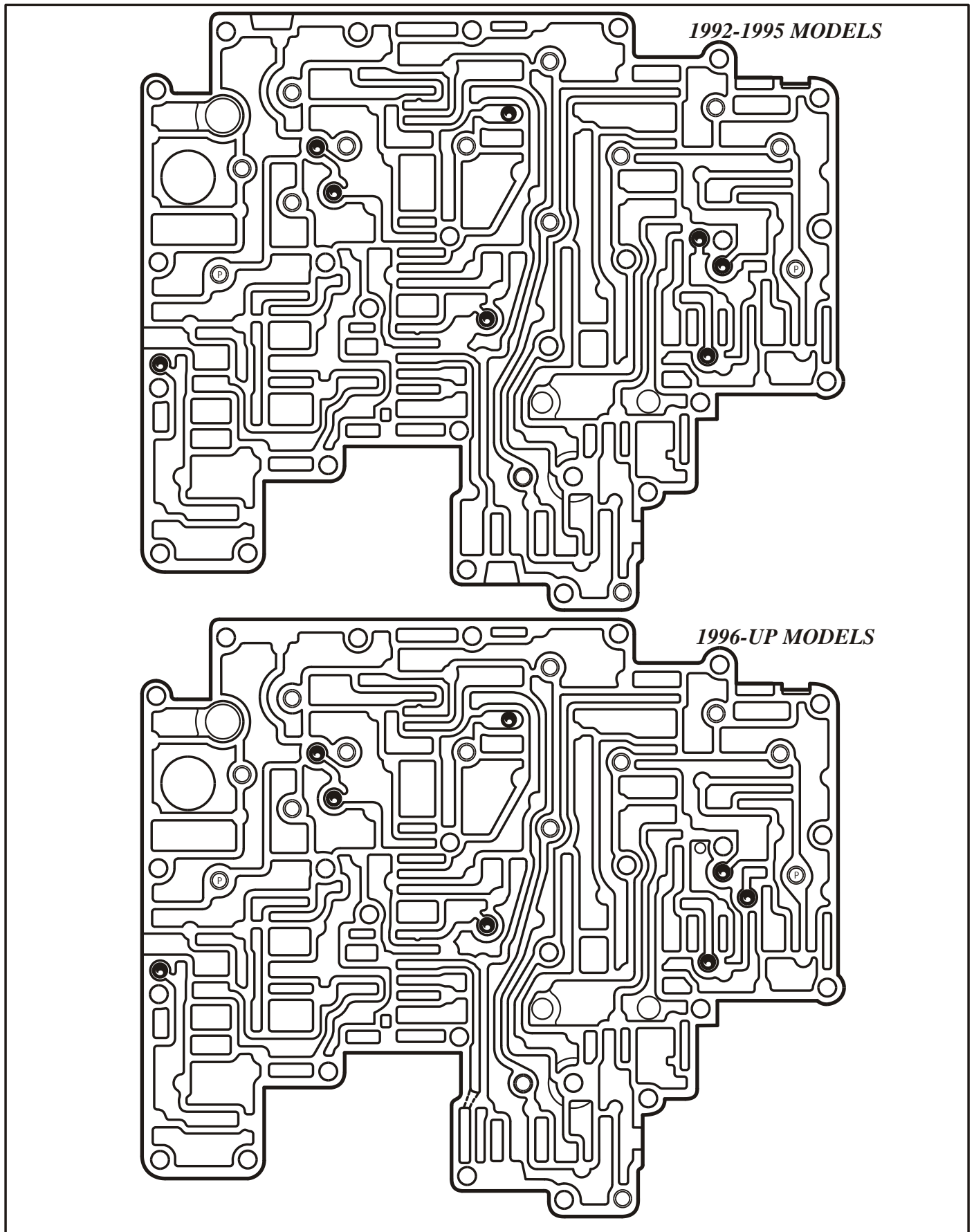


Figure 3