



Mercedes-Benz

Name \_\_\_\_\_



**Skill Module Number: 1-2**

**Subject: Component Location**

**Objective:**

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

- Locate electrical components on the vehicle.
- Locate CAN connectors on the vehicle.

**Vehicle and tools required:**

- W211 (E500 with appropriate panels removed)
- Flashlight

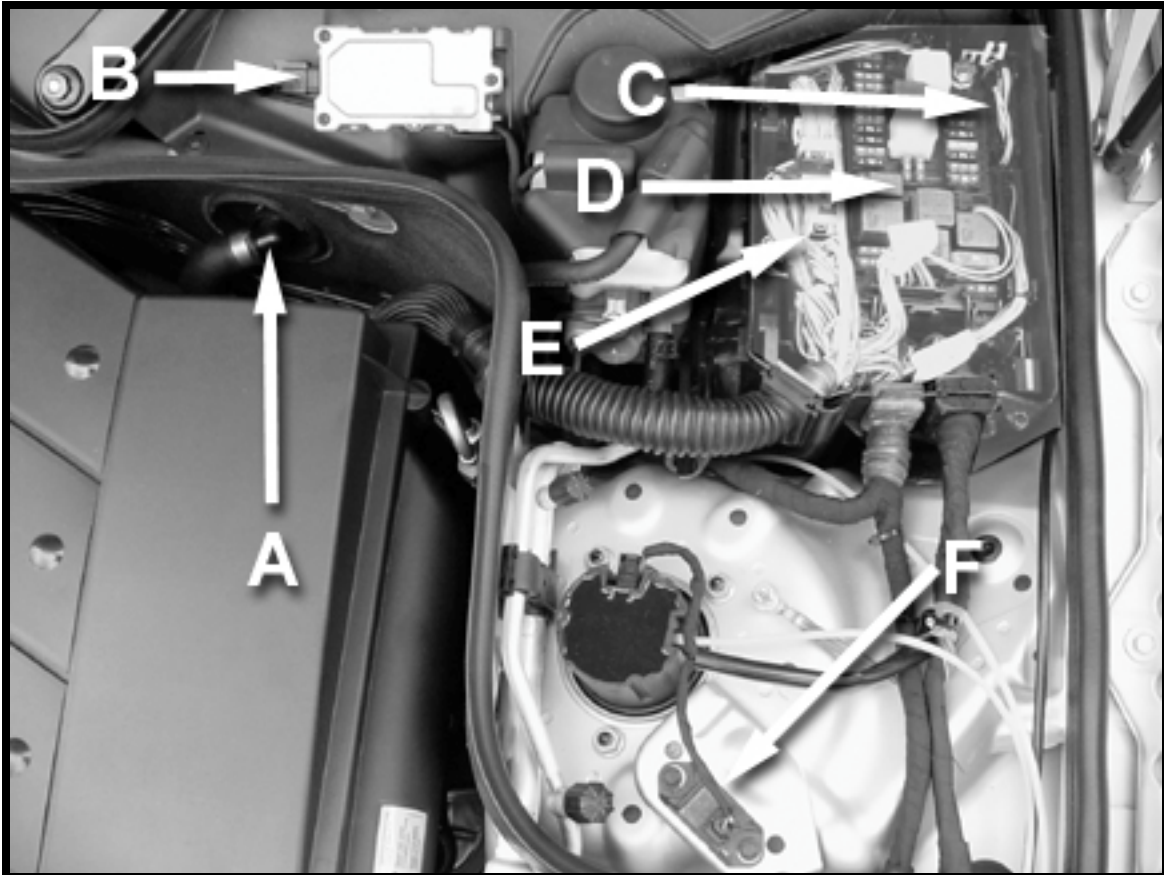
**Required material:**

**Instructions:**

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

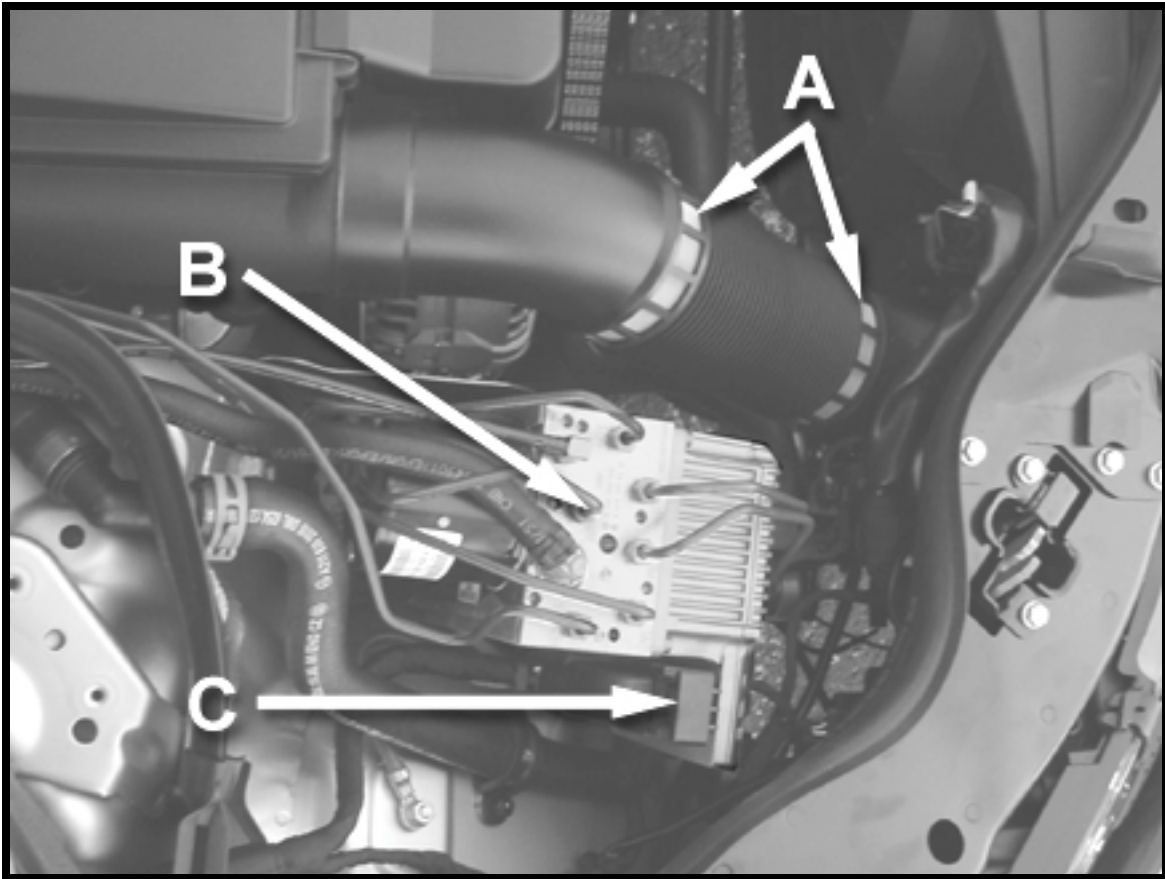
On the following pages, you'll locate components on the vehicle. Match the callouts on the photos to the labeled components on the vehicle. The location areas of the components are indicated above each picture.

