



**Module Number:**

4-1

**Subject:** AIRSCARF

**Objective:**

At the conclusion of this module, you will be able to:

- Explain operation of the AIRSCARF
- Navigate through AIRSCARF with SDS
- Enter actual values for AIRSCARF with SDS
- Diagnose AIRSCARF with SDS

**Vehicle and tools required:**

- SLK R171 equipped with AIRSCARF
- Fluke multimeter
- SDS

**Required material:**

- Classroom presentation
- Module 4-1

**Instructions:**

1. Follow the instructions and answer the questions.
2. Ask your instructor if assistance is needed.
3. Stop at “**Instructor check point** \_\_\_\_\_” for signature.

**AIRSCARF**

1. Enter the vehicle

2. Activate AIRSCARF

3. How long of a delay prior to operation?

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4. Why is there a delay?

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5. What level was achieved upon activation?

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6. How many levels are available?

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7. Is the AIRSCARF vent adjustable?

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8. How long will AIRSCARF remain in the high setting?

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9. Shut off the system

10. How long does the fan continue to operate after turning system off?

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11. Why did the fan continue to run?

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12. Connect SDS to vehicle

13. Enter into control unit groups

14. Select seats and doors

15. Select HS – seat heater

16. What screen appears after selecting seat heater?

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17. Why did the above screen appear?

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18. Select no

19. Do you have any actual values for the AIRSCARF?

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20. Back up and enter into HS – seat heater.

21. Select yes.

22. Enter into actual values, what are the actual values?

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23. Exit actual values and enter into actuations.

24. What are the choices in actuations?

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25. Enter into right head area ventilation.

26. What can be actuated for the right head area ventilation?

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27. Actuate different levels and note what occurs

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28. Was actuation okay? Select no

29. How many possible tests are available?

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30. Check component M4/11 (Right AIRSCARF fan motor).

31. What are the test requirements?

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32. Perform test.

33. What was your value?

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34. Select yes if the value is okay.

35. Perform next test.

36. What were the values for:

Stage 3 \_\_\_\_\_

Stage 2 \_\_\_\_\_

Stage 1 \_\_\_\_\_

37. Were the above values okay?

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38. What would the possible cause and remedy be if values were okay?

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39. Run quick test and erase any faults.

**(Use as appropriate)**

Perform a short test on your vehicle, erase all DTCs and then repeat the short test to insure there aren't any permanent faults. Show your instructor the results of your short test.

**Instructor check point** \_\_\_\_\_

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

**Instructor check point** \_\_\_\_\_