



Skill Module Number:

7

Subject: Windows and Mirrors

Objective:

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

- read the actual values for the windows and mirrors
- normalize the windows
- explain how the M-Class recognizes the window position

Vehicle and tools required:

- 2002 M-Class
- SDS / DAS / WIS

Required material:

- 163 Model Year Book for 2002

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. Does a 2002 M-Class have an interior CAN-B? _____
2. Door control modules control the door windows in a 203. Which control unit(s) are responsible for the door window operation in a 2002 M-Class? _____
Which CAN is this control unit(s) on? _____
3. Using SDS, go into the control unit that you listed in question 2. Can this control unit store fault codes? _____ If so, do you have any codes stored? _____
4. Can you check the window switch operation from the control unit in question 2? _____ If so, can you go directly into a test step from actual values like with other systems? _____
5. What is the window position reading for the left front window when all the way down? _____ When all the way up? _____
6. Using the intro book, do the window motors have hall sensors? _____
7. With SDS, can you normalize the windows? _____
8. If you were trying to normalize a window and the window stopped half way, would SDS show a problem with that window? _____ Try stopping (be careful) a window during the process and see.
9. Can the windows be de-normalized with SDS? _____
10. Can you move the window up and down under actuations? _____
11. Can the mirrors be moved through their motions in actuations? _____
12. Can memory positions be seen in SDS for mirrors in the LCP? _____ If so, are they stored in the LCP? _____
13. Can you activate a memory position using SDS for the mirrors? _____

14. What is N72/2? _____ What actual values from N72/2 can be accessed from the LCP? _____

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 _____