

Bulletin BES 02-03

Subject: Diagnosing a sinking brake pedal on Teves 20 Anti Lock Brake System (ABS) Equipped, Import and Domestic Vehicles

Vehicle Involved: 1997-1999 Dodge Caravan, Plymouth Voyager, Town & Country,
1997-1999 Jeep Cherokee, Jeep Grand Cherokee
1998-1999 Chrysler Concorde, Sebring Convertible
1999 LHS, 300M
1998-1999 Dodge Neon, Stratus
1998-1999 Plymouth Breeze, Cirrus
1998-2000 Volkswagen Beetle
1998-2000 Volkswagen Cabrio, Golf, GTI, Jetta
1996-1997 Volvo 850

Condition: The Teves 20 anti lock braking system incorporates accumulator test ports. Two black plugs seal the accumulator chambers, permitting easy test access.

Repair Procedure: Technicians should confirm that the base brake system has no leaks or air in the system. Review bulletin **BES 00-06** for low brake pedal isolation procedures. Technicians may then test the ABS hydraulic modulator accumulator function. Locate the two black accumulator plugs. See Fig. 1 below. Remove the small rubber plugs, (approximately ½ inch in diameter). Insert a paper clip into the access hole. Have an assistant start the engine and then apply the brake pedal. If the paper clip moves, the dump valve is stuck open allowing brake fluid to bypass into the spring-loaded accumulator(s). See Fig. 2 below. Test both accumulator pistons for movement. If either accumulator piston moves or leaks fluid out, the hydraulic modulator is defective.

Fig. 1



Fig. 2

