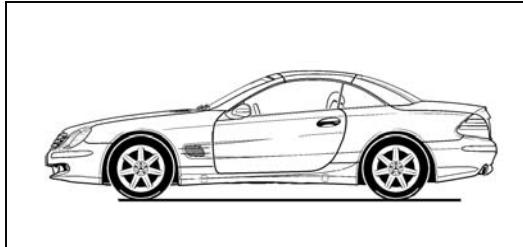




Mercedes-Benz

Name _____



Skill Module Number: 4-1

Subject: SBC Familiarization.

Objective:

- At the conclusion of the module you will be able to explain the operation of the SBC brakes.

Vehicle and tools required:

- R230 Vehicle

Required material:

- SBC presentation

Instructions:

1. Follow the instructions and answer the questions.
2. Ask your instructor if assistance is needed.
3. Stop at Instructor checkpoints for sign-off.

1. The SBC control module wakes up whenever you open a door, operate the remote central locking system, or depress the brake pedal.
 2. Does the instrument cluster display a message that it has performed the above operation? _____
 3. Depress the brake pedal with the engine off. Does it feel like a normal brake pedal? _____
 4. Depress the brake pedal several times with the engine running. Does it feel like a normal brake pedal? _____
 5. Shut off engine.
 6. Depress the brake pedal several times slowly. Do you hear a noise? _____
 7. The noise that you hear is the SBC high-pressure charge pump charging the SBC accumulator.
 8. Ask the instructor to disconnect the SBC control unit (A7/3).
 9. Are there any warnings in the instrument cluster? _____
 10. Depress the brake pedal several times with the engine off. Does it feel like a normal brake pedal? _____
 11. Reconnect the SBC control unit. Start the engine, are there any SBC related warnings displayed in the instrument cluster? _____
 12. Examine the "Brake Operating Unit".
 13. What type of brake fluid is used? _____
 14. Is there a brake booster? _____
- Instructor checkpoint.** _____

15. Note the differences between a SBC brake fluid reservoir and a non-SBC reservoir.

- a. _____
- b. _____
- c. Return brake line on top of brake fluid reservoir (Note: When you release the brake pedal this is how the brake fluid is returned to the brake fluid reservoir).

If you have noticed any parts that need to be replaced on this vehicle, please inform your instructor now.

Instructor check point _____