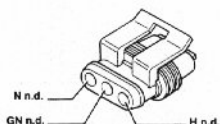
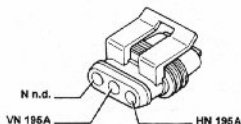
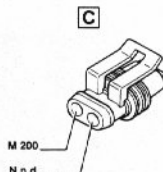
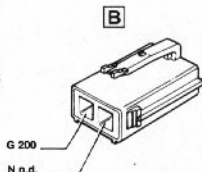
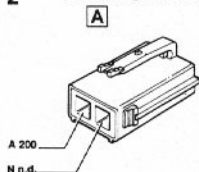


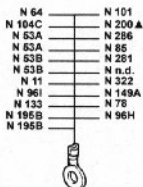
1 Front left headlamp



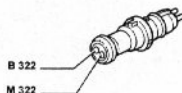
2 Front left lights cluster



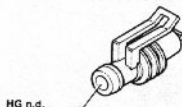
3 Front left earth



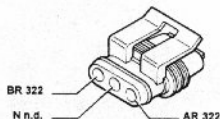
4 Sensor on front left wheel (A.B.S.)



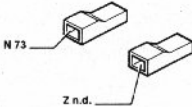
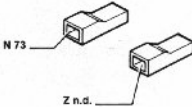
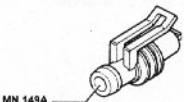
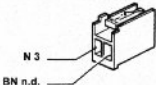
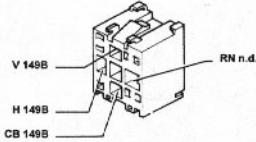
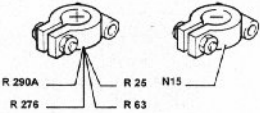
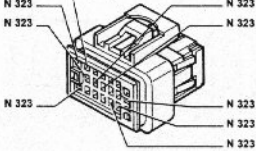
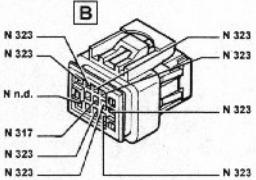
5 Front left brake pad wear sensor



6 Diagnostic socket for anti-lock braking system (A.B.S.)



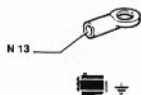
### 55.

<p><b>7</b> Low tone horn</p> 	<p><b>8</b> High tone horn</p> 
<p><b>9</b> Compressor for air conditioner</p> 	<p><b>11</b> Low brake fluid level sensor</p> 
<p><b>12</b> Timing variator relay</p> 	<p><b>13</b> Battery</p> 
<p><b>14</b> Anti-theft electronic control unit</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>A</b></p>  </div> <div style="text-align: center;"> <p><b>B</b></p>  </div> </div>	

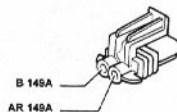
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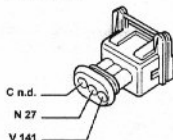
**15** Earth on bodywork



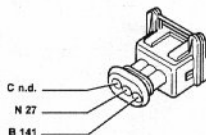
**17** Hazard warning lights switch



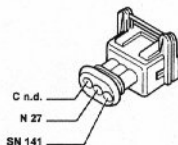
**18A** Ignition coil



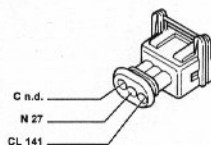
**18B** Ignition coil



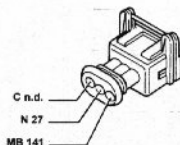
**18C** Ignition coil



**18D** Ignition coil

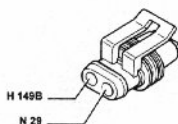


**18E** Ignition coil

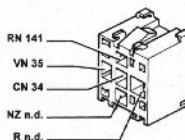


### 55.

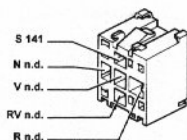
**19** Timing variator solenoid



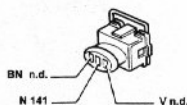
**20** Fuel pump supply relay



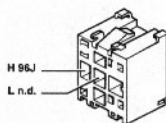
**21** Injector control relay



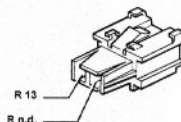
**23** HALL effect phase sensor



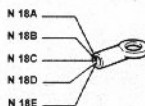
**24** Three diode container



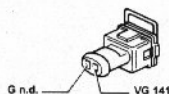
**25** 60A ABS maxi fuse



**27** Earth on engine

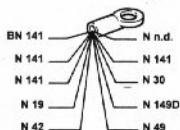


**28** Engine coolant temperature sensor

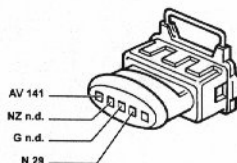


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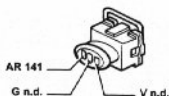
**29** Earth on engine



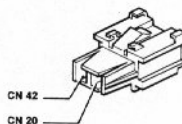
**30** Air flowmeter



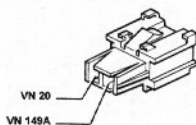
**31** Throttle valve potentiometer



**34** 10A fuse protecting Lambda probe



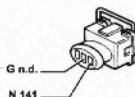
**35** 7.5A fuse protecting fuel pump



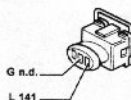
**36** Rear earth on rear window pillar



**38** Knock sensor 1

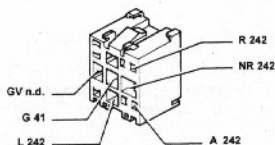


**39** Knock sensor 2

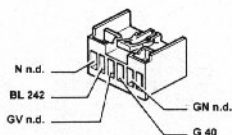


**55.**

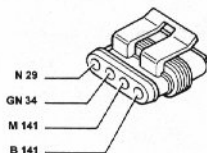
**40** Sunroof electronic control unit



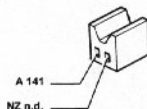
**41** Electric sunroof button



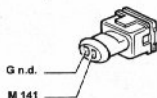
**42** Heated Lambda probe



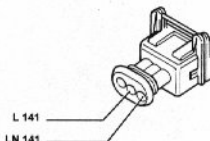
**43** Over-Boost solenoid



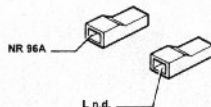
**44** Air temperature sensor



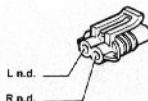
**45** Rpm and T.D.C. sensor



**46** Resistor for switching on engine cooling fan low speed

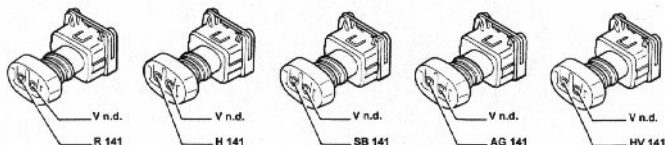


**47** Engine cooling fan (2nd)

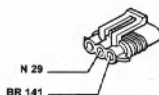


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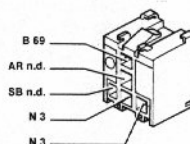
**53** Fuel injectors



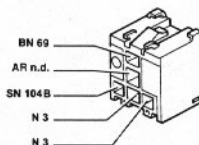
**49** Fuel injection diagnostic socket



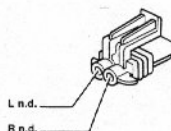
**53A** Windscreen washer remote switch



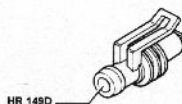
**53B** Rear window washer remote switch



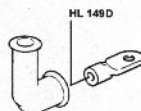
**54** Engine cooling fan



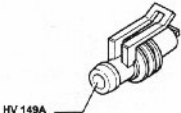

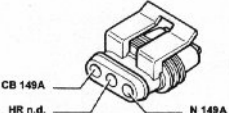
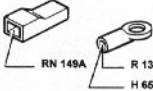
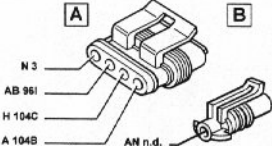

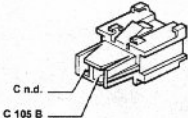

**57** Oil pressure sender unit



**58** Engine oil temperature sender unit

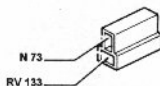


55.

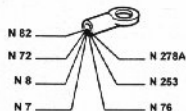
<p><b>59</b> Low oil pressure warning light switch</p>  <p>HV 149A</p>	<p><b>61</b> Engine coolant temperature sender unit</p>  <p>HB 149A</p>
<p><b>62</b> Pulse generator for speedometer signal</p>  <p>CB 149A HR n.d. N 149A</p>	<p><b>63</b> Starter motor</p>  <p>RN 149A R 13 H 66</p>
<p><b>64</b> Windscreen wiper motor</p>  <p>A B N 3 AB 96I H 104C A 104B AN n.d.</p>	<p><b>65</b> Alternator</p>  <p>H 63 HN 149A</p>
<p><b>66</b> 10A fuse protecting Fiat CODE electronic control unit</p>  <p>C n.d. C 105 B</p>	<p><b>69</b> Windscreen/rear window washer pump</p>  <p>B 53A BN 53B</p>

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**72** Headlamp washer pump

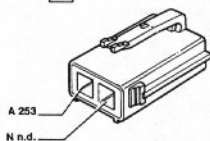


**73** Front right earth

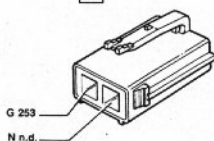


**74** Front right lights cluster

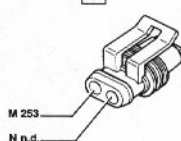
**A**



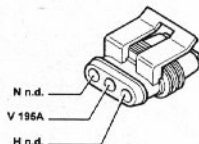
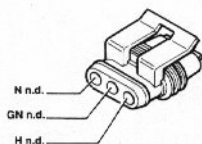
**B**



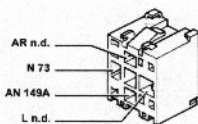
**C**



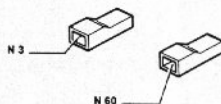
**75** Front right headlamp



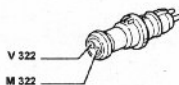
**76** Relay for switching on engine cooling fan high speed



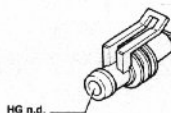
**78** Button bonnet for switching on anti-theft device



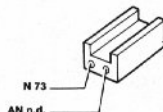
**80** Sensor on front right wheel (A.B.S.)



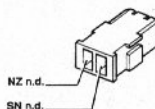
**81** Front right brake pad wear sensor



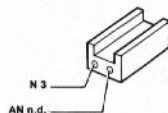
**82** Front right side repeater



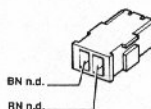
**83** Front right speaker



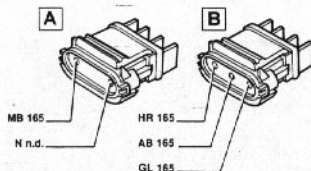
**85** Front left side repeater



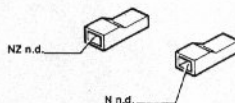
**86** Front left loudspeaker



**87** Electrically-adjustable and heated left exterior rearview mirror



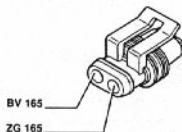
**88** Courtesy light front left button



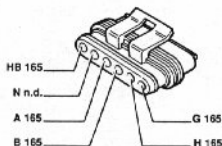
P38123/L01



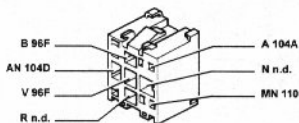
**90** Left electric window motor



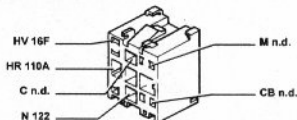
**91** Left door locking motor and door open indicator



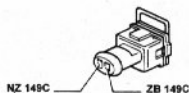
**92** Hazard warning lights timer



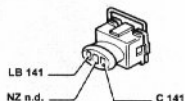
**93** Front/rear fog lamps electronic control unit



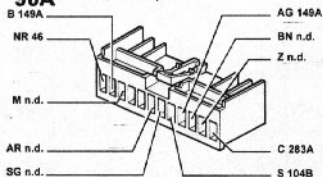
**94** Canister solenoid



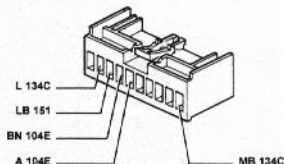
**95** Engine idle speed actuator



**96A** Fuse and relay unit



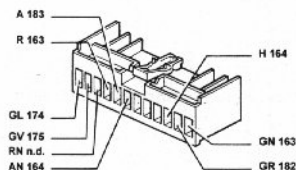
**96B** Fuse and relay unit



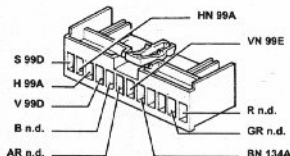
P3V13NED1

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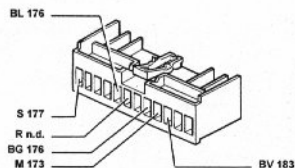
**96C** Fuse and relay unit



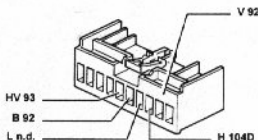
**96D** Fuse and relay unit



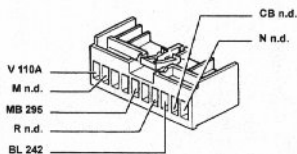
**96E** Fuse and relay unit



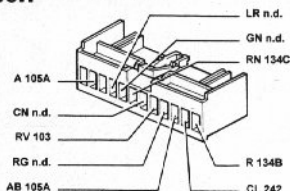
**96F** Fuse and relay unit



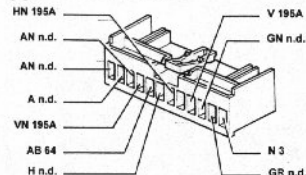
**96G** Fuse and relay unit



**96H** Fuse and relay unit

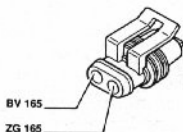


**96I** Fuse and relay unit

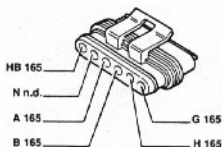


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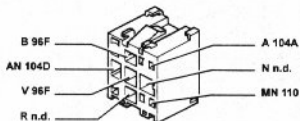
90 Left electric window motor



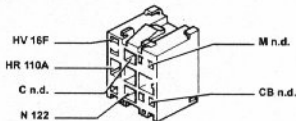
91 Left door locking motor and door open indicator



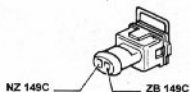
92 Hazard warning lights timer



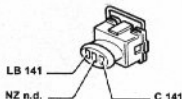
93 Front/rear fog lamps electronic control unit



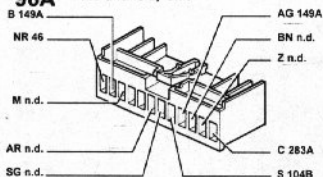
94 Canister solenoid



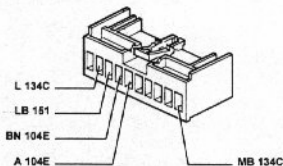
95 Engine idle speed actuator



96A Fuse and relay unit



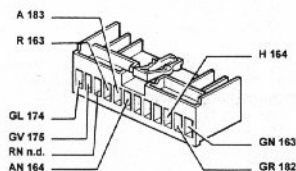
96B Fuse and relay unit



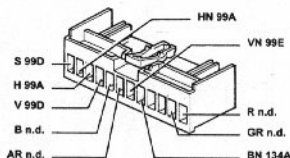
P3V139/L01

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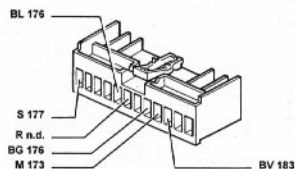
**96C** Fuse and relay unit



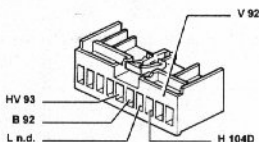
**96D** Fuse and relay unit



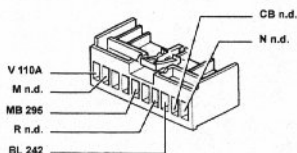
**96E** Fuse and relay unit



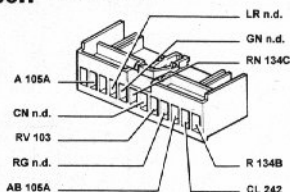
**96F** Fuse and relay unit



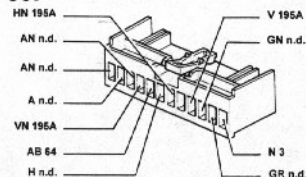
**96G** Fuse and relay unit



**96H** Fuse and relay unit

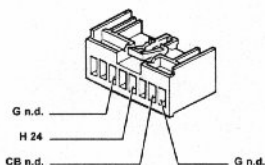


**96I** Fuse and relay unit

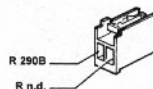


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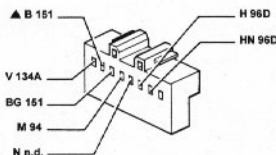
**96J** Fuse and relay unit



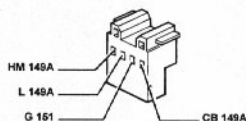
**96N** Fuse and relay unit



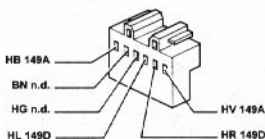
**99A** Instrument panel



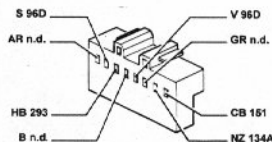
**99B** Instrument panel



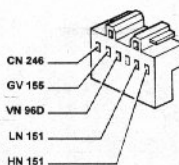
**99C** Instrument panel



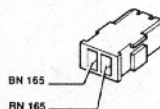
**99D** Instrument panel



**99E** Instrument panel



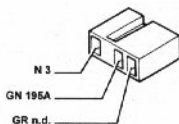
**100** Loudspeaker on left door



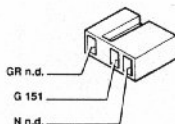
▲ For specific markets

PSN/ENL00

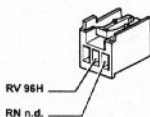
**101** Headlampe adjustment control unit



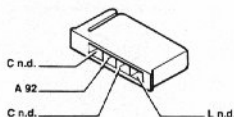
**102** Rheostat for symbol illumination brightness adjustment



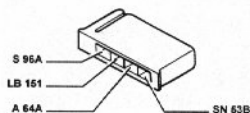
**103** Stop lights switch



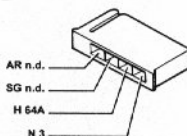
**104A** Stalk unit



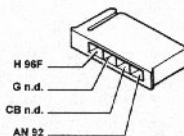
**104B** Stalk unit



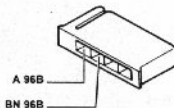
**104C** Stalk unit



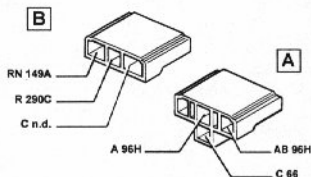
**104D** Stalk unit



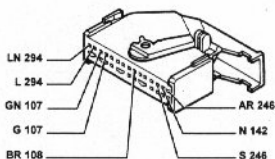
**104E** Stalk unit



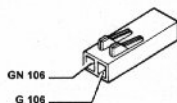
**105** Ignition switch



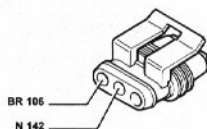
**106** AIR BAG electronic control unit



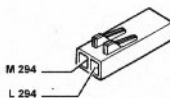
**107** Passenger's AIR BAG module



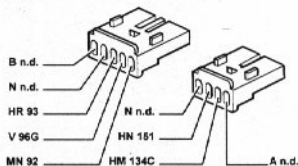
**108** Diagnostic socket for AIR BAG



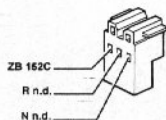
**109** Driver's AIR BAG module



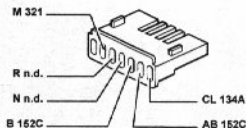
**110** Switch control unit



**111** Courtesy light with spot light and remote control receiver

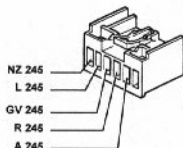


**111A** Door lock remote control receiver

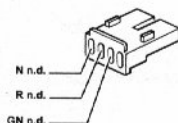


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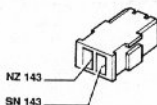
#### 112 Electric sunroof



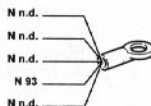
#### 116 Digital clock



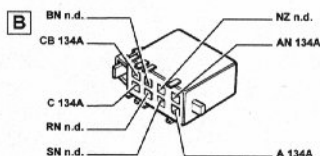
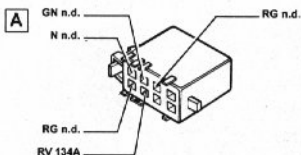
#### 120 Loudspeaker on front right door



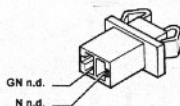
#### 122 Earth on body shell, driver's side



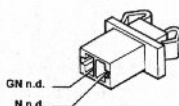
#### 125 Car radio



#### 123A Heater/air conditioner controls lighting

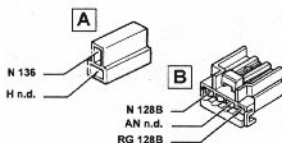


#### 123B Heater/air conditioner controls lighting

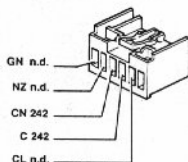




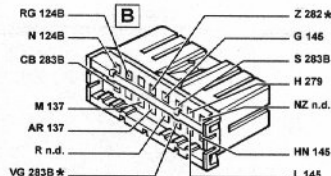
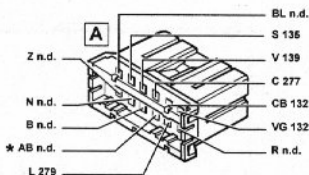
**124** Car interior ventilation electronic variator



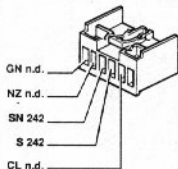
**126** Pushbutton unit on central console controlling left electric window



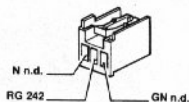
**128** Heater/air conditioner control unit



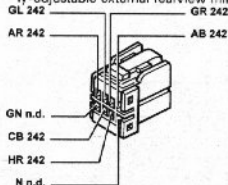
**127** Pushbutton unit on central console controlling right electric window



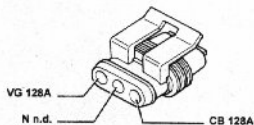
**129** Cigarette lighter



**130** Pushbutton unit controlling electrically-adjustable external rearview mirrors



**132** Diagnostic socket for heater/air conditioner control unit

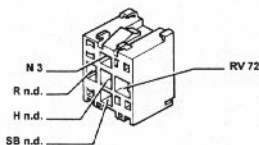


\* For versions with air conditioning

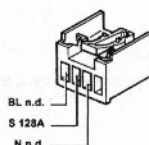
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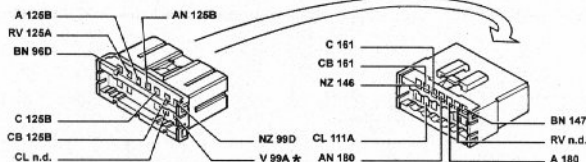
### 133 Headlamp washer intermittent switch



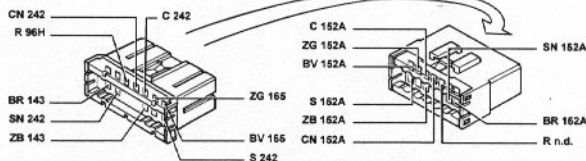
### 135 Car interior air temperature adjustment potentiometer



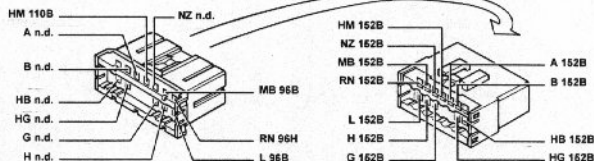
### 134A Dashboard cable/rear cable connection



### 134B Dashboard cable/rear cable connection

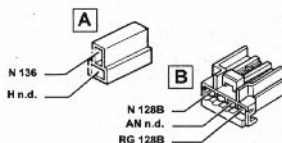


### 134C Dashboard cable/rear cable connection

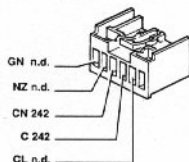


\* Wiring for heated seats

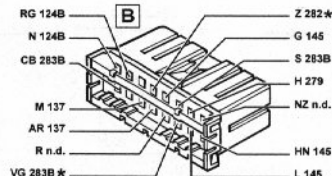
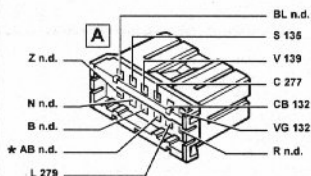
**124** Car interior ventilation electronic variator



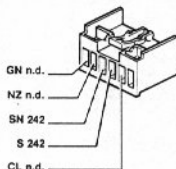
**126** Pushbutton unit on central console controlling left electric window



**128** Heater/air conditioner control unit



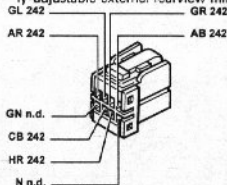
**127** Pushbutton unit on central console controlling right electric window



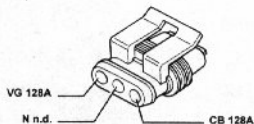
**129** Cigarette lighter



**130** Pushbutton unit controlling electrically-adjustable external rearview mirrors



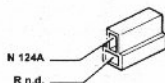
**132** Diagnostic socket for heater/air conditioner control unit



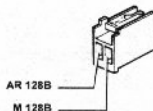
\* For versions with air conditioning

P3M19N L02

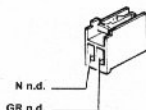
**136** Car interior climate control electric fan



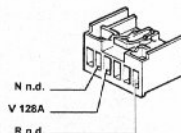
**137** Car interior air recirculation actuator



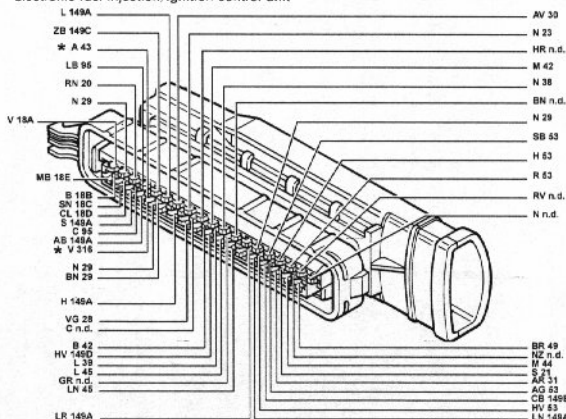
**138** Glove compartment light bulb



**139** Car interior ventilation potentiometer



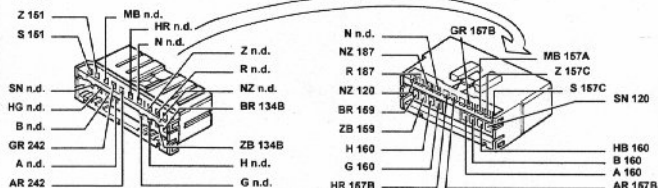
**141** Electronic fuel injection/ignition control unit



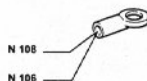
\* For Turbo version

P3N21 N.02

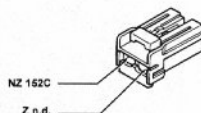
#### 143 Dashboard cable/front right door cable connection



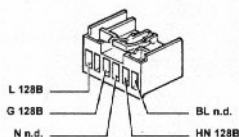
#### 142 Earth for AIR BAG



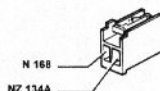
#### 144 Boot light bulb



#### 145 Car interior air mixing control actuator



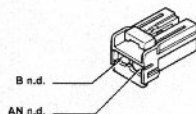
#### 146 Seat belts on warning light switch



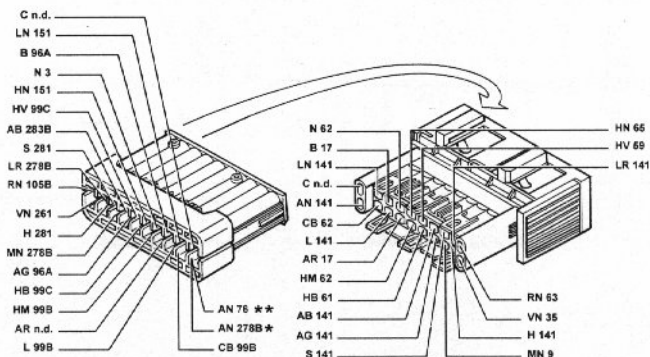
#### 147 Handbrake on warning light switch



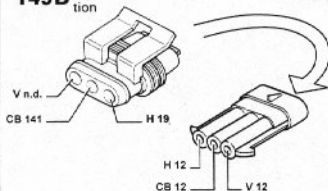
#### 148 MAX DEF selection microswitch



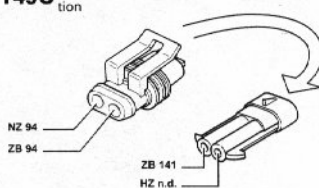
**149A** Front cable/fuel injection cable connection



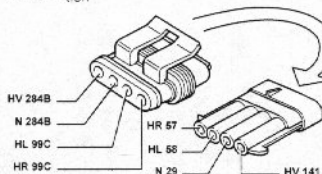
**149B** Front cable/fuel injection cable connection



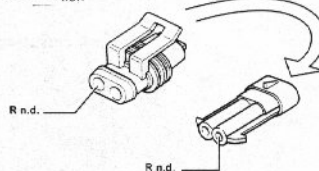
**149C** Front cable/fuel injection cable connection



**149D** Front cable/fuel injection cable connection



**149E** Front cable/fuel injection cable connection

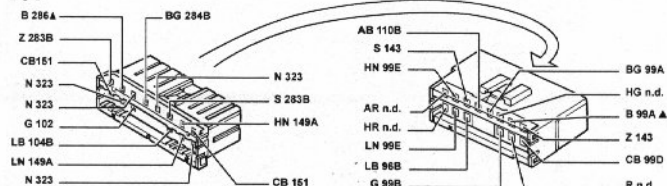


\* For versions with air conditioning \*\* For versions with heating

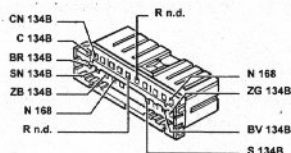
P2N235/L02

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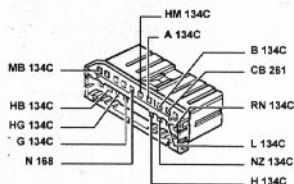
### 151 Front cable/dashboard cable connection



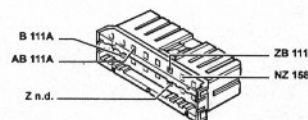
### 152A Integrated services electronic control unit



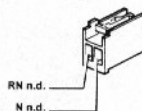
### 152B Integrated services electronic control unit



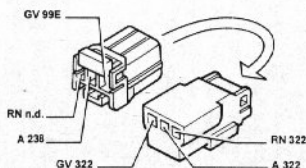
### 152C Integrated services electronic control unit



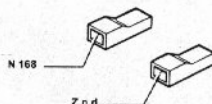
### 153 Additional stop light



### 155 A.B.S./dashboard cable connection



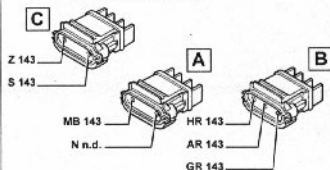
### 156 Boot light button



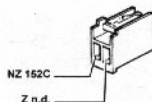
▲ For specific markets

P3N249L01

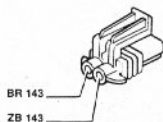
**157** Electrically-adjustable and heated right external rearview mirror



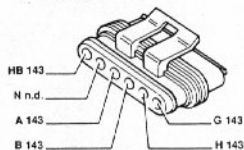
**158** Courtesy light right button



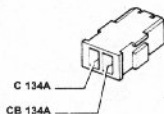
**159** Right electric window motor



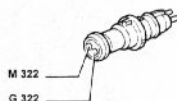
**160** Right door lock motor and door open indicator



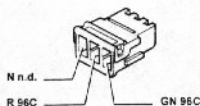
**161** Rear left loudspeaker



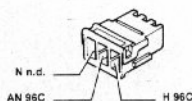
**162** Sensor on rear left wheel (A.B.S.)



