



BLOCCAPORTE

244 - Ducato

CENTRAL LOCKING DESCRIPTION

The motors operating the locks on the front doors, sliding side door and rear double doors are operated simultaneously by using:

- the key;
- the front door switches (knobs);
- the remote control.

Lock operation: all doors lock simultaneously when one of the front doors is locked with a key or remote control when all the doors are properly closed.

Lock release operation: the door locks release when one of the two front doors is unlocked using the key or remote control.

This control sequence is controlled by the electric window/door lock control unit.

The system is protected by dedicated fuses housed in the underfacia control unit and optional underfacia junction unit.

CENTRAL LOCKING OPERATIONAL DESCRIPTION

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.

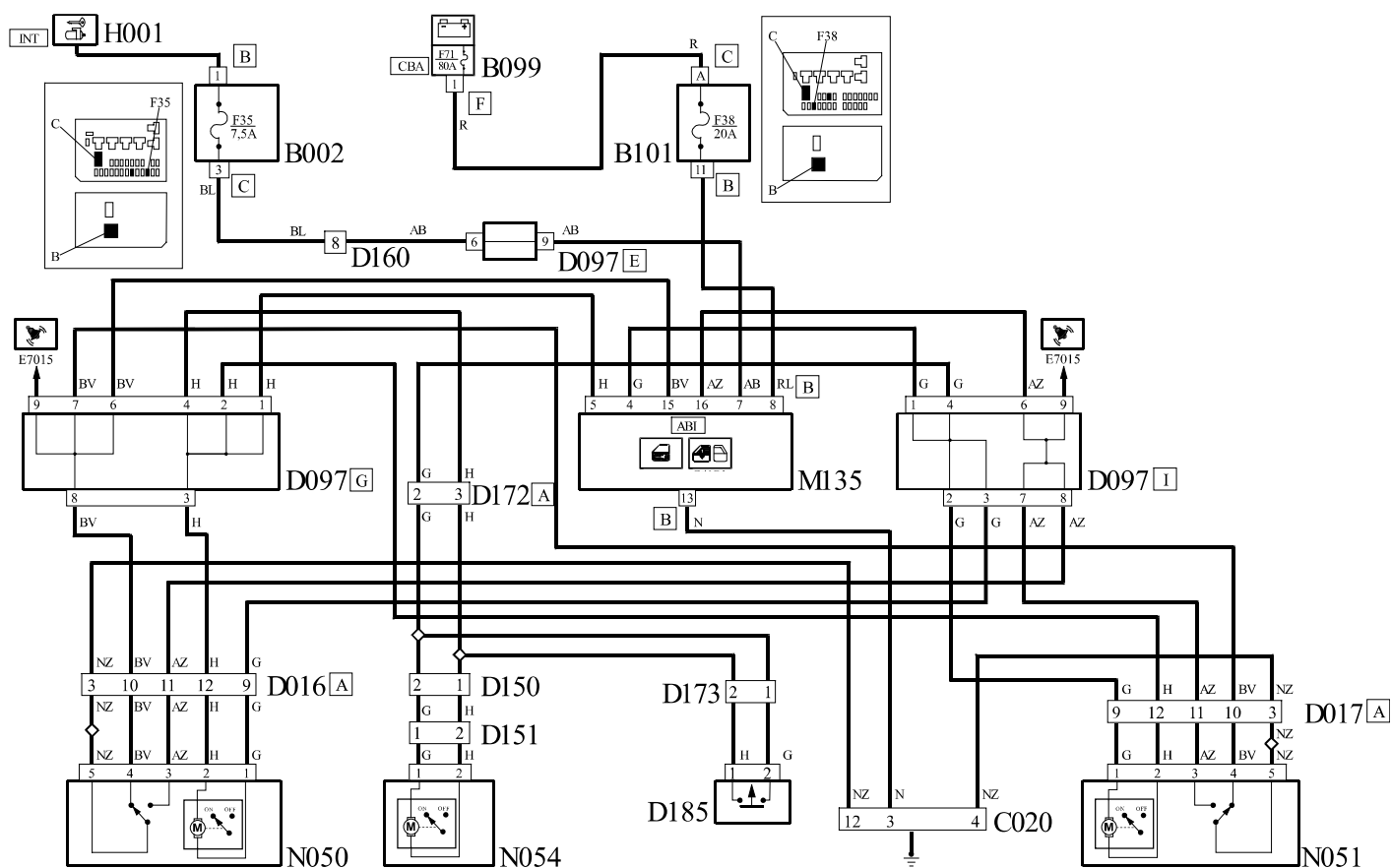
Short circuit junction D097F manages the door lock release signal. The opening control is received at pins 8 and 7 from front door locks N050 and N051 respectively - pin 3 -. Pin 6 receives a door lock release signal from control unit ABI M135 that distributes to door locks N051, N050 and N054 respectively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

