

## BMW ZF-5HP-18 "BIND-UP" WITH SELECTOR IN MANUAL "2" POSITION, 1st GEAR

**COMPLAINT:** Before or after overhaul, vehicles equipped with ZF-5HP-18, may exhibit a "Bind-Up" condition in the Manual "2" position, 1st gear.

**CAUSE:** The cause may be, the plastic "D" Clutch One-way Check Valve assembly located in the Lower Rear valve body, shown in Figure 2, may be broken allowing the "B" Clutch (Reverse Input Clutch) to be on while the "D" Clutch (Low/Reverse Clutch) is on in 1st gear.

**CORRECTION:** Replace the "D" Clutch One-way Check Valve assembly, as shown in Figure 1, with a new assembly from ZF, or a new "Aluminum" check valve assembly offered by:  
*Mario Aristides. Phone (305) 666-3544 or Fax (305) 666-8238.*

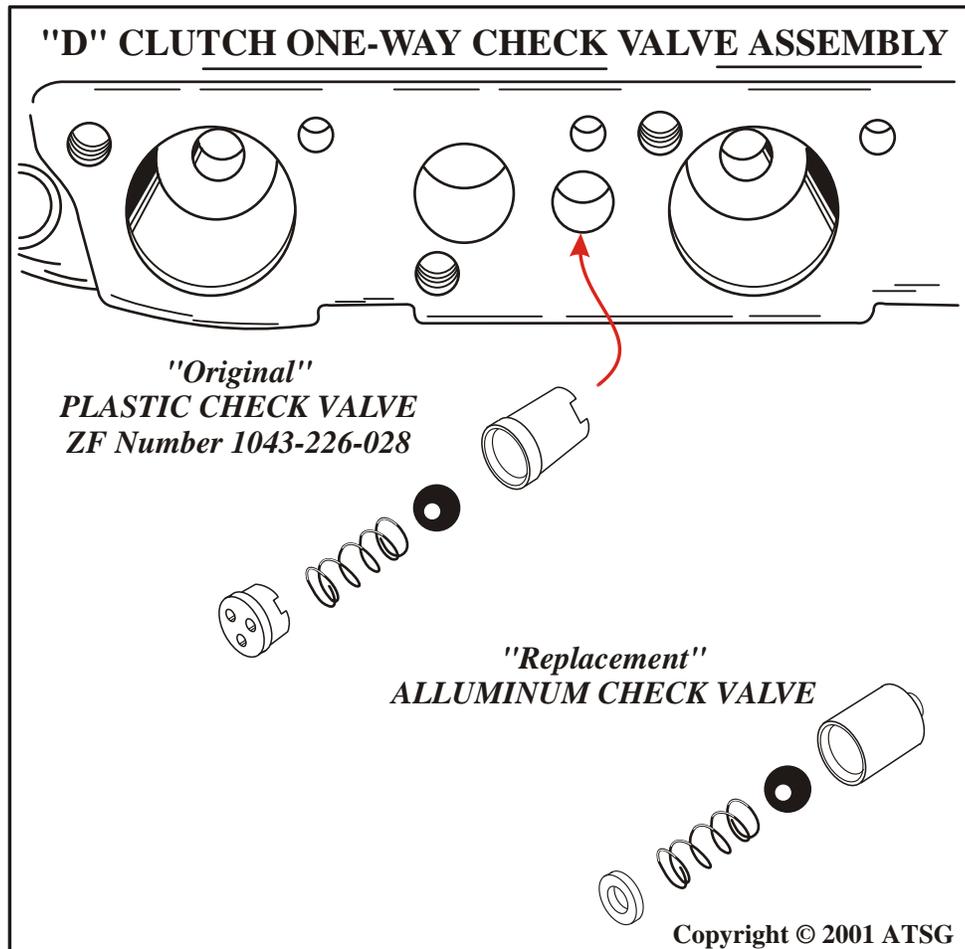
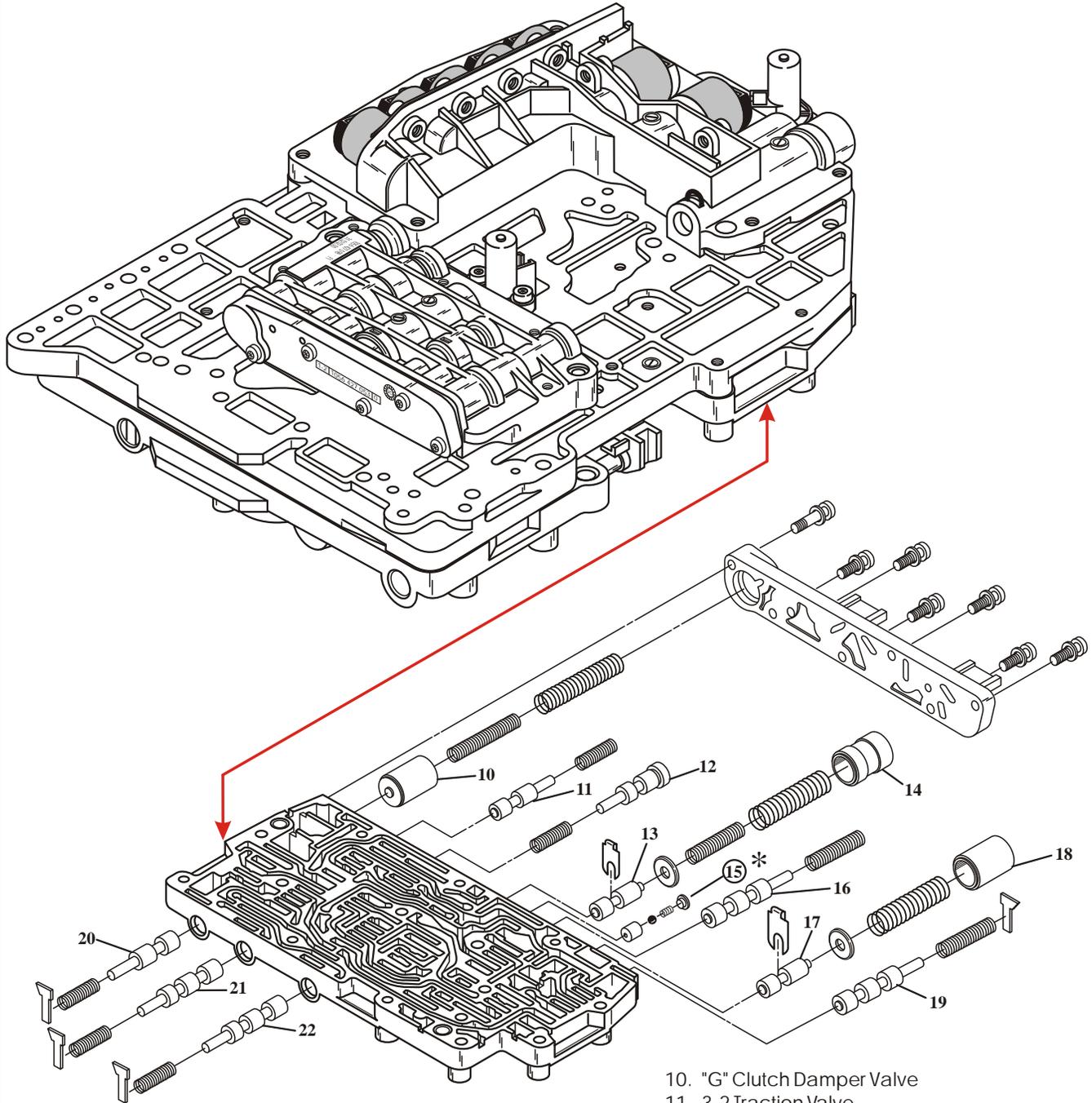


Figure 1

## LOWER REAR VALVE BODY



- 10. "G" Clutch Damper Valve
- 11. 3-2 Traction Valve
- 12. 2-3 Traction Valve
- 13. "D" Clutch Accumulator Regulator Valve
- 14. "D" Clutch Damper Valve
- \* 15. "D" Clutch One-Way Check Valve Assembly
- 16. Reverse Lock-Out Valve
- 17. "F" Clutch Accumulator Regulator Valve
- 18. "F" Clutch Damper Valve
- 19. Shift Valve Number 2
- 20. Pressure Reduction Valve For MV 1 thru MV 6
- 21. Traction Coast Valve Number 2
- 22. Traction Coast Valve Number 1

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Figure 2