**163** Rear left lights cluster (Side - Stop)



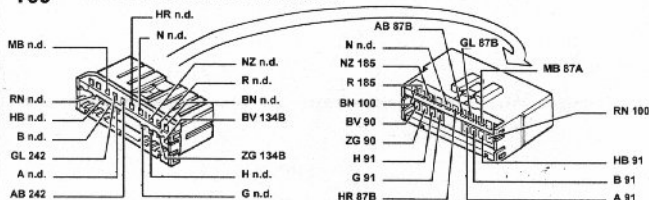
**164** Rear left lights cluster (Indicators - Rear fog)



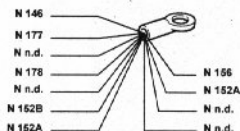


55.

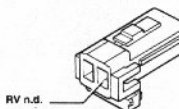
### 165 Dashboard cable/left door cable connection



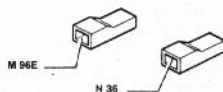
### 168 Rear earth, driver's side



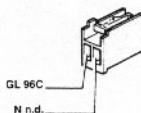
### 171 Aerial with preamplifier wiring connection



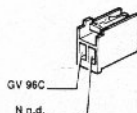
### 173 Heated rear window



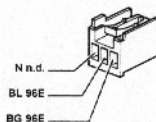
### 174 Left number plate light



### 175 Right number plate light

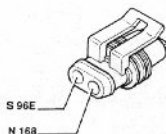


### 176 Rear window wiper motor

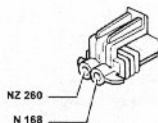


P2026N1.02

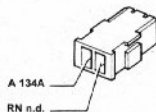
**177** Fuel gauge sender unit



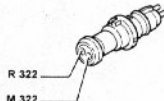
**178** Electric fuel pump



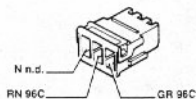
**180** Rear right loudspeaker



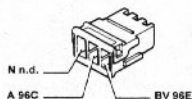
**181** Sensor on rear right wheel (A.B.S.)



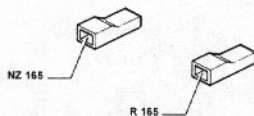
**182** Rear right lights cluster (side - stop)



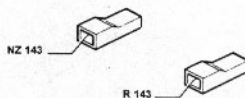
**183** Rear right lights cluster (indicators - reversing)



**185** Left door puddle light bulb

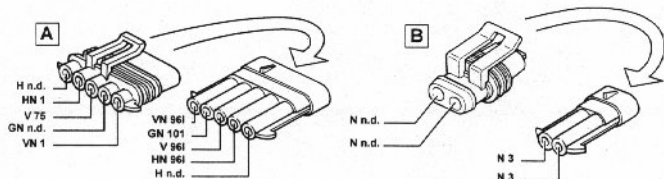


**187** Right door puddle light bulb

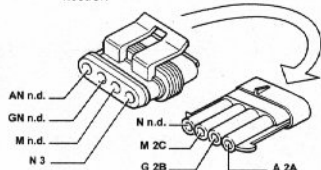


F36276L01

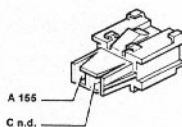
#### 195 Headlamp adjuster cable connection



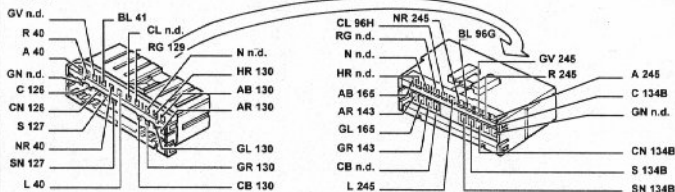
#### 200 Front cable/front left lights cluster connection



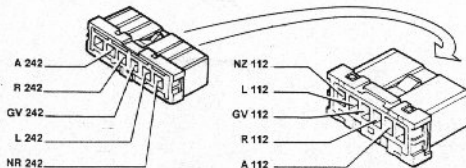
#### 238 10A fuse protecting anti-lock braking system (A.B.S.)



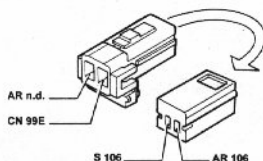
#### 242 Dashboard cable/central console cable connection



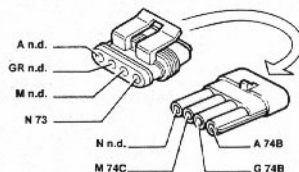
#### 245 Dashboard cable/sunroof cable connection



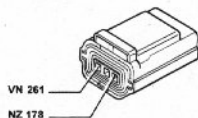
**246** AIR BAG cables connection



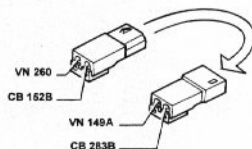
**253** Front cable/front lights cluster connection



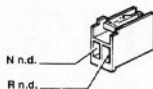
**260** Inertial switch switching off electric fuel pump



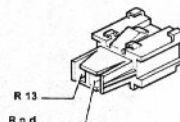
**261** Front cable/rear cable connection



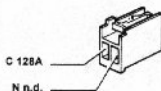
**262** Wiring for compact disc



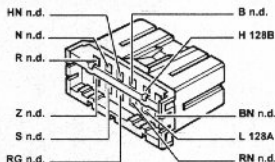
**276** 40 A fuse protecting engine cooling fan



**277** Climate control system treated air temperature sensor



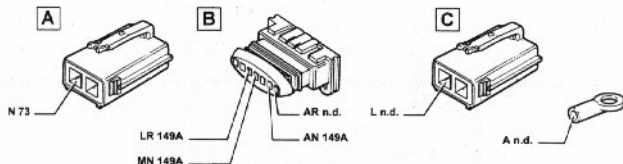
**279** Car interior temperature sensor and recirculation/air conditioner buttons



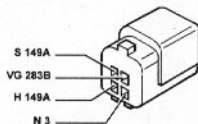
P38/28N1.02

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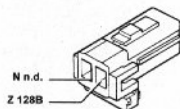
### 278 Relay and fuse box for air conditioner



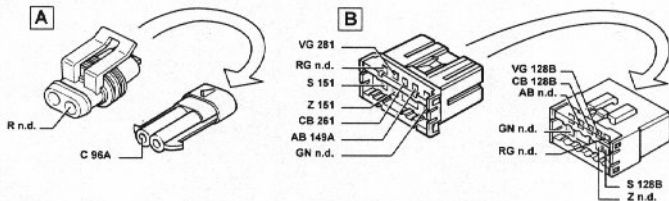
### 281 Three-stage pressure-switch for air conditioner



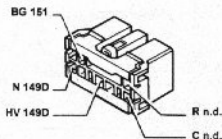
### 282 Anti-frost NTC sensor



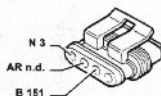
### 283 Connection between engine bay cables and heater/air conditioner cables



### 284 Fit CODE electronic control unit

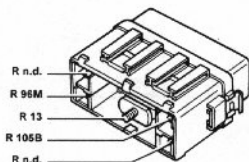


### 286 Catalytic converter overheating electronic control unit (only for specific markets)



93K35X101

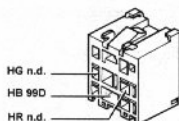
**290** Power fusebox



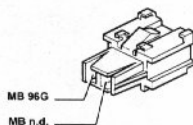
**292** Front left earth for anti-lock braking system (A.B.S.)



**293** Two-diode container



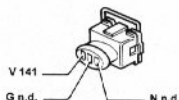
**295** 7.5A fuse protecting electric mirror defrosting system



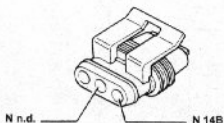
**307** Earth for car interior fan



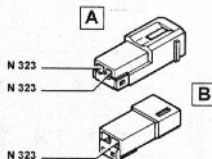
**316** Atmospheric pressure sensor



**317** Diagnostic socket for anti-theft device



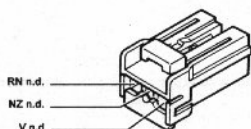
**318** Switch for switching off anti-theft device



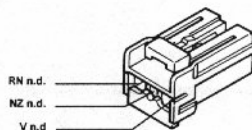
P2621N.02

55.

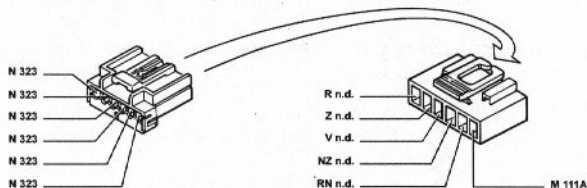
### 319 Left volumetric sensor for anti-theft device



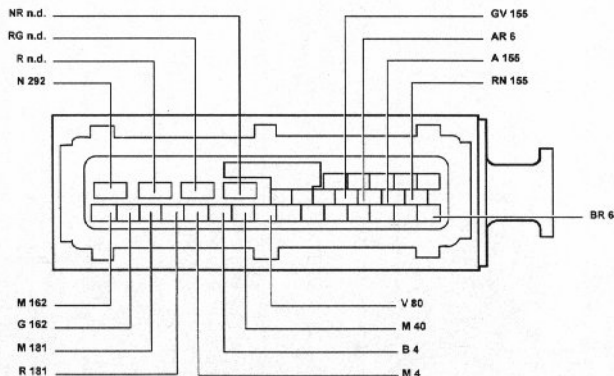
### 320 Right volumetric sensor for anti-theft device



### 321 Connection between front cable/rear cable for anti-theft device

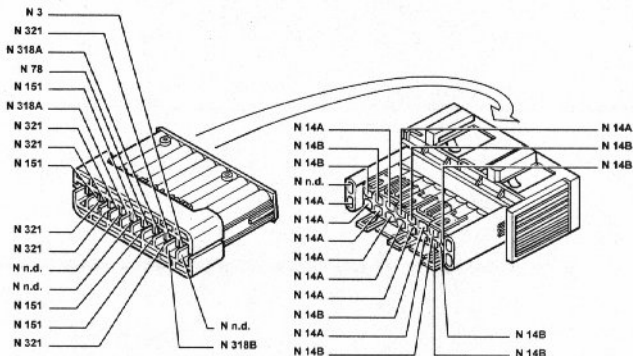


### 322 Electronic control unit for anti-lock braking system (A.B.S.)



P3N324L02

**323** Front cable/anti-theft device connection



P2M33M/L01



**STARTER**

- M. Marelli N70R - 12V - 1.4kW starter motor 1

**RECHARGING SYSTEM**

- M. Marelli A127IR - 14V - 55/100A alternator 2

**INSTRUMENT PANEL**

- Instrument panel 3
- Wire colours and description of the circuits connected to each individual connector 4
- Wiring diagram of internal connections of the instrument panel 5

**FUSE AND RELAY UNIT**

- Location of fuses and relays in fuse and relay unit 6
- List of fuses and main circuits protected 7
- Description of the circuits connected to each individual connector 9
- Wiring diagram of internal connections of the fuse and relay unit 11

**VARIOUS DEVICES**

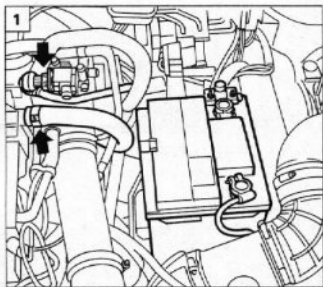
- Location of fuses and relay units, relays and fuses in car 12
- Integrated services electronic control unit 13
- Electric windows 13
- Door lock/unlock 14
- Lagged switch-on of heated rear window 14
- Time lagged courtesy light 15
- Time lagged boot light 15
- Removing/refitting int. serv. control unit 16
- Description of circuits connected to each individual connector on the integrated services control unit 17

**LIGHTS**

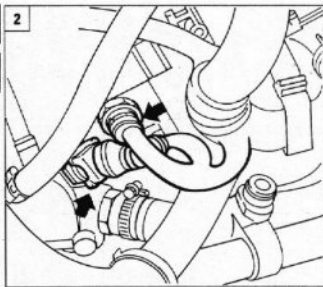
- Electrical headlamp vertical adjuster 18
- Additional stop light 19

**RADIO ARRANGEMENT**

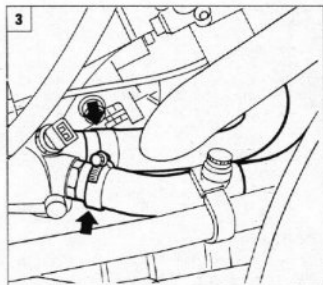
- Receiver 20
- Diagram of radio system 22



P3N01GL01



P3N01GL02



P3N01GL03

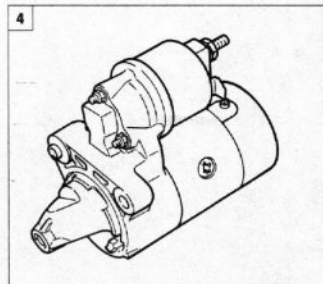


# **MARELLI M 70R - 12V - 1.4 kW STARTER MOTOR**

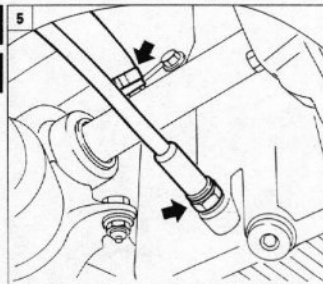
## **Removal**

Place the car on ramps

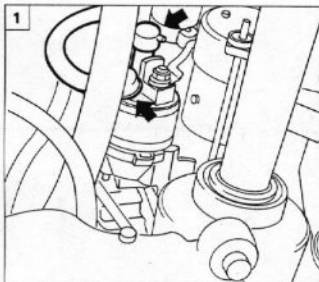
1. Remove the battery, disconnect the idle adjustment stepper motor connector and withdraw the oil vapour duct on the rocker cover.
2. Disconnect the water temperature sensor wiring connectors.
3. Prepare a container to collect the coolant, then disconnect the delivery and return pipes on the thermostat illustrated in the figure.
4. Undo the starter motor top bolts (see arrows).
5. Raise the car, disconnect the oil temperature sensor on the sump and disconnect the oil heat exchanger pipe.



P3N01GL04



P3N01GL05



P3N020L81



1. Disconnect the supply connections from the starter motor.

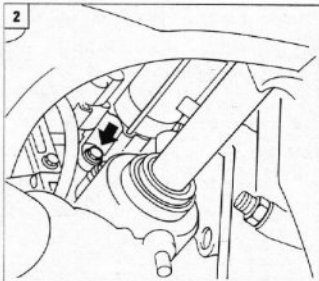


2. Undo the bottom bolt and remove the starter motor.

#### Refitting

To refit, reverse the procedure for removal.

**NOTE** To top up the coolant, refer to the procedure for filling the cooling system described in Section 10.



P3N020L02



**MARELLI A1271R - 14V - 55/100A ALTERNATOR**

#### Removing



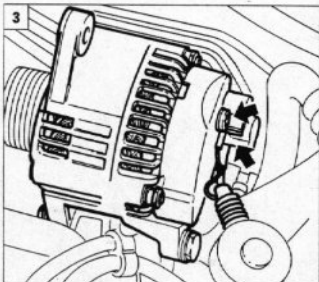
Before removing the alternator, remove the air conditioner compressor as described in Section 50.

3. Disconnect the electrical connections shown in the figure.

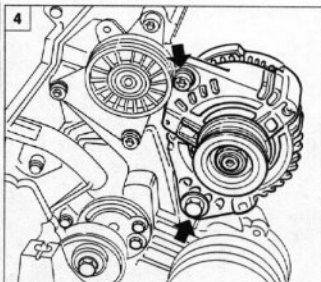
4. Undo the bolts shown in the figure and remove the alternator.

#### Refitting

To refitting, reverse the procedure for removal.



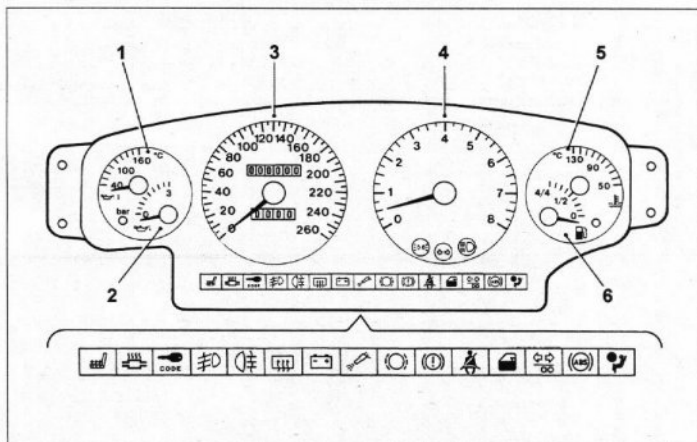
P3N020L03



P3N020L04

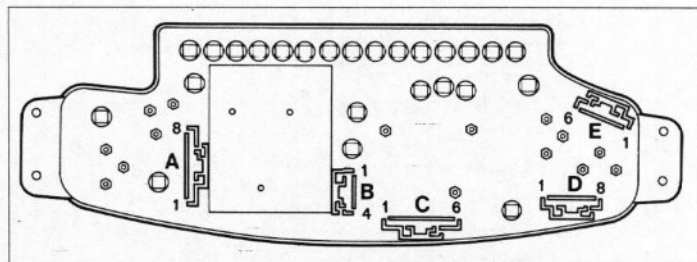


**INSTRUMENT PANEL**



P3W03CL01

- |                           |                            |
|---------------------------|----------------------------|
| 1. Oil temperature gauge  | 4. Electronic rev counter  |
| 2. Oil pressure gauge     | 5. Water temperature gauge |
| 3. Electronic speedometer | 6. Fuel gauge              |



P3W03CL02

**Rear of instrument panel (the connector seatings are shown)**

### 55.

#### WIRE COLOURS AND DESCRIPTION OF THE CIRCUITS CONNECTED TO EACH INDIVIDUAL CONNECTOR

CONNECTOR A		
Pin no.	Wire colour	Circuit involved
1	-	Not connected
2	HN	Heated rear window warning light
3	H	Rear fog lamps warning light
4	N	Shared earth
5	M	Front fog lamps warning light
6	BG	Fiat CODE fault warning light
7	B	Catalytic converter overheating warning light (only for specific markets, e.g. Japan etc.)
8	V	Heated seats warning light (wiring)

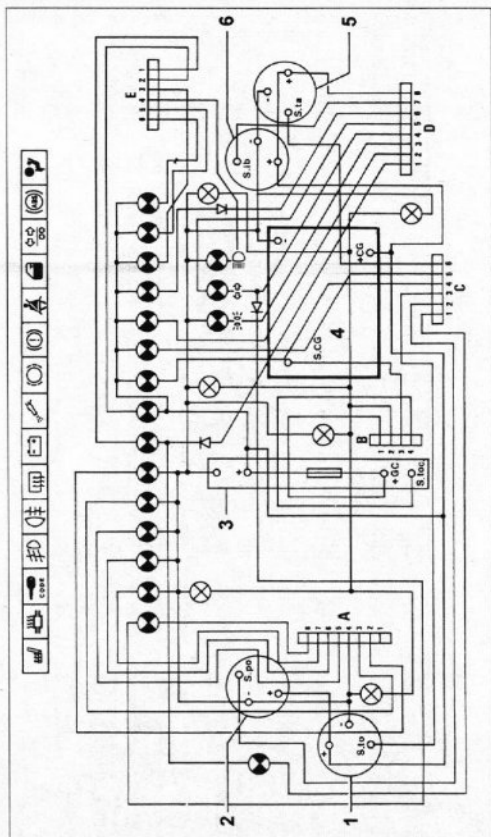
CONNECTOR B		
Pin no.	Wire colour	Circuit involved
1	CB	+ for speedometer pulse generator
2	G	+ lights
3	L	Rev counter signal
4	HM	Speedometer signal

CONNECTOR C		
Pin no.	Wire colour	Circuit involved
1	HV	Low engine oil pressure warning light
2	-	Not connected
3	HL	Engine oil temperature signal
4	HG	Brake pad wear warning lamp
5	BN	Handbrake on and low brake fluid level warning light
6	HB	Engine coolant temperature signal

CONNECTOR D		
Pin no.	Wire colour	Circuit involved
1	CB	+ 15 for battery charge and low oil pressure warning light
2	NZ	Seat belt unfastened warning light
3	GR	Side lights warning light
4	V	Turn signals warning light
5	B	Turn signals warning light
6	HB	Door open warning light
7	S	Fuel gauge signal
8	AR	+ shared

CONNECTOR E		
Pin no.	Wire colour	Circuit involved
1	HN	Low battery charge warning light
2	LN	M.P.I. fuel injection fault warning light
3	-	Not connected
4	VN	Main beam warning light
5	GV	Anti-lock braking system (A.B.S.) fault warning light
6	CN	Air Bag system fault warning light

WIRING DIAGRAM OF INTERNAL CONNECTIONS OF THE INSTRUMENT PANEL

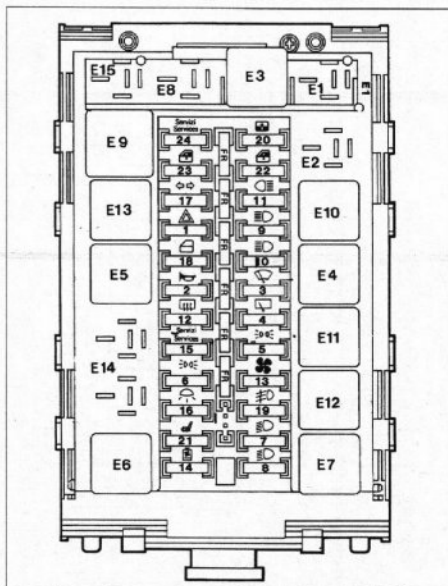


PN505CLB1

1. Oil temperature gauge
2. Oil pressure gauge
3. Electronic speedometer

4. Electronic rev counter
5. Water temperature gauge
6. Fuel gauge

#### LOCATION OF FUSES AND RELAYS IN FUSE AND RELAY UNIT



















P2N04GL01

#### Relays

- |   |  |
|---|--|
| <b>E1</b> Sunroof relay (wiring)          | <b>E9</b> Windscreen/rear window wiper intermittent switch |
| <b>E2</b> Spare (not used)                | <b>E10</b> Rear fog lamp relay                             |
| <b>E3</b> Relay for engine cooling fan    | <b>E11</b> Dipped beam relay                               |
| <b>E4</b> Relay for main beam headlamps   | <b>E12</b> Front fog lamp relay                            |
| <b>E5</b> Horn relay                      | <b>E13</b> Side lights relay                               |
| <b>E6</b> Heated rear window relay        | <b>E14</b> Spare (not used)                                |
| <b>E7</b> Ignition switch discharge relay | <b>E15</b> Spare (not used)                                |
| <b>E8</b> Spare (not used)                |  |

**LIST OF FUSES AND MAIN CIRCUITS PROTECTED**

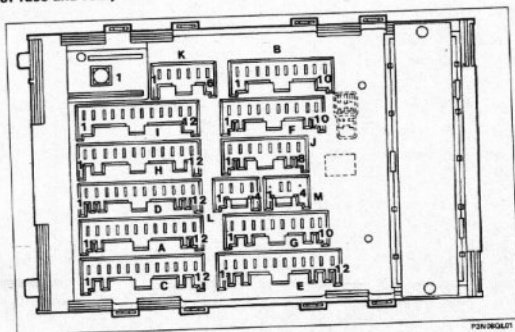
Fuse no.	Amp.	Symbol	Colour	Protected circuit
1	10		Red	Hazard lights, electronic alarm flasher
2	25		White	Electric horns - Cigarette lighter - Car radio - Stop lights - Trailer stop lights
3	20		Yellow	Windscreen wiper - Air conditioner - Cooling fan 2nd speed
4	25		White	Rear window wiper - Heated seats (wiring)
5	10		Red	Side lights warning light - Rear left side light - Right number plate light - Front right side light - Left trailer side light - Glovebox light - Headlamp adjustment control light - Instrument panel light brightness adjuster
6	10		Red	Rear right side light - Left number plate light - Front left side light - Right trailer side light - Lighting for controls of radio, electric windows, cigarette lighter, sunroof, electric mirrors, heater/air conditioner, switch cover, clock and instrument panel
7	10		Red	Right dipped beam - Headlamp adjuster - Headlamp washer
8	10		Red	Left dipped beam
9	15		Blue	Right main beam
10	15		Blue	Left main beam - Main beam headlamps warning light
11	7.5		Brown	Rear fog lamps - Trailer rear fog lamps - Rear fog lamp warning light
12	25		White	Heated rear window - Heated rear window warning light
13	20		Yellow	Electric windows (integrated services electronic control unit)
14	30		Green	Passenger compartment fan
15	15		Blue	Control panel supply - Windscreen/rear window washer pump - Reversing lights - Digital clock - Catalytic converter control unit (for specific market) - Recharging warning light - Low engine oil pressure warning light - ABI control unit - A.B.S.
16	10		Red	Clock - Courtesy light - Alarm system - Electric aerial - Compact Disc - Anti-theft device receiver



# LIST OF FUSES AND MAIN PROTECTED CIRCUITS

Symbol	Colour	Protected circuit
↔	Brown	Turn signals - Electric mirrors - Anti-theft device receiver Not used
⚡	Yellow	Front fog lamps - Front fog lamps warning light
☑	Green	Electric sunroof (wiring)
🪑	Green	Heated seats (wiring)
🪟	White	Electric windows (integrated services electronic control unit ABI)
🚪	White	Central door locking (ABI integrated services electronic control unit) Not used

## Layout of fuse and relay unit



The connectors cannot be connected incorrectly, because each has its own individual shape.  
The letters for identifying the connectors are the same as those used on the wiring diagrams.

**DESCRIPTION OF CIRCUITS CONNECTED TO EACH INDIVIDUAL CONNECTOR**

**CONNECTOR A**

1. Heater/air conditioner positive
2. Horns
3. Instrument panel
4. Fuel injection electronic control unit
5. Stalk unit
6. Electric windscreen washer pump
7. Reversing light control
8. -
9. -
10. Front fog lamps
11. Reversing light control
12. Engine cooling fan

**CONNECTOR B**

1. Int. services electronic control unit
2. -
3. -
5. -
6. Stalk unit
7. Stalk unit
8. Stalk unit
9. Integrated services electronic control unit
10. unit

**CONNECTOR C**

1. Rear left lights cluster
2. Rear right lights cluster
3. Rear left lights cluster
4. -
5. -
6. -
7. Rear left lights cluster
8. Rear right lights cluster
9. Rear left lights cluster
10. Rear right lights cluster
11. Right number plate light
12. Left number plate light

**CONNECTOR D**

1. Digital clock
2. Instrument panel
3. -
4. -
5. Handbrake on indicator control
6. Instrument panel
7. Instrument panel
8. Instrument panel
9. Instrument panel
10. Instrument panel
11. Instrument panel
12. Instrument panel

**CONNECTOR E**

1. -
2. -
3. Rear right lights cluster
4. Heated rear window
5. Rear window wiper motor
6. -
7. Door lock remote control receiver
8. Rear window wiper motor
9. -
10. -
11. -
12. Fuel gauge sender unit

**CONNECTOR F**

1. -
2. Hazard lights timer
3. Stalk unit
4. Stalk unit
5. Hazard lights timer
6. Rear fog lights control unit
7. -
8. -
9. -
10. -

55.

### CONNECTOR J

1. Stalk unit
2. Stalk unit
3. -
4. 3-diode container
5. -
6. Stalk unit
7. -
8. -

### CONNECTOR I

1. Front left earth
2. Front right lights cluster
3. Front left lights cluster
4. Front right headlamp
5. -
6. Front left headlamp
7. Front right headlamp
8. Windscreen wiper motor
9. Front left headlamp
10. Front left direction indicator and left side repeater
11. Front right direction indicator and right side repeater
12. Engine cooling fan(s) control

### CONNECTOR G

1. Main earth
2. Door lock remote control receiver
3. Electric sunroof button
4. Hazard warning lights timer
5. -
6. Electric heated external rearview mirrors
7. -
8. -
9. Rear fog lamps control unit
10. Switch control unit

**CONNECTOR L:** with 4 pins, not used

**CONNECTOR M:** with 6 pins, not used

### CONNECTOR N

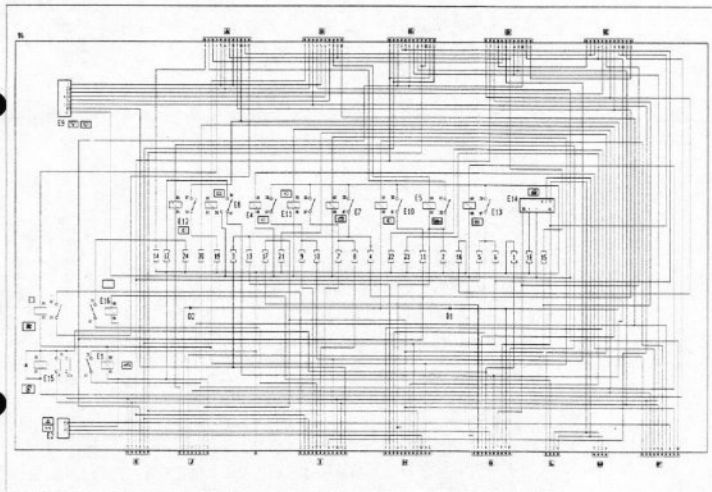
1. Power fuse box

**CONNECTOR K:** with 4 pins, not used

### CONNECTOR H

1. Int. services electronic control unit
2. Electric windows control buttons
3. Ignition switch
4. Cigarette lighter and radio positive
5. Stop lights switch
6. Ignition switch
7. Int. services electronic control unit
8. Lighting for controls on central console
9. Stop light control
10. -
11. Ignition switch
12. -

WIRING DIAGRAM OF INTERNAL CONNECTIONS OF FUSE AND RELAY UNIT



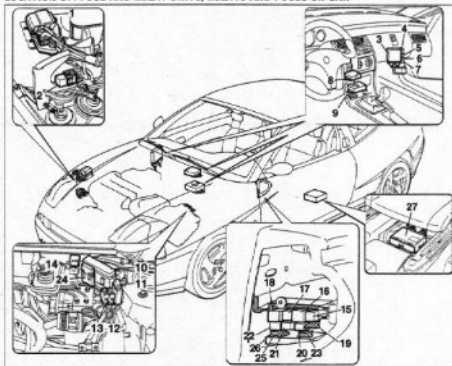
## Electrical system

Various devices

Coupé Fiat 20v  
'96 range

55.

