

Meat&Doria **31852**
Hoffer Products **3100852**



FOCUS

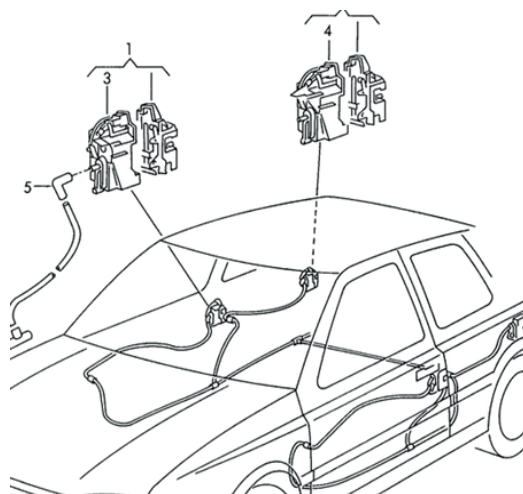
Door lockers



The system

Central locking is an **electronic mechanism** that enables the doors and trunk of a vehicle to be opened and closed using a remote control button, typically powered by a battery within the key fob.

In some vehicles, special **proximity sensors** are installed, allowing the doors to unlock automatically as the driver approaches, **eliminating the need to use the remote.**



What is the purpose of the central locking system?

The primary purpose of the central locking system is to **enhance convenience** by eliminating the need for the car owner to insert a key to operate the doors.

Additionally, **it enables the simultaneous locking or unlocking of all doors**, something that would be impractical to do manually.





Why is central locking important in a vehicle?

Central locking systems are essential primarily for their **convenience**. Furthermore, they **enhance security by ensuring that doors can be locked easily**. For instance, when children or pets are inside the vehicle, it's crucial to keep the car securely locked for their safety.

How it works

- 1 The central locking system operates through **sensors in the remote control** that transmit electronic signals to the door locks.
- 2 When the **On** signal (indicated by an open padlock icon on the remote) is activated, **the doors unlock in real time** through the interaction of various components within the door mechanism that execute the necessary command.
- 3 Afterwards, to enter the vehicle, simply open the door. Conversely, when the **Off** control (shown as a sealed padlock) is activated, **the doors lock, securing the vehicle**.



Keyless System Issues and Actuators

After replacing door locks - or confirming that the contacts and mechanics are correctly installed - or in the event of lost keys, it's advisable to **conduct diagnostics to check for errors in the ECU and perform a reset and parameterization of the system**.

For vehicles in the **VAG group**, the ECUs related to the immobilizer system (such as the comfort ECU and engine ECU) **must be programmed online**. However, even after thorough diagnostics, accessing the online instrumentation may require a visit to an authorized workshop.

