



Technical Service Information

AISIN SEIKI 450-43LE VALVE BODY EXPLODED VIEWS AND IDENTIFICATION OF COMPONENTS

Refer to Figures 1 and 2 for the Identification and location of valve line-ups in the Upper Valvebody

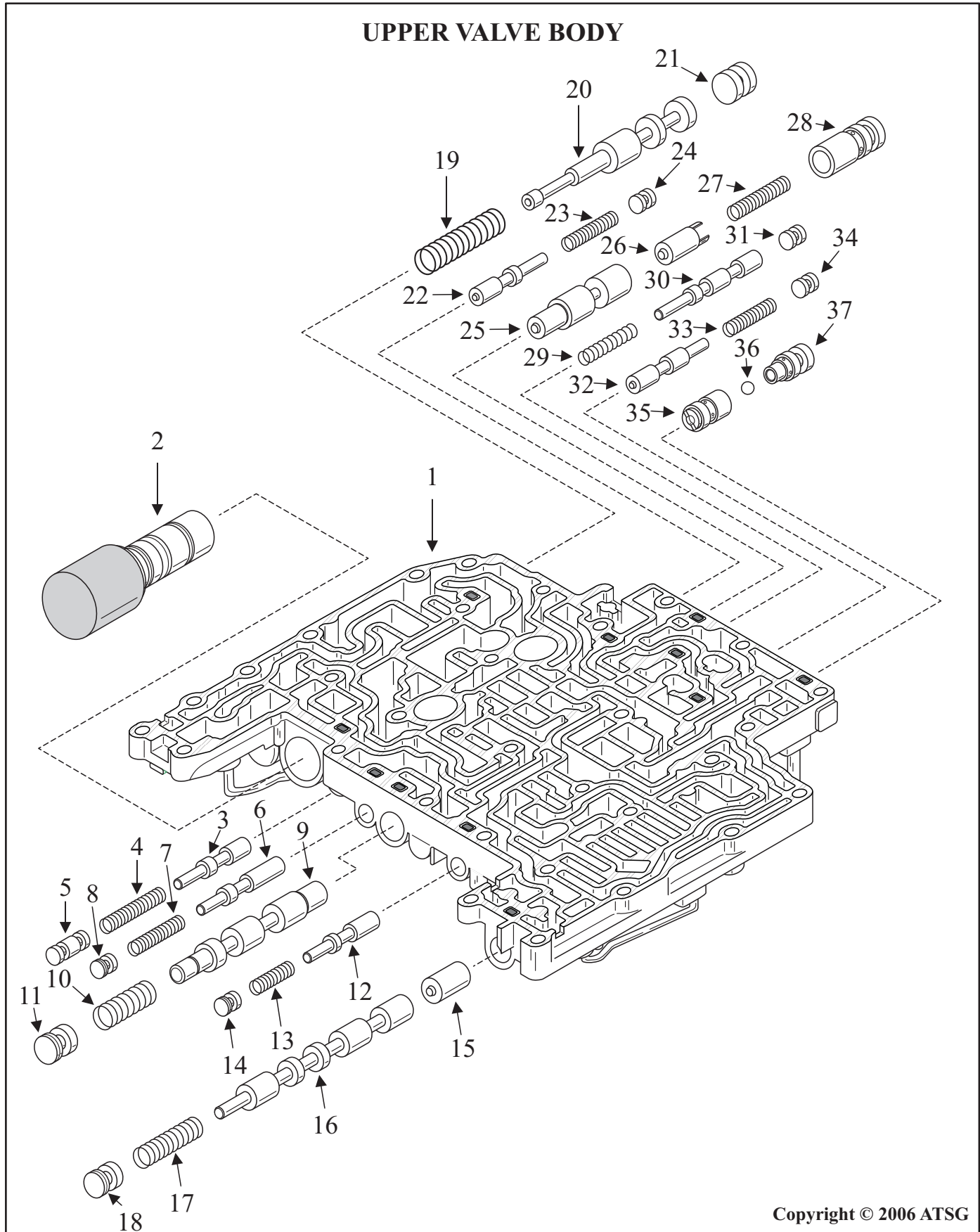
Refer to Figures 3 and 4 for the Identification and location of valve line-ups in the Lower Valvebody