LOCATION OF: FUSE AND RELAY UNITS, RELAYS AND FUSES ON CAR



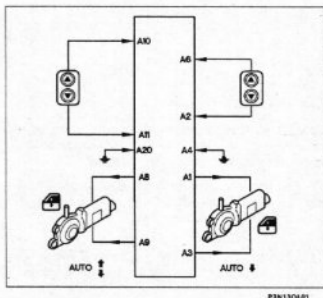
1. Air conditioner control unit
2. Relay for engine cooling fan (version without air conditioner)
3. Fuel injection-ignition control unit
4. 10A fuse for lambda probe
5. 7.5A fuse for electric fuel pump
6. Relay for fuel injection-ignition system
7. Relay for fuel pump and lambda probe
8. Electronic control unit for air conditioner
9. Air Bag control unit
10. Power fuse box
11. 40A fuse for engine cooling fan
12. 10A fuse for fuel injection system
13. 10A fuse for Fiat CODE system
14. Relay for timing variator solenoid
15. Two-diode container
16. Electronic flasher for direction indicators/hazard lights
17. Three-diode container
18. Rear fog lamp control unit
19. 10A fuse for anti-lock braking system (A.B.S.)
20. Rear window washer pump remote switch
21. Windscreen washer pump remote switch
22. Timer for headlamp washer
23. 7.5A fuse for demisting external rearview mirrors
24. 60A fuse for A.B.S.
25. 20A fuse for headlamp washer
26. Fiat CODE electronic control unit
27. Integrated services electronic control unit

### INTEGRATED SERVICES ELECTRONIC CONTROL UNIT

A single electronic control unit, which is located under the driver's seat and covered with carpet, manages in an integrated manner a set of functions and controls which are normally assigned to different separate components.

The various functions performed by the control unit are:

- operation of electric front windows
- door lock/unlock
- switching on of heated rear window and external rearview mirror heating
- time-lagged lighting for car interior
- time-lagged lighting for boot



### ELECTRIC FRONT WINDOWS

The electric front windows can operate as follows:

- automatically for both ascent and descent for the driver's window, descent only for the passenger's window, when the time for operating the control button exceeds 300 milliseconds;
- manually when the time for operating the button is between 60 and 300 milliseconds; it is instead automatic when the button operating time exceeds 300 milliseconds.

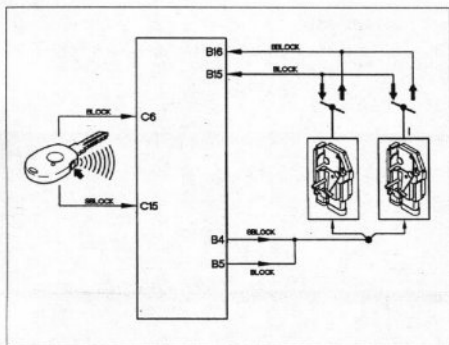
In the first case, pressing the control button again stops the movement of the window glass.

### Safety systems

The stopping of the electric windows (electrical supply to the motor is switched off) is caused by the top or bottom limit switches on the glass being reached, or if an obstacle blocks the window. This is regulated by the control of the motor's direct current, which is self-adaptive.

The electronic control unit behaves as follows:

- if the motor control signal is interrupted during operation, the control unit de-energizes the system within a maximum of 500 milliseconds; this interruption is detected when the current absorbed by the window lift motor, current controlled, becomes less than about 0.8 A;
- if the control buttons are faulty (short circuit, or buttons remaining pressed), when the control unit is activated, the operation of the relevant control is inhibited until the fault disappears (or the button is released) for a period exceeding 60 milliseconds.



P2N14GL01

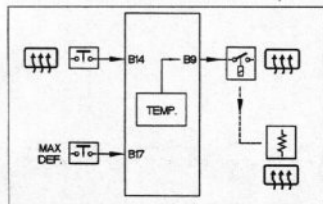
#### DOOR LOCK / UNLOCK

The locks are operated simultaneously by the key, the door knobs or the remote control.

**NOTE** Locking can only take place with the doors properly shut and the locks unlocked. Unlocking is effected with the doors properly shut and the locks locked.

An internal logic in the electronic control unit carries out a series of safety checks:

- at the end of each actuation, it reads the position of the switches. If the position does not correspond to that of the action carried out, a repulsion is activated; if it does correspond, everything remains normal. Repulsion takes place either after a locking manoeuvre or after an unlocking manoeuvre.
- when the command to close is issued to the motors and the operation is not carried out correctly - i.e. the commands do not correspond - or a door is open (only in a locking operation), the circuit then carries out a reverse manoeuvre, i.e. an opposite manoeuvre to try to realign the lock.
- if the control unit detects several consecutive complete lock/unlock manoeuvres - at least 8 within 20 seconds - the system intervenes by operating the manoeuvre limiter, i.e. the system remains inhibited in the unlock position for a period of 30 seconds.
- if the battery voltage falls below 9 V, the system interrupts the operation.



P2N14GL02

#### LAGGED SWITCH-ON OF HEATED REAR WINDOW (and external rearview mirror heating)

The control unit supplies the heated rear window (and the rearview mirror demist heater elements) in a time-lagged manner, with the following logic:

- the ignition is on
- the switch-on signal is received from the switch located on the instrument panel
- the switch-on signal is received from the air conditioner control panel (MAX DEF function).

The supply is interrupted if:

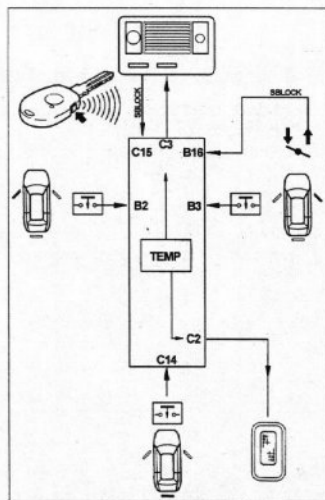
- the ignition key is switched to off (STOP) or withdrawn
- the switch-off signal is received from the switch located on the instrument panel
- the MAX DEF function switch-off signal is received.

If one of these two signals is not received, the timer keeps the resistors supplied for 20 MINUTES, but with a particular control logic:

- the supply is **ALWAYS** maintained during the first 10 MINUTES
- **IN THE NEXT 10 MINUTES** the supply is interrupted if the battery voltage falls below 11.6 V (and is restored if the voltage rises and exceeds 13 V).

When the heated rear window is on, the relevant warning light also stays on.

**NOTE** *The command from the switch on the dashboard always takes priority over that of the MAX DEF function, i.e. if the heated rear window is switched on with the MAX DEF function and the relevant switch on the instrument panel is pressed, the heated rear window is switched off.*



P3N150L01

### TIME LAGGED COURTESY LIGHT

When the doors are unlocked by the key or the remote control, the courtesy light is switched on for a timed period, in accordance with the following logic:

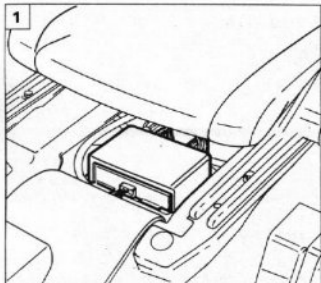
- time lag of 7 SECONDS from the reclosure of the door, which is interrupted when the ignition is switched on; this allows entry into the vehicle and insertion of the key
- time lag of 3 MINUTES if the door remains open; this prevents the battery discharging.

**NOTE** *When any door is opened, the time counting starts from the beginning.*

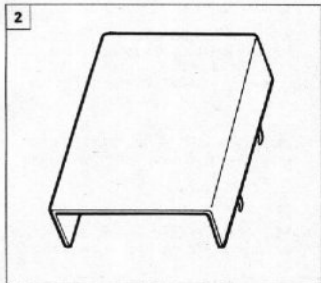
### TIME LAGGED BOOT LIGHT

When the boot lid is opened, the boot light is switched on with a time lag of 20 MINUTES; however, this time lag is interrupted when the lid is closed again.





P2N18QL01



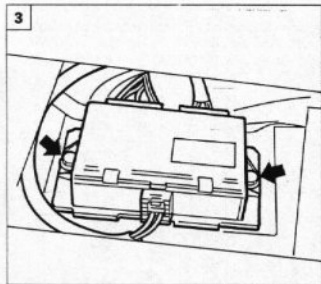
P2N18QL02



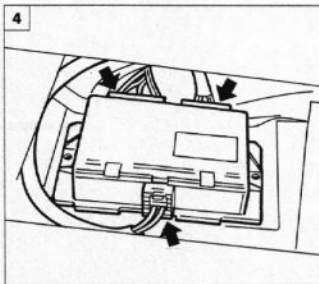
#### REMOVING-REFITTING INTEGRATED SERVICES CONTROL UNIT

1. Move the driver's seat forwards and lift the trim from the car floor.
2. Remove the protective cover located on the services control unit.
3. Undo the two bolts.
4. Remove the control unit from its seating, after disconnecting the three connectors.

**NOTE** To refit, reverse the procedure for removal.

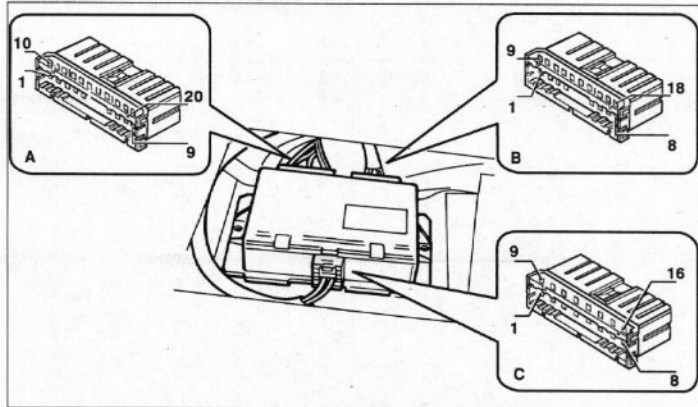


P2N18QL03



P2N18QL04

**DESCRIPTION OF THE CIRCUITS CONNECTED TO EACH INDIVIDUAL CONNECTOR ON THE INTEGRATED SERVICES CONTROL UNIT**



P0N170L01

**Connector A**

- 1 Supply to passenger's el. window motor - ascent
- 2 Passenger's electric window control - descent
- 3 Supply to passenger's el. window motor - descent
- 4 Passenger's electric window earth
- 5 N.C.
- 6 Passenger's electric window control - ascent
- 7 N.C.
- 8 Supply to driver's electric window motor - ascent
- 9 Supply to driver's electric window motor - descent
- 10 Driver's electric window control - ascent
- 11 Driver's electric window control - descent
- 12 Central window open/close control
- 13 N.C.
- 14 N.C.
- 15 Supply +30
- 16 Supply +30
- 17 N.C.
- 18 N.C.
- 19 N.C.
- 20 Driver's electric window earth

**Connector B**

- 1 N.C.
- 2 Driver's door switch for courtesy light
- 3 Passenger's door switch for courtesy light
- 4 Supply to door lock/unlock motors
- 5 Supply to door lock/unlock motors
- 6 Switch-on signal for time-lagged courtesy lights
- 7 Supply +15
- 8 Supply +30
- 9 Supply to heated rear window relay

- 10 N.C.
- 11 N.C.
- 12 N.C.
- 13 Electronics earth
- 14 Heated rear window control
- 15 Locking command from locks (from key or switches)
- 16 Unlocking command from locks (from key or switches)
- 17 Heated rear window control from air conditioner (MAX DEF)

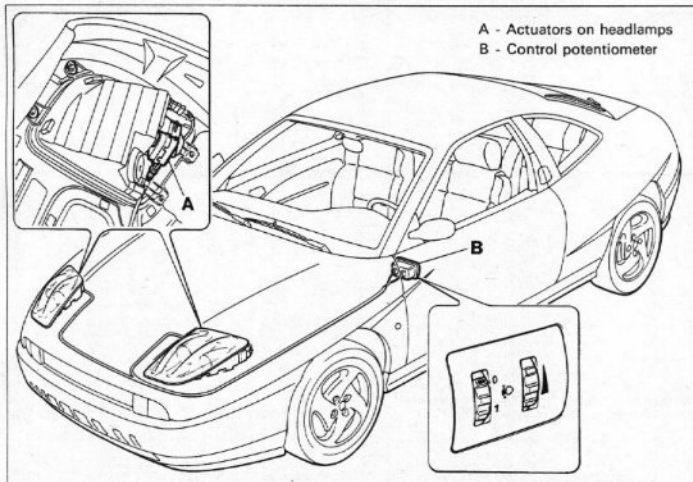
**Connector C**

- 1 N.C.
- 2 Supply to time-lagged boot light
- 3 Supply to time-lagged courtesy light
- 4 N.C.
- 5 N.C.
- 6 Locking command from remote control
- 7 N.C.
- 8 N.C.
- 9 N.C.
- 10 N.C.
- 11 N.C.
- 12 N.C.
- 13 N.C.
- 14 Boot switch for courtesy light
- 15 Unlocking command from remote control
- 16 N.C.

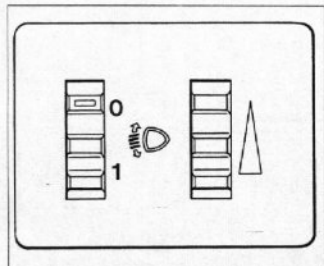
#### ELECTRICAL VERTICAL HEADLAMP ADJUSTER

This device is for obtaining correct vertical adjustment of the dipped beam by means of a manual control located in the interior compartment.

The adjustment is electrical, and it is effected by two actuators (A) mounted directly on the lights clusters. The control (B) is a potentiometer controlled by a knob, which can be adjusted in two different positions, corresponding to the two positions that can be assumed by the lights clusters.



P0N1BQ101

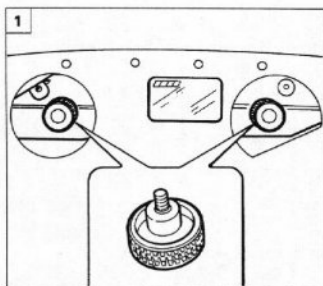


P0N1BQ102

Knob position	Load conditions
0	<ul style="list-style-type: none"> <li>- driver only</li> <li>- driver and passenger on front seat</li> </ul>
1	<ul style="list-style-type: none"> <li>- all seats occupied</li> <li>- all seats occupied plus load in the boot until the maximum load permitted on the rear axle is reached</li> <li>- driver plus 200 kg in boot</li> </ul>



To remove the instrument panel brightness adjuster and headlamp adjuster switch assembly, refer to Sec. 55 of volume 1.



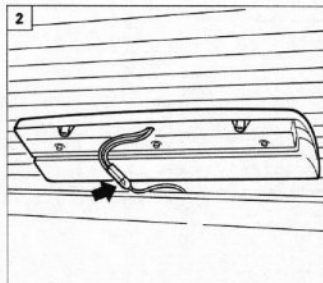
P3N190L01



### ADDITIONAL STOP LIGHT

#### Removing-refitting

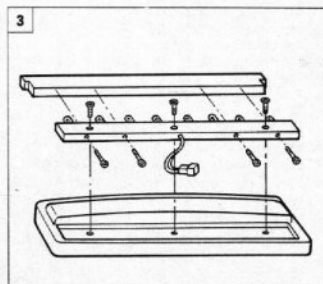
1. Open the boot lid and undo the knobs indicated.



P3N190L02



2. Disconnect connector the additional stop light connector, then withdraw the latter from its seating.



P3N190L03



3. Undo the bolts indicated and withdraw the bulbs, pulling outwards (press fitted).

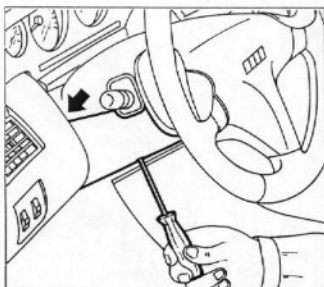
page

**REMOVING - REFITTING AIR-BAG**

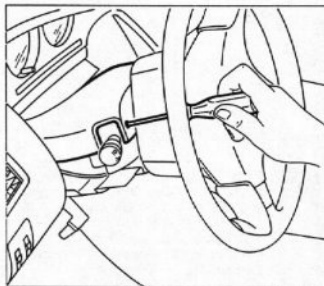
- Removing driver's Air Bag	1
- Removing clock spring	2
- Refitting clock spring	5
- Removing passenger's Air Bag	7
- Checks to be conducted with Fiat Lancia Tester before fitting modules	9
- Refitting Air Bags	10
- Replacing driver's Air Bag	11
- Replacing passenger's Air Bag	12

**PROTECTION AND SAFETY DEVICES**

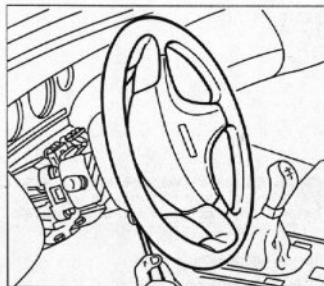
- Main system fuse	13
--------------------	----



P3N10BL01



P3N10BL02



P3N10BL03



## REMOVING DRIVER'S AIR BAG

### Safety measures

Interventions on the components of the Air Bag system must be carried out by properly trained staff, in **STRICT** accordance with the safety measures listed below.

Polyethylene gloves and protective goggles must be worn during removal and refitting operations.

Before removing the Air Bag, disconnect the battery terminals and wait at least 10 minutes.

Do not use naked flames near the Air Bag or the components of the system.

Individual damaged or faulty components must not be repaired or tampered with in any way, but should be fully replaced.

For further information on safety instructions, see page 72 and following of the previous section.

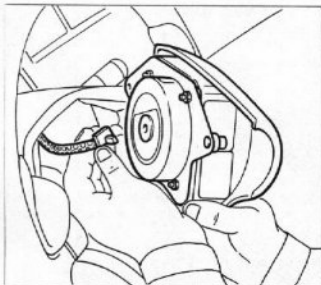
- Undo the four 4 screws located on the bottom shroud and the 2 screws attaching the top trim;
- remove the bottom shroud from the upper steering column;
- turn the steering wheel as appropriate, then remove the top shroud from the steering column by undoing the 2 attachment screws;



- undo the 3 screws securing the Air Bag, located under the steering wheel;



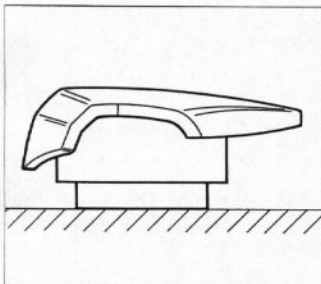
*To access each screw, turn the steering wheel as appropriate, as shown in the figure.*



P3N111L01



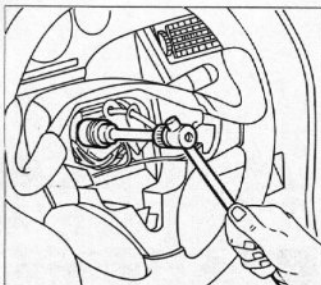
- remove the Air Bag (1) keeping it vertical, then disconnect the white 2-pin connector (2).



P3N111L02



After removal, non-activated Air Bags should be placed immediately in a special cupboard, which is suitably marked and locked. The figure illustrates how the module should be placed, with the metal part resting on the shelf.



P3N111L03



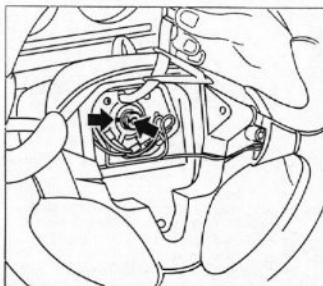
## REMOVING CLOCK SPRING



Line up the wheels and lock them in this position throughout the duration of the operations described below.

## Removing steering wheel

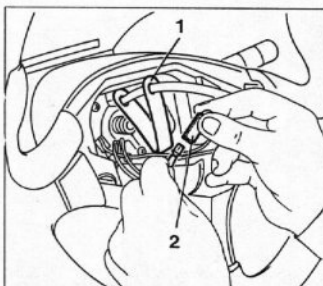
- Undo the steering wheel nut;



P3N12BL01



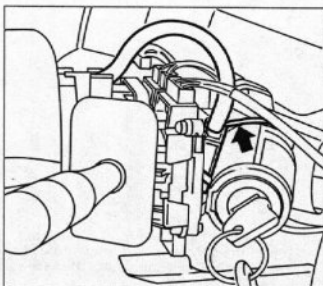
- mark the relative positions between the steering wheel hub and the steering column;



P3N12BL02



- remove the warnings plate (1) and disconnect the horn wiring connector (2);



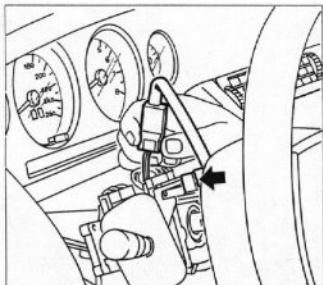
P3N12BL03



- cut the clip securing the Air Bag wiring connector to the ignition switch, to release the wiring;



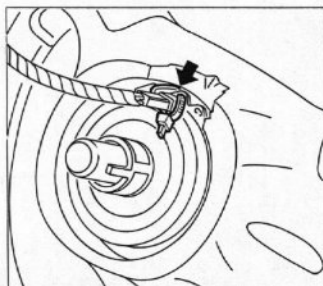
55.



P3N131L01



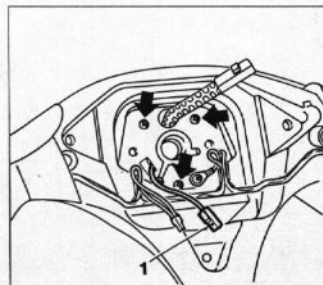
- disconnect the connector between the yellow cable coming from the control unit and the clock spring cable protected by the white spiral sheath;
- gently withdraw the steering wheel by a few centimetres, carefully remove the clock spring cable from the fork seat (on the stalk unit), then completely withdraw the steering wheel, taking care not to rotate the cable away from its dismantling position;



P3N131L02



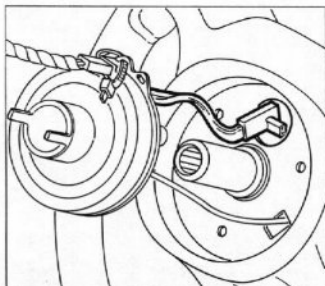
- lock the clock spring in the dismantling position using a clip as shown in the figure;



P3N131L03



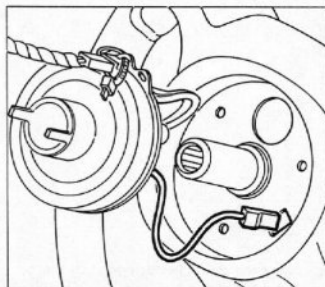
- disconnect the horn supply connector (1);
- undo the 3 screws indicated and disconnect the clock spring from the steering wheel hub;



P3N146L01



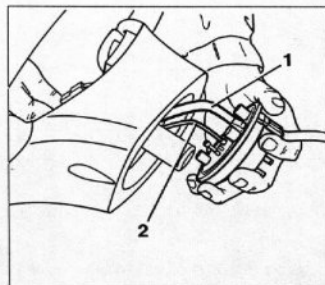
- carefully withdraw the Air Bag supply cable with the 2-pin connector through the hole in the steering wheel hub;



P3N146L02



- carefully withdraw the horn supply cable through the hole in the steering wheel hub.



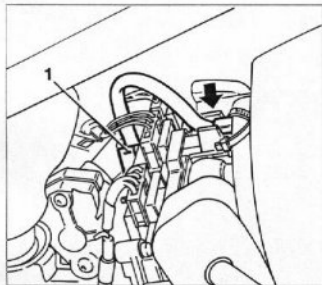
P3N146L03



#### REFITTING CLOCK SPRING

- Insert the Air Bag cable (1) through the round hole;
- insert the horn cable (2) through the rectangular hole;
- fit the clock spring to the steering wheel hub using the 3 attachment screws.

55.



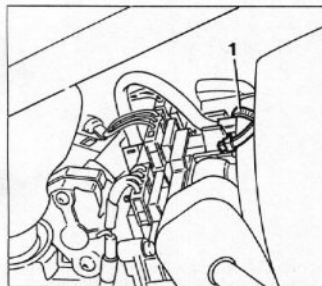
P3N15L01



### Refitting steering wheel

To refit, reverse the procedure for removal, making sure to do the following:

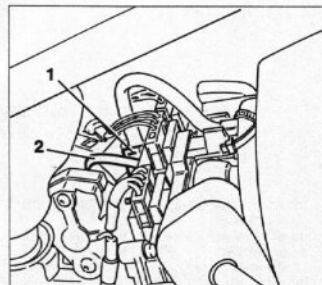
- fit the clock spring cable in the seating on the stalk unit;
- connect the connector (1) to the yellow cable coming from the Air Bag control unit;



P3N15L02



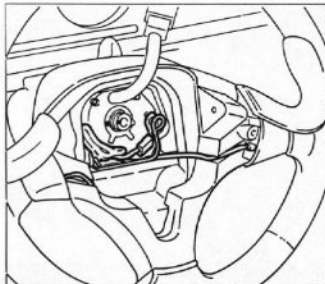
- remove the clip (1) which prevents the rotation of the clock spring;



P3N15L03



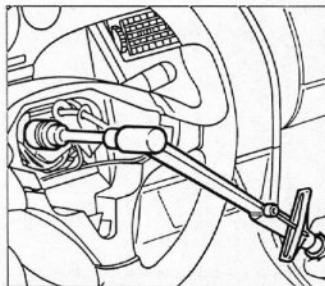
- secure the connector (1) to the ignition block by means of a clip (2);



P3N161L01



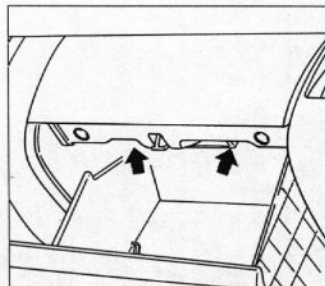
- fit the steering wheel, lining up the reference marks made previously;
- for correct assembly of the Air Bag module, check that the cables inside the space in the steering wheel hub are fitted in their appropriate seats;



P3N161L02



- push the steering wheel downwards in its tapered seating;
- screw on the steering wheel nut and tighten to a torque of 5 daNm;
- DO NOT fit the Air Bag, in order to be able to carry out the operating check on the system as described on page 85.



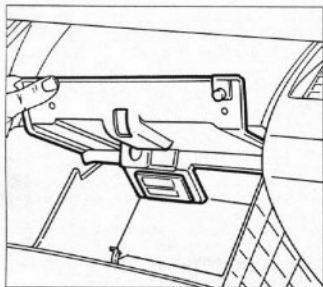
P3N161L03



#### REMOVING PASSENGER'S AIR BAG

- Remove the 4 expansion bolts using tool 1878077000, then remove the guard;

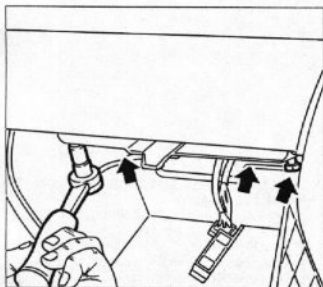
55.



P3N171L01



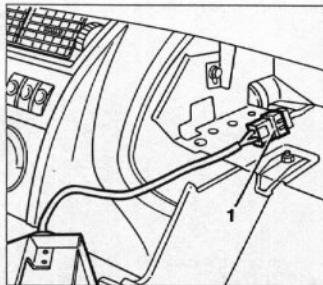
- prise off the glove compartment light bulb and remove the guard;



P3N171L02



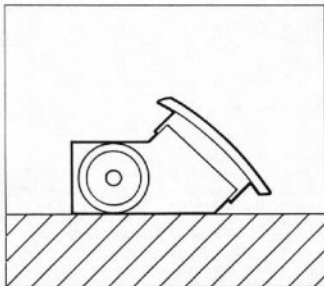
- undo the 4 attachment screws indicated and remove the Air Bag module;



P3N171L03



- carefully withdraw the Air Bag supply cable (1), disconnecting the connector, and remove the Air Bag module.

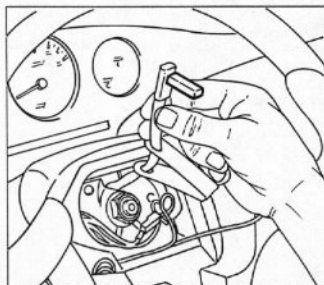


P3N18L01



*After removal, non-activated Air Bags should be placed immediately in a cupboard, which is suitably marked and locked.*

*The figure shows how the module should be placed, with the metal part facing downwards.*

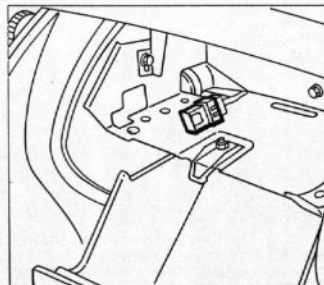


P3N18L02



### CHECKS TO BE CONDUCTED WITH FIAT LANCIA TESTER BEFORE ASSEMBLY OF AIR BAG MODULES

- Fit the specific resistor R40 (2 ohm) on the clock spring's white 2-pin connector;



P3N18L03



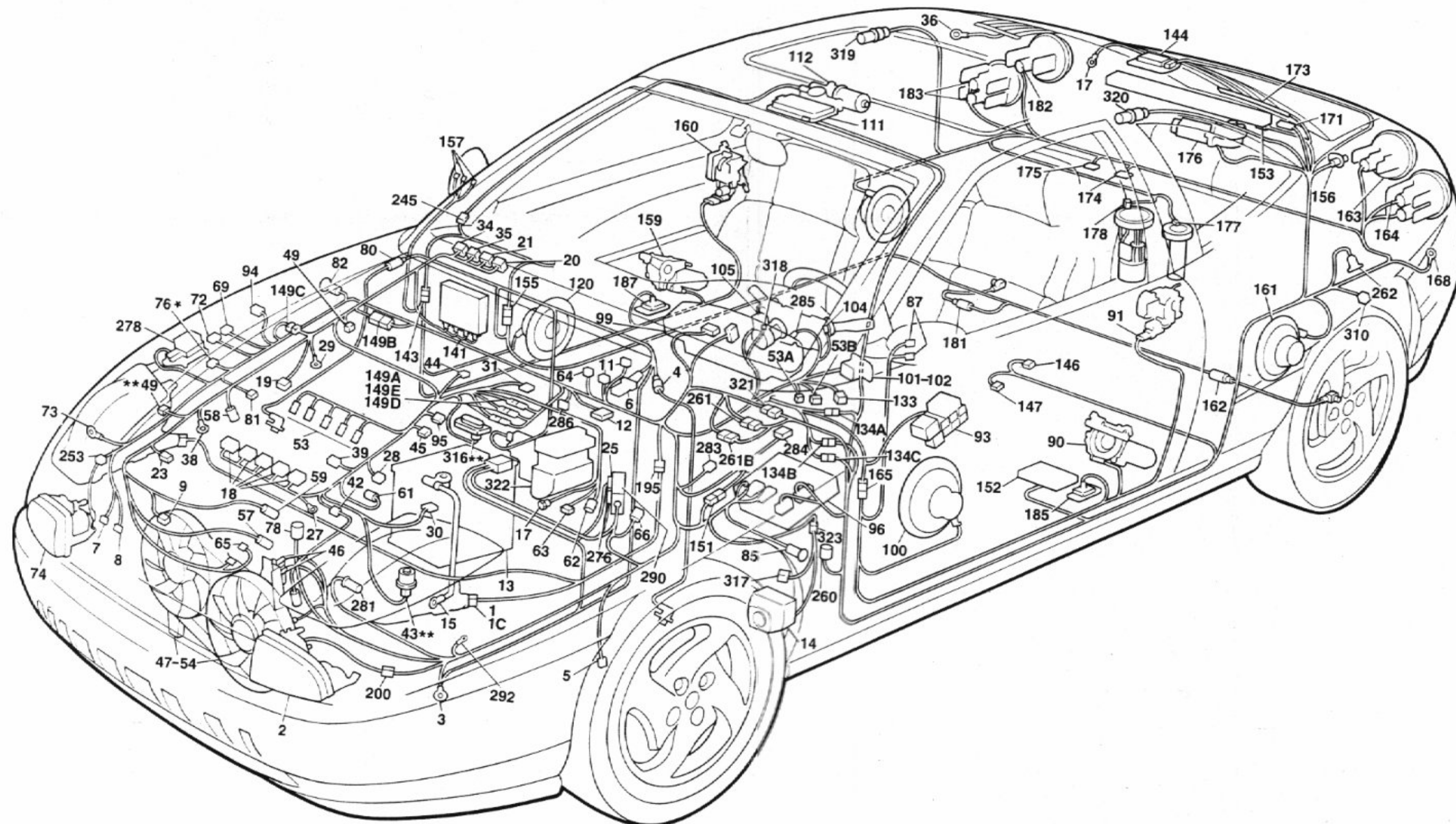
- fit the specific resistor R41 (2 ohm) on the passenger's Air Bag cable;

# Electrical system

## Location of wiring looms

55.