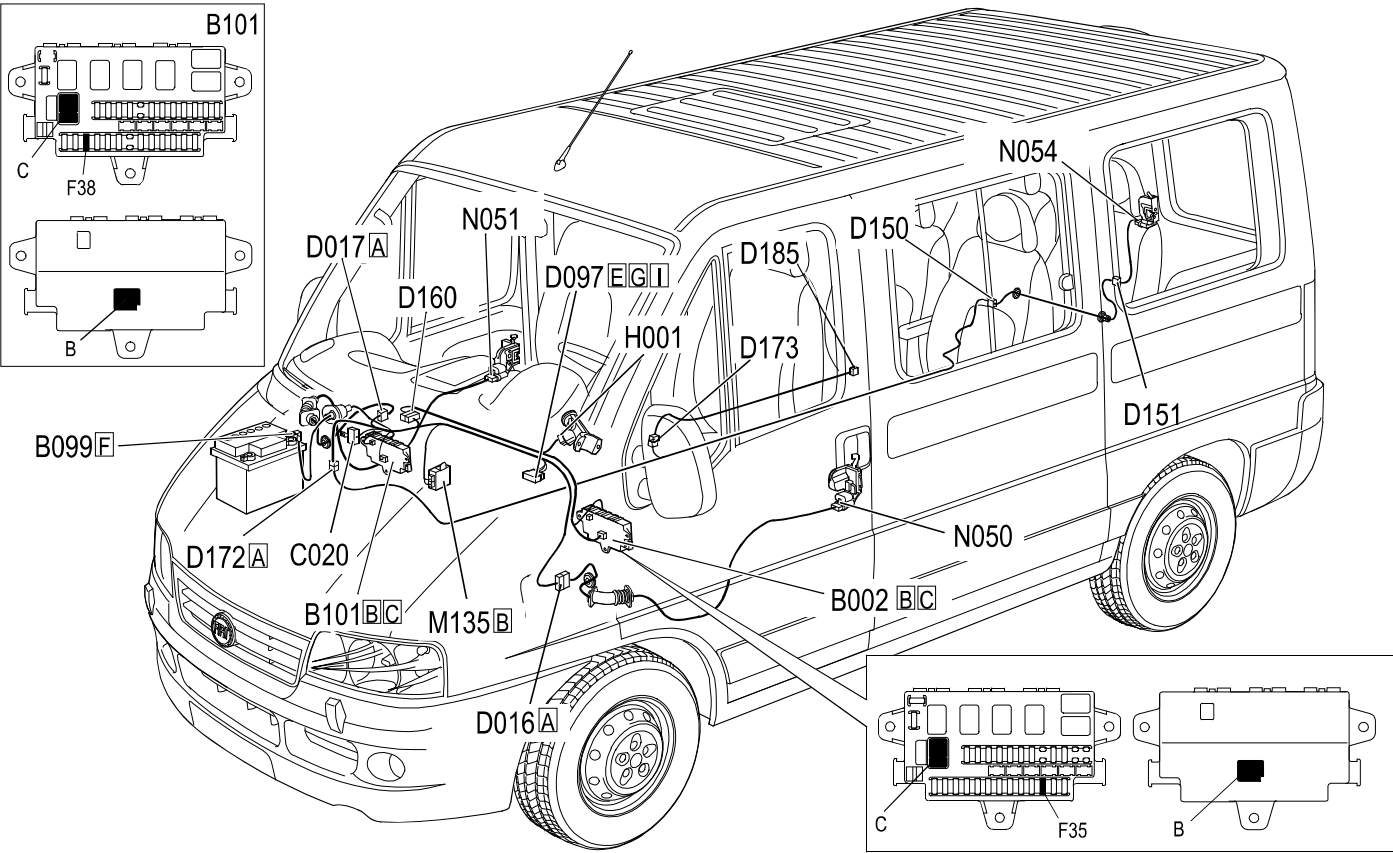
Double door lock N054 receives a motor control power supply for door opening/closure from short-circuit junctions D097.