### Left Rear of Engine Compartment



- A. ( \_\_\_\_\_ ) Heat exchanger shut-off motor
- B. ( \_\_\_\_\_ ) Multi-function sensor
- C. ( \_\_\_\_\_ ) ESP, SPS and BAS control module
- D. ( \_\_\_\_\_ ) Driver-side signal acquisition and actuation module (SAM)
- E. ( \_\_\_\_\_ ) ME-SFI control module
- F. ( \_\_\_\_\_ ) Body acceleration sensor

Right Front of Engine Compartment

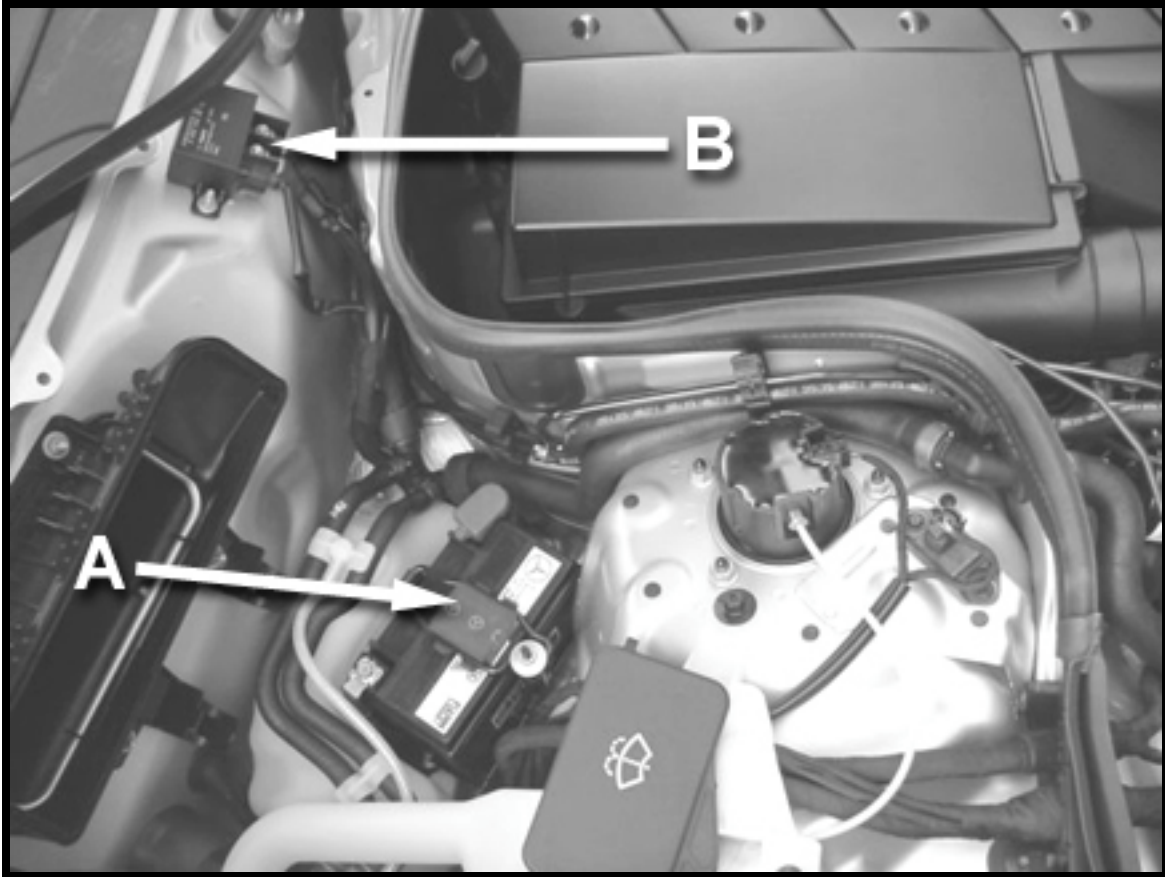


A. Filter screens – only on the E320

