



## 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.

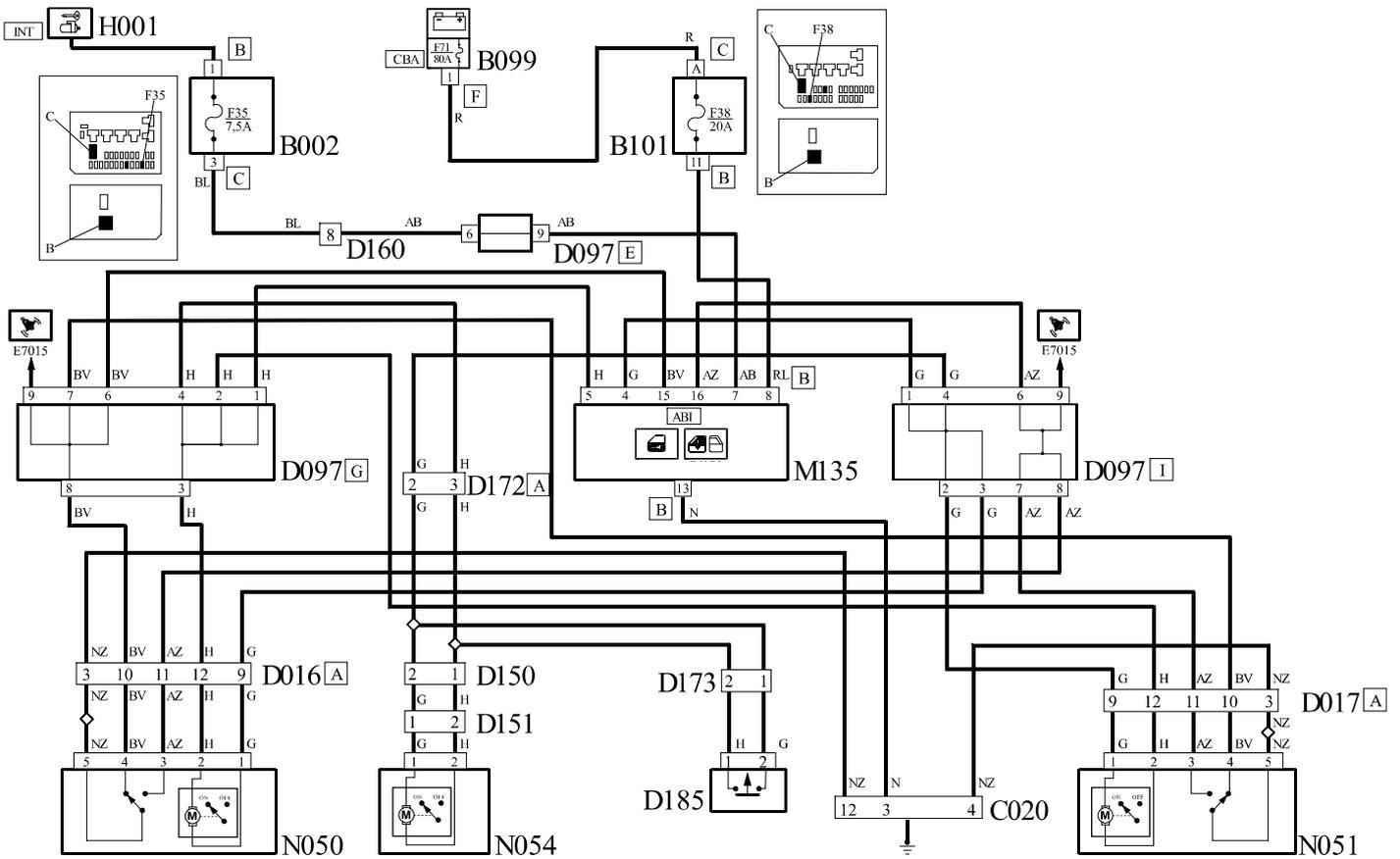
Short circuit junction D097F manages the door lock release signal. The opening control is received at pins 8 and 7 from front door locks N050 and N051 respectively - pin 3 -. Pin 6 receives a door lock release signal from control unit ABI M135 that distributes to door locks N051, N050 and N054 respectively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