Complete perspective view of location of wiring looms - (See key following diagrams)



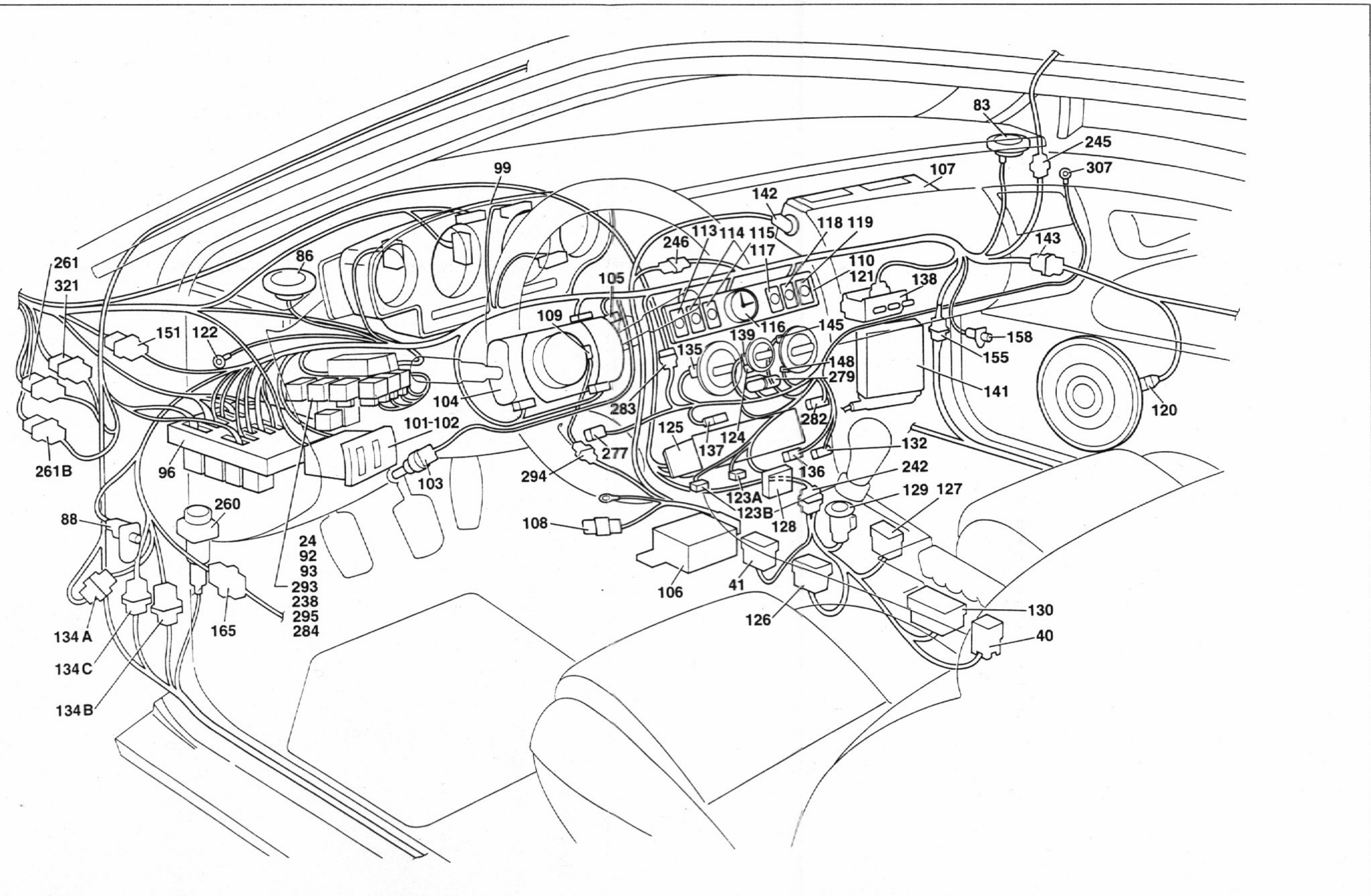
\* Only for version with heating

\*\* Variant connections for turbo version



### 55.

Perspective view of dashboard cables wiring looms - (See key following diagrams)





- I Catalytic converter overheating warning light (specific markets)
- L Rear fog lamps warning light
- K Front fog lamps warning light
- M Heated rear window warning light
- N Low generator charge warning light
- O Fuel injection fault warning light
- P Brake pad wear warning light
- Q Handbrake on and low brake fluid warning light
- R Seat belts unfastened warning light
- S Door open warning light
- U ABS fault warning light
- V Air Bag fault warning light
- W Fiat CODE fault warning light
- X Low engine oil pressure warning light
- Y Side lights warning light
- Y1 Main beam headlamps warning light
- Z Direction indicators warning light
- Z1 Fuel reserve warning light
- 100 Loudspeaker on left door
- 101 Headlamp adjustment control unit
- 102 Symbol illumination brightness adjustment rheostat
- 103 Stop lights switch
- 104 Stalk unit:
  - H Direction indicators stalk
  - I Side lights/dipped beam headlamps stalk
  - L Flasher button
  - M Horn button
  - N Windscreen wash/wipe stalk
  - O Windscreen washer/rear window wash/wipe and headlamp washer button
  - Q Rear window wiper switch
  - R Dipped/main beam headlamps stalk
- 105 Ignition switch
- 106 Air Bag electronic control unit
- 107 Passenger's Air Bag module
- 108 Diagnostic socket for Air Bag
- 109 Driver's Air Bag module
- 110 Switch control unit
- 111 Courtesy light with car interior spot light and remote control receiver
- 111A Door lock remote control receiver
- 112 Electric sunroof
- 113 Rear fog lamps switch
- 114 Front fog lamps switch
- 115 Hazard warning lights switch
- 116 Digital clock
- 117 Button switching on central door locking
- 118 Heated rear window switch
- 119 Anti-theft device warning light on
- 120 Loudspeaker on front right door
- 121 Lighting for symbols in switch control unit
- 122 Earth on body shell, driver's side
- 123A Air conditioner/heater controls lighting
- 123B Air conditioner/heater controls lighting
- 124 Car interior ventilation electronic variator
- 125 Car radio
- 126 Pushbutton unit on central console controlling left electric window
- 127 Pushbutton unit on central console controlling right electric window
- 128 Heater/air conditioner electronic control unit
- 129 Cigarette lighter
- 130 Pushbutton unit electrically-adjustable external rear view mirrors
- 132 Diagnostic socket for heater/air conditioner control
- 133 Intermittent switch for headlamp washer
- 134 Dashboard cable/rear cable connection
- 135 Potentiometer adjusting car interior temperature
- 136 Car interior climate control fan
- 137 Car interior air recirculation actuator
- 138 Glove compartment light bulb
- 139 Car interior ventilation potentiometer
- 141 Electronic ignition and fuel injection control unit
- 142 Air Bag earth
- 143 Dashboard cable /right door cable connection
- 144 Luggage compartment light bulb
- 145 Car interior mixing actuator
- 146 Seat belts unfastened warning light switch
- 147 Handbrake on warning light switch
- 148 MAX DEF selection microswitch
- 149A Front cable/fuel injection cable connection
- 149B Front cable/fuel injection cable connection (timing variator)
- 149C Front cable/fuel injection cable connection (canister solenoid)
- 149D Front cable/fuel injection cable connection (Fiat CODE)
- 149E Front cable/fuel injection cable connection (i.e. system supply)
- 151 Front cable/dashboard cable connection
- 152 Integrated services electronic control unit
- 153 Additional stop light
- 155 Dashboard cable/A.B.S. cable connection
- 156 Boot light button
- 157 Electrically-adjustable and heated right external rearview mirror
- 158 Courtesy light right button
- 159 Right window lift motor
- 160 Right door locking motor and door open indicator
- 161 Rear left loudspeaker
- 162 Sensor on rear left wheel (A.B.S.)
- 163 Rear left lights cluster
  - A Side light
  - B Stop light

- 164 Rear left lights cluster  
 A Direction indicator  
 B Rear fog lamp
- 165 Dashboard cable/left door cable connection
- 168 Rear earth, driver's side
- 171 Wiring connection for aerial with amplifier
- 173 Heated rear window
- 174 Left number plate light
- 175 Right number plate light
- 176 Rear window wiper motor
- 177 Fuel gauge sender unit
- 178 Electric fuel pump
- 180 Rear right loudspeaker
- 181 Sensor on rear right wheel (A.B.S.)
- 182 Rear right lights cluster  
 A Side light  
 B Car stop light
- 183 Rear right lights cluster  
 A Direction indicator  
 B Reversing light
- 185 Left door puddle light bulb
- 187 Right door puddle light bulb
- 195 Headlamp adjuster cables connection
- 200 Front cable/front left lights cluster connection
- 238 10A fuse protecting anti-lock braking system (A.B.S.)
- 242 Dashboard cable/central console connection
- 245 Dashboard cable/electric sunroof cables connection
- 246 Air Bag cables connection
- 250 Front right cable/front right lights cluster connection
- 260 Inertial switch for switching off electric fuel pump
- 261 Front cable/rear cable connection
- 262 Wiring for Compact Disc
- 276 40 A fuse protecting engine cooling fan
- 277 Climate control system treated air temperature sensor
- 278 Fuse and relay holder for air conditioner:  
 A Relay for switching on engine cooling fan 2nd speed  
 B Relay for switching on compressor coupling  
 7.5A fuse protecting electric fan 2nd speed
- 279 Car interior air temperature sensor and buttons for switching on recirculation/air conditioner
- 281 Three-stage pressure-switch for air conditioner
- 282 NTC sensor (anti-frost)
- 283 Connection between engine bay cable and heater/air conditioner cable
- 284 Fiat CODE electronic control unit
- 285 Aerial for Fiat CODE device
- 286 Catalytic converter overheating electronic control unit (specific markets)
- 290 Power fuse box
- 292 Front left earth for anti-lock braking system (A.B.S.)
- 293 2-diode container
- 294 Air Bag cable/clock spring connection

295 7.5 A fuse protecting mirror defrosting system

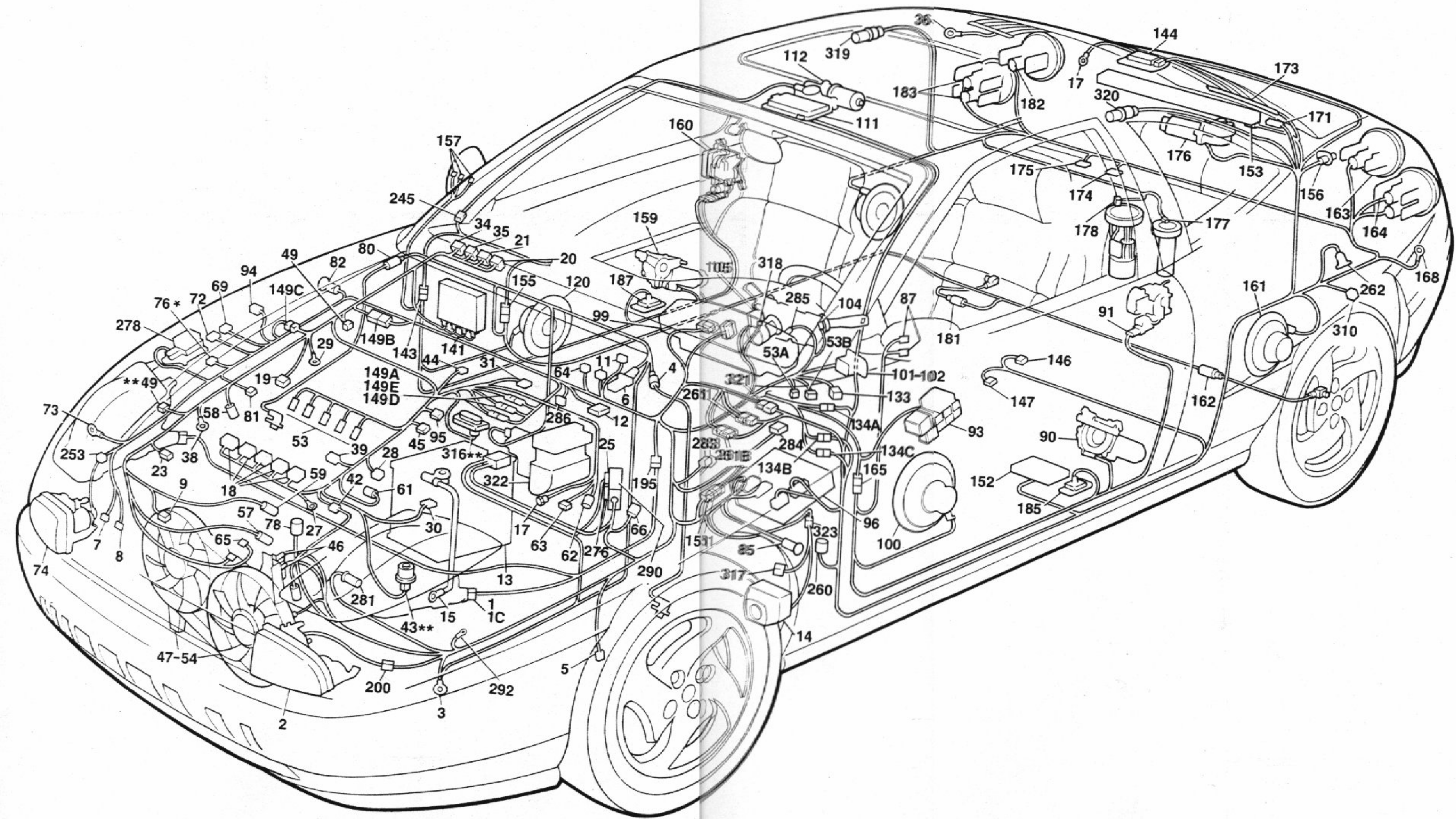
- 307 Earth for car interior fan
- 310 Connection for electric aerial wiring
- 316 Atmospheric pressure sensor
- 317 Diagnostic socket for anti-theft device
- 318 Switch for switching off anti-theft device
- 319 Left volumetric sensor for anti-theft device
- 320 Right volumetric sensor for anti-theft device
- 321 Connection between front cable/anti-theft device
- 322 Electronic control unit for anti-lock braking system (A.B.S.)
- 329 Connection between front cable/anti-theft device

### Cable colour codes

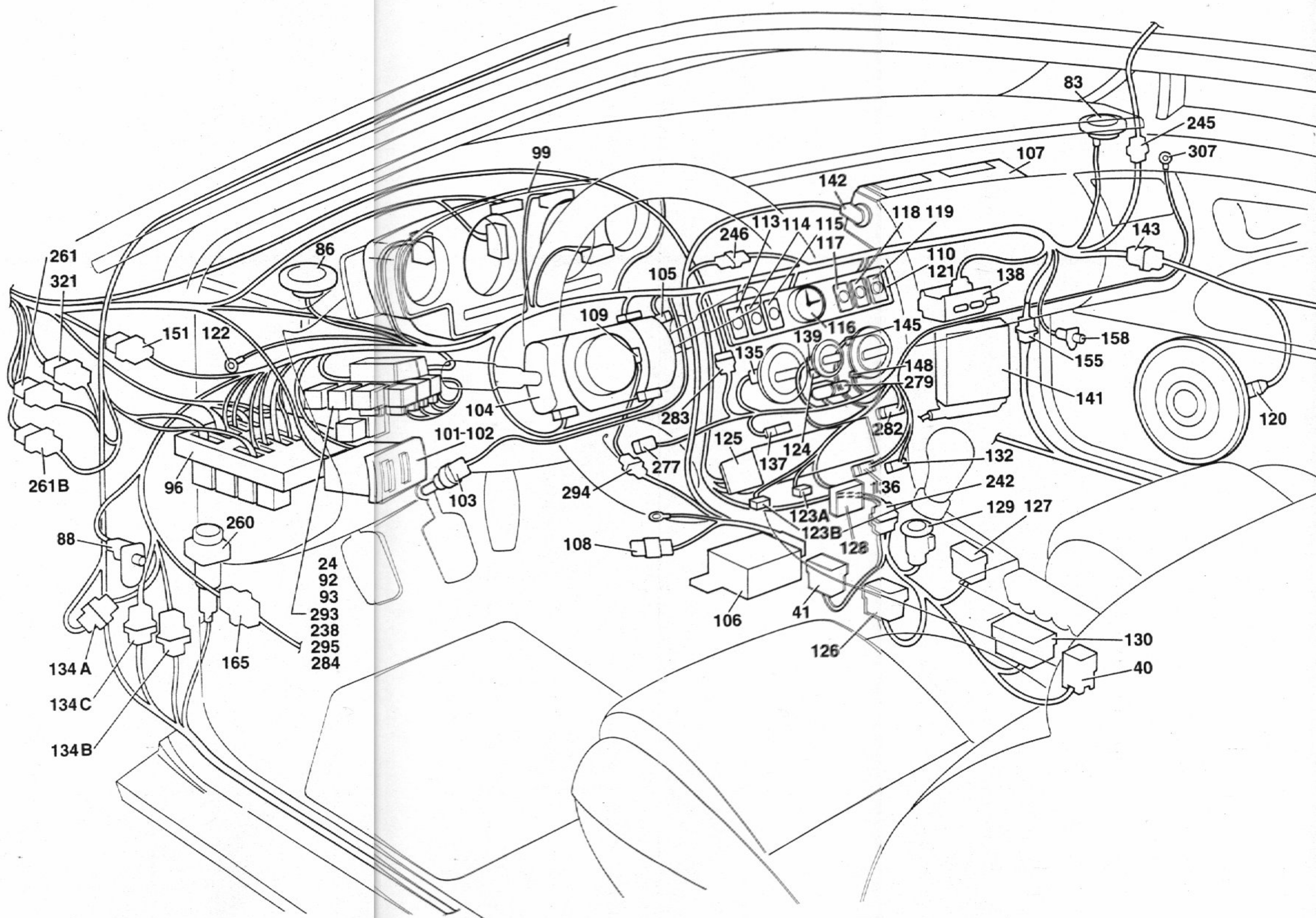
<b>A</b>	Light blue	<b>CN</b>	Orange-Black
<b>B</b>	White	<b>GN</b>	Yellow-Black
<b>C</b>	Orange	<b>GL</b>	Yellow-Blue
<b>G</b>	Yellow	<b>GR</b>	Yellow-Red
<b>H</b>	Grey	<b>GV</b>	Yellow-Green
<b>L</b>	Blue	<b>HG</b>	Grey-Yellow
<b>M</b>	Brown	<b>HN</b>	Grey-Black
<b>N</b>	Black	<b>HR</b>	Grey-Red
<b>R</b>	Red	<b>HV</b>	Grey-Green
<b>S</b>	Pink	<b>LB</b>	Blue-White
<b>V</b>	Green	<b>LG</b>	Blue-Yellow
<b>Z</b>	Purple	<b>LN</b>	Blue-Black
<b>AB</b>	Light blue-White	<b>LR</b>	Blue-Red
<b>AG</b>	Light blue-Yellow	<b>LV</b>	Blue-Green
<b>AN</b>	Light blue-Black	<b>MB</b>	Brown-White
<b>AR</b>	Light blue-Red	<b>MN</b>	Brown-Black
<b>AV</b>	Light blue-Green	<b>NZ</b>	Black-Purple
<b>BG</b>	White-Yellow	<b>RB</b>	Red-White
<b>BL</b>	White-Blue	<b>RG</b>	Red-Yellow
<b>BN</b>	White-Black	<b>RN</b>	Red-Black
<b>BR</b>	White-Red	<b>RV</b>	Red-Green
<b>BV</b>	White-Green	<b>SN</b>	Pink-Black
<b>BZ</b>	White-Purple	<b>VB</b>	Green-White
<b>CA</b>	Orange-Light blue	<b>VN</b>	Green-Black
<b>CB</b>	Orange-White	<b>VR</b>	Green-Red
		<b>ZB</b>	Purple-White

## Key to components:

- 1 Front left headlamp
  - A Dipped headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 2 Front left lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 3 Front left earth
- 4 Sensor on front left wheel (A.B.S.)
- 5 Front left brake pad wear sensor
- 6 Diagnostic socket for anti-lock braking system (A.B.S.)
- 7 Low tone horn
- 8 High tone horn
- 9 Compressor for air conditioner
- 11 Low brake fluid level sensor
- 12 Timing variator relay
- 13 Battery
- 14 Anti-theft electronic control unit
- 15 Earth on bodywork
- 17 Reversing lights switch
- 18 Ignition coils
- 19 Timing variator solenoid
- 20 Fuel pump supply relay
- 21 Injector control relay
- 23 HALL effect phase sensor
- 24 Three-diode container
- 25 A.B.S. maxi fuse
- 27 Earth on engine
- 28 Engine coolant temperature sensor
- 29 Earth on engine
- 30 Air flowmeter
- 31 Throttle valve potentiometer
- 34 10A fuse protecting lambda probe
- 35 7.5 A fuse protecting fuel pump
- 36 Rear earth on rear window pillar
- 38 Knock sensor 1
- 39 Knock sensor 2
- 40 Electric sunroof electronic control unit
- 41 Electric sunroof button
- 42 Heated Lambda probe
- 43 Over-Boost solenoid
- 44 Air temperature sensor
- 45 Rpm and TDC sensor
- 46 Resistor for switching on engine cooling fan low speed
- 47 Engine cooling fan (2nd)
- 49 Diagnostic socket for fuel injection
- 52 Spark plugs
- 53 Fuel injectors
- 53A Windscreen washer remote switch
- 53B Rear window washer remote switch
- 54 Engine cooling fan
- 57 Oil pressure sender unit
- 58 Engine oil temperature sender unit
- 59 Low oil pressure warning light switch
- 61 Engine coolant temperature sender unit
- 62 Pulse generator for speedometer signal
- 63 Starter motor
- 64 Windscreen wiper motor
- 65 Alternator
- 66 10A fuse protecting Fiat CODE electronic control unit
- 69 Windscreen/rear window washer pump
- 72 Headlamp washer pump
- 73 Front right earth
- 74 Front right lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 75 Front right headlamp
  - A Dipped headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 76 Relay for switching on engine cooling fan high speed
- 78 Button on bonnet for switching on anti-theft device
- 80 Sensor on front right wheel (A.B.S.)
- 81 Front right brake pad wear sensor
- 82 Front right side repeater
- 83 Front right speaker
- 85 Front left side repeater
- 86 Front left loudspeaker
- 87 Left electrically-adjustable and heated external rear-view mirror
- 88 Courtesy light front left button
- 90 Left electric window motor
- 91 Left door locking motor and door open indicator
- 92 Hazard warning lights timer
- 93 Front/rear fog lights electronic control unit
- 94 Canister solenoid
- 95 Engine idle speed actuator
- 96 Fuse and relay unit:
  - E1 Sunroof relay (wiring)
  - E2 Spare, not used
  - E3 Engine cooling fan relay
  - E4 Main beam relay
  - E5 Horn relay
  - E6 Heated rear window relay
  - E7 Ignition switch discharge relay
  - E8 Spare, not used
  - E9 Windscreen/rear window wiper intermittent switch
  - E10 Rear fog lamp relay
  - E11 Dipped beam relay
  - E12 Front fog lamp relay
  - E13 Side lights relay
  - E14 Spare, not used
  - E15 Spare, not used
- 99 Instrument panel:
  - A Oil temperature thermometer
  - B Oil pressure gauge
  - C Speedometer
  - D Rev counter
  - E Water temperature gauge
  - F Fuel gauge
  - G Instrument panel lighting bulbs
  - H Heated seats warning light







- I Catalytic converter overheating warning light (specific markets)
- L Rear fog lamps warning light
- K Front fog lamps warning light
- M Heated rear window warning light
- N Low generator charge warning light
- O Fuel injection fault warning light
- P Brake pad wear warning light
- Q Handbrake on and low brake fluid warning light
- R Seat belts unfastened warning light
- S Door open warning light
- U ABS fault warning light
- V Air Bag fault warning light
- W Fiat CODE fault warning light
- X Low engine oil pressure warning light
- Y Side lights warning light
- Y1 Main beam headlamps warning light
- Z Direction indicators warning light
- Z1 Fuel reserve warning light
- 100 Loudspeaker on left door
- 101 Headlamp adjustment control unit
- 102 Symbol illumination brightness adjustment rheostat
- 103 Stop lights switch
- 104 Stalk unit:
  - H Direction indicators stalk
  - I Side lights/dipped beam headlamps stalk
  - L Flasher button
  - M Horn button
  - N Windscreen wash/wipe stalk
  - O Windscreen washer/rear window wash/wipe and headlamp washer button
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  - R Dipped/main beam headlamps stalk
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- 107 Passenger's Air Bag module
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- 118 Heated rear window switch
- 119 Anti-theft device warning light on
- 120 Loudspeaker on front right door
- 121 Lighting for symbols in switch control unit
- 122 Earth on body shell, driver's side
- 123A Air conditioner/heater controls lighting
- 123B Air conditioner/heater controls lighting
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- 129 Cigarette lighter
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- 132 Diagnostic socket for heater/air conditioner control
- 133 Intermittent switch for headlamp washer
- 134 Dashboard cable/rear cable connection
- 135 Potentiometer adjusting car interior temperature
- 136 Car interior climate control fan
- 137 Car interior air recirculation actuator
- 138 Glove compartment light bulb
- 139 Car interior ventilation potentiometer
- 141 Electronic ignition and fuel injection control unit
- 142 Air Bag earth
- 143 Dashboard cable /right door cable connection
- 144 Luggage compartment light bulb
- 145 Car interior mixing actuator
- 146 Seat belts unfastened warning light switch
- 147 Handbrake on warning light switch
- 148 MAX DEF selection microswitch
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- 149B Front cable/fuel injection cable connection (timing variator)
- 149C Front cable/fuel injection cable connection (canister solenoid)
- 149D Front cable/fuel injection cable connection (Fiat CODE)
- 149E Front cable/fuel injection cable connection (i.e. system supply)
- 151 Front cable/dashboard cable connection
- 152 Integrated services electronic control unit
- 153 Additional stop light
- 155 Dashboard cable/A.B.S. cable connection
- 156 Boot light button
- 157 Electrically-adjustable and heated right external rearview mirror
- 158 Courtesy light right button
- 159 Right window lift motor
- 160 Right door locking motor and door open indicator
- 161 Rear left loudspeaker
- 162 Sensor on rear left wheel (A.B.S.)
- 163 Rear left lights cluster
  - A Side light
  - B Stop light

- 164 Rear left lights cluster  
 A Direction indicator  
 B Rear fog lamp  
 165 Dashboard cable/left door cable connection  
 168 Rear earth, driver's side  
 171 Wiring connection for aerial with amplifier  
 173 Heated rear window  
 174 Left number plate light  
 175 Right number plate light  
 176 Rear window wiper motor  
 177 Fuel gauge sender unit  
 178 Electric fuel pump  
 180 Rear right loudspeaker  
 181 Sensor on rear right wheel (A.B.S.)  
 182 Rear right lights cluster  
 A Side light  
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 183 Rear right lights cluster  
 A Direction indicator  
 B Reversing light  
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 187 Right door puddle light bulb  
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 242 Dashboard cable/central console connection  
 245 Dashboard cable/electric sunroof cables connection  
 246 Air Bag cables connection  
 253 Front right cable/front right lights cluster connection  
 260 Inertial switch for switching off electric fuel pump  
 261 Front cable/rear cable connection  
 262 Wiring for Compact Disc  
 276 40 A fuse protecting engine cooling fan  
 277 Climate control system treated air temperature sensor  
 278 Fuse and relay holder for air conditioner:  
 A Relay for switching on engine cooling fan 2nd speed  
 B Relay for switching on compressor coupling  
 7.5A fuse protecting electric fan 2nd speed  
 279 Car interior air temperature sensor and buttons for switching on recirculation/air conditioner  
 281 Three-stage pressure-switch for air conditioner  
 282 NTC sensor (anti-frost)  
 283 Connection between engine bay cable and heater/air conditioner cable  
 284 Fiat CODE electronic control unit  
 285 Aerial for Fiat CODE device  
 286 Catalytic converter overheating electronic control unit (specific markets)  
 290 Power fuse box  
 292 Front left earth for anti-lock braking system (A.B.S.)  
 293 2-diode container  
 294 Air Bag cable/clock spring connection

- 295 7.5 A fuse protecting mirror defrosting system  
 307 Earth for car interior fan  
 310 Connection for electric aerial wiring  
 316 Atmospheric pressure sensor  
 317 Diagnostic socket for anti-theft device  
 318 Switch for switching off anti-theft device  
 319 Left volumetric sensor for anti-theft device  
 320 Right volumetric sensor for anti-theft device  
 321 Connection between front cable/anti-theft device  
 322 Electronic control unit for anti-lock braking system (A.B.S.)  
 329 Connection between front cable/anti-theft device

# **Cable colour codes**

<b>A</b>	Light blue	<b>CN</b>	Orange-Black
<b>B</b>	White	<b>GN</b>	Yellow-Black
<b>C</b>	Orange	<b>GL</b>	Yellow-Blue
<b>G</b>	Yellow	<b>GR</b>	Yellow-Red
<b>H</b>	Grey	<b>GV</b>	Yellow-Green
<b>L</b>	Blue	<b>HG</b>	Grey-Yellow
<b>M</b>	Brown	<b>HN</b>	Grey-Black
<b>N</b>	Black	<b>HR</b>	Grey-Red
<b>R</b>	Red	<b>HV</b>	Grey-Green
<b>S</b>	Pink	<b>LB</b>	Blue-White
<b>V</b>	Green	<b>LG</b>	Blue-Yellow
<b>Z</b>	Purple	<b>LN</b>	Blue-Black
<b>AB</b>	Light blue-White	<b>LR</b>	Blue-Red
<b>AG</b>	Light blue-Yellow	<b>LV</b>	Blue-Green
<b>AN</b>	Light blue-Black	<b>MB</b>	Brown-White
<b>AR</b>	Light blue-Red	<b>MN</b>	Brown-Black
<b>AV</b>	Light blue-Green	<b>NZ</b>	Black-Purple
<b>BG</b>	White-Yellow	<b>RB</b>	Red-White
<b>BL</b>	White-Blue	<b>RG</b>	Red-Yellow
<b>BN</b>	White-Black	<b>RN</b>	Red-Black
<b>BR</b>	White-Red	<b>RV</b>	Red-Green
<b>BV</b>	White-Green	<b>SN</b>	Pink-Black
<b>BZ</b>	White-Purple	<b>VB</b>	Green-White
<b>CA</b>	Orange-Light blue	<b>VN</b>	Green-Black
<b>CB</b>	Orange-White	<b>VR</b>	Green-Red
		<b>ZB</b>	Purple-White

# Key to components:

- 1 Front left headlamp
  - A Dipped headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 2 Front left lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 3 Front left earth
- 4 Sensor on front left wheel (A.B.S.)
- 5 Front left brake pad wear sensor
- 6 Diagnostic socket for anti-lock braking system (A.B.S.)
- 7 Low tone horn
- 8 High tone horn
- 9 Compressor for air conditioner
- 11 Low brake fluid level sensor
- 12 Timing variator relay
- 13 Battery
- 14 Anti-theft electronic control unit
- 15 Earth on bodywork
- 17 Reversing lights switch
- 18 Ignition coils
- 19 Timing variator solenoid
- 20 Fuel pump supply relay
- 21 Injector control relay
- 23 HALL effect phase sensor
- 24 Three-diode container
- 25 A.B.S. maxi fuse
- 27 Earth on engine
- 28 Engine coolant temperature sensor
- 29 Earth on engine
- 30 Air flowmeter
- 31 Throttle valve potentiometer
- 34 10A fuse protecting lambda probe
- 35 7.5 A fuse protecting fuel pump
- 36 Rear earth on rear window pillar
- 38 Knock sensor 1
- 39 Knock sensor 2
- 40 Electric sunroof electronic control unit
- 41 Electric sunroof button
- 42 Heated Lambda probe
- 43 Over-Boost solenoid
- 44 Air temperature sensor
- 45 Rpm and TDC sensor
- 46 Resistor for switching on engine cooling fan low speed
- 47 Engine cooling fan (2nd)
- 49 Diagnostic socket for fuel injection
- 52 Spark plugs
- 53 Fuel injectors
- 53A Windscreen washer remote switch
- 53B Rear window washer remote switch
- 54 Engine cooling fan
- 57 Oil pressure sender unit
- 58 Engine oil temperature sender unit
- 59 Low oil pressure warning light switch
- 61 Engine coolant temperature sender unit
- 62 Pulse generator for speedometer signal
- 63 Starter motor
- 64 Windscreen wiper motor
- 65 Alternator
- 66 10A fuse protecting Fiat CODE electronic control unit
- 69 Windscreen/rear window washer pump
- 72 Headlamp washer pump
- 73 Front right earth
- 74 Front right lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 75 Front right headlamp
  - A Dipped headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 76 Relay for switching on engine cooling fan high speed
- 78 Button on bonnet for switching on anti-theft device
- 80 Sensor on front right wheel (A.B.S.)
- 81 Front right brake pad wear sensor
- 82 Front right side repeater
- 83 Front right speaker
- 85 Front left side repeater
- 86 Front left loudspeaker
- 87 Left electrically-adjustable and heated external rear-view mirror
- 88 Courtesy light front left button
- 90 Left electric window motor
- 91 Left door locking motor and door open indicator
- 92 Hazard warning lights timer
- 93 Front/rear fog lights electronic control unit
- 94 Canister solenoid
- 95 Engine idle speed actuator
- 96 Fuse and relay unit:
  - E1 Sunroof relay (wiring)
  - E2 Spare, not used
  - E3 Engine cooling fan relay
  - E4 Main beam relay
  - E5 Horn relay
  - E6 Heated rear window relay
  - E7 Ignition switch discharge relay
  - E8 Spare, not used
  - E9 Windscreen/rear window wiper intermittent switch
  - E10 Rear fog lamp relay
  - E11 Dipped beam relay
  - E12 Front fog lamp relay
  - E13 Side lights relay
  - E14 Spare, not used
  - E15 Spare, not used
- 99 Instrument panel:
  - A Oil temperature thermometer
  - B Oil pressure gauge
  - C Speedometer
  - D Rev counter
  - E Water temperature gauge
  - F Fuel gauge
  - G Instrument panel lighting bulbs
  - H Heated seats warning light



NAME	VERSIONS AND ENGINES	
	ASPIRATED	TURBO
	2000 16v	2000 16v
Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights	1	1
Direction indicators and warning lamp - Hazard warning lights and warning lamp - Braking lights - Reversing light	2	2
Front fog lamps and warning light - Rear fog lamp and warning light	3	3
Version without air conditioner Engine cooling system - Car interior ventilation - Water temperature gauge	4	4
Version with air conditioner Engine cooling system - Water temperature gauge	5	6
Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear window and warning light	7	8
Electric front windows	9	9
Central door locking system - Door open warning light	10	10
Anti-lock braking system and fault warning light	11	11
Electrically-adjustable and heated exterior rearview mirrors	12	12
AIR BAG and fault warning light	13	13
Electric sunroof - Headlamp adjuster	14	14

NOTE The numbers in the table correspond to the page numbers in the Electrical Section of the manual.

