

 <b>General Description</b>	 <b>Wiring Diagram</b>
 <b>Components</b>	 <b>Location</b>

### **all versions, Minibus, Van, Panorama, Combi**

ABI control unit (electric window/door lock) M135 manages the vehicle door lock/release system. The control unit is supplied:

- directly from the battery: via a connection between pin 8 connector B of M135 and pin 11 connector B of optional junction unit B101, protected by fuse F38, housed in optional junction unit B101;
- key operation: via a connection between pin 7 connector B of M135 and pin 3 connector C of optional junction unit B002, protected by fuse F35, housed in optional junction unit B002;

Control unit ABI M135 receives and sends the following signals from connector B:

- pin 15 : input from short-circuit junction D097G - pin 6 - of door lock signal;
- pin 16 : input from short-circuit junction D097F - pin 6 - of door lock release signal;
- pin 4 : send door lock release control signal to short-circuit junction D097F - pin 1;
- pin 13 : connection to earth C015.

Short circuit junction D097G manages the door lock signal. The closure control is received at pins 8 and 7 from front door locks N050 and N051 respectively - pin 4 -. Pin 1 receives a door lock signal from control unit ABI M135 that distributes to door locks N051, N050 and N054 respectively from pins 2, 3 and 4.

Short circuit junction D097F manages the door lock release signal. The opening control is received at pins 8 and 7 from front door locks N050 and N051 respectively - pin 3 -. Pin 6 receives a door lock release signal from control unit ABI M135 that distributes to door locks N051, N050 and N054 respectively from pins 2, 3 and 4.

Front door locks N050 and N051 are connected as follows:

- pin 5 : earth connection C020;
- pin 3 : earth signal transmission for door lock;
- pin 4 : earth signal transmission for door lock release;
- pins 1 and 2: door open/close motor power supply.

Double door lock N054 receives a motor control power supply for door opening/closure from short-circuit junctions D097.