Mercedes-Benz

Name _____

	Skill Module Number: **2.1**
	Subject: Flashing and SCN Coding

Objective:

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

- Describe flashing and SCN coding

- Operate SDS unit to perform flashing and SCN coding

Vehicle and tools required:

- Model 220, 215, or 211
- SDS equipment
- SDflash Release CD
- NetStar

Required material:

- Handout material from classroom

Instructions:

1. Follow the instructions and answer the questions.
2. Ask your instructor if assistance is needed.
3. Stop at all instructor check points

Flashing of Control Unit

We will flash an AGW N93/1 for practice. Normally we would not try to flash a control unit without being directed to do so. (DTB, TAC, EDAC, etc…)

1. Connect battery charger to vehicle to insure proper voltage during flashing.
2. Connect SDS to vehicle and enter "Control Unit Groups" and then enter into "Information and Communications".
3. Enter "Audio, Video, Navigation, and Telematics".
4. Enter "AGW".
5. Next select "Initial Startup".
6. Next select "Control Module Programming."
7. Continue by selecting "SD Release CD".
8. With flash SDflash Release CD in place continue to follow the steps. Pease be careful not to scratch CDs.
9. What message did you get?

   _____

   _____

10. Exit out of AGW.

🛑   **Instructor check point _____**

SCN Coding

Like the above exercise, this practice is to insure that you can perform SCN coding.
Do not flash the control unit in this exercise, if flashing does take place, part number of control unit will change making for a delay in getting a new SCN coding.

1. With SDS enter into ME-SFI (N3/10) and then enter "Control Unit Adaptations".
2. Next select "Version Coding".
3. Continue with F2.
4. Next enter into "SCN Coding".
5. Select "Determine Vehicle Data for SCN Coding".

6. What is the MB code number (control unit number) listed?

   _____

7. The above information would be needed to get SCN coding to match the vehicle and control unit.

8. Back out to "SCN coding" and enter "Read coding".

9. What is listed for "Engine". _____

10. The above information is the list of version coding in ME. The SCN code string affects this list.

11. Go back to "SCN coding" and enter "Perform SCN coding".

12. Can anything be seen at this time in the "Coding string" blocks? ☐ YES ☐ NO

13. Next enter the following code string, SCN, and test digit into the blocks and press "Yes".

Code string: 3C 84 71 83 26 35 6C FB 55 0C 3B CC 22 42 86 26 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

SCN: 113 153 6069 15 0010

Test : 60 58 5C 6C

14. What message appeared?

   _____

   _____

   _____

   _____

15. Based on the vehicle, the instructor will now supply the SCN coding for this vehicle. Enter in all the numbers including the zeros, be sure to leave unused blocks blank and then answer "Yes".

16. Was the process completed successfully? ☐ YES ☐ NO

17. If not successful, retry entering SCN coding. If still not successful, see instructor.

18. DAS is already active, do not try to reactivate.

19. Back out of ME and disconnect SDS from vehicle. Remove SDflash release CD from SDS unit and carefully place WIS / DAS disc back in drive.

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

Instructor check point _____