



Skill Module Number:

5

Subject: Climate Control

Objective:

At the conclusion of this module you will be able to locate actual values and other climate control information using SDS.

Vehicle and tools required:

- SDS with DAS simulation

Required material:

- 163 2002 Model Year Book

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. Using the SDS unit, go into AAC using the DAS simulator. Go into control unit version. Who is the supplier of N22 for MB? _____
2. Under control unit versions, can you access A32n1? _____ What is the MB number of this unit? _____
3. Under fault codes, are there any fault codes listed? _____
4. Enter on B1003.
 - A. What component are you checking? _____
 - B. What should the voltage supply be for this sensor? _____ Volts.
5. Under actual values, "AC control," how many items do you have listed? _____
 Select B10/7. Where is this component located? _____

6. Under actual values, M2/6, can you see the position of the motor? _____.
 If so, can you enter select further testing? _____
7. Under actuations, how many positioning motors are shown? _____
8. When activating the a/c compressor, what sensor can be seen on the same screen? _____
9. Under activating of A32m1, can you read the current consumption? _____
10. Under control unit adaptations, how many coding changes can be made? _____
11. Does control unit adaptation offer a place for changing the recirculated air flap coding? _____
12. Under complete list of fault codes, is a fault code shown for the A/C bus? _____
 If so, what is the code? _____

13. Enter into B1300, what should the voltage be? _____ Volts
14. Under complete list of guided test.
- A. What should the voltage be for M2/12? _____ Volts
 - B. Where is this voltage measured? _____
 - C. If the value is not okay, what do you test next? _____

15. What is another control unit that can be used to activate and see actual values for the AAC system? _____
16. Can the engine coolant temperature be seen from the AAM? _____
17. How is information received by the AAM? _____
18. Which control unit supplies the engine coolant value to AAM? _____

(If module was performed on a vehicle.)

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

Instructor check point _____