Refer to Figure 5 for the Identification and location of the Shift Solenoids, Lock-up Solenoid and the Timing Solenoid

Refer to Figure 6 for the Location of Checkballs and Filter in the Upper Valve Body

Refer to Figure 7 for the Location of Checkballs in the Lower Valve Body

Refer to Figure 8 for the Location of the retainers and Filters in the Lower Valve Body (Pan Side)



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Figure 1



Technical Service Information

UPPER VALVE BODY LEGEND

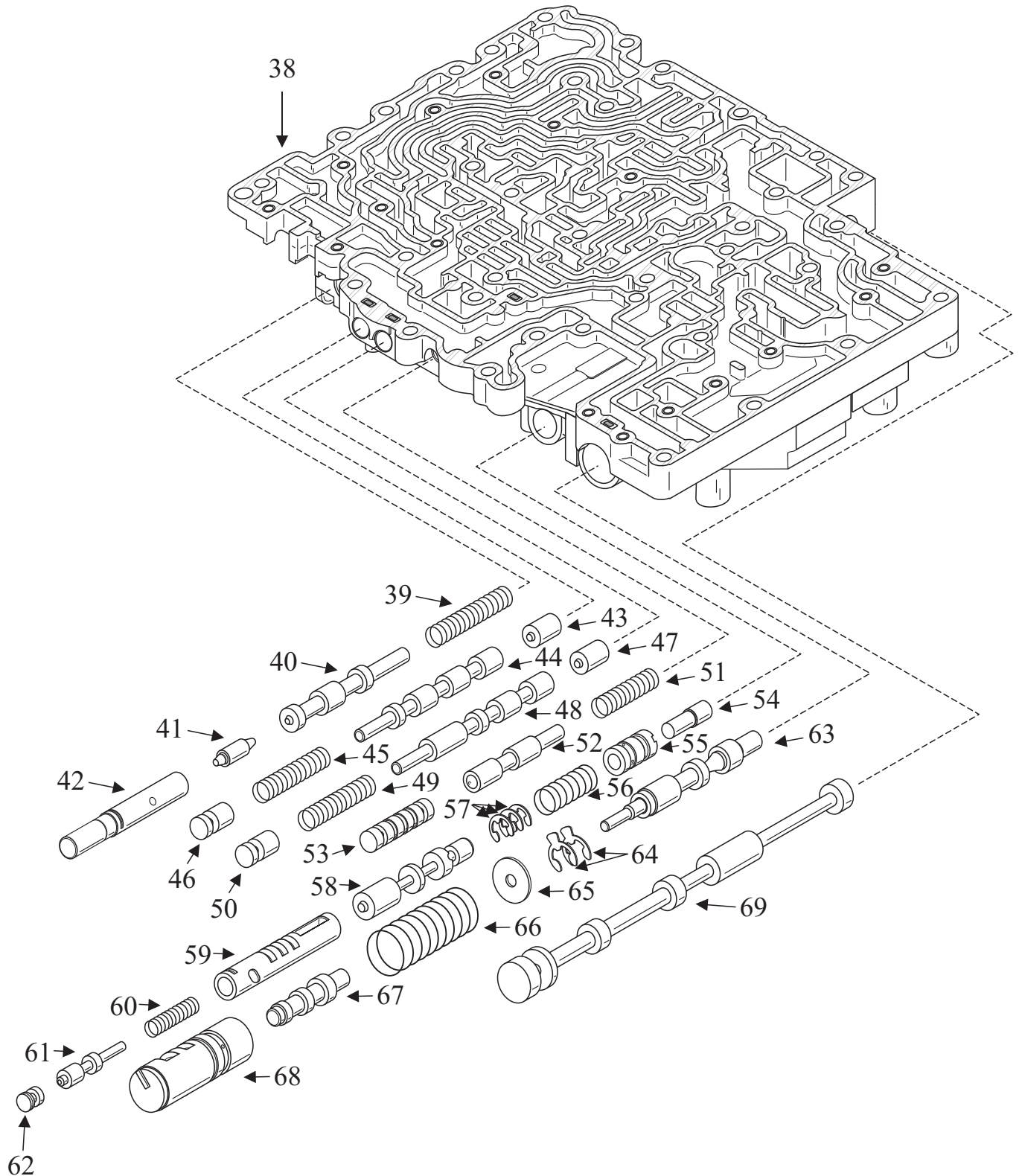
- | | |
|--------------------------------------|---|
| 1. UPPER VALVE BODY | 20. SECONDARY REGULATOR VALVE |
| 2. PRESSURE CONTROL SOLENOID | 21. SECONDARY REGULATOR VALVE BORE PLUG |
| 3. REDUCING VALVE | 22. MODULATOR VALVE |
| 4. REDUCING VALVE SPRING | 23. MODULATOR VALVE SPRING |
| 5. REDUCING VALVE BORE PLUG | 24. MODULATOR VALVE BORE PLUG |
