Section G1

Introduction

Chapter G Part 1 covers the components for the two independently power operated braking systems the height control system and the mechanically operated parking brake, fitted to Silver Shadow II Bentley T2, Silver Wraith, Corniche and Camargue cars with serial numbers prior to 50 000.

These cars use conventional synthetic brake fluid in the hydraulic systems i.e. Castrol RR 363 Brake fluid.

The braking systems consist of two independent circuits, 'System 1' operating the front road wheels front brake calipers and the upper cylinders of the rear road wheel brake calipers, 'System 2' operating the front road wheels rear brake calipers and the lower cylinders of the rear road wheel brake calipers. All wheels are fitted with disc brakes.

Pressure for the system is supplied by two hydraulic accumulators which are charged by engine operated hydraulic pumps. The hydraulic pump situated in front of the engine air inlet manifold supplies fluid to the accumulator on the right-hand side of the engine (No1 System) and the hydraulic pump situated at the rear of the engine supplies fluid to the accumulator situated on the left-hand side of the engine (No.2 System). This accumulator also supplies pressurised fluid to the height control system. This system is operated by two height control valves situated on the rear suspension crossmember. These valves control the amount of pressurised fluid passed to the hydraulic rams, positioned on top of each rear road spring.

The mechanical parking brake is hand operated on right-hand drive cars. On left-hand drive cars the parking brake is applied by a foot operated pedal and released by a hand lever. Both types of brake operate two additional brake pads onto each rear brake disc.

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