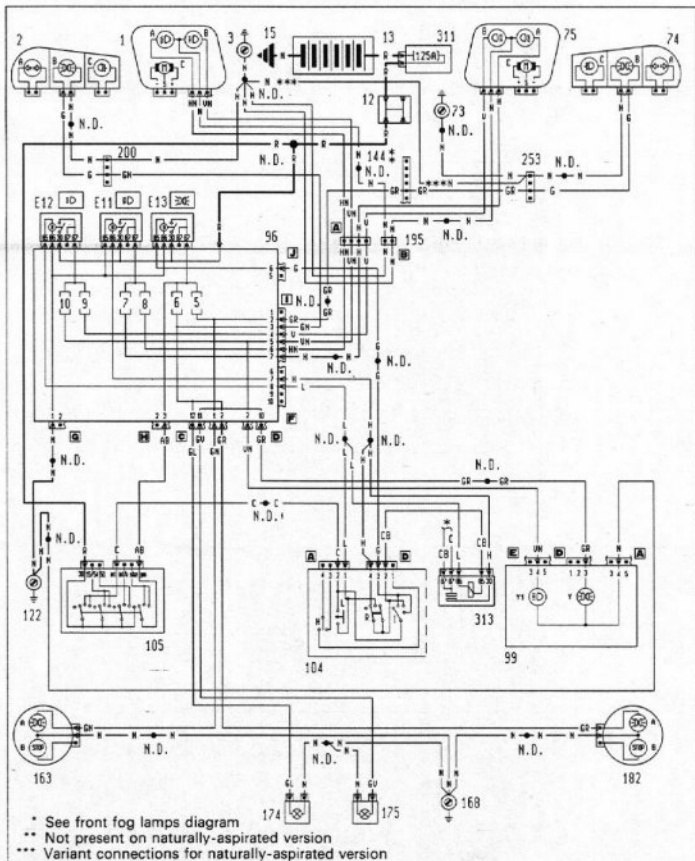
000111

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NAME	VERSIONS AND ENGINES	
	ASPIRATED	TURBO
	2000 16v	2000 18v
FIAT-CODE system	15	15
Starter - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - FIAT-CODE system warning light	16	
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Catalytic converter overheating warning light - Rev counter - FIAT-CODE system warning light		17
Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Low brake fluid level and handbrake on warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Digital clock - Engine oil pressure gauge	18	18
Courtesy light - Symbol illumination - Glove compartment light - Luggage compartment light - Wiring for car radio with amplified aerial - Puddle light - Cigarette lighter	19	19
Air conditioner	20	21
Instrument panel connections	22	23
Alarm system	24	24
Fuse and relay unit	25	25

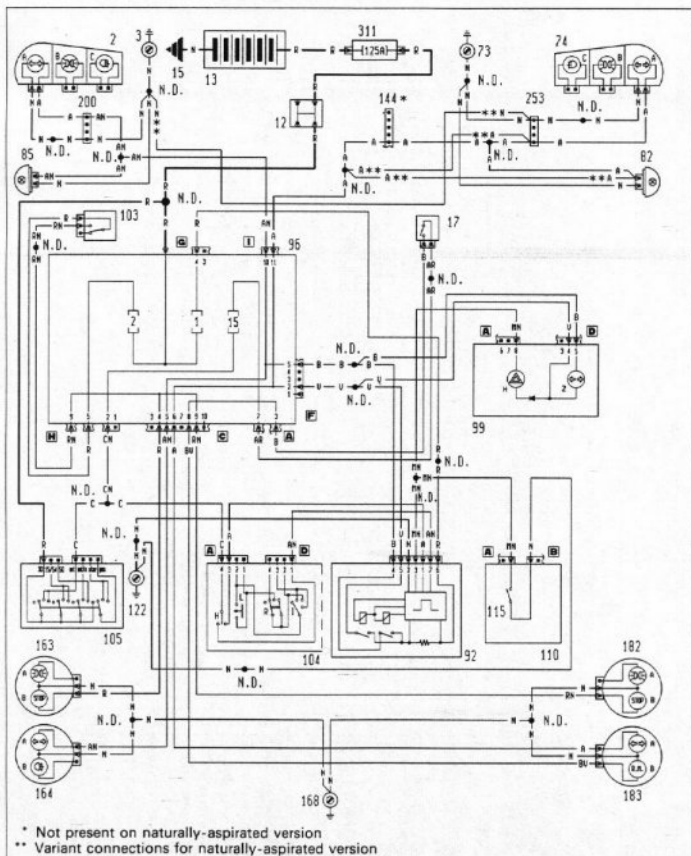
NOTE The numbers in the table correspond to the page number in the Electrical Section of the manual.

Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights - (See key following diagrams)



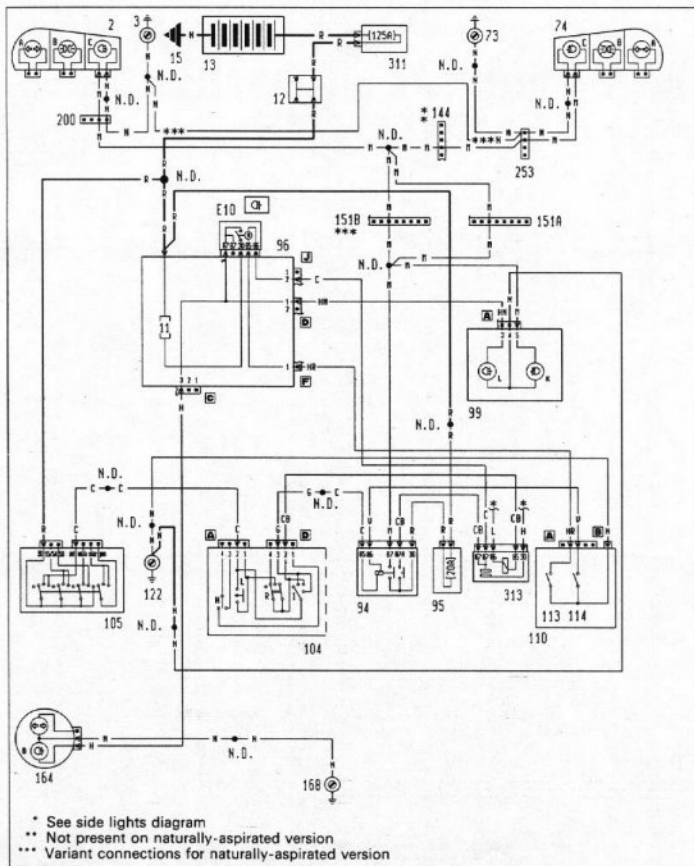
55.

Direction indicators and warning lamp - Hazard warning lights and warning lamp - Braking lights - Reversing light - (See key following diagrams)



P33002.L01

Front fog lamps and warning light - Rear fog lamp and warning light - (See key following diagrams)

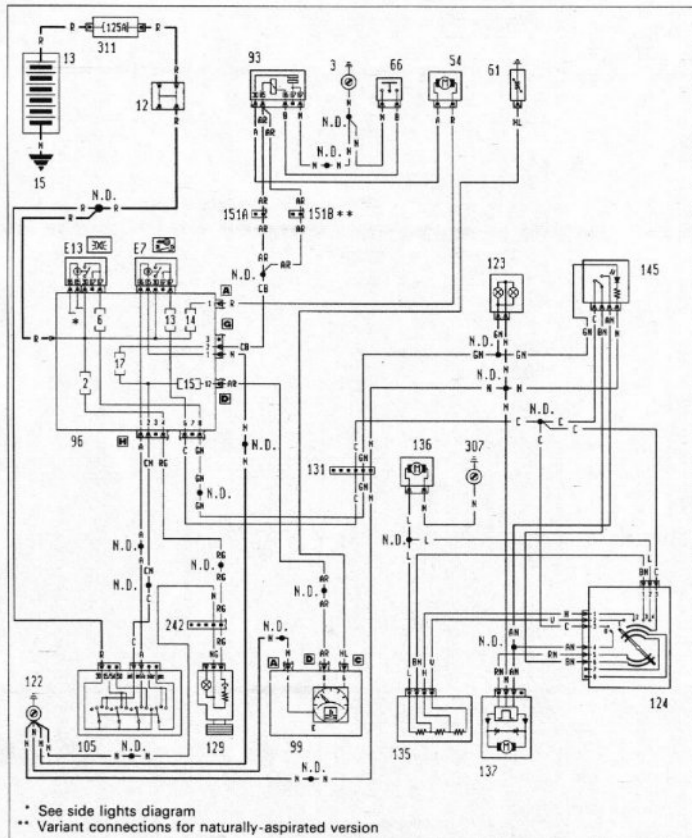


P3N03LL01

## 55.

Version without air conditioner

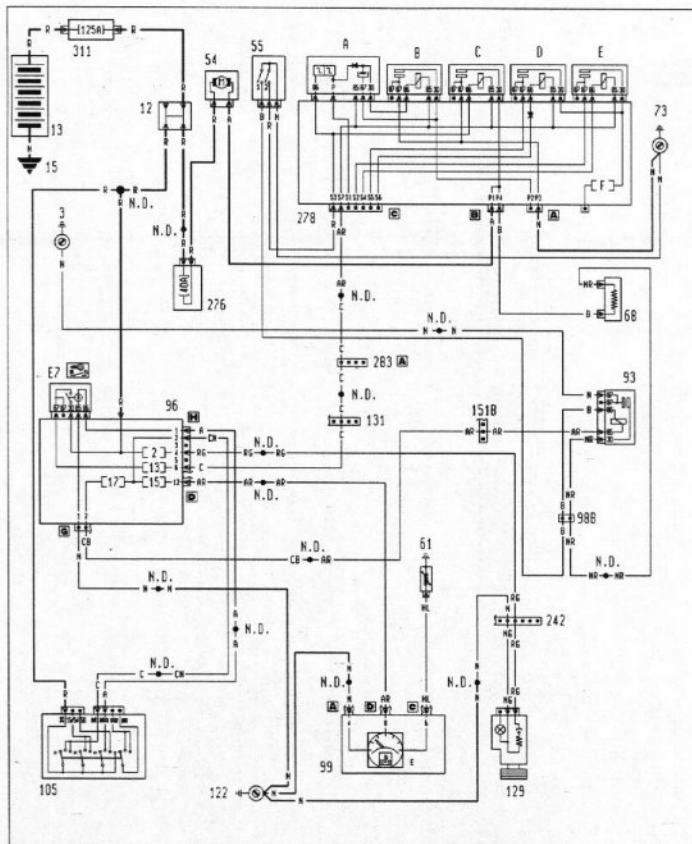
Engine cooling system - Car interior ventilation - Water temperature gauge - (See key following diagrams)



F3294LL01

Naturally-aspirated version with air conditioner

Engine cooling system - Water temperature gauge - (See key following diagrams)

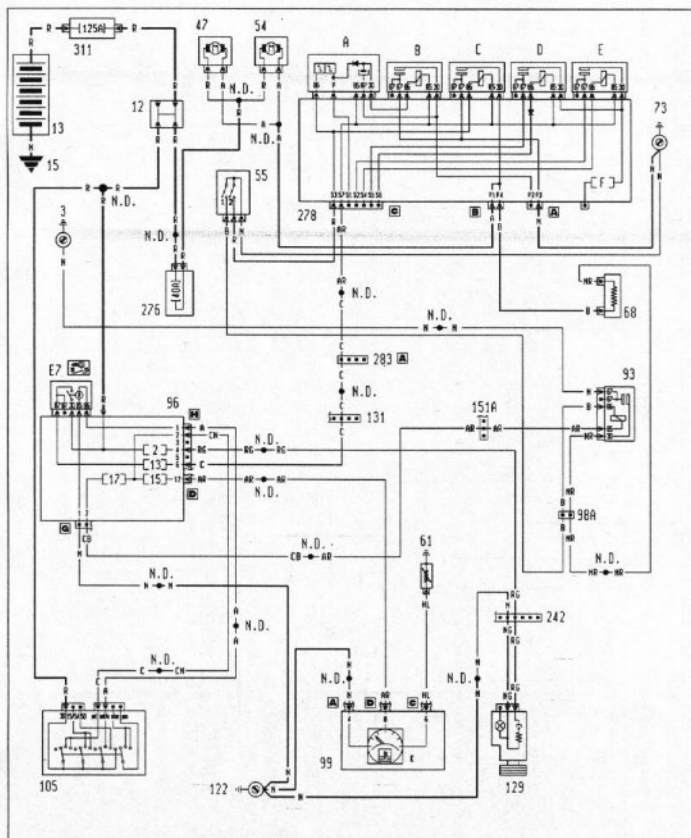


P3106LL01

## 55.

Turbo version with air conditioner

Engine cooling system - Water temperature gauge - (See key following diagrams)

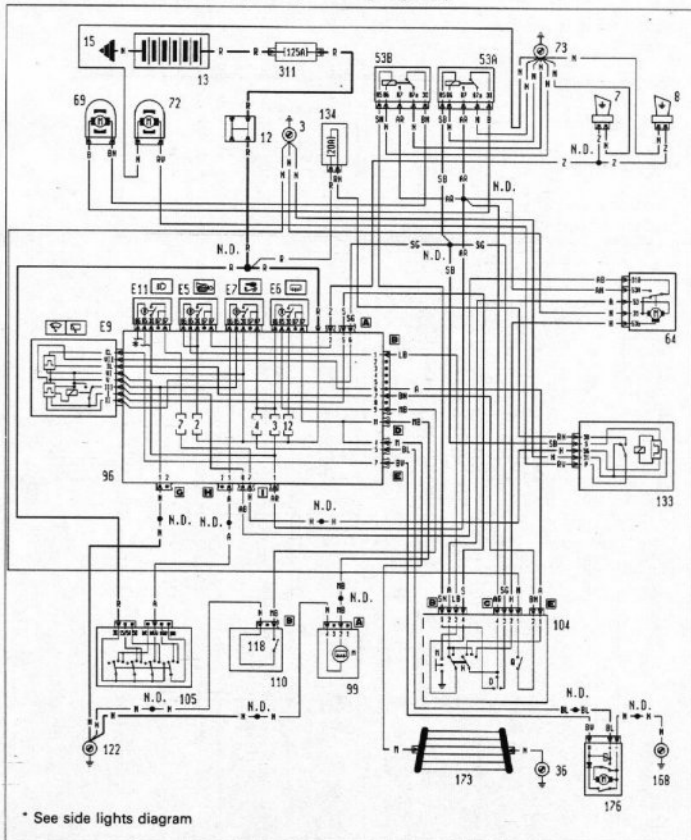


PONBELL01



## Naturally-aspirated version

Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear window and warning light - (See key following diagrams)

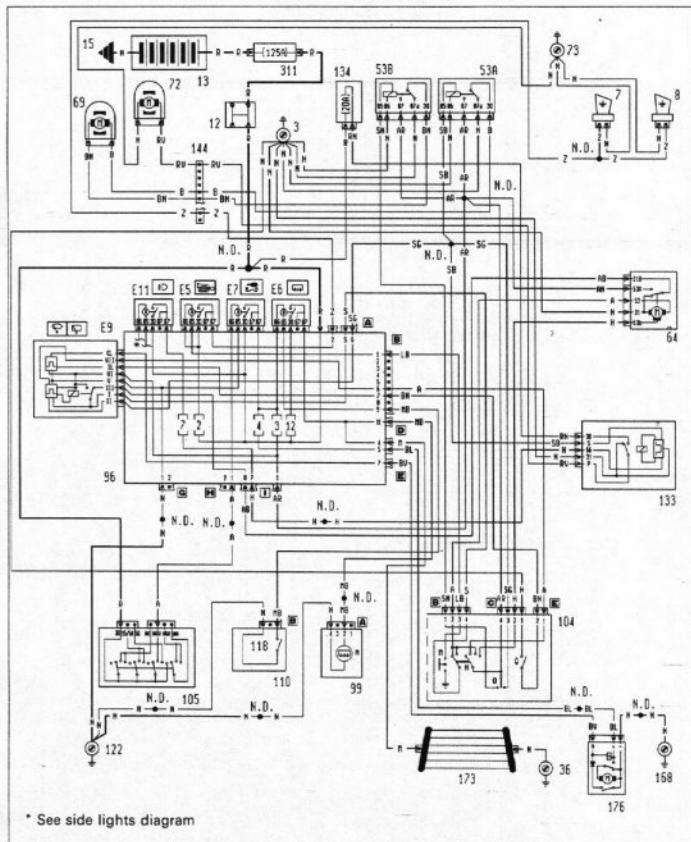


P3N07L01

## Wiring diagrams

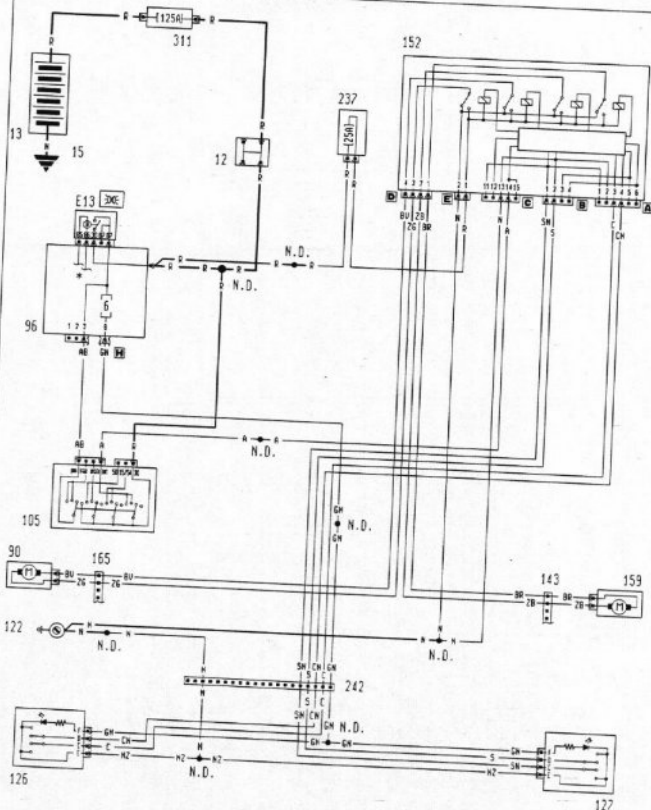
**55.**

Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear window and warning light - (See key following diagrams)



STANDARD LOT

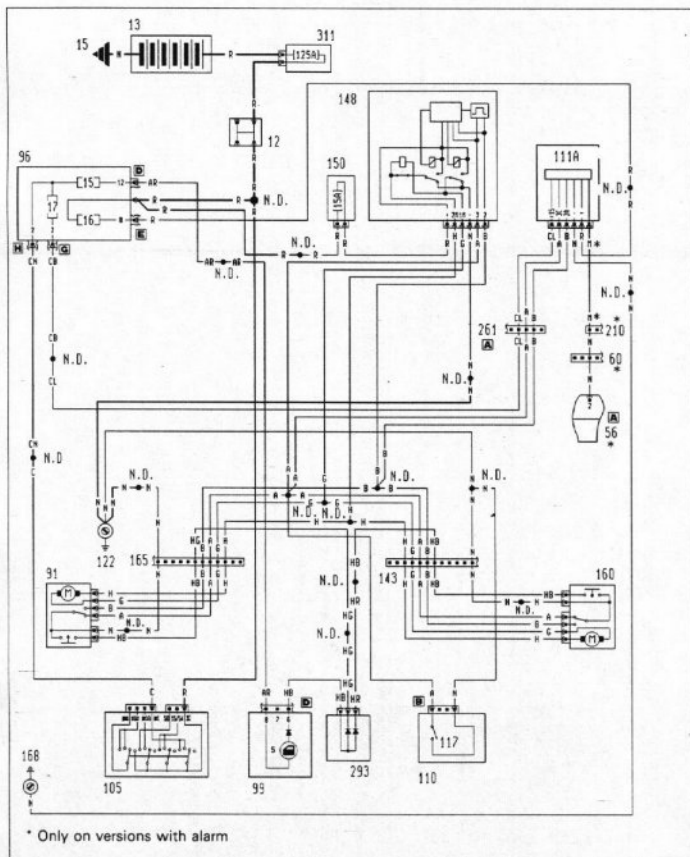
Electric front windows - (See key following diagrams)



\* See side lights diagram

**55.**

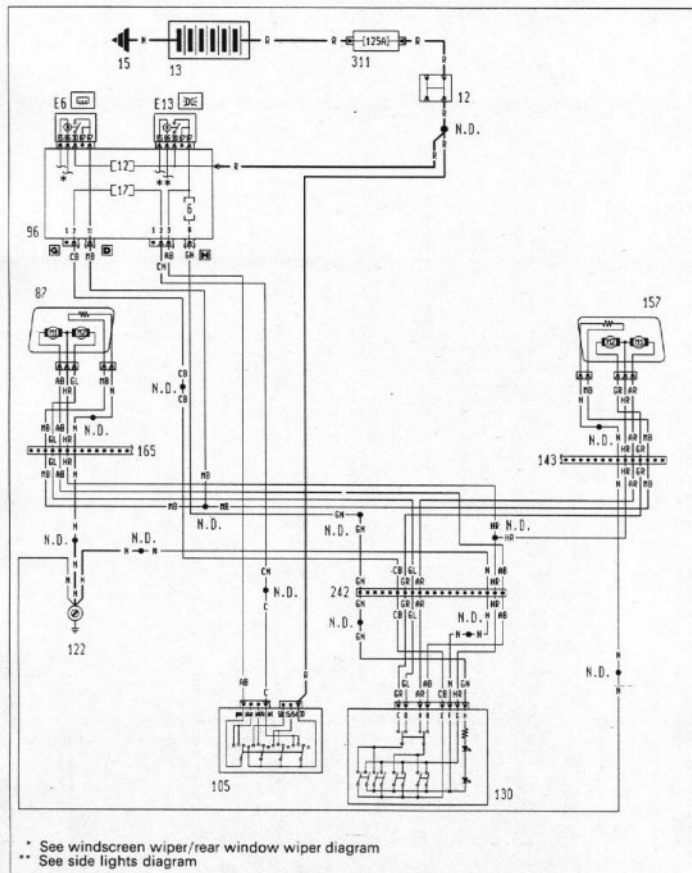
**Central door locking system - Door open warning light - (See key following diagrams)**





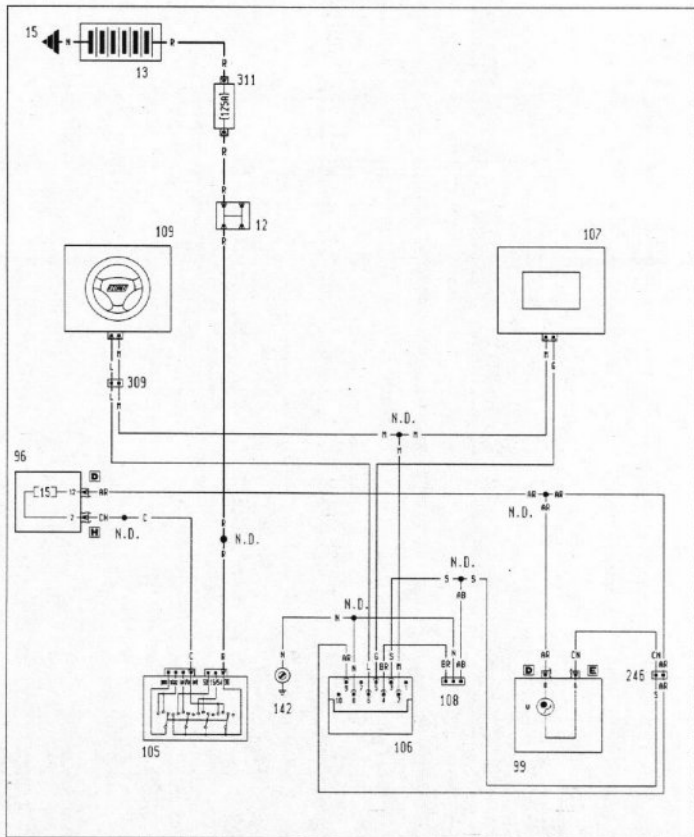
## 55.

Electrically-adjustable and heated external rearview mirrors - (See key following diagrams)



P3N12LL01

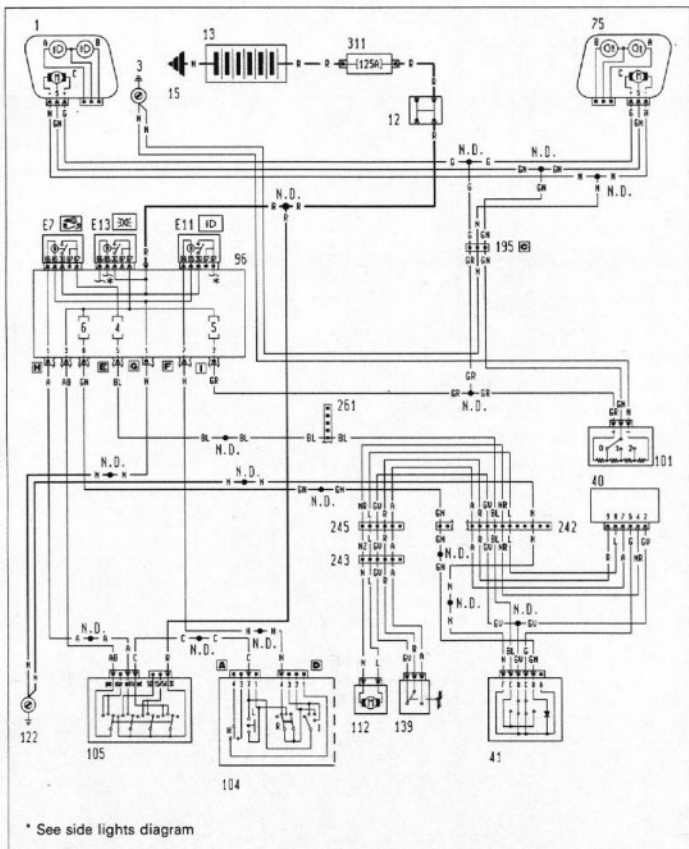
Air Bag and fault warning light - (See key following diagrams)



P0N13LL01

## 55.

Electric sunroof - Headlamp adjuster - (See key following diagrams)

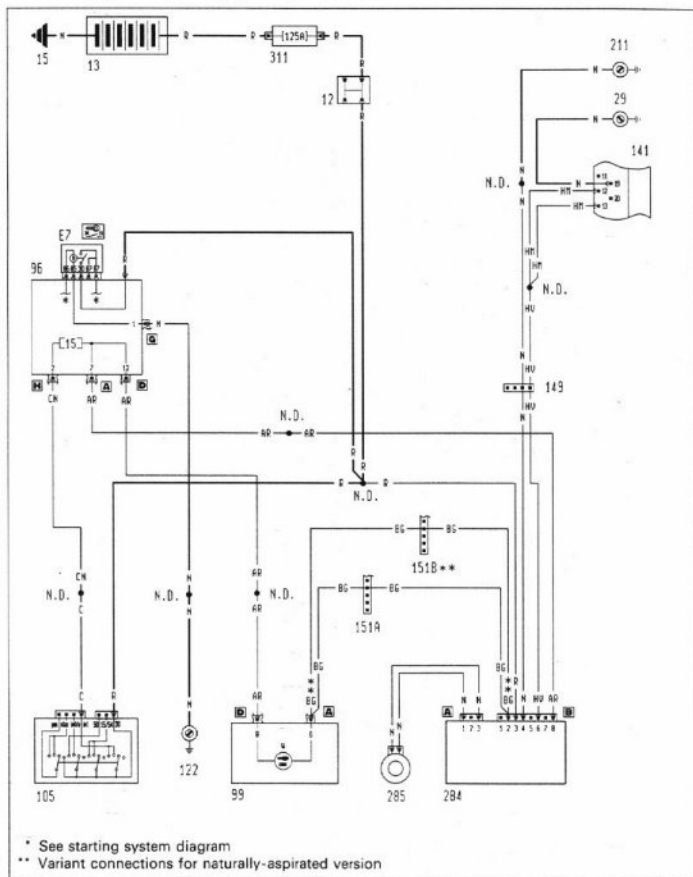


\* See side lights diagram

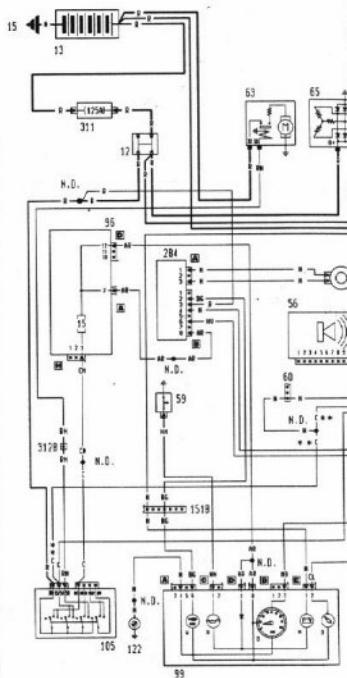
P3N14.L01



FIAT-CODE system - (See key following diagrams)



P0N16L01

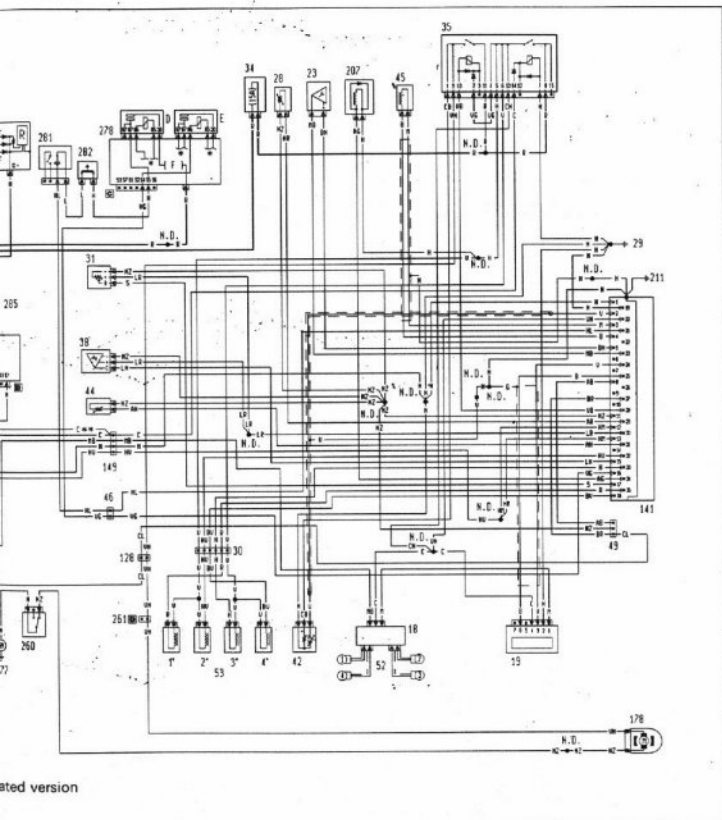


- \* See air conditioner diagram for naturally-aspirated system.  
 \*\* Variante collegamenti per versioni con allarme.