B. (                      ) Sensotronic Brake Control (SBC) hydraulic unit

C. (                      ) Sensotronic Brake Control (SBC) control module

Right Rear of Engine Compartment



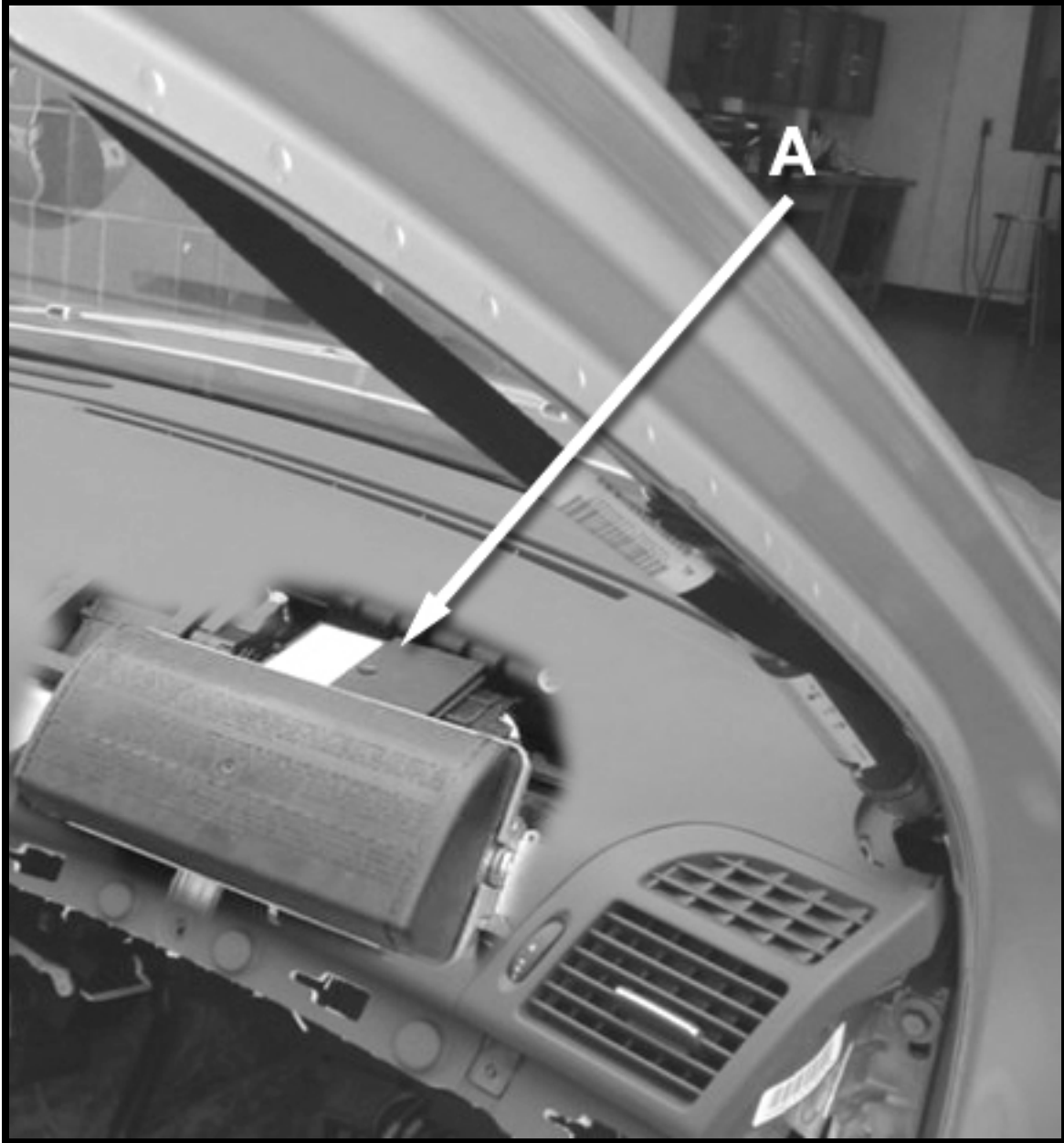
A. ( \_\_\_\_\_ ) Auxiliary battery

B. ( \_\_\_\_\_ ) Auxiliary battery relay

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Under Dash – Right

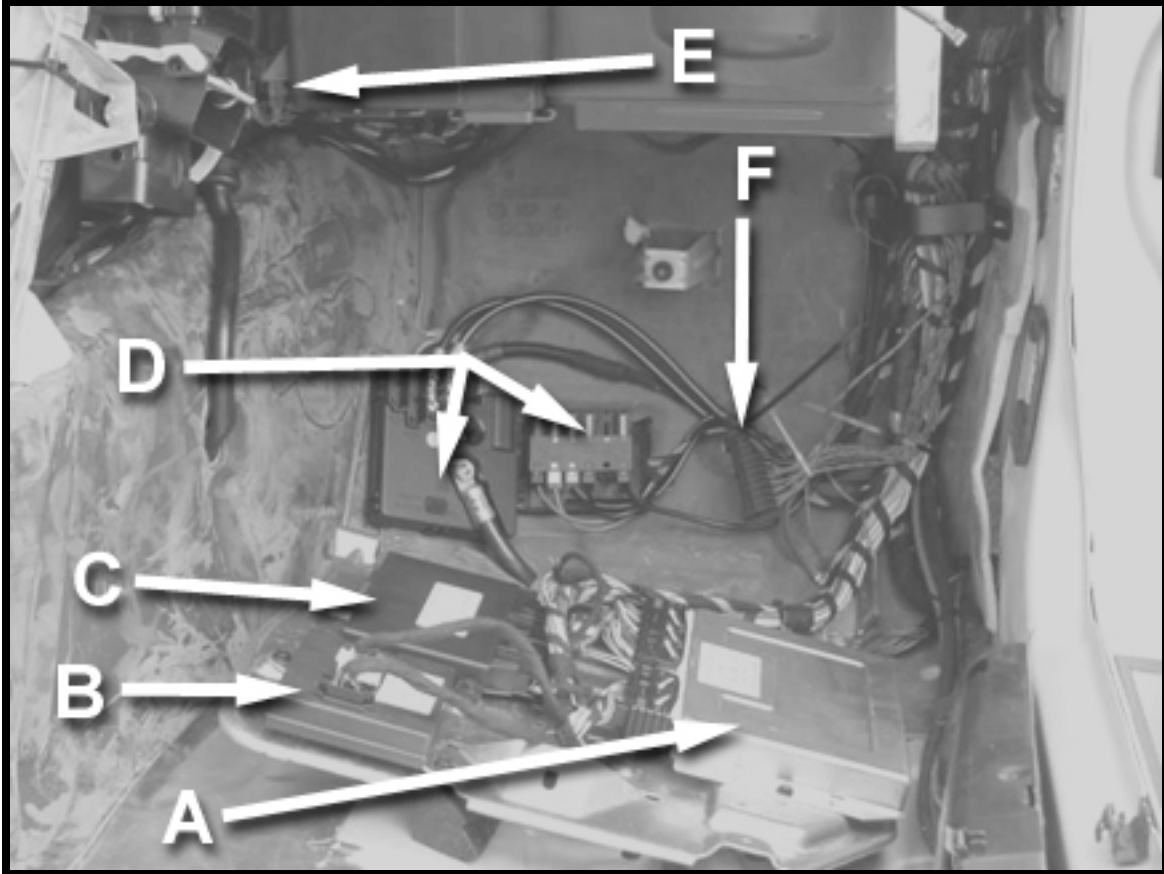
NOTE: This photo illustrates the location of the component, which is located underneath the dash pad.