CENTRAL LOCKING WIRING DIAGRAM



Component code	Description	Reference to the assembly
B002	JUNCTION UNIT UNDER DASHBOARD	-
B099	MAXI FUSE BOX ON BATTERY	-
B101	OPTIONAL JUNCTION UNIT UNDER THE DASHBOARD	-
D016	ADDITIONAL DASHBOARD/LEFT FRONT DOOR COUPLING	-
D017	ADDITIONAL DASHBOARD/RIGHT FRONT DOOR COUPLING	-
D097	SHORT CIRCUITING COUPLING	-
D150	RIGHT REAR/RIGHT SWING DOOR COUPLING	-
D151	RIGHT SWING DOOR/RIGHT SWING DOOR LOCK COUPLING	-
D160	DASHBOARD/OPTIONAL DASHBOARD COUPLING	-
D172	RIGHT REAR/OPTIONAL DASHBOARD COUPLING	-
D173	RIGHT REAR/SLIDING SIDE DOOR BUTTON COUPLING	-
D185	CONTACT BOARD ON SLIDING SIDE DOOR	-
M135	ELECTRIC WINDOWS/CENTRAL LOCKING CONTROL UNIT	-
N050	DRIVER'S FRONT DOOR LOCK GEARED MOTOR	-
N051	RIGHT FRONT DOOR LOCK GEARED MOTOR	-
N054	RIGHT REAR SWING DOOR LOCK GEARED MOTOR	-

CENTRAL LOCKING LOCATION COMPONENTS



Component code	Description	Reference to the assembly
B002	JUNCTION UNIT UNDER DASHBOARD	-
B099	MAXI FUSE BOX ON BATTERY	-
B101	OPTIONAL JUNCTION UNIT UNDER THE DASHBOARD	-
D016	ADDITIONAL DASHBOARD/LEFT FRONT DOOR COUPLING	-
D017	ADDITIONAL DASHBOARD/RIGHT FRONT DOOR COUPLING	-
D097	SHORT CIRCUITING COUPLING	-
D150	RIGHT REAR/RIGHT SWING DOOR COUPLING	-
D151	RIGHT SWING DOOR/RIGHT SWING DOOR LOCK COUPLING	-
D160	DASHBOARD/OPTIONAL DASHBOARD COUPLING	-
D172	RIGHT REAR/OPTIONAL DASHBOARD COUPLING	-
D173	RIGHT REAR/SLIDING SIDE DOOR BUTTON COUPLING	-
D185	CONTACT BOARD ON SLIDING SIDE DOOR	-
M135	ELECTRIC WINDOWS/CENTRAL LOCKING CONTROL UNIT	-
N050	DRIVER'S FRONT DOOR LOCK GEARED MOTOR	-
N051	RIGHT FRONT DOOR LOCK GEARED MOTOR	-
N054	RIGHT REAR SWING DOOR LOCK GEARED MOTOR	-
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