## 55.

Naturally-aspirated version

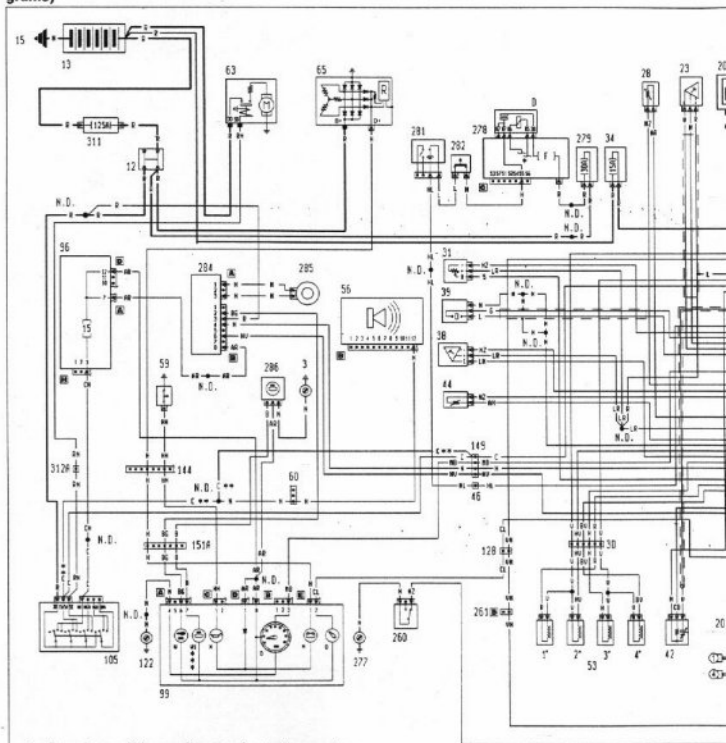
Starting system - Electronic ignition - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat CODE system fault warning light - (See key following diagrams)



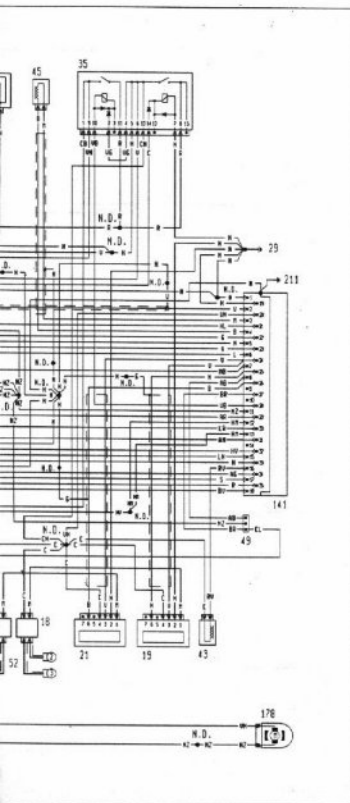
P3N16L01

**Turbo version**

Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Catalytic converter overheating warning light - Rev counter - Fiat CODE system fault warning light - (See key following diagrams)



- \* See air conditioner diagram for turbo version
- \*\* Variant connections for versions with alarm
- \*\*\* Only for Japan version

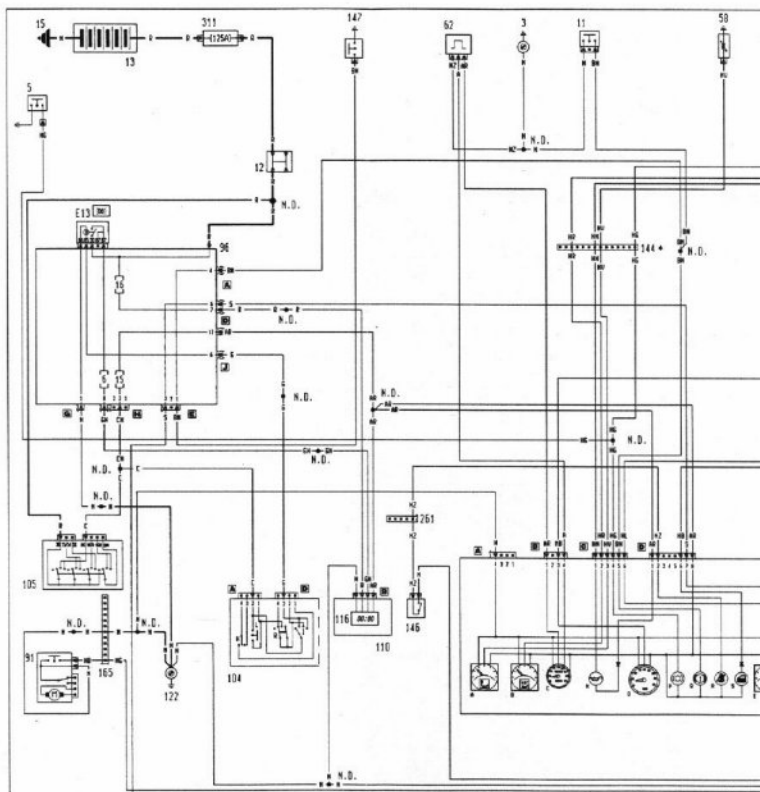


# Electrical system

## Wiring diagrams

### 55.

Fuel level gauge and reserve warning light - Engine warning light - Water temperature gauge - Front brake fluid level warning light - Seat belt unfastened counter - Speedometer - Digital clock - Engine oil pressure gauge



\* Not present on naturally-aspirated version \*\* Variant connections for naturally-aspirated version \*\*\* See s

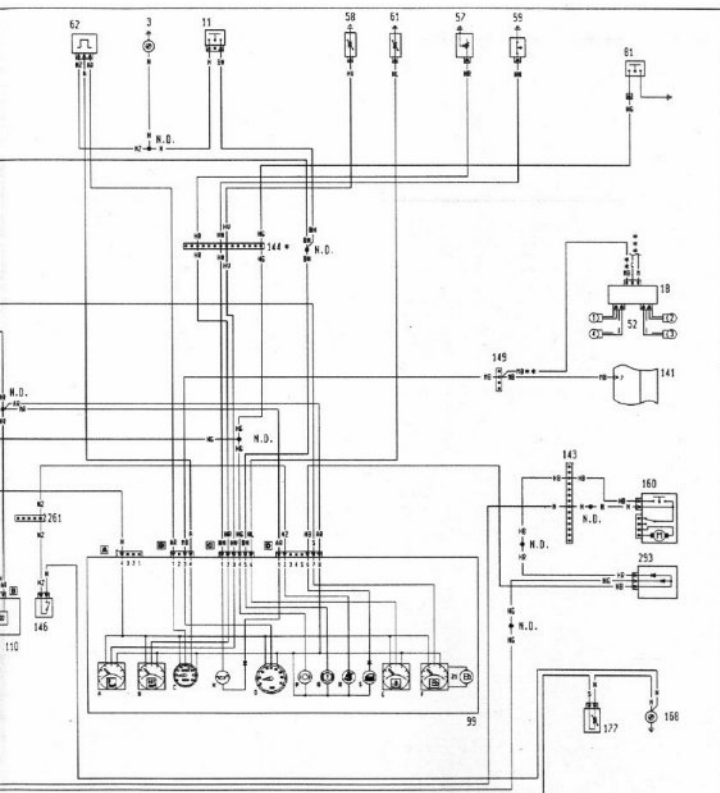
# Electrical system

## Wiring diagrams

Coupè Fiat

55.

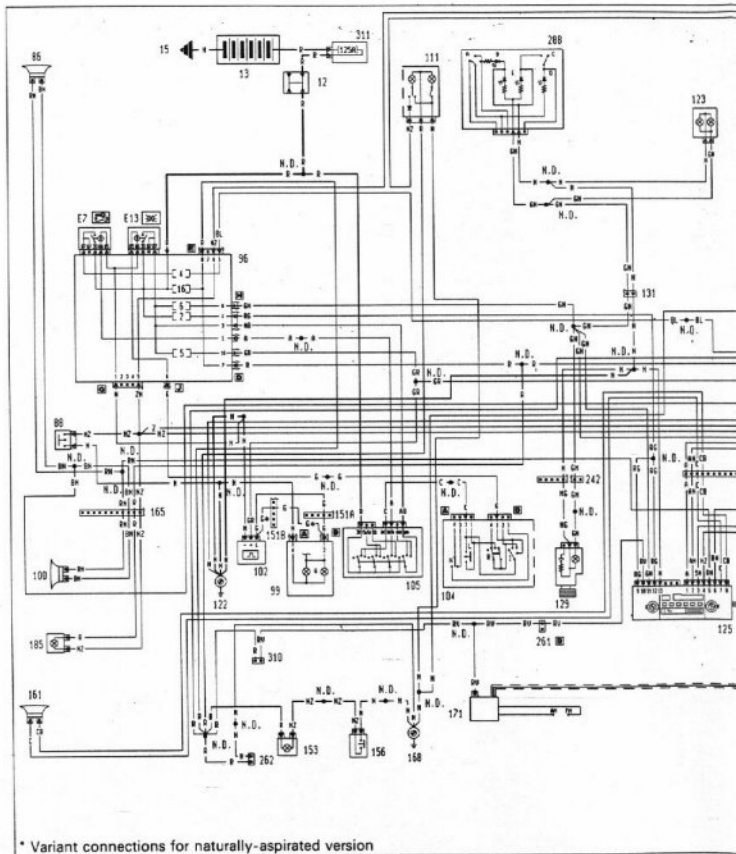
Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Handbrake on and low brake fluid level warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Digital clock - Engine oil pressure gauge - (See key following diagrams)



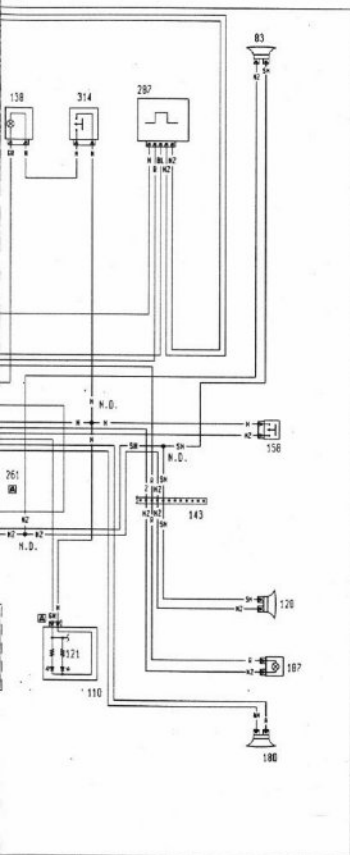
variant connections for naturally-aspirated version \*\*\* See starting system diagram for naturally-aspirated version

PONTIUM

Courtesy light - Symbol illumination - Glove compartment light - Boot light - Wiring for car radio with amplified aerial - Puddle light - Cigarette lighter - (See key following diagrams)



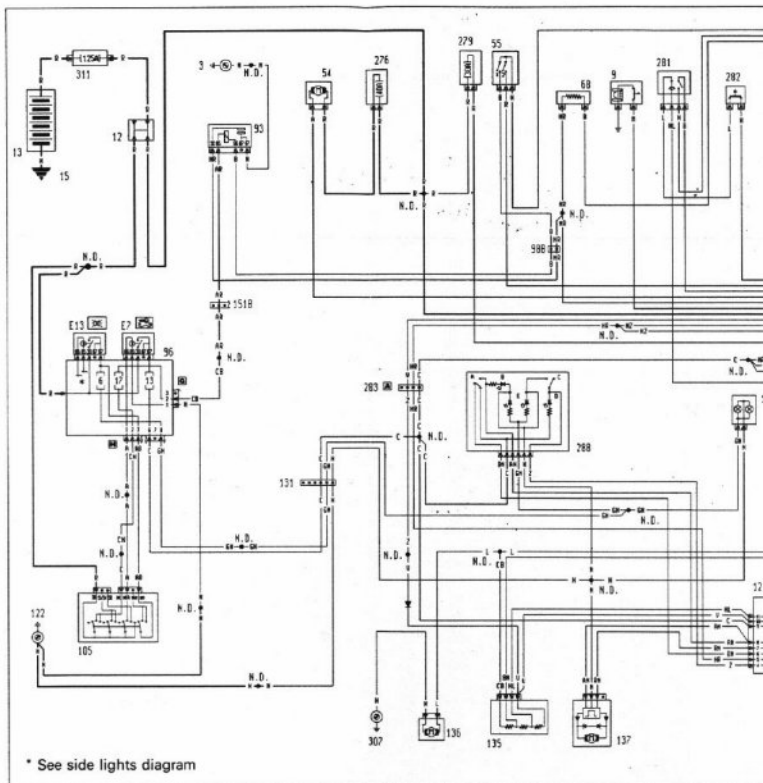




# Electrical system Wiring diagrams

## 55.

Naturally-aspirated version  
Air conditioner - (See key following diagrams)



# Electrical system

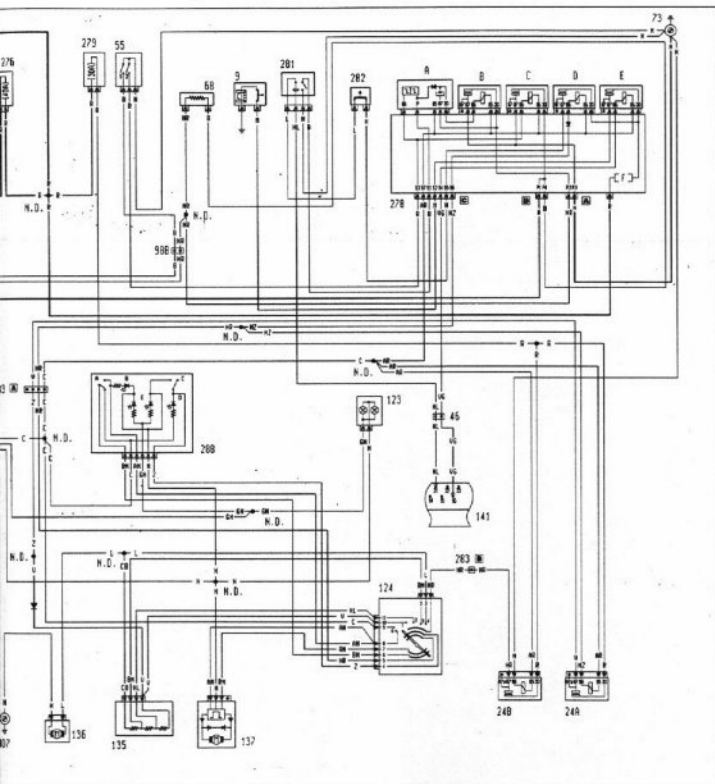
## Wiring diagrams

55.

Naturally-aspirated version

Air conditioner - (See key following diagrams)

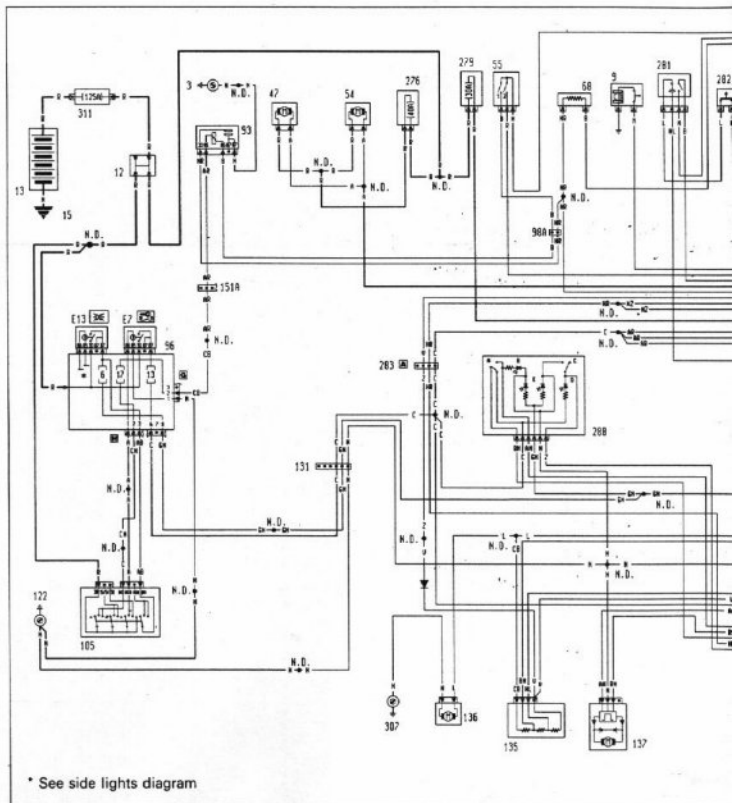
Coupè Flat

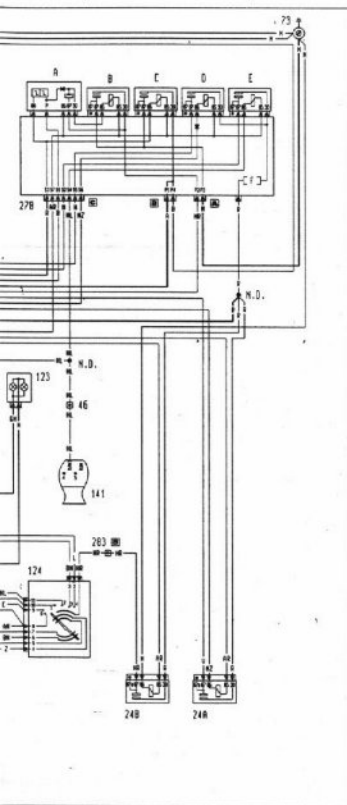


P3N20L101

Turbo version

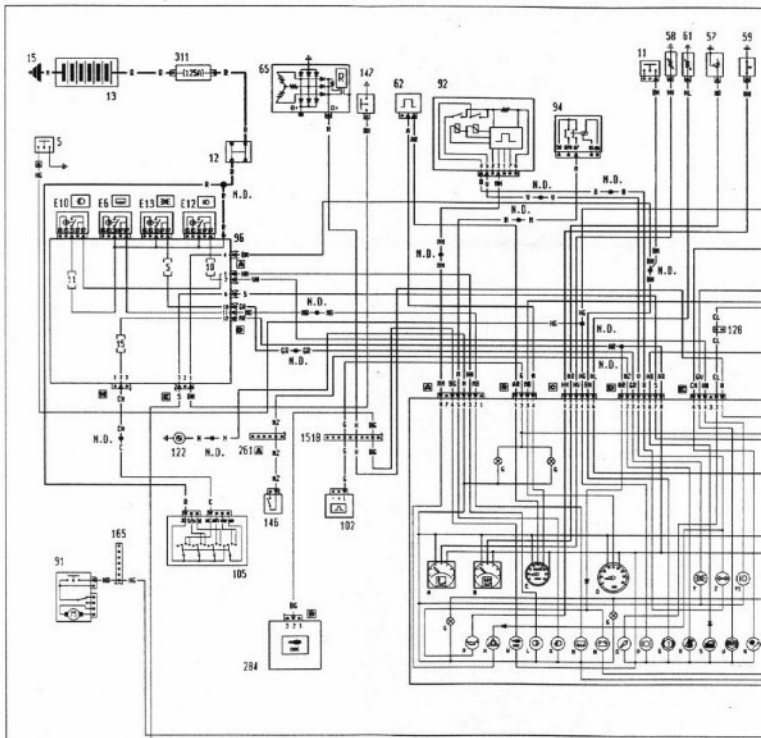
Air conditioner - (See key following diagrams)





**55.**

**Instrument panel connections - (See key following)**



\* See starting system diagram for naturally-aspirated version

## Wiring diagrams

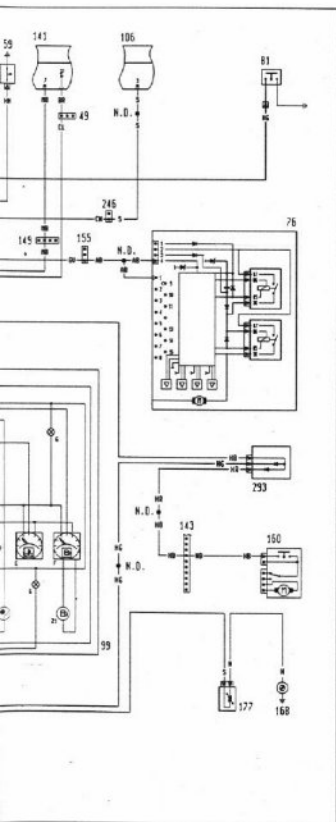
**55.**

**Instrument panel connections - (See key following diagrams)**





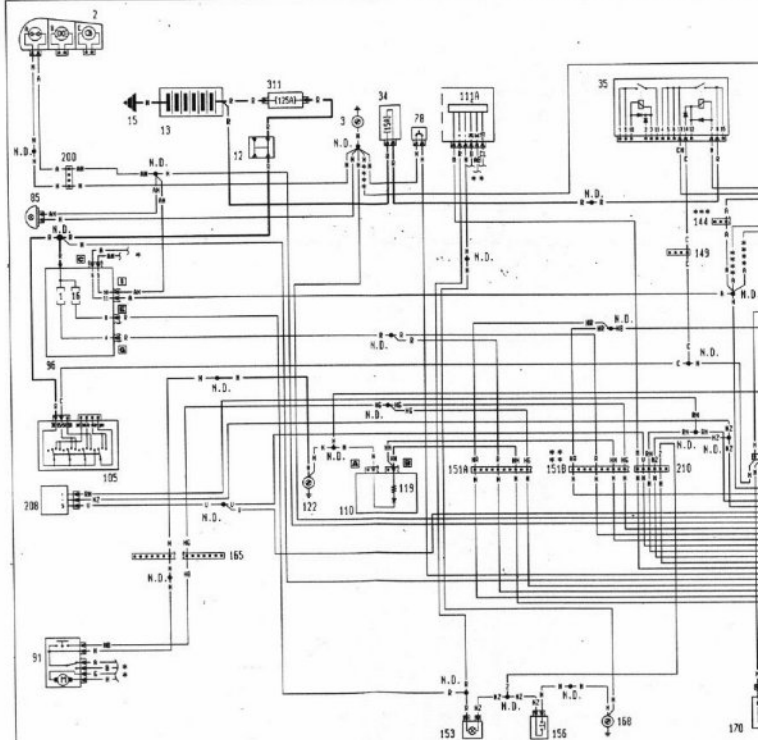




# Electrical system Wiring diagrams

## 55.

Alarm system - (See key following diagrams)



\* See side lights diagram

\*\* See central door locking diagram

\*\*\* Not present on naturally-aspirated version

\*\*\*\* Variant connections for naturally-aspirated version

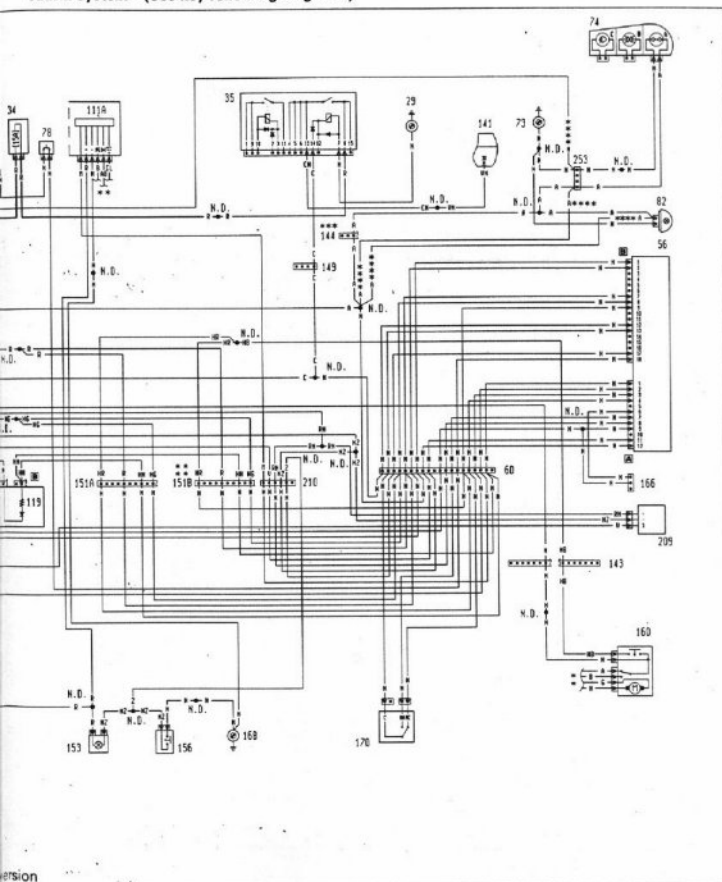
# Electrical system

## Wiring diagrams

55.