A. ( \_\_\_\_\_ ) Solar generator control module

## Passenger Footwell Area

NOTE: This photo has been taken by unbolting and folding down a false floor in the passenger footwell. In addition, carpet and glove box have been removed.



A. ( \_\_\_\_\_ ) Semi-active air suspension control module (only location)

B. ( \_\_\_\_\_ ) Passenger side SAM

C. ( \_\_\_\_\_ ) Transmission control module

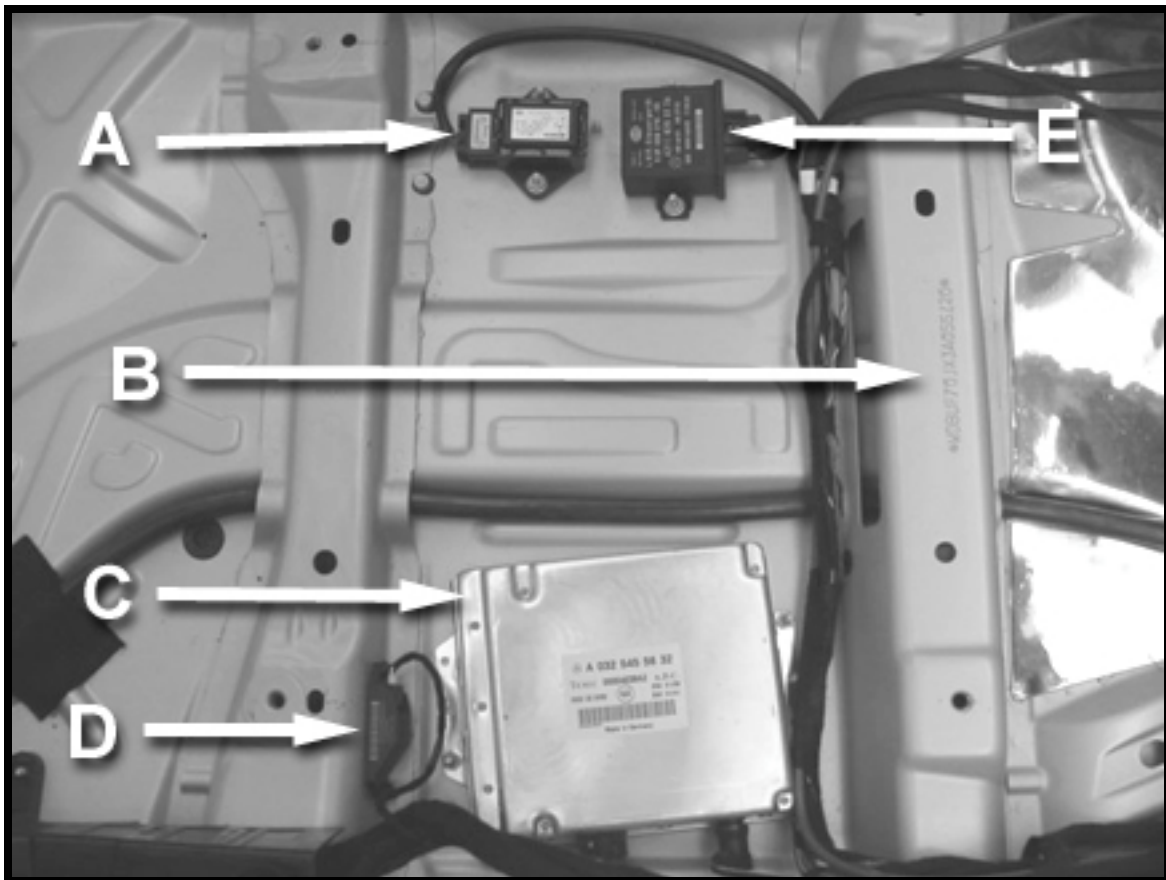
D. ( \_\_\_\_\_ ) Front pre-fuse box

E. ( \_\_\_\_\_ ) Cockpit CAN B connector

F. ( \_\_\_\_\_ ) Right CAN B connector

## Passenger Seat Area

Fold the carpet back to view the labeled components.



