



Mercedes-Benz

Name _____



Skill Module Number: 8-1

Subject: Keyless Go

Objective:

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

- Describe locking and unlocking Keyless Go possibilities
- Operate Keyless Go on Models 209 & 211
- Perform actual value checks of locking and unlocking switches
- Perform actuation of door opening assist motors

Vehicle and tools required:

- Model 209 or 211 with KG system
- SDS equipment

Required material:

- Handout material for KG

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.

KG locking and unlocking

1. Set the SmartKey to “Selective” unlocking mode.
2. Lock the vehicle.
3. Perform Keyless unlocking at the driver’s door.
4. Describe what has unlocked: _____
5. Describe what the door did when you unlocked it: _____
6. Lock the vehicle.
7. Perform Keyless unlocking at the front passenger door.
8. Describe what has unlocked: _____
9. Did the passenger door do the same thing as the driver’s door did in step 5? ____
10. Set the SmartKey to “Global” unlocking mode.
11. Lock the car.
12. Perform Keyless unlocking at the trunk.
13. Was vehicle unlocked “Globally”? _____
14. Place the key in the trunk and close the trunk lid.
15. Describe what happens: _____
16. Remove the key from the trunk and lay it on the windshield against the wiper blade. Close the trunk lid while observing the instrument cluster display.
Explain: _____
17. Hold key outside a door or trunk lid and close trunk.
18. Describe what happens: _____
19. During Keyless unlocking, the system will send a request to the key and the key will respond. If the key doesn’t receive the request, then it won’t respond. Move the key to various locations while attempting to unlock the trunk. Which antenna(s) make the request to the key during a Keyless unlocking at the trunk?

20. Have someone stand on the left side of the car while holding the key. Attempt to unlock using a door handle on the right side. Does car unlock? _____

21. Unlock the vehicle “globally”, and then open and shut a door.
22. Hold the key outside of the front passenger door and have someone attempt to lock at the driver’s door handle button. Without moving the key, try to lock at the trunk button. Explain: _____

Instructor check point _____

Keyless Ignition and Starting

1. Sit in the vehicle with the key. (Make sure this key is the only one in the car) Shut the door, hold the key outside the door, but don’t press the brake pedal. Press the start button on the gearshift lever once or twice. Does the ignition switch on? _____
2. Move the key to a position inside the car. How many times do you have to press the start button to power up circuit 15 (ignition ON)? _____
3. Can you turn the ignition on with the key located in the back seat? _____
4. Can the engine be started when the key is located in the trunk? _____

Warning Messages

1. Perform a keyless unlocking of vehicle, and then open the driver’s door.
2. What message is displayed in the instrument cluster display? _____
3. Is there an audible warning? _____
4. Does the message change when the key is placed within the vehicle? _____
5. Does the audible warning stop? _____

Keyless window operation

1. Open one or more windows
2. Can a keyless “convenience” closing of the window(s) be done? _____
3. Close all windows and wait 10 seconds before proceeding.
4. Can a “keyless” summer opening of windows be done? _____
5. Can “summer opening” be done via SmartKey infrared? _____

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

Instructor check point _____