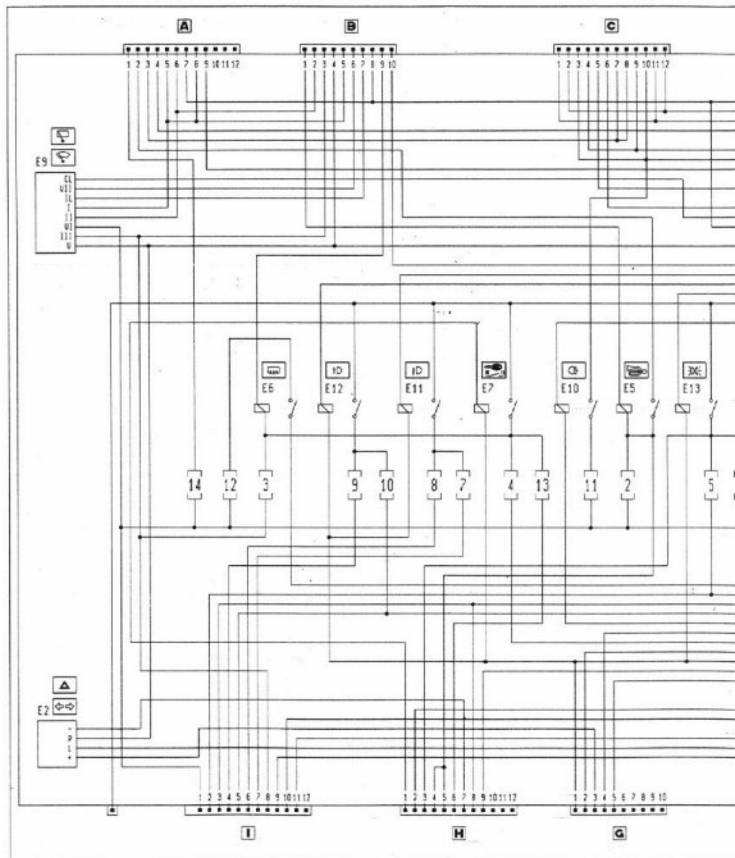
Alarm system - (See key following diagrams)

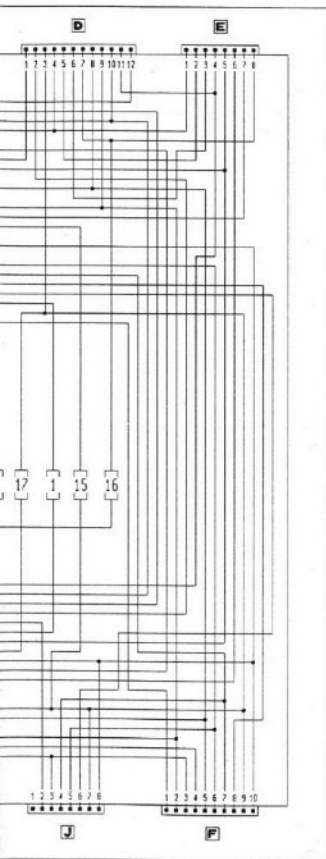
Coupè Fiat



PSN24LL01

Fuse and relay unit - (See key following diagrams)





PIN25LL01

---

## Key to components

- |   |   |
|---|---|
| 1 Front left headlamp                                     |   |
| A Dipped beam   | 5 |
| B Main beam   | 5 |
| C Headlamp adjustment motor                               |   |
| 2 Front left lights cluster                               |   |
| A Direction indicator                                     |   |
| B Side light  |   |
| C Front fog light   |   |
| 3 Front left earth  |   |
| 4 Sensor on front left wheel (A.B.S.)                     |   |
| 5 Front left brake pad wear sensor                        |   |
| 6 Diagnostic socket for anti-lock braking system (A.B.S.) |   |
| 7 Low tone horn   |   |
| 8 High tone horn  |   |
| 9 Compressor for air conditioner                          |   |
| 11 Low brake fluid level sensor                           |   |
| 12 Connector block  |   |
| 13 Battery  |   |
| 15 Battery earth  |   |
| 17 Reversing light switch                                 |   |
| 18 Ignition coils assembly                                |   |
| 19 Power module   |   |
| 20 Ignition coils assembly                                |   |
| 21 Power module   |   |
| 23 HALL effect phase sensor                               |   |
| 24A Air conditioner/heater relay                          |   |
| 24B Air conditioner/heater relay                          |   |
| 28 Coolant temperature gauge sensor                       |   |
| 29 Earth on engine  |   |
| 30 Fuel injection cable/fuel injector cable connection    |   |
| 31 Throttle valve potentiometer                           |   |
| 34 15A fuse protecting fuel injection                     |   |
| 35 Multiple relay   |   |
| 36 Rear earth for heated rear window                      |   |
| 38 Absolute pressure sender unit                          |   |
| 39 Knock sensor   |   |
| 40 Electric sunroof electronic control module             |   |
| 41 Electric sunroof control button                        |   |
| 42 Heated Lambda probe                                    |   |
| 43 Over-Boost solenoid                                    |   |
| 44 Air temperature sensor                                 |   |
| 45 Rpm and TDC sensor                                     |   |
| 46 Air conditioner/fuel injection cable connection        |   |
| 47 Engine cooling fan (2nd)                               |   |
-

- 49 Diagnostic socket for injection
- 52 Spark plugs
- 53 Fuel injectors
- 53A Windscreen washer switch
- 53B Rear window washer switch
- 54 Engine cooling fan
- 55 Double-contact thermal switch for controlling engine cooling fan
- 56 Alarm electronic control unit
- 57 Oil pressure sender unit
- 58 Engine oil temperature sender unit
- 59 Low oil pressure warning light switch
- 60 Connection between front cable and alarm cable
- 61 Engine coolant temperature sender unit
- 62 Pulse generator for speedometer signal
- 63 Starter motor
- 64 Windscreen wiper motor
- 65 Alternator
- 66 Thermal switch for controlling engine cooling fan
- 68 Engine cooling fan speed adjustment resistor
- 69 Electric windscreen washer pump
- 72 Headlamp washer pump
- 73 Front right earth
- 74 Front right lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog lamps
- 75 Front right headlamp
  - A Dipped beam
  - B Main beam
  - C Headlamp adjustment motor
- 76 Electronic control unit for anti-lock braking system (A.B.S.)
- 78 Button on bonnet for switching on anti-theft device
- 80 Sensor on front right wheel (A.B.S.)
- 81 Front right brake pad wear sensor
- 82 Front right side repeater
- 83 Front right speaker
- 85 Front left side repeater
- 86 Front left loudspeaker
- 87 Left electrically-adjustable and heated external rearview mirror
- 88 Front left courtesy light button
- 90 Left electric window motor
- 91 Left door locking motor and door open indicator
- 92 Hazard warning lights timer
- 93 Relay for switching on electric fan 1st speed
- 94 Front fog lamps control unit
- 95 20A fuse protecting front fog lamps
- 96 Fuse and relay unit :
  - E2 Spare, not used
  - E5 Horn relay
  - E6 Heated rear window relay
  - E7 Ignition switch discharge relay
  - E9 Windscreen wiper/rear window wiper intermittent switch
  - E10 Rear fog lamp relay
  - E11 Dipped beam relay
  - E12 Main beam relay
  - E13 Side lights relay
- 98A Connection between front left cable/air conditioner cable (turbo version only)
- 98B Connection between front cable/air conditioner cable (naturally-aspirated version only)
- 99 Instrument panel :
  - A Oil temperature gauge
  - B Oil pressure gauge
  - C Speedometer
  - D Rev counter
  - E Water temperature gauge
  - F Fuel gauge
  - G Instrument panel light bulbs
  - H Hazard warning lights warning lamp
  - K Front fog lamps warning light
  - L Rear fog lamps warning light
  - M Heated rear window warning light
  - N Low generator charge warning light
  - O Fuel injection fault warning light
  - P Brake pad wear warning light
  - Q Handbrake on and low brake fluid warning light
  - R Seat belts unfastened warning light
  - S Door open warning light
  - U Anti-lock braking system fault warning light
  - V EURO-BAG system fault warning light

- W Fiat-CODE system fault warning light
- W1 Catalytic converter fault warning light
- X Low engine oil pressure warning light
- Y Parking lights warning light
- Y1 Main beam headlamps warning light
- Z Direction indicators warning light
- Z1 Fuel reserve warning light
- 100 Loudspeaker on front left door
- 101 Headlamp adjustment unit
- 102 Symbol lighting brightness adjustment rheostat
- 103 Stop lights switch
- 104 Stalk unit :
  - H Direction indicators switch
  - I Side lights/dipped beam headlamps switch
  - L Flasher button
  - M Horn button
  - N Windscreen wash/wipe switch
  - O Windscreen wash and headlamp wash button
  - Q Rear window wiper switch
  - R Dipped beam/main beam headlamps switch
- 105 Ignition switch
- 106 EURO-BAG electronic control unit
- 107 EURO-BAG projection charge (passenger side)
- 108 Diagnostic socket for EURO-BAG system
- 109 EURO-BAG projection charge (driver's side) 110 Switch control unit
- 111 Car interior courtesy light
- 111A Door lock remote control receiver
- 112 Electric sunroof motor
- 113 Rear fog lamps switch
- 114 Front fog lamps switch
- 115 Hazard warning lights switch
- 116 Digital clock
- 117 Button for switching on central door locking system
- 118 Heated rear window switch
- 119 Anti-theft device on warning light
- 120 Loudspeaker on front right door
- 121 Symbol lighting for switch control unit
- 122 Earth on dashboard, driver's side
- 123 Air conditioner/heater controls lighting
- 124 Passenger compartment fan switch
- 125 Car radio
- 126 Left electric window pushbutton unit on central console
- 127 Right electric window pushbutton unit
- 128 Dashboard/fuel injection cable connection
- 129 Cigarette lighter
- 130 Electrically-adjustable external rearview mirror pushbutton unit
- 131 connection between dashboard cable and air conditioner/heater cable
- 133 Flasher unit for headlamp washer
- 134 20A fuse protecting headlamp washer
- 135 Additional resistor for air conditioner/heater
- 136 Car interior heater fan
- 137 Car interior air recirculation actuator
- 138 Glove compartment light bulb
- 139 Electric sunroof end-of-travel switch
- 141 Fuel injection/ignition electronic control unit
- 142 EURO-BAG earth
- 143 Dashboard cable/right door cable connection
- 144 Connection between front left cable and front right cable (turbo version only)
- 145 car interior air recirculation control switch
- 146 Seat belt unfastened warning light switch
- 147 Handbrake on warning light switch
- 148 Central door locking electronic control unit
- 149 Connection between front cable/fuel injection cable
- 150 15A fuse protecting central door locking system
- 151A Connection between dashboard cable/front left cable (turbo version only)
- 151B Dashboard cable/front cable connection (naturally-aspirated version only)
- 152 Electric windows electronic control unit
- 153 Luggage compartment light bulb
- 155 Connection between dashboard cable/anti-lock braking system cable
- 156 Luggage compartment light switch



- 157 Right electrically-adjustable external rear-view mirror
- 158 Front right courtesy light button
- 159 Right electric window motor
- 160 Right door locking motor and door open indicator
- 161 Rear left loudspeaker
- 162 Sensor on rear left wheel (A.B.S.)
- 163 Rear left lights cluster
  - A Side light
  - B Stop light
- 164 Rear left lights cluster
  - A Direction indicator
  - B Rear fog lamp
- 165 Dashboard cable/left door cable connection
- 166 Diagnostic socket for anti-theft device
- 168 Rear earth
- 170 Switch for switching off anti-theft device
- 171 Preamplifier for electric aerial on heated rear window
- 173 Heated rear window
- 174 Left number plate light
- 175 Right number plate light
- 176 Rear window wiper motor
- 177 Fuel gauge sender unit
- 178 Electric fuel pump
- 180 Rear right loudspeaker
- 181 Sensor on rear right wheel (A.B.S.)
- 182 Rear right lights cluster
  - A Side light
  - B Stop light
- 183 Rear right lights cluster
  - A Direction indicator
  - B Reversing light
- 185 Left door puddle light
- 187 Right door puddle light
- 195 Connection between front cable/head-lamp cable
- 200 Connection between front cable/front left lights cluster
- 207 Air solenoid
- 208 Anti-theft left volumetric sensor
- 209 Anti-theft right volumetric sensor
- 210 Connection between front cable/rear cable
- 211 Earth on fuel injection/ignition electronic control unit
- 237 25A fuse protecting electric windows
- 238 10A fuse protecting anti-lock braking system (A.B.S.)
- 242 Connection between dashboard cable/central console
- 243 Electric sunroof cable connection
- 245 Connection between dashboard cable/electric sunroof cables
- 246 EURO-BAG cables connection
- 253 Front cable connection with front right lights cluster
- 260 Inertial switch for switching off electric fuel pump
- 261 Dashboard cable/rear cable connection
- 262 Wiring for compact disc
- 276 40A fuse protecting engine cooling fan
- 277 Earth for inertial switch
- 278 Relay unit for air conditioner:
  - A Timer for switching on radiator fan high speed
  - B Relay for switching on radiator fan low speed
  - C Relay for switching on radiator fan high speed
  - D Relay for switching on air conditioning
  - E Relay for switching on compressor
  - F 7.5 A system fuse
- 279 30A fuse protecting air conditioning system
- 281 Air condit. 3-stage pressure-switch
- 282 Minimum pressure switch
- 283 Engine compartment cable/air conditioner cables connection
- 284 FIAT-CODE control unit
- 285 FIAT-CODE aerial
- 286 Catalytic converter temperature control unit
- 287 Courtesy lights delay unit
- 288 Air conditioner controls unit:
  - A Car interior air recirculation control switch
  - B Car interior air recirculation warning light
  - C Air conditioner control switch
  - D Air conditioner on warning light
  - E Air conditioner control symbol lights
- 293 Two-diode container
- 307 Earth for air conditioner/heater
- 309 Connection between EURO-BAG cable/stalk unit

- 10 Electric aerial wiring connection
- 11 125A system maxi fuse
- 2A Connection between front left cable and starter motor cable (turbo version only)
- 2B Connection between front left cable and starter motor cable (naturally-aspirated version only)
- 13 Three diode container
- 14 Glove compartment light switch
- D. Ultrasound-soldered joint taped into wiring loom

#### List of fuses in fuse and relay unit 96

<b>Fuse 110A</b>	<b>Fuse 1320A</b>
<b>Fuse 220A</b>	<b>Fuse 1425A</b>
<b>Fuse 320A</b>	<b>Fuse 1510A</b>
<b>Fuse 420A</b>	<b>Fuse 167.5A</b>
<b>Fuse 510A</b>	<b>Fuse 177.5A</b>
<b>Fuse 610A</b>	
<b>Fuse 710A</b>	
<b>Fuse 810A</b>	
<b>Fuse 910A</b>	
<b>Fuse 1010A</b>	
<b>Fuse 117.5A</b>	
<b>Fuse 1220A</b>	

#### Cable colour codes

<b>A</b> Light blue	<b>GN</b> Yellow-Black
<b>B</b> White	<b>GL</b> Yellow-Blue
<b>C</b> Orange	<b>GR</b> Yellow-Red
<b>G</b> Yellow	<b>GV</b> Yellow-Green
<b>H</b> Grey	<b>HG</b> Grey-Yellow
<b>L</b> Blue	<b>HN</b> Grey-Black
<b>M</b> Brown	<b>HR</b> Grey-Red
<b>N</b> Black	<b>HV</b> Grey-Green
<b>R</b> Red	<b>LB</b> Blue-White
<b>S</b> Pink	<b>LG</b> Blue-White
<b>V</b> Green	<b>LN</b> Blue-Black
<b>Z</b> Purple	<b>LR</b> Blue-Red
<b>AB</b> Light blue-White	<b>LV</b> Blue-Green
<b>AG</b> Light blue-Yellow	<b>MB</b> Brown-White
<b>AN</b> Light blue-Black	<b>MN</b> Brown-Black
<b>AR</b> Light blue-Red	<b>NZ</b> Black-Purple
<b>AV</b> Light blue-Purple	<b>RB</b> Red-White
<b>BG</b> White-Yellow	<b>RG</b> Red-Yellow
<b>BL</b> White-Blue	<b>RN</b> Red-Black
<b>BN</b> White-Black	<b>RV</b> Red-Green
<b>BR</b> White-Red	<b>SN</b> Pink-Black
<b>BV</b> White-Green	<b>VB</b> Green-White
<b>BZ</b> White-Purple	<b>VN</b> Green-Black
<b>CA</b> Orange-Light blue	<b>VR</b> Green-Red
<b>CB</b> Orange-White	<b>ZB</b> Purple-White
<b>CN</b> Orange-Black	

NAME	VERSIONS AND ENGINES	
	ASPIRATED	TURBO
	1995 16v	1995 16v
Fiat Code system (Immobilizer)	1	1
AIR BAG and fault warning light	2	2
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter	3	4
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat Code system (Immobilizer)	5	6
Japanese version : Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Catalytic converter overheating warning light		7
Air conditioner	8	9
Anti-theft device	10	10
Courtesy light - Symbol illumination - Glove compartment light - Boot light - Wiring for car radio with amplified aerial - Doors open warning lights - Puddle light - Courtesy light delay unit	11	11
Instrument panel connection	12	12

**NOTE** The number on the table correspond to the page number in the Electrical Section of the manual.

**NOTE** To consult the following diagrams, refer to the key on the previous edition, except for the specific items stated overleaf.

### 55.

#### Key

#### 99 Instrument panel :

- A Oil temperature gauge
- B Oil pressure gauge
- C Speedometer
- D Rev counter
- E Water temperature gauge

- F Fuel gauge
- G Instrument panel light bulbs

- H Hazard warning lights warning lamp
- L Rear fog lamps warning light
- K Front fog lamps warning light
- M Heated rear window warning light
- N Low generator recharging warning light

- O Fuel injection fault warning light

- P Brake pad wear warning light

- Q Handbrake on and low brake fluid warning light

- R Seat belt unfastened warning light

- S Door open warning light

- U Anti-lock braking system fault warning light

- V Air Bag fault warning light

- X Low engine oil pressure warning light

- Y Side lights warning light

- Y1 Main beam headlamps warning light

- Z Direction indicators warning light

- Z1 Fuel reserve warning light

- W Fiat Code system (Immobilizer) warning light

- W1 Catalytic converter overheating warning light

284 Fiat Code (Immobilizer) control unit

285 Fiat Code system (Immobilizer) aerial

286 Catalytic converter temperature control unit

287 Courtesy lights delay unit

288 Air conditioner controls:

- A Car interior air recirculation switch

- B Car interior air recirculation warning light

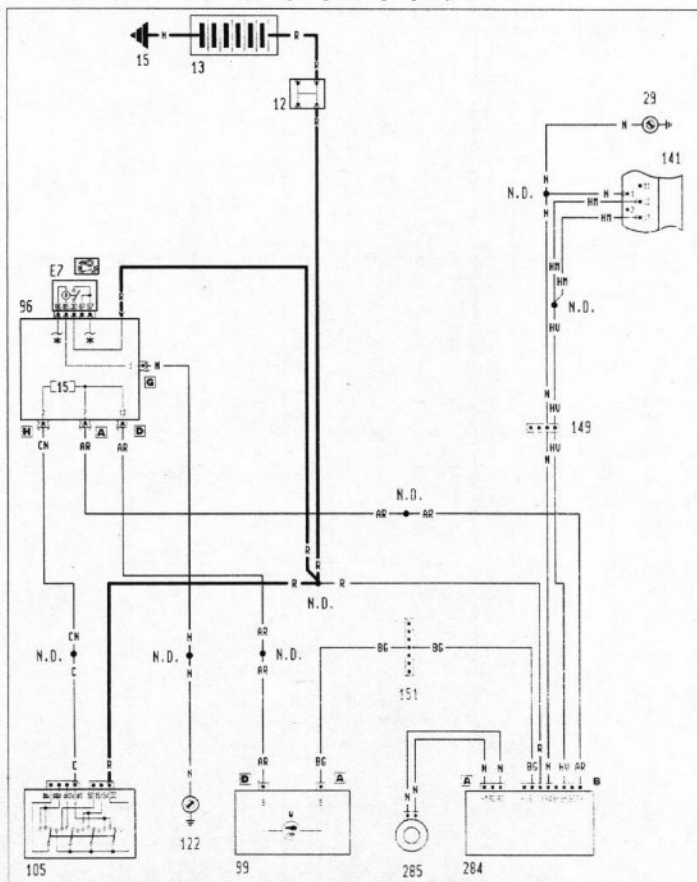
- C Air conditioner switch

- D Air conditioner on warning light

- E Air conditioner control symbol lights

Model: 1995 16V Aspirated - Turbo

Fiat Code system (Immobilizer) - (see key at beginning of wiring diagrams)



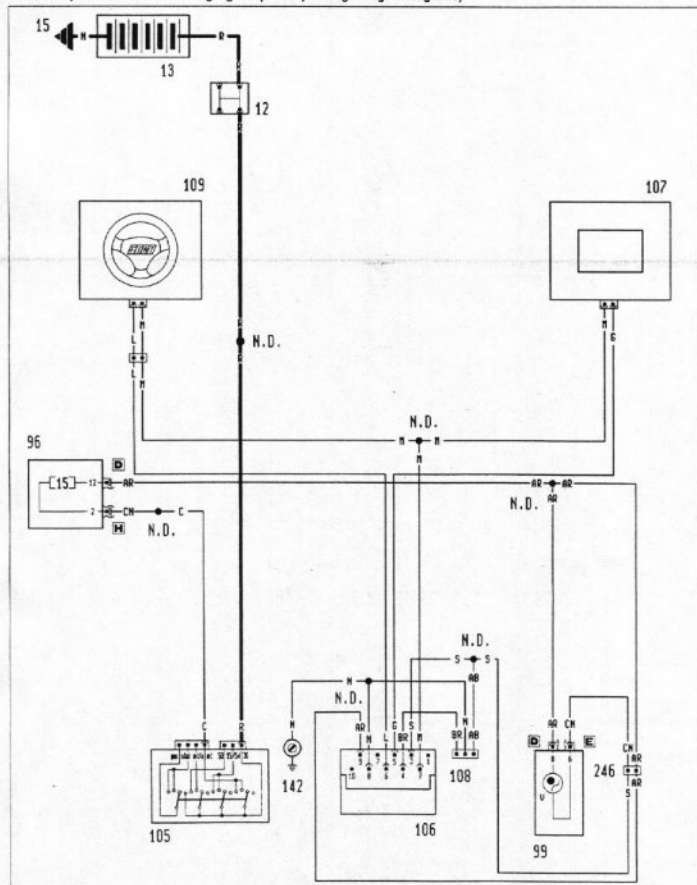
\* See starting system diagram

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### 55.

Model: 1995 16v Aspirated - Turbo

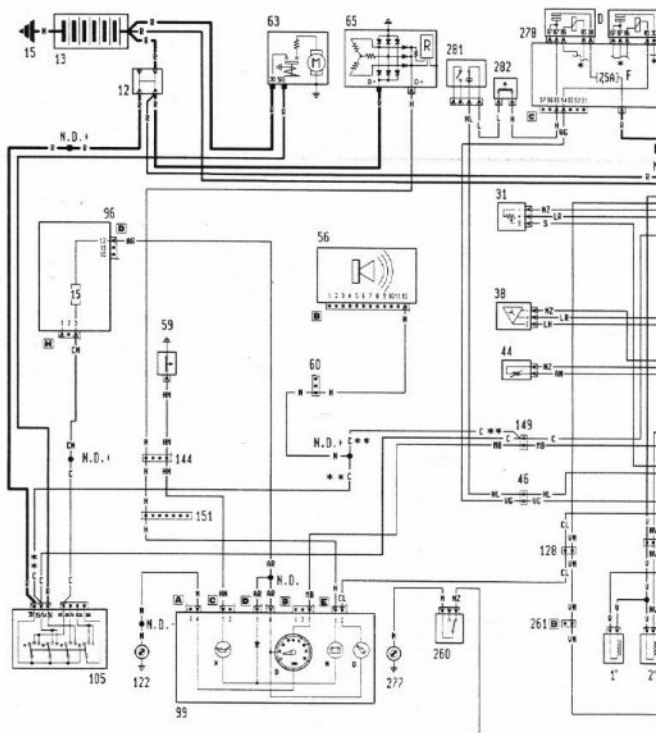
AIR BAG system and fault warning light - (see key at beginning of diagrams)



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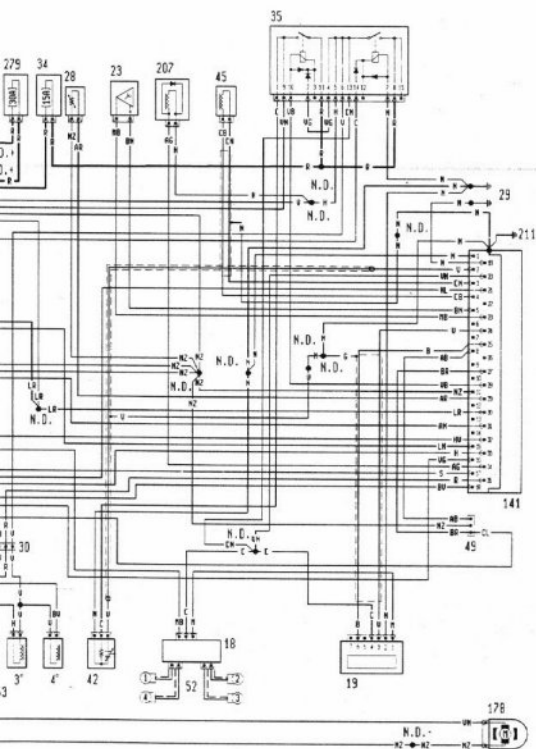
Model: 1995 16v Aspirated

Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - (see key at beginning of diagrams)

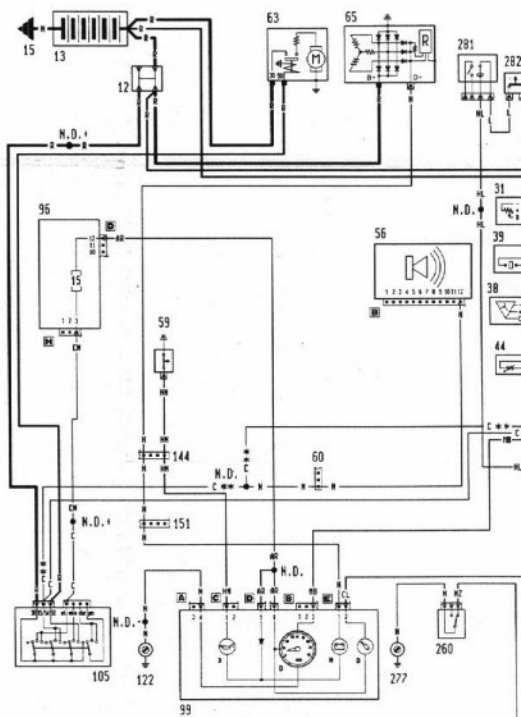


\* See aspirated air conditioner diagram

\*\* Variant connections for version with anti-theft device







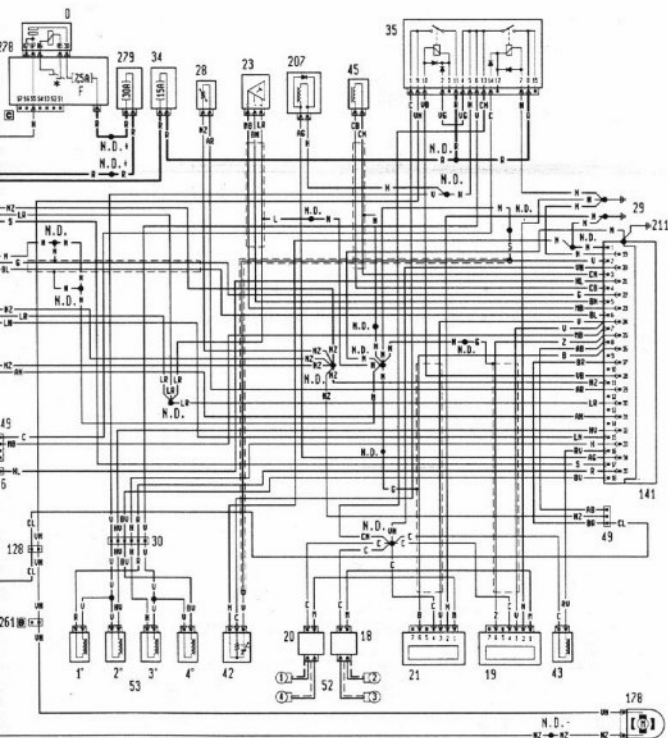
# Electrical system wiring diagrams

Coupé Fiat

55.

Model: 1995 16v Turbo

Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - (see key at beginning of diagrams)

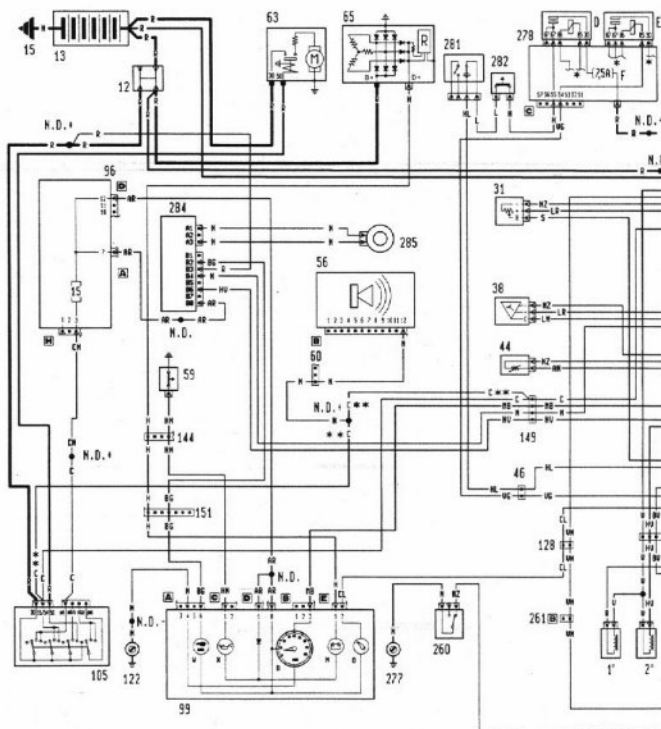


\* See turbo air conditioner diagram

\*\* Variant connections for version with anti-theft device

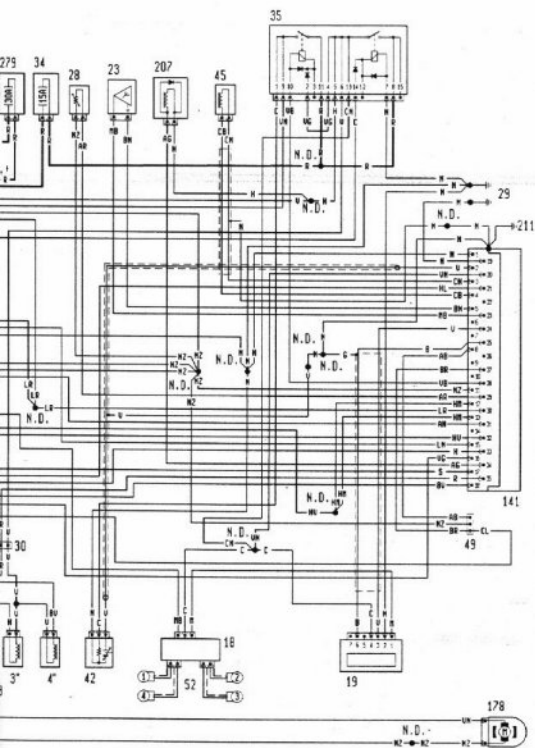
Model: 1995 16v Aspirated

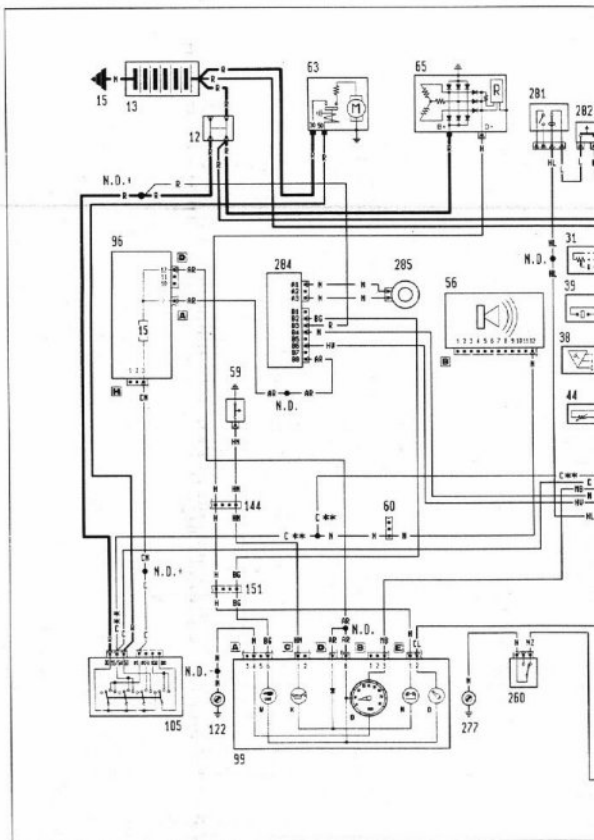
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat Code system (Immobilizer) - (see key at beginning of diagrams)



\* See aspirated air conditioner diagram

\*\* Variant connections for version with anti-theft device





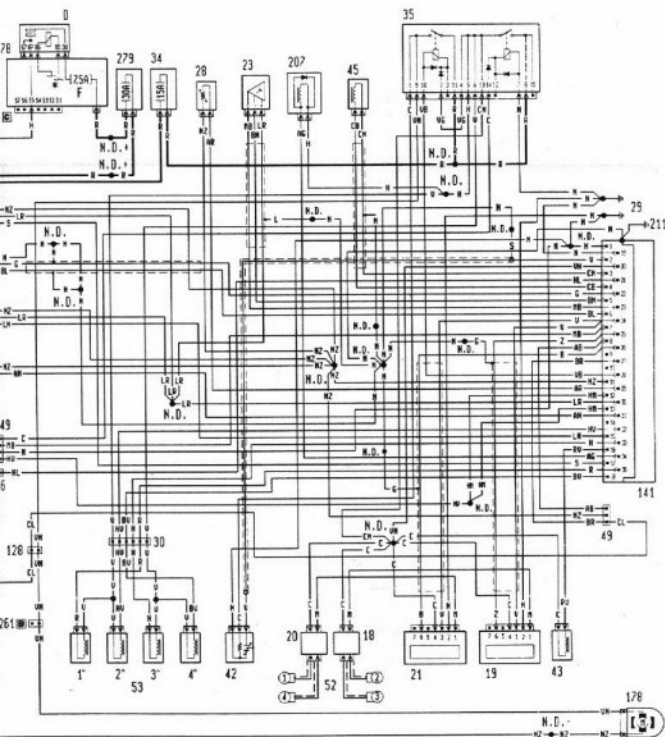
# Electrical system wiring diagrams

**Coupé Fiat**

**55.**

Model: 1995 16v Turbo

Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat Code system (Immobilizer) - (see key at beginning of diagrams)