A ( \_\_\_\_\_ ) Yaw and lateral acceleration sensor

B. \_\_\_\_\_ Location of vehicle identification number stamping

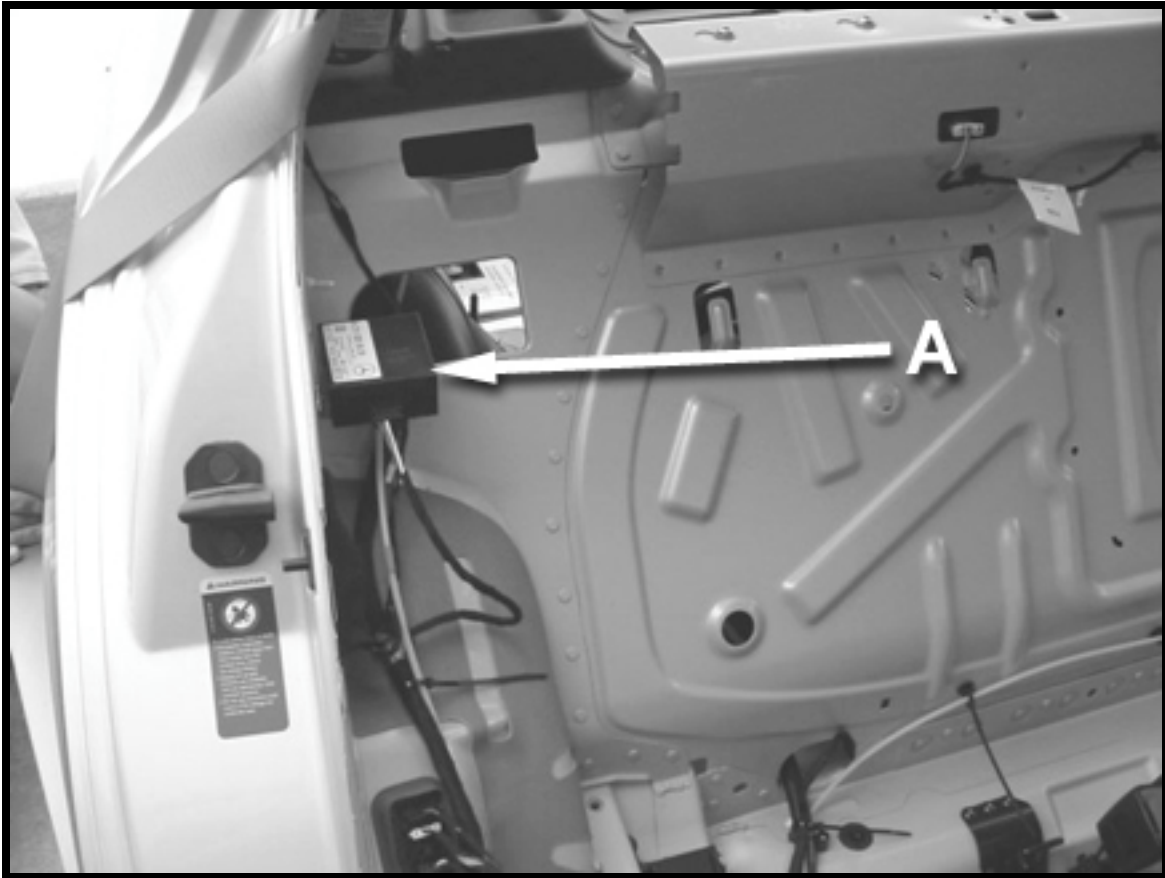
C. ( \_\_\_\_\_ ) Distronic control module