| 6. LOCK-UP SIGNAL VALVE | 25. REVERSE INHIBITOR VALVE # 1 |
| 7. LOCK-UP SIGNAL VALVE SPRING | 26. REVERSE INHIBITOR VALVE # 2 |
| 8. LOCK-UP SIGNAL VALVE BORE PLUG | 27. REVERSE INHIBITOR VALVE SPRING |
| 9. ACCUMULATOR VALVE | 28. REVERSE INHIBITOR VALVE SLEEVE |
| 10. ACCUMULATOR VALVE SPRING | 29. LOW COAST MODULATOR VALVE SPRING |
| 11. ACCUMULATOR VALVE BORE PLUG | 30. LOW COAST MODULATOR VALVE* |
| 12. ORFICE CONTROL VALVE | 31. LOW COAST MODULATOR VALVE BORE PLUG |
| 13. ORFICE CONTROL VALVE SPRING | 32. LOW INHIBITOR VALVE |
| 14. ORFICE CONTROL VALVE BORE PLUG | 33. LOW INHIBITOR VALVE SPRING |
| 15. 2-3 SHIFT VALVE PLUG | 34. LOW INHIBITOR VALVE BORE PLUG |
| 16. 2-3 SHIFT VALVE | 35. DIRECT CLUTCH CHECK VALVE |
| 17. 2-3 SHIFT VALVE SPRING | 36. DIRECT CLUTCH CHECK VALVE BALL |
| 18. 2-3 SHIFT VALVE BORE PLUG | 37. DIRECT CLUTCH CHECK VALVE SLEEVE |
| 19. SECONDARY REGULATOR VALVE SPRING | |