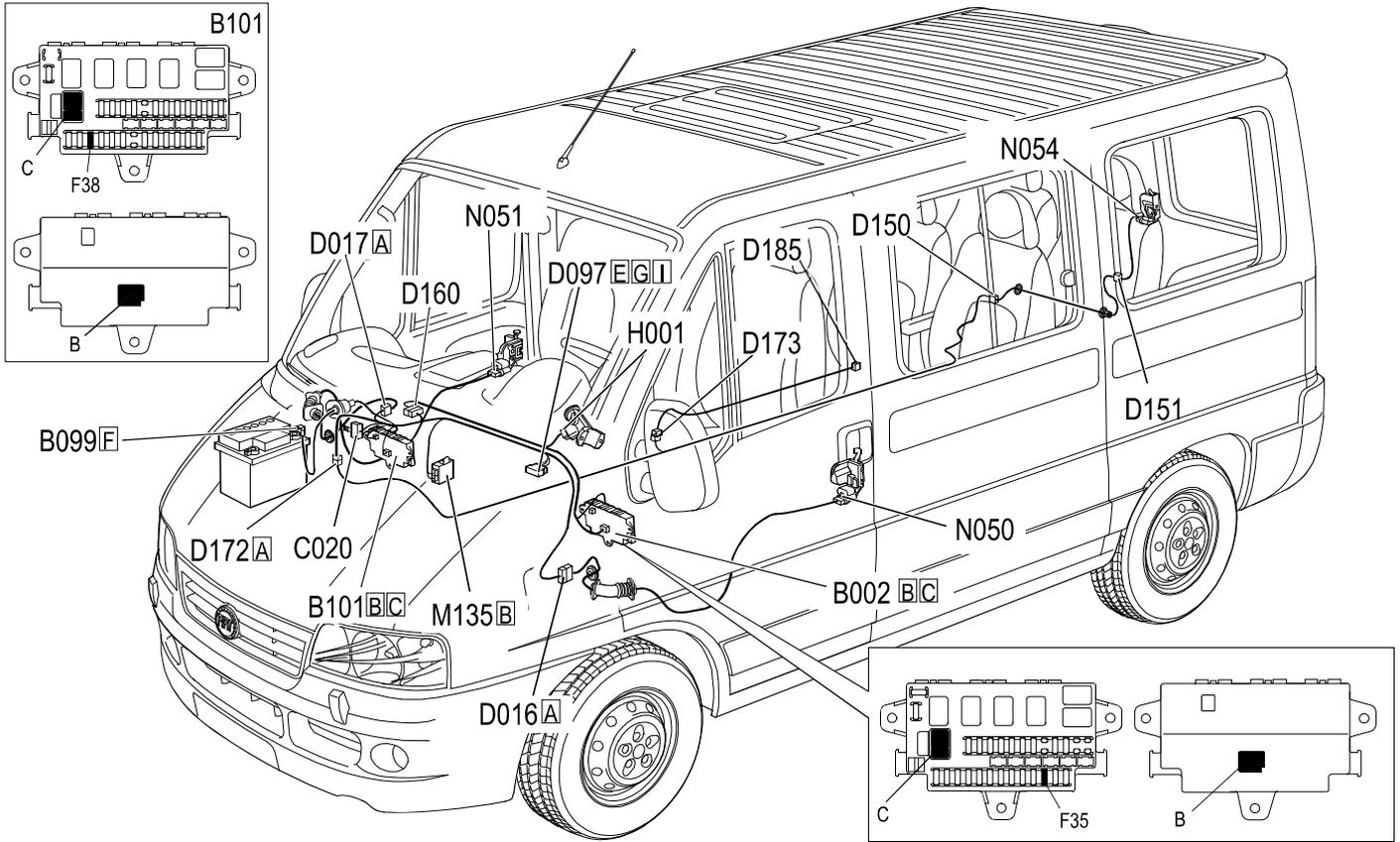
Double door lock N054 receives a motor control power supply for door opening/closure from short-circuit junctions D097.

# 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	-