D. ( \_\_\_\_\_ ) Right side crash sensor

E. ( \_\_\_\_\_ ) Headlamp range adjustment



Right Seat Back Area

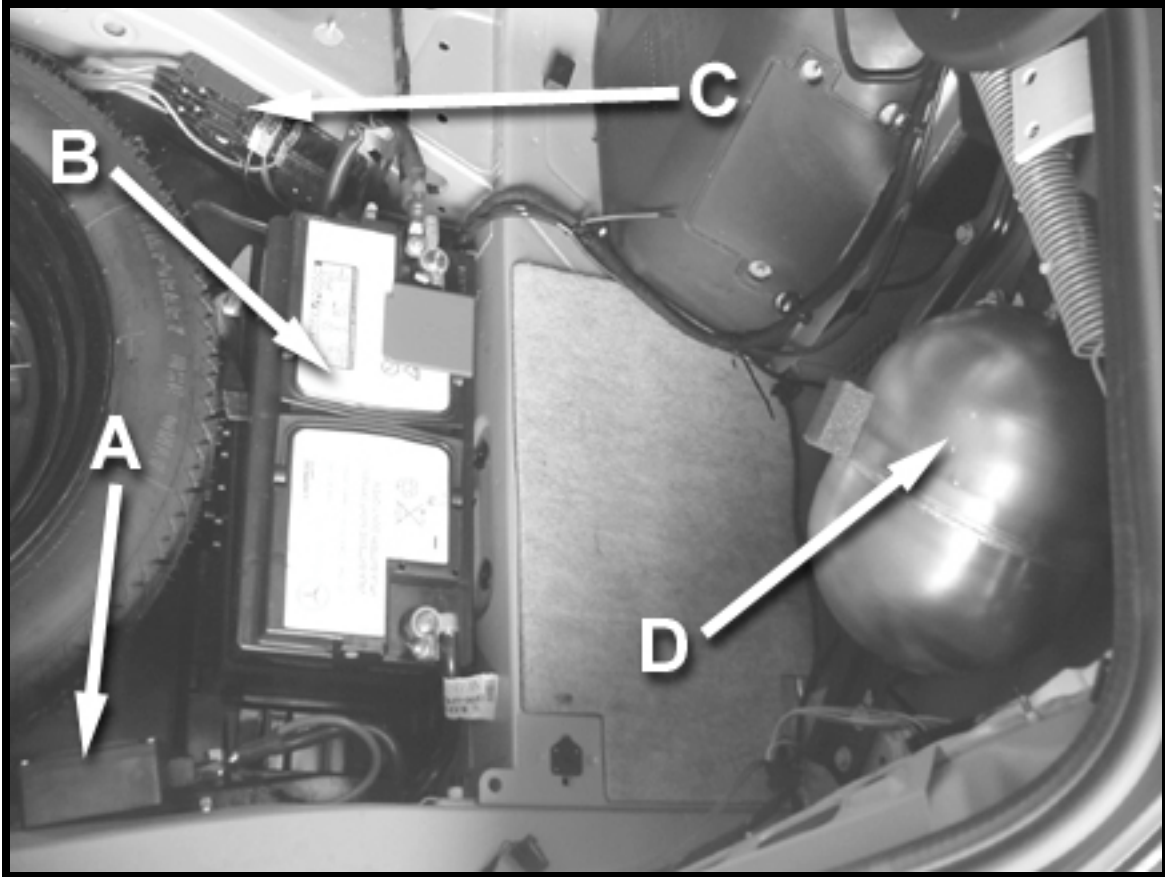


A. ( \_\_\_\_\_ ) Tow sensor

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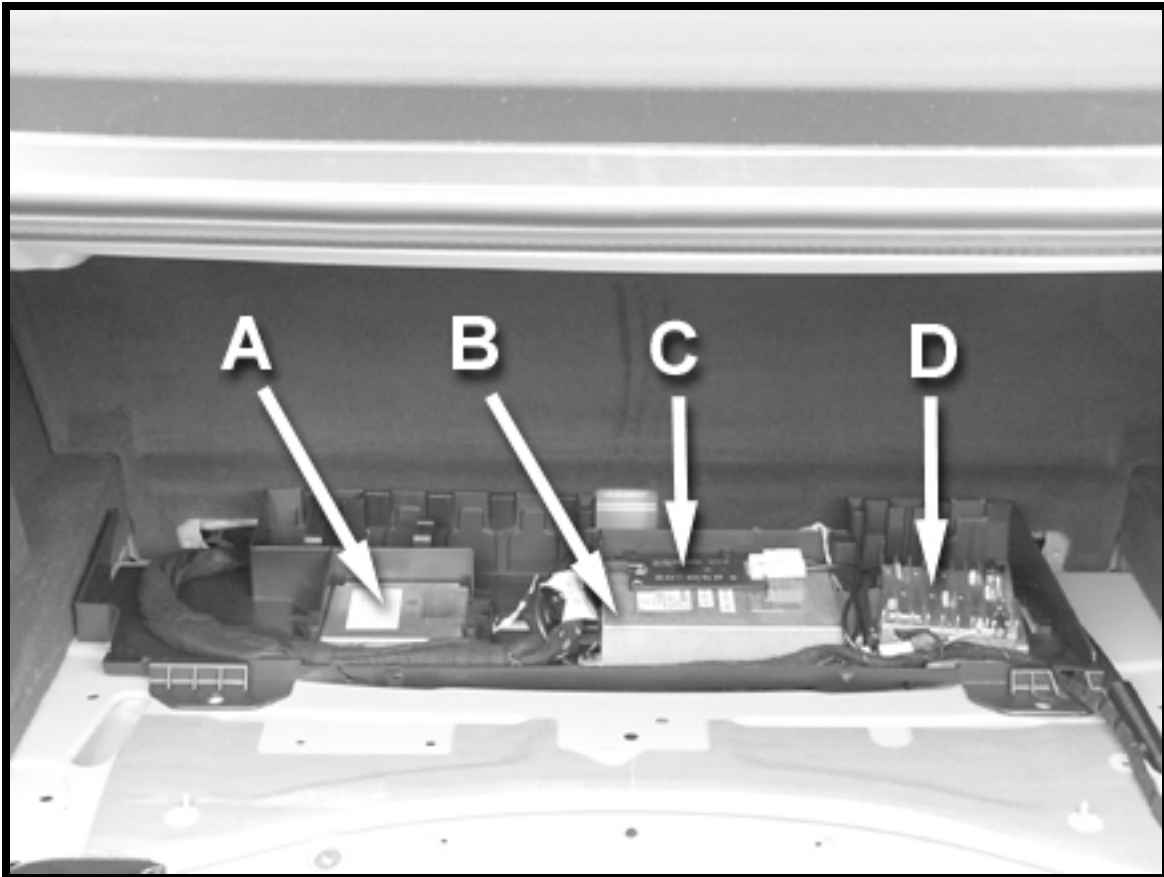


Right Side of Trunk Area



- A. ( \_\_\_\_\_ ) Battery control module
- B. ( \_\_\_\_\_ ) Systems battery
- C. ( \_\_\_\_\_ ) Rear pre-fuse box
- D. \_\_\_\_\_ Semi-active air suspension pressure reservoir

Center Area of Trunk



A. ( \_\_\_\_\_ ) Microphone control module (AKG) (standard equip.) \_\_\_\_\_

OR

( \_\_\_\_\_ ) Voice recognition control module (Temic) (optional equip.) \_\_\_\_\_