***A stuck Low Coast Modulator Valve will cause no forward movement and a bind in reverse.**

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Figure 2

LOWER VALVE BODY



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Figure 3

LOWER VALVE BODY LEGEND

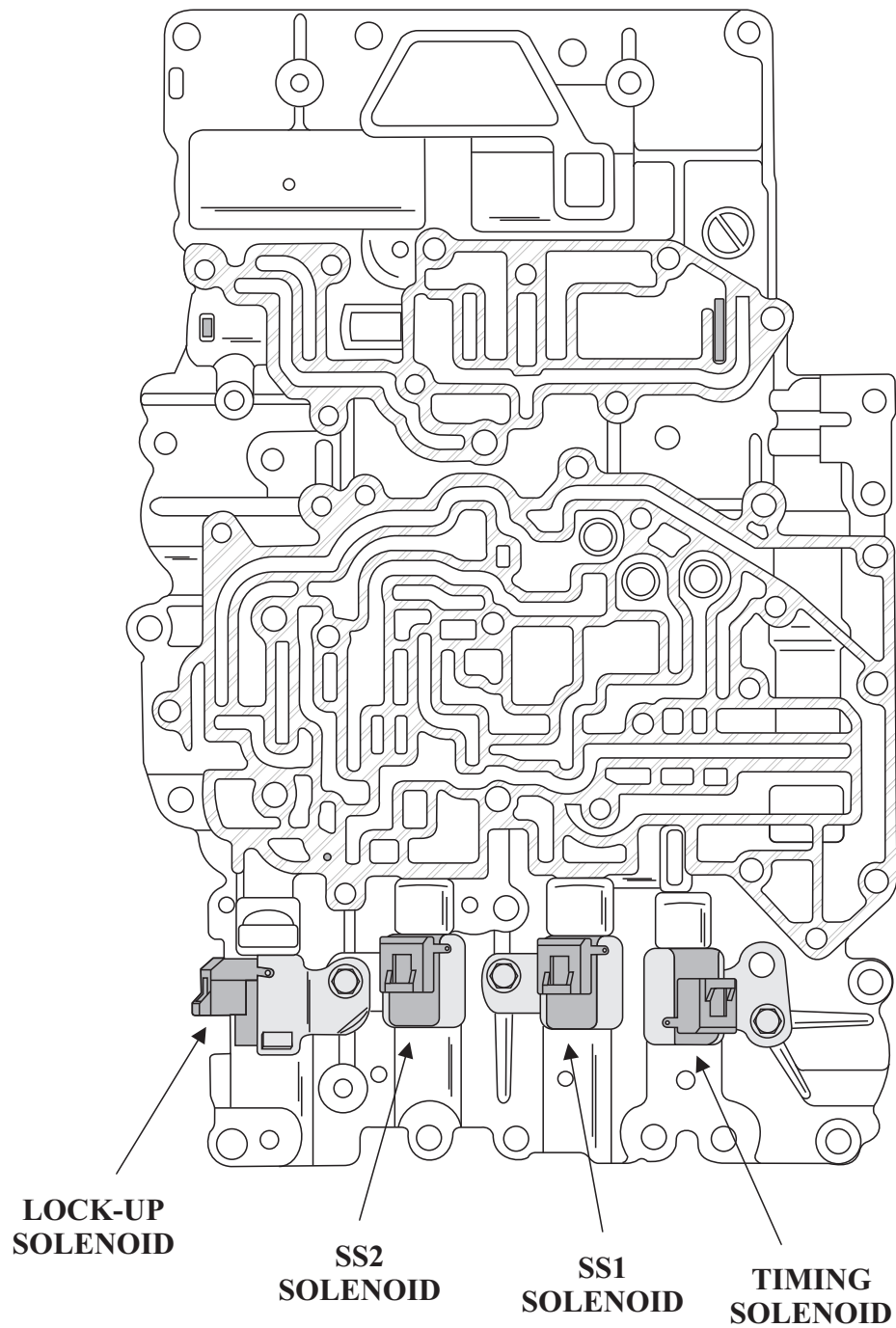
- | | |
|--------------------------------|---|
| 38. LOWER VALVE BODY | 54. LOCK-UP CONTROL VALVE PLUG |
| 39. 2-3 TIMING VALVE SPRING | 55. LOCK-UP CONTROL VALVE SLEEVE* |
| 40. 2-3 TIMING VALVE | 56. LOCK-UP CONTROL VALVE SPRING |
| 41. 2-3 TIMING VALVE PLUG | 57. LOCK-UP CONTROL VALVE SPACERS |
| 42. 2-3 TIMING VALVE SLEEVE | 58. LOCK-UP CONTROL VALVE |
| 43. 1-2 SHIFT VALVE PLUG | 59. CUT BACK VALVE SLEEVE |
| 44. 1-2 SHIFT VALVE | 60. CUTBACK VALVE SPRING |
| 45. 1-2 SHIFT VALVE SPRING | 61. CUTBACK VALVE |
| 46. 1-2 SHIFT VALVE BORE PLUG | 62. CUTBACK VALVE BORE PLUG |
| 47. 3-4 SHIFT VALVE PLUG | 63. PRIMARY REGULATOR VALVE |
| 48. 3-4 SHIFT VALVE | 64. PRIMARY REGULATOR VALVE SPACERS |
| 49. 3-4 SHIFT VALVE SPRING | 65. PRIMARY REGULATOR VALVE SPRING SEAT |
| 50. 3-4 SHIFT VALVE BORE PLUG | 66. PRIMARY REGULATOR VALVE SPRING |
| 51. CO EXHAUST VALVE SPRING | 67. PRIMARY REGULATOR BOOST VALVE |
| 52. CO EXHAUST VALVE | 68. PRIMARY REGULATOR BOOST SLEEVE |
| 53. CO EXHAUST VALVE BORE PLUG | 69. MANUAL VALVE |

