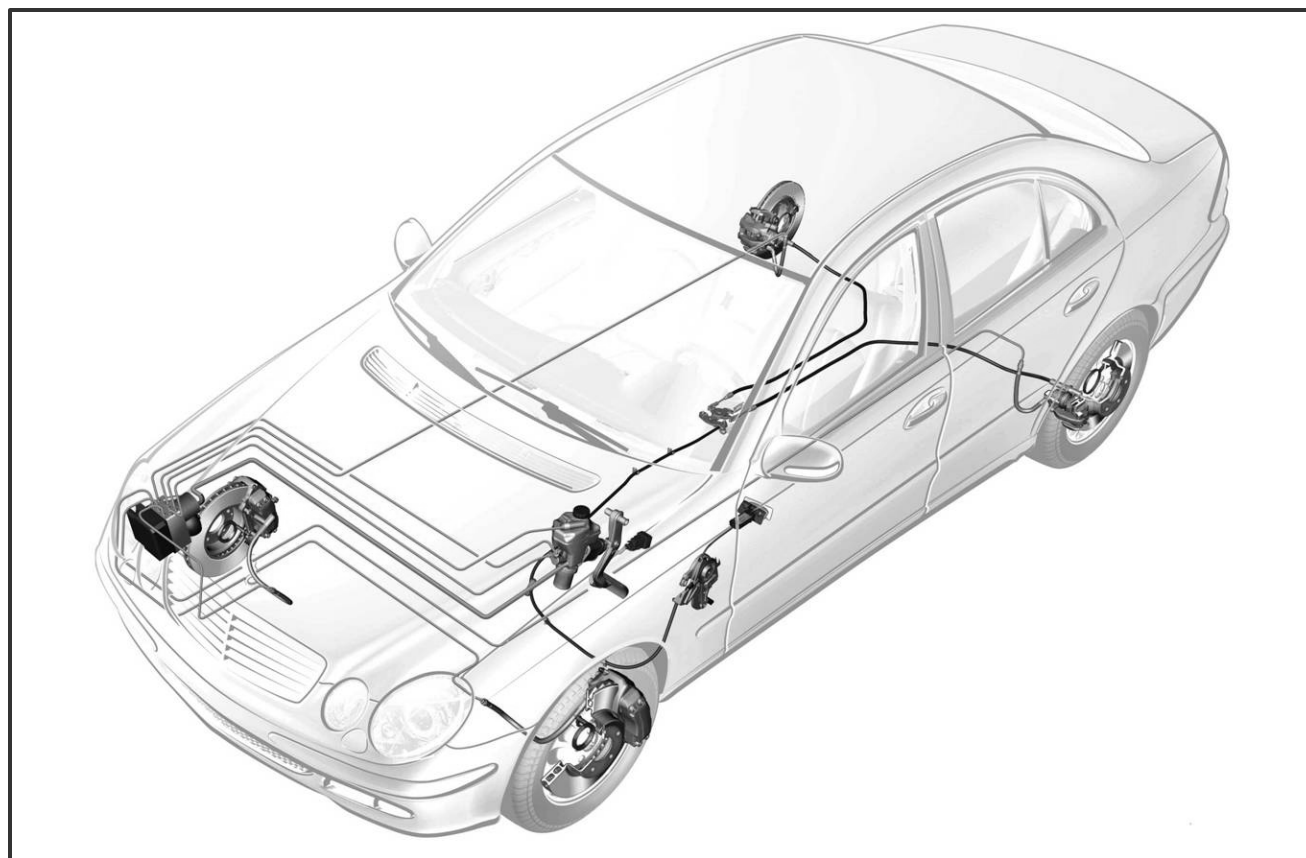




Mercedes-Benz

Sensotronic Brake Control (SBC)



R230 and W211: Starting MY2003

Objectives

At the end of this presentation, you should be able to:

1. Explain the function of and purpose for SBC
2. Describe the customer interface with SBC
3. List the hydraulic and electronic components used for SBC
4. Describe how the “normal” feel of the brake pedal is maintained
5. Explain emergency operation of the SBC braking system
6. Describe “temperature compensation”
7. Explain “Deactivation” and describe when it is necessary to do it
8. “Activate” the SBC system
9. Locate tools and the proper procedure for bleeding brakes

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SBC Incorporates these Functions:

ABS (Anti lock Brakes 1984)

- + ASR (Automatic Slip Regulation 1991)
- + ETS (Electronic Traction System 1995)
- + ESP (Electronic Stability Program 1996)
- + BAS (Brake Assist System 1998)

Advantages of SBC

- Improves metering of required brake pressure
 - each wheel can be precisely controlled
- Improved BAS function
 - monitors release of accelerator pedal and application of brake
 - maximum pressure available immediately
 - pre-filling of system (overcoming play)
 - when the BAS function is anticipated, slight pressure is applied