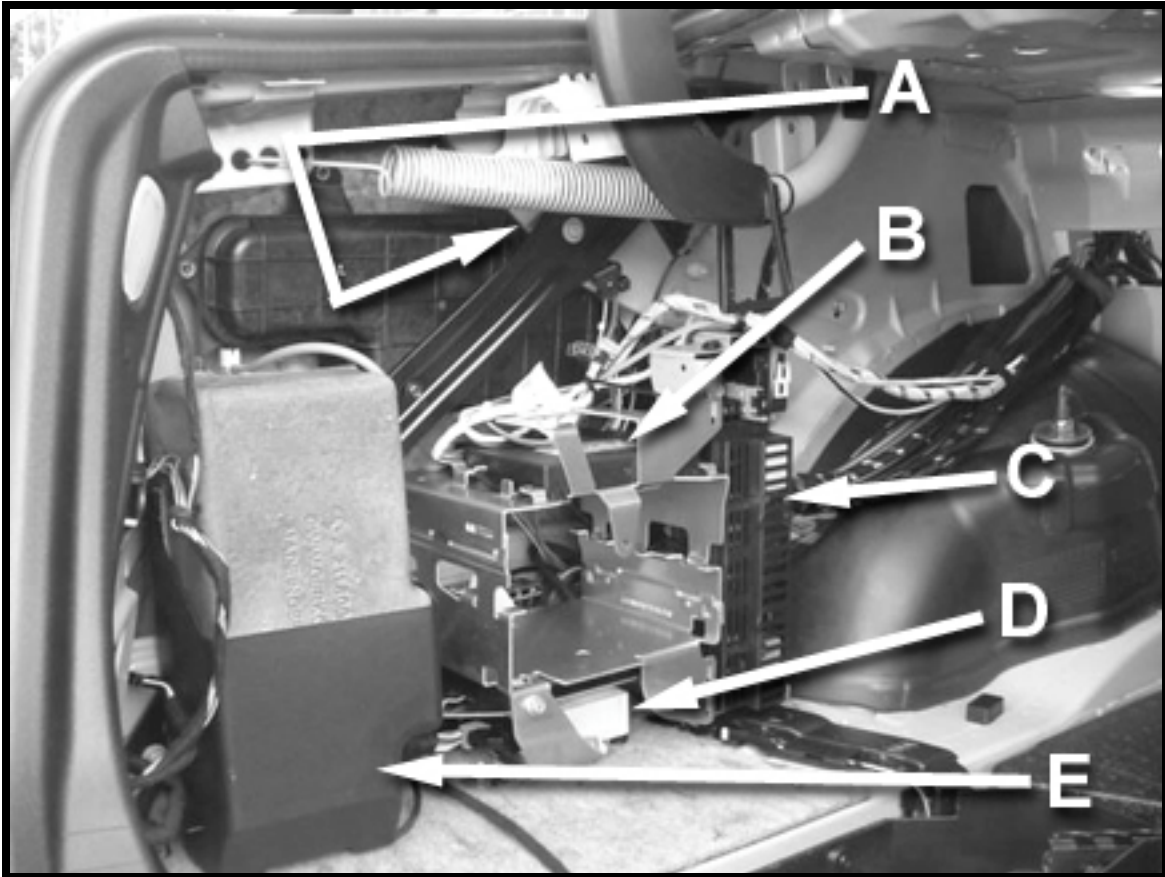
B. ( \_\_\_\_\_ ) Communications platform control module (CP) \_\_\_\_\_