***A broken Lock-Up Control Valve Sleeve will jam the Lock-Up causing the engine to stall in gear.**

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Figure 4

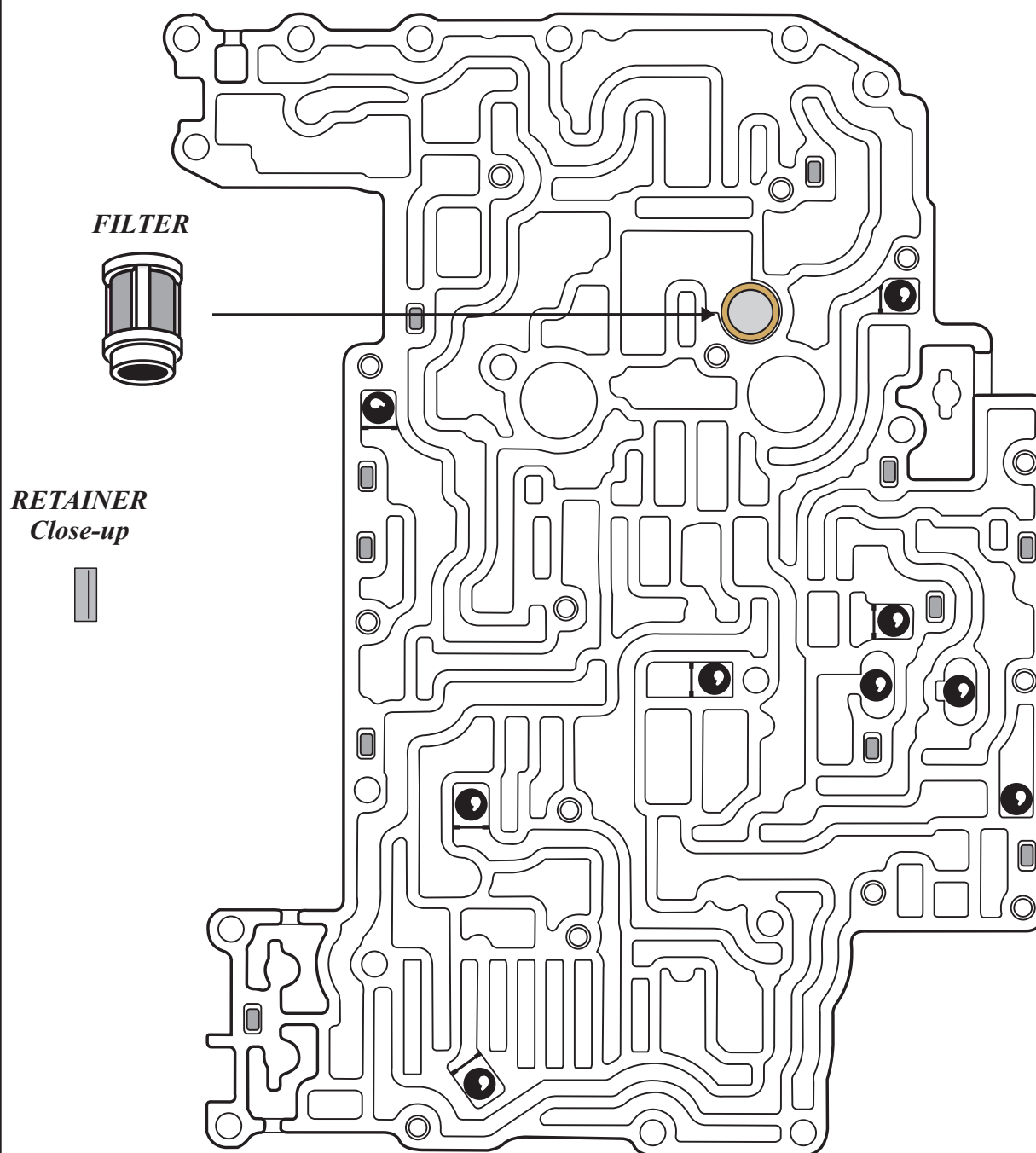
SOLENOID IDENTIFICATION