C. ( \_\_\_\_\_ ) Telephone antenna splitter \_\_\_\_\_

D. ( \_\_\_\_\_ ) Linear compensator \_\_\_\_\_

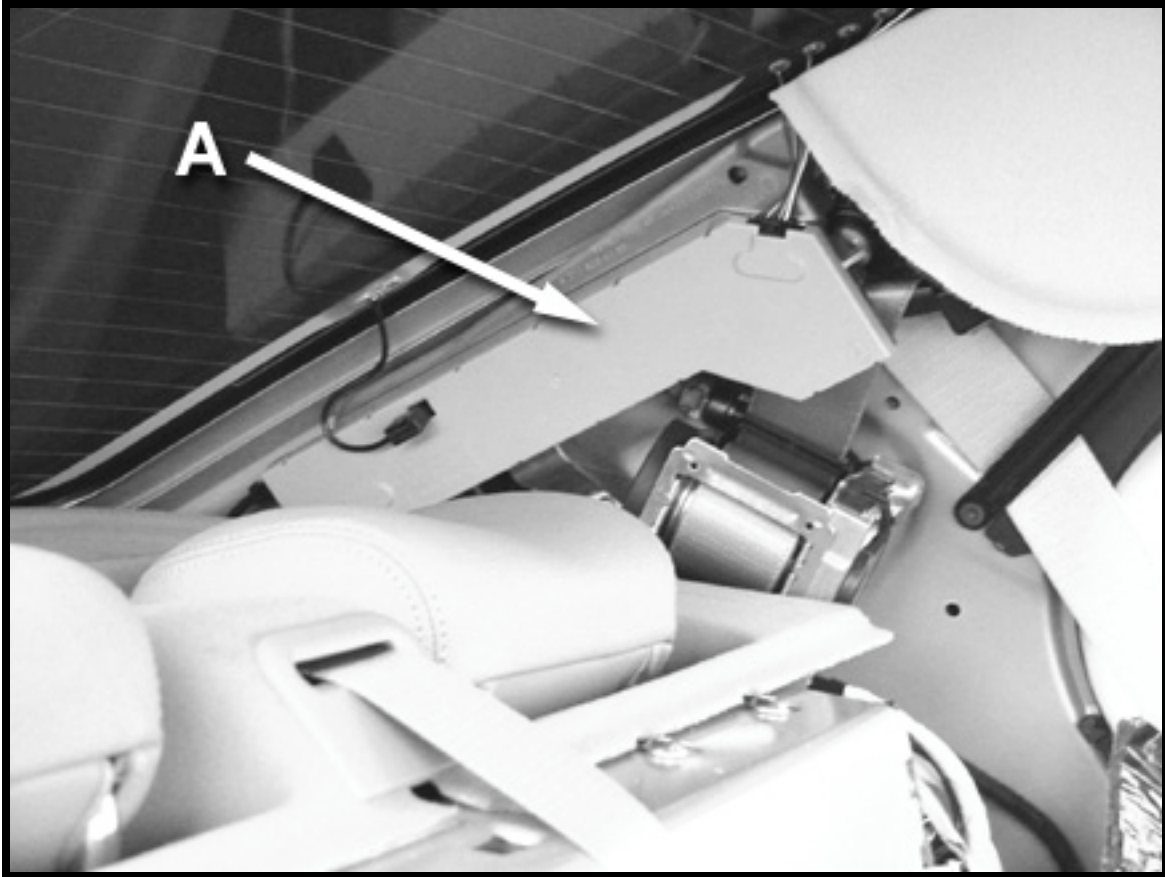
Left Area of Trunk

NOTE: Item "A" listed below is located behind the trunk spring.



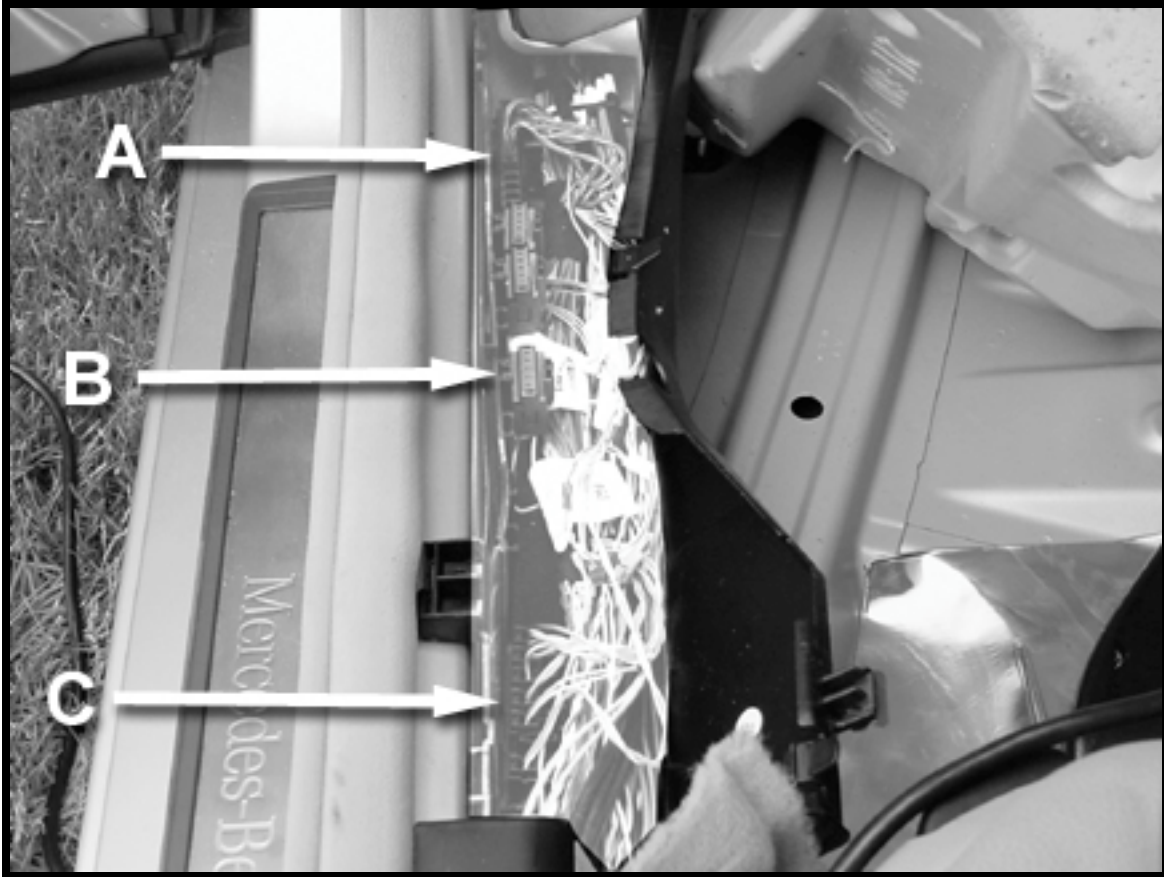
- A. ( \_\_\_\_\_ ) Audio Gateway (AGW)
- B. ( \_\_\_\_\_ ) Parktronic control module
- C. ( \_\_\_\_\_ ) Rear signal acquisition and actuation module
- D. ( \_\_\_\_\_ ) Tire pressure monitoring control module
- E. ( \_\_\_\_\_ ) Pneumatic pump for dynamic seat control

Left C-Pillar Area



A. ( ) Left antenna amplifier module

Left Door Sill Area



- A. ( \_\_\_\_\_ ) Left CAN B connector (brown/red wire) \_\_\_\_\_
- B. ( \_\_\_\_\_ ) MOST connector (pink wire / electrical wake-up line) \_\_\_\_\_
- C. ( \_\_\_\_\_ ) Engine CAN C connector (green/white wire) \_\_\_\_\_

Under Dash – Left

NOTE: This photo illustrates the location of the component, which is located underneath the dash pad.



A. ( \_\_\_\_\_ ) DC / DC converter for Heated Steering Wheel

Left Bottom Area of Dash



A. ( \_\_\_\_\_ ) Fuse box

B. ( \_\_\_\_\_ ) Central Gateway (CGW) control module

NOTE: The fuse chart is located in the fuse box shown above.

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

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