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Figure 5

UPPER VALVE BODY CHECKBALL LOCATIONS



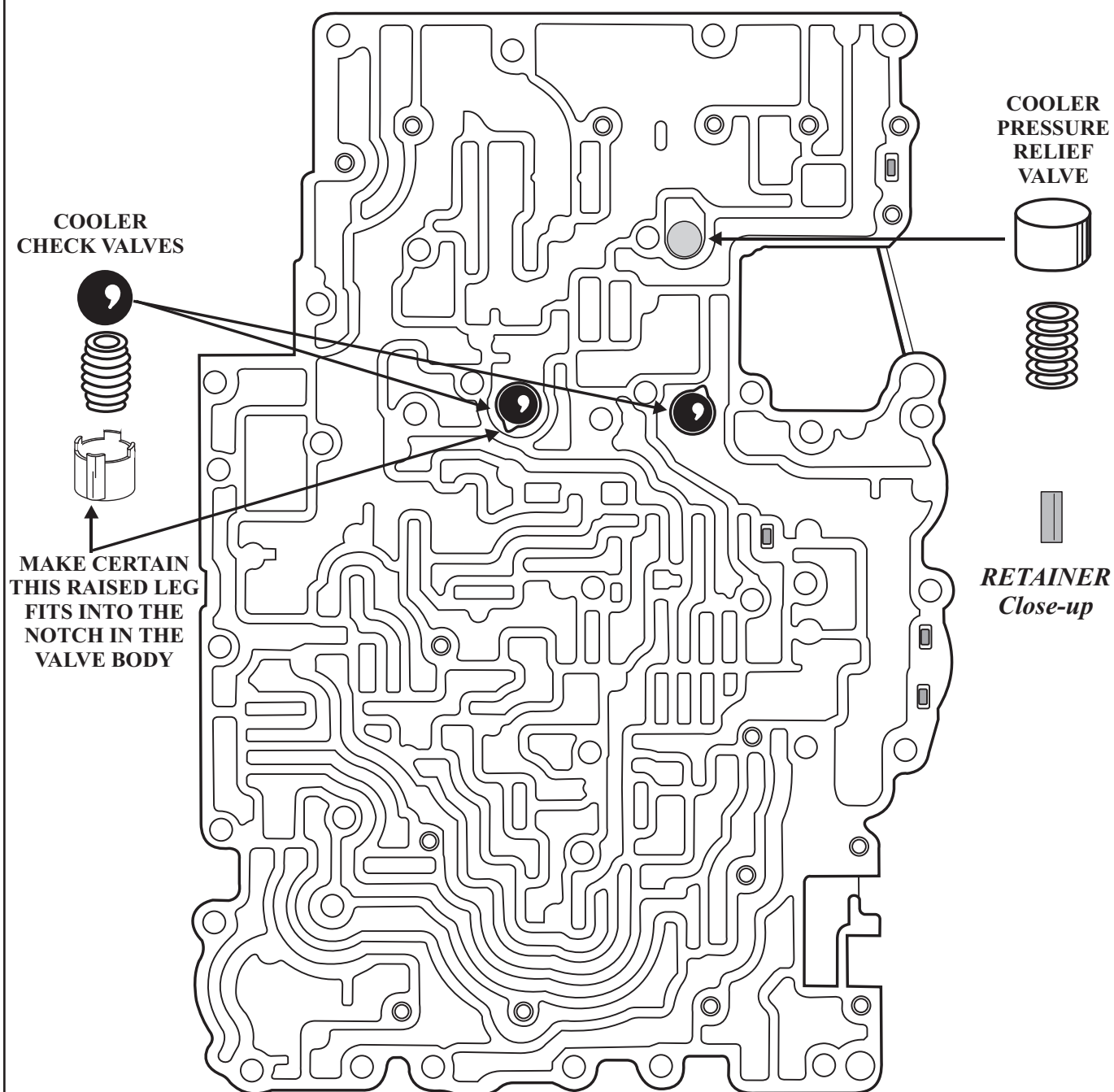
THE UPPER VALVE BODY HAS NINE 6.35MM (.250") STEEL CHECKBALLS

NOTE: RETAINER LOCATIONS ARE HIGHLIGHTED IN GREY

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Figure 6

LOWER VALVEBODY CHECKVALVE LOCATIONS



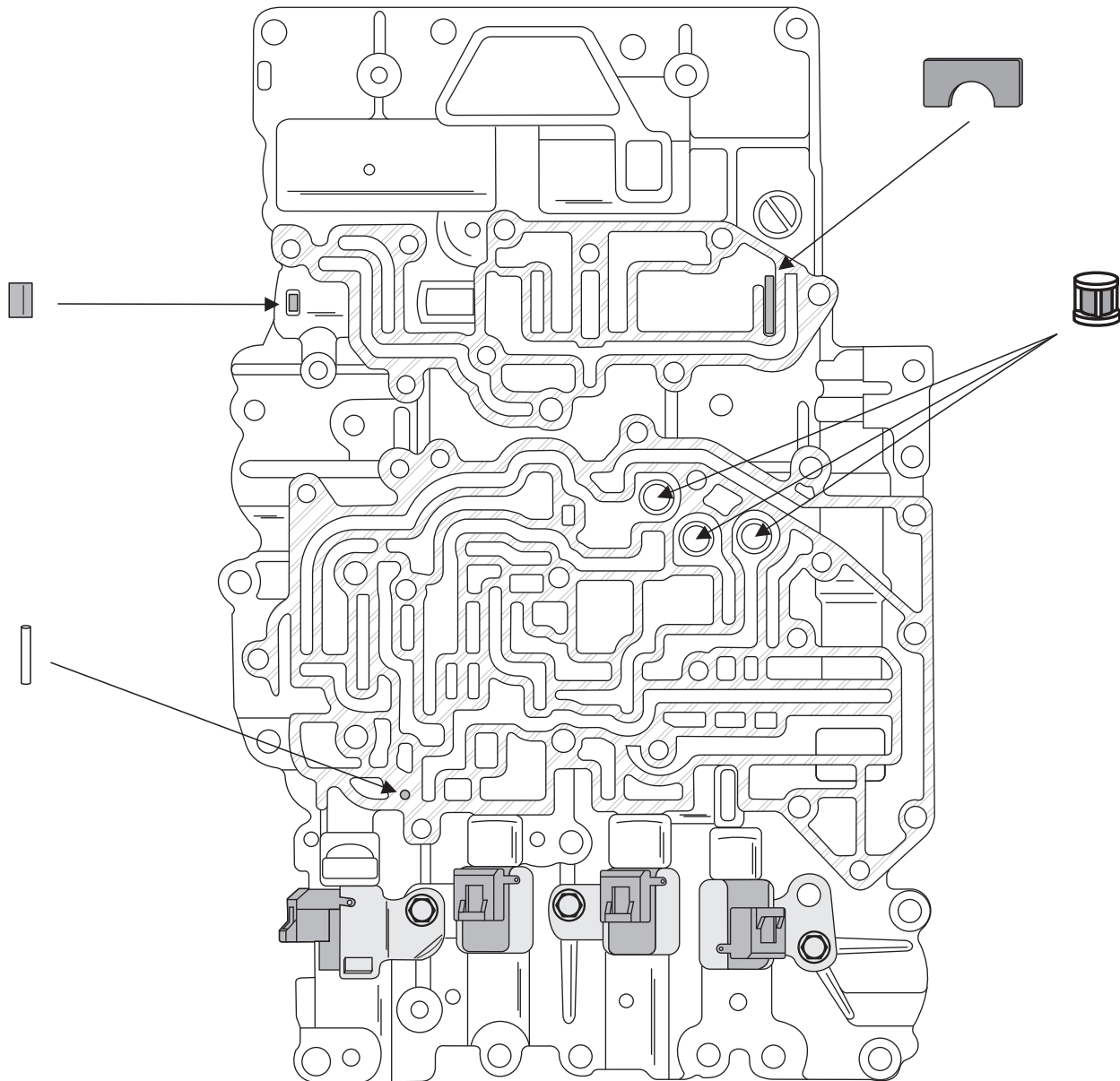
THE LOWER VALVE BODY HAS TWO 10.00MM (.394") STEEL CHECKBALLS ON BARREL SPRINGS AND CAPSULES

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NOTE: RETAINER LOCATIONS ARE HIGHLIGHTED IN GREY

Figure 7

LOWER VALVEBODY (*Pan Side*) RETAINER AND FILTER LOCATIONS



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Figure 8