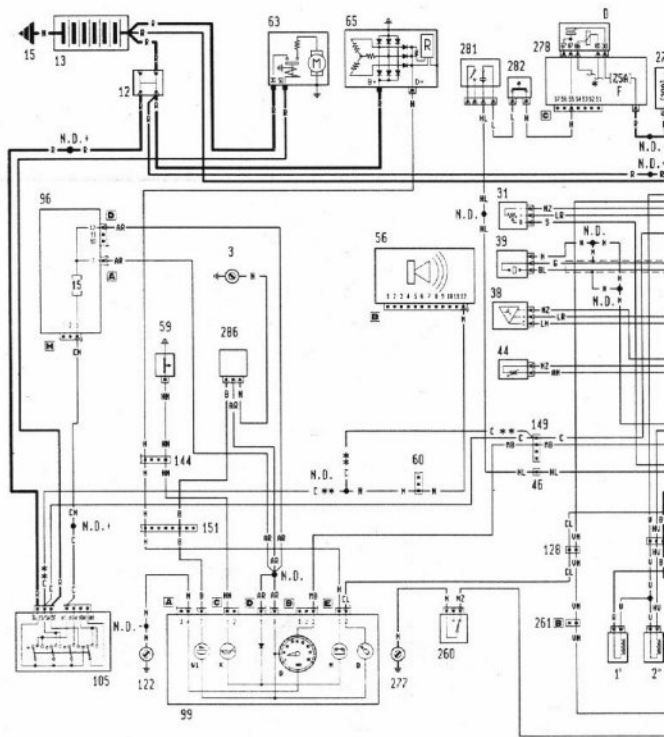


\* See turbo air conditioner diagram

\*\* Variant connections for version with anti-theft device

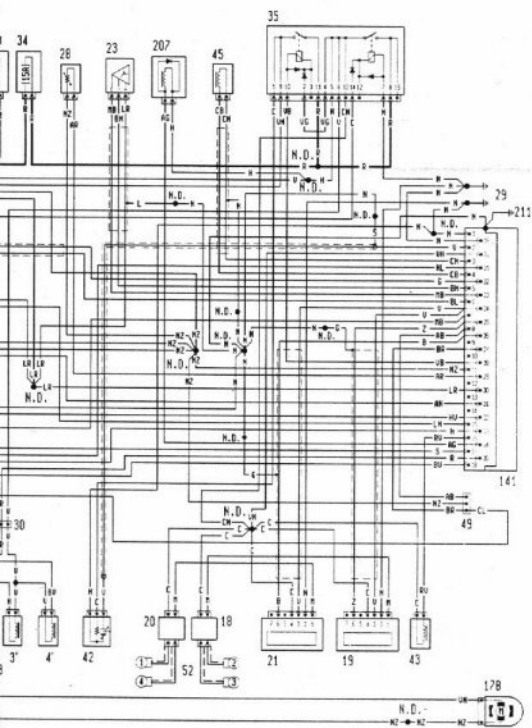
Japanese version: 1995 16v Turbo

Starting system - Electronic ignition - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Catalytic converter overheating warning light - (see key at beginning of diagrams)

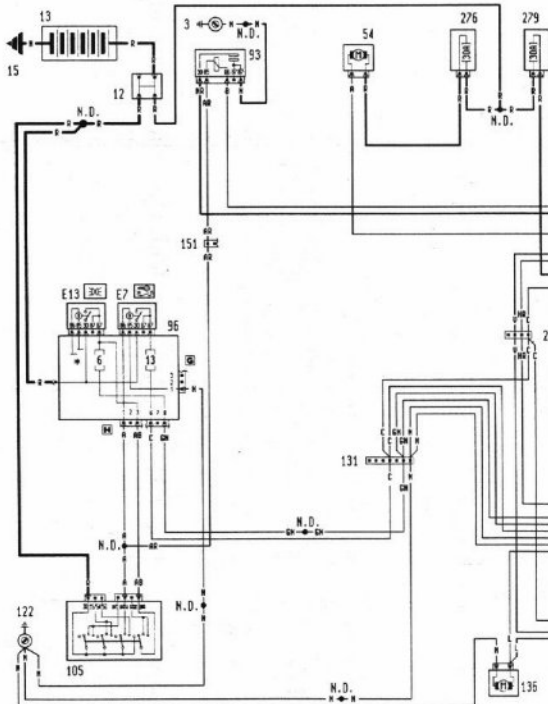


\* See turbo air conditioner diagram

\*\* Variant connections for version with anti-theft device







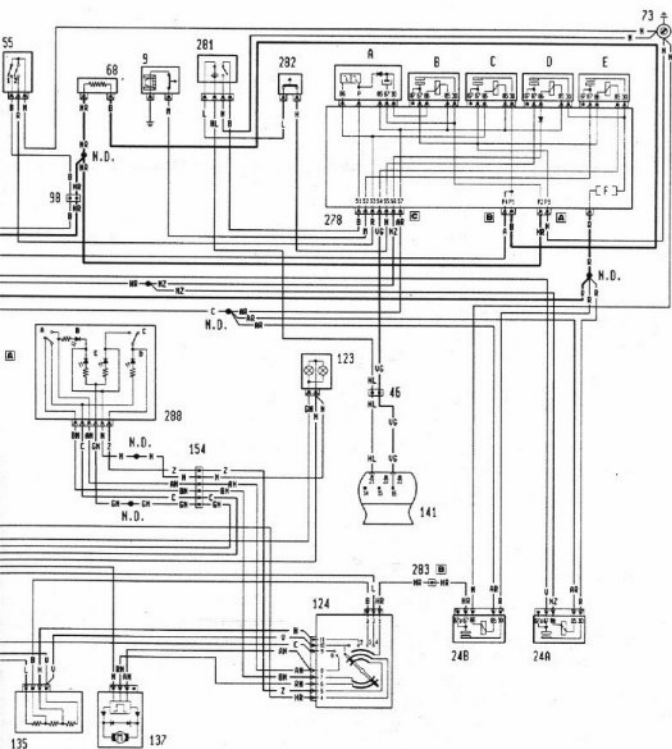
# Electrical system wiring diagrams

**Coupé Fiat**

**55.**

Model: 1995 16v Aspirated

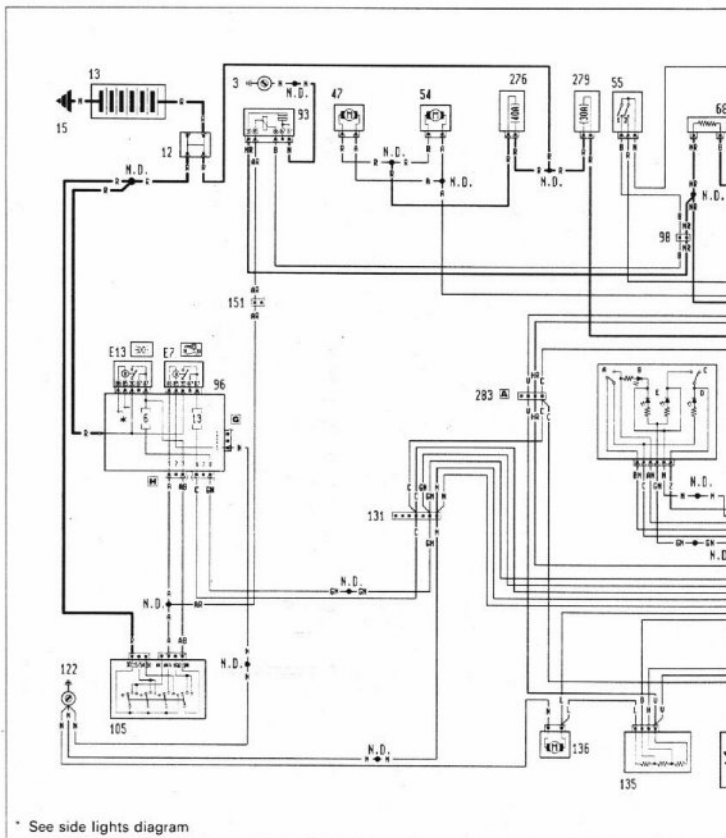
Air conditioner - (see key at beginning of diagrams)

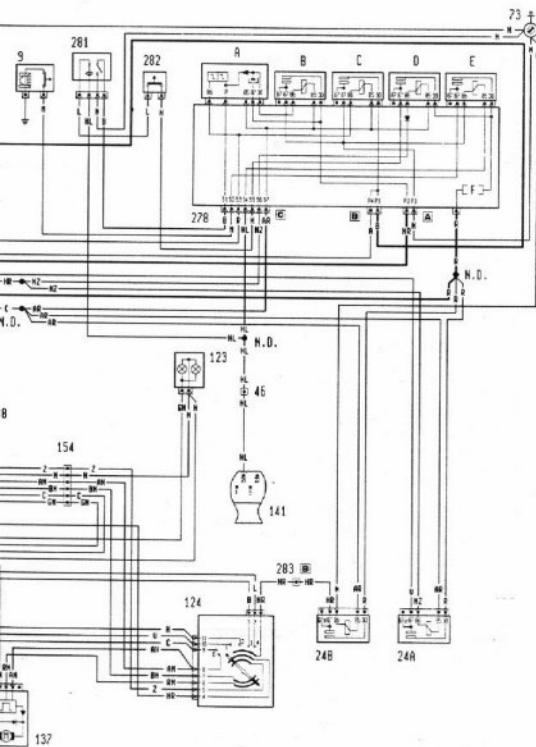


\* See side lights diagram



Model: 1995 16v Turbo

Air conditioner - (see key at beginning of diagrams)







- Electrical symbols	1
- Interpreting the wiring diagrams	4
- Wiring diagrams	5
- Interpreting the codes on the connector blocks	48
- Wiring colour code	48
- Connector blocks	49
- Key	83





































NAME	 20v	 20v Turbo
Side lights and warning lamp - Dipped beam headlamps and warning light - Parking lights - Number plate lights	5	5
Direction indicators and warning lamp - Hazard warning lights and warning lamp - Braking lights - Reversing lights	7	7
Front fog lamps and warning light - Rear fog lamps and warning light	9	9
Engine cooling system - Water temperature gauge	11	11
Windscreen wiper - Rear window wash/wipe - Electric horns - Heated rear window and warning light - Headlamp washer	13	13
Electric front windows	15	15
Central door locking system	17	17
Anti-lock braking system (A.B.S.)	19	19
Electrically-adjustable and heated external rearview mirrors	21	21
Air Bag and fault warning light	23	23
Electric sunroof and headlamp adjuster	25	25
Fiat-CODE system	27	27
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat CODE system fault warning light	29	31
Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Low brake fluid level and handbrake on warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Digital clock - Engine oil pressure gauge	33	33
Instrument panel connections	35	35

(cont.)

**55.**

NAME	 20v	 20v Turbo
Courtesy light - Symbol illumination - Glove compartment light - Luggage compartment light - Wiring for car radio with amplified aerial - Puddle lighting - Cigarette lighter	37	37
Alarm system - Alarm system on warning light	39	39
Heater	41	41
Air conditioner	43	43
Diagnostic socket connections	45	45
Fuse and relay unit	47	47

Electrical symbols





































	Positions		Cold starting (choke)		Switch discharge
	Main beam headlamps		Water in fuel filter		Dipped headlamps
	Heated seat		Heater plugs		Direction indicators signal with central locking locked
	Seat belts		Turbocharger pressure		Electric horns
	Heated rear wind-screen		Rear fog lamp		Left direction indicator
	Handbrake applied and insufficient brake fluid level		Fog light		Right direction ind.
	A.B.S.		Brake pad wear		Engine cooling
	Hazard warning		Turbocharger pressure		Windscreen wiper
	Direction indicators		Automatic gearbox oil temperature		Elec. operated sun roof
	Handbrake and insufficient brake fluid level		Speed limits		Catalytic silencer temperature
	Recharging		Fuel level		Resistance
	Engine oil pressure		Engine coolant temperature		Diode

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## 55.

### Electrical symbols

	Warning light indicator		Trip computer		Differential lock
	Bulb		Electronic injection		Automatic gearbox oil temperature
	Fuse		Engine oil level		Temperature
	Switch open		Brake fluid level (Japanese version)		Anti-theft device
	Selector switch		Doors open		Electric windows
	Button open		Central locking		Earth
	Switch operated by coil (Relay)		Controlled suspension Function Sport		Number plate lights
	Motor		Transistor		Impulse generator (Timer)
	Rearscreen wiper		Air-Bag		Analogue clock
	Headlamp washer		A.B.S. (Japanese Version)		Digital clock
	W/screen wash/wipe		Brake lights failure		Speedometer
	Rearscreen wash/wipe		Windscreen wiper		Rev counter

P3ME202U1

Electrical symbols



Digital speedometer



Digital rev counter



Digital fuel level gauge



Analogue fuel level gauge



Analogue engine temperature gauge



Econometer



Digital engine temperature gauge



Engine oil temperature



Engine oil pressure gauge

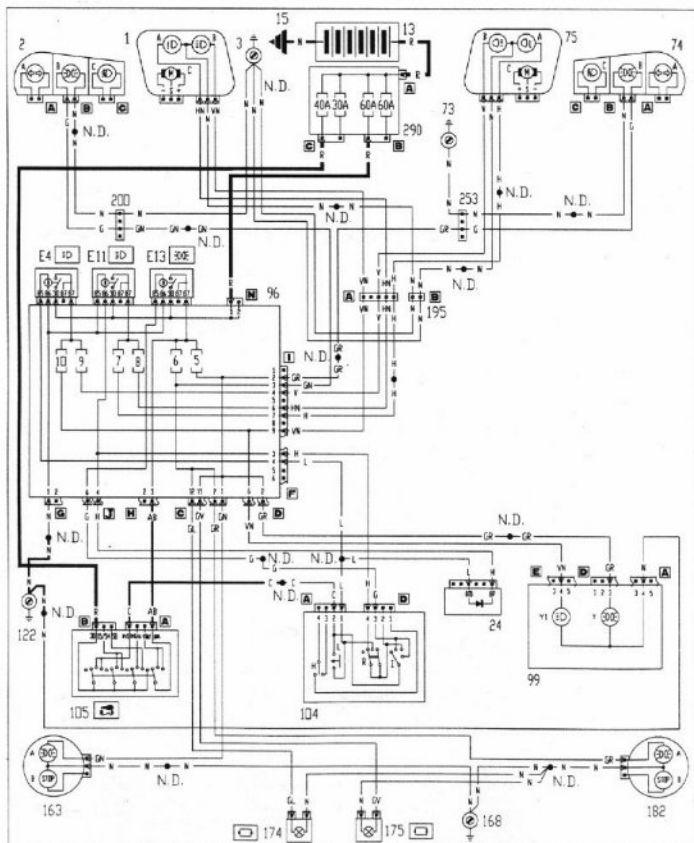


Voltmeter

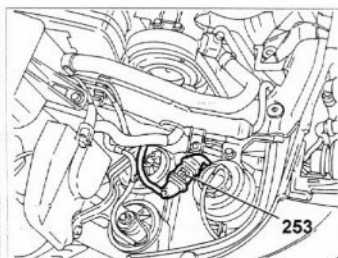
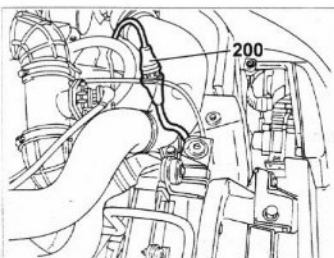
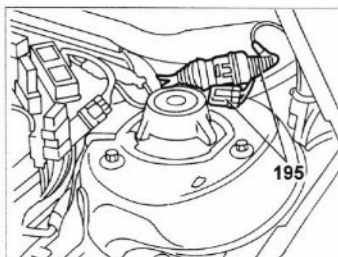
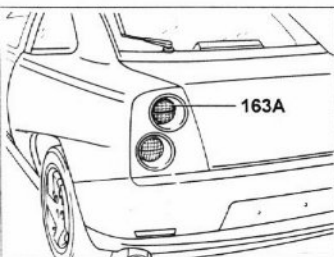
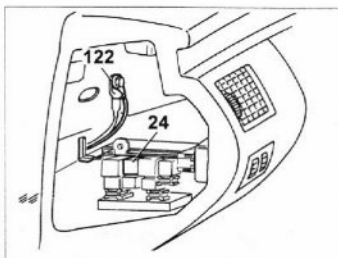
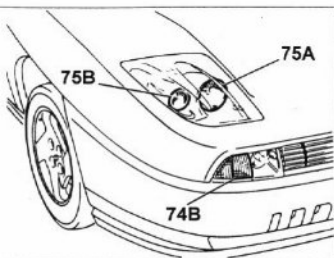
F3N0301.01

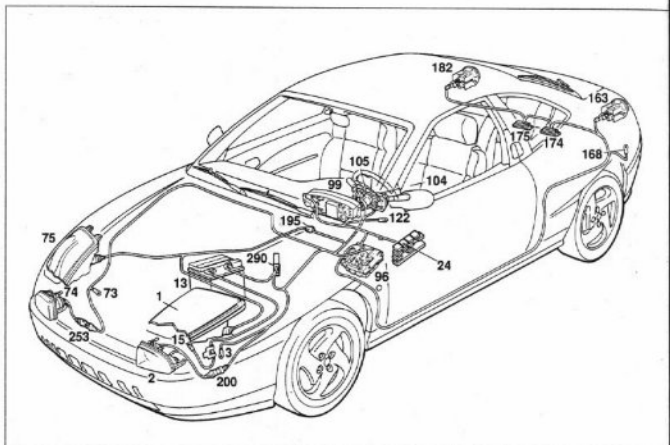


Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Parking lights -  
Number plate lights



Location of components





P39070102

**Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Parking lights - Number plate lights**

**Key to components**

- |                               |   |
|-------------------------------|---|
| 1 Front left headlamp         | E4 Main beam relay  |
| A Dipped beam                 | E13 Side lights relay   |
| B Main beam                   | 99 Instrument panel   |
| C Headlamp adjustment motor   | Y1 Side lights warning light                                      |
| 2 Front left lights cluster   | Y Main beam headlamps warning light                               |
| A Direction indicator         | 104 Stalk unit  |
| B Side light                  | 105 Ignition switch   |
| C Front fog light             | 122 Earth on body shell, driver's side                            |
| 3 Front left earth            | 163 Rear left lights cluster                                      |
| 13 Battery                    | A Side light  |
| 15 Earth on bodywork          | B Stop light  |
| 24 Three-diode container      | 168 Rear earth  |
| 73 Front right earth          | 174 Left number plate light                                       |
| 74 Front right lights cluster | 175 Right number plate light                                      |
| A Direction indicator         | 182 Rear right lights cluster                                     |
| B Side light                  | A Side light  |
| C Front fog light             | B Stop light  |
| 75 Front right headlamp       | 195 Cable connection with headlamp adjuster                       |
| A Dipped beam                 | 200 Connection between front cable and front left lights cluster  |
| B Main beam                   | 253 Connection between front cable and front right lights cluster |
| C Headlamp adjustment motor   | 290 Power fuse box  |
| 96 Fuse and relay unit        |   |
| E11 Dipped beam relay         |   |

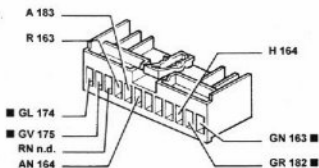
# Electrical system

## Wiring diagrams

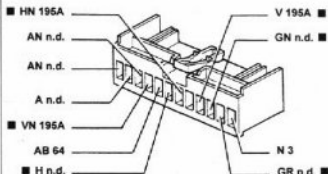
Coupé Fiat 1998 20v 1998 20v Turbo

55.

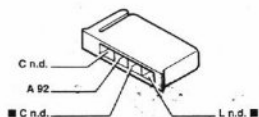
### 96C Fuse and relay unit



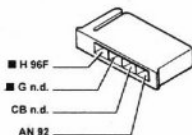
### 96I Fuse and relay unit



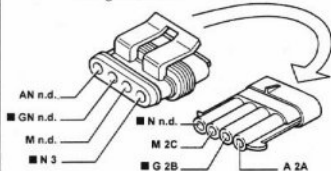
### 104A Stalk unit



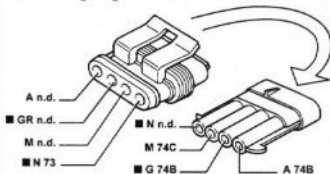
### 104D Stalk unit



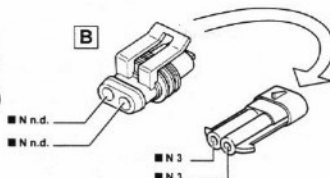
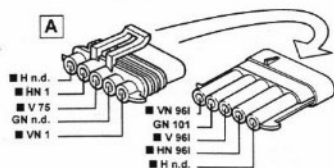
### 200 Connection between front cable and front left lights cluster



### 253 Connection between front cable and front right lights cluster



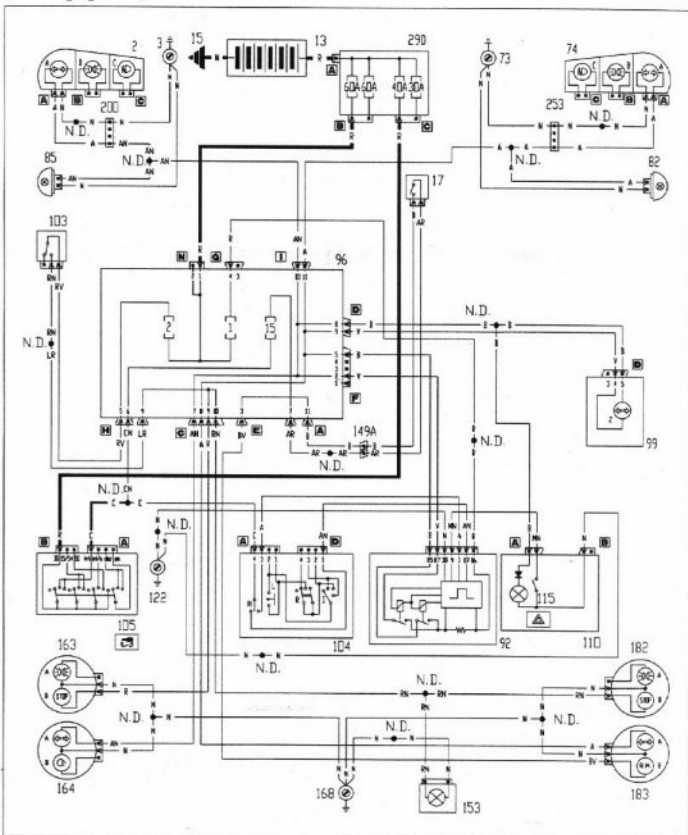
### 195 Hetaer unit cables connection



The cables involved in the wiring diagram are marked with a square

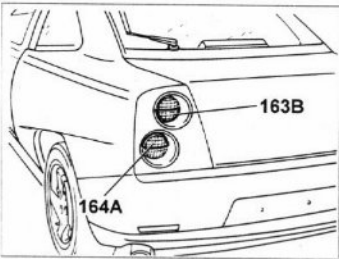
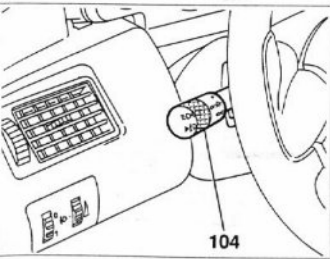
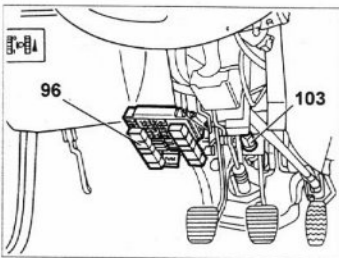
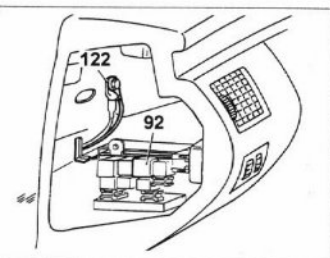
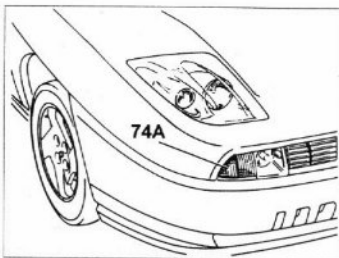
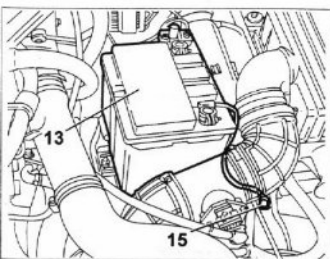
P3N0801.01

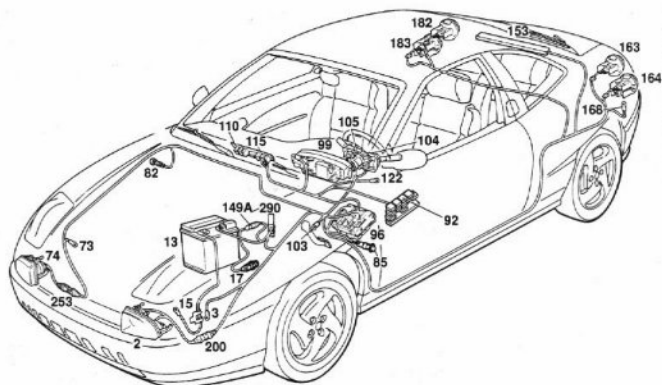
Direction indicators and warning lamp - Hazard warning lights and warning lamp - Braking lights - Reversing light





# Location of components





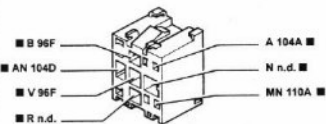
P2N11DLR2

# **Direction indicators and warning lamp - Hazard warning lights and warning lamp - Braking lights - Reversing light**

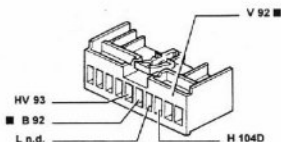
## **Key to components**

- |                                      |   |
|--------------------------------------|---|
| 2 Front left lights cluster          | 115 Hazard warning lights switch                              |
| A Direction indicator                | 122 Earth on body shell, driver's side                        |
| B Side light                         | 149A Connection between front cable/fuel injection cable      |
| C Front fog light                    | 153 Additional stop light                                     |
| 3 Front left earth                   | 163 Rear left lights cluster                                  |
| 13 Battery                           | A Side light  |
| 15 Earth on bodywork                 | B Stop light  |
| 17 Reversing lights switch           | 164 Rear left lights cluster                                  |
| 73 Front right earth                 | A Direction indicator   |
| 74 Front right lights cluster        | B Rear fog lamp   |
| A Direction indicator                | 168 Rear earth  |
| B Side light                         | 182 Rear right lights cluster                                 |
| C Front fog light                    | A Side light  |
| 82 Front right side repeater         | B Stop light  |
| 85 Front left side repeater          | 183 Rear right lights cluster                                 |
| 92 Hazard warning lights timer       | A Direction indicator   |
| 96 Fuse and relay unit               | B Reversing light   |
| 99 Instrument panel                  | 200 Connection between front cable/front left lights cluster  |
| H Hazard warning lights warning lamp | 253 Connection between front cable/front right lights cluster |
| Z Direction indicators warning light | 290 Power fuse box  |
| 103 Stop lights switch               |   |
| 104 Stalk unit                       |   |
| 105 Ignition switch                  |   |
| 110 Switch unit                      |   |

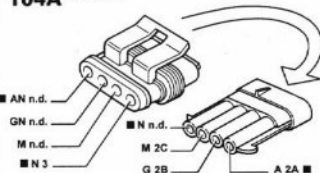
**92** Hazard warning lights timer



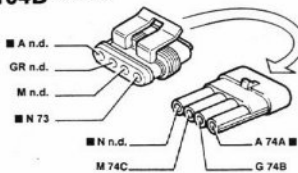
**96F** Fuse and relay unit



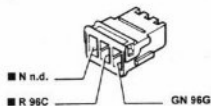
**104A** Stalk unit



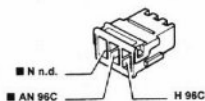
**104D** Stalk unit



**163** Rear left lights cluster



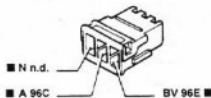
**164** Rear left lights cluster



**182** Rear right lights cluster



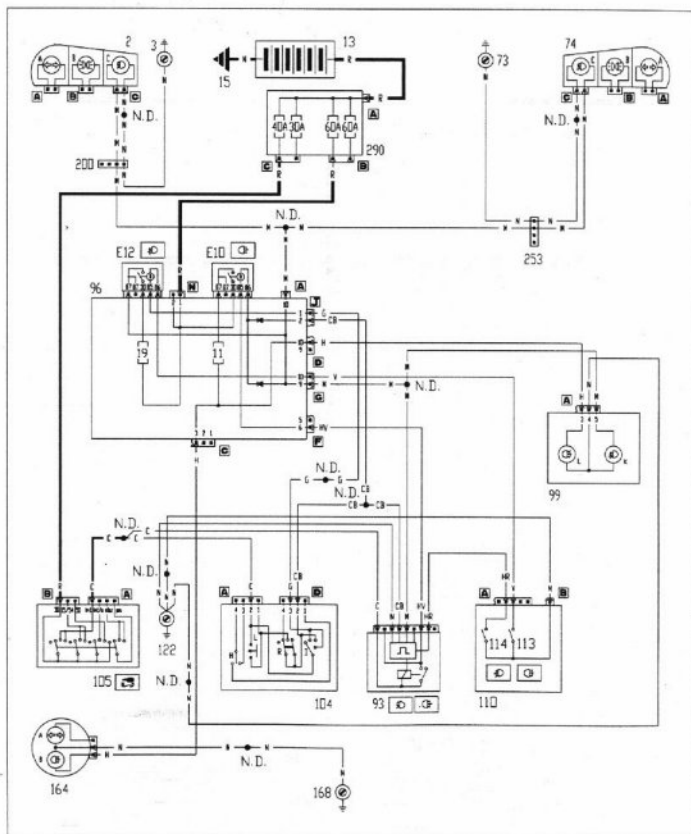
**183** Rear right lights cluster



■ The cables involved in the wiring diagram are marked with a square

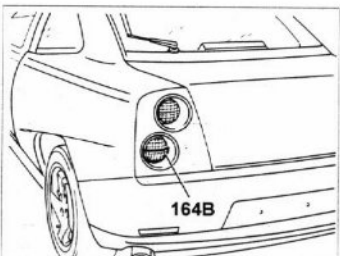
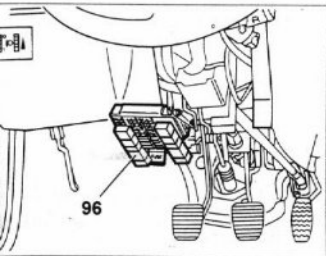
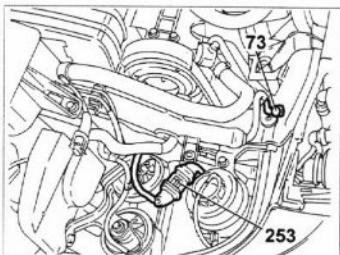
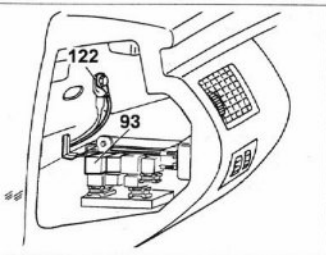
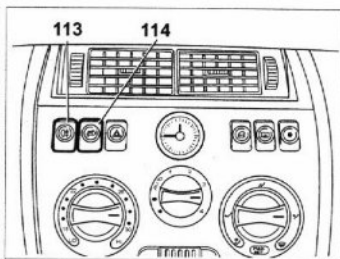
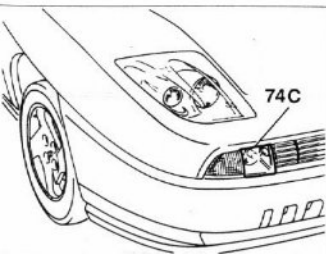
P3N120L01

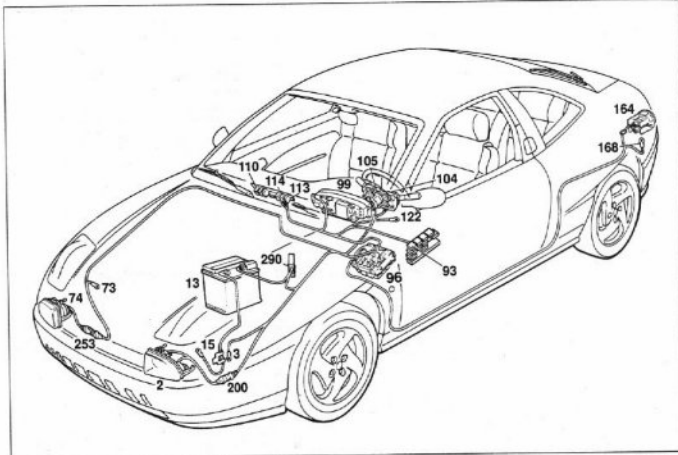
Front fog lamps and warning light - Rear fog lamp and warning light



P3N130L62

# Location of components





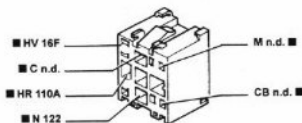
P3N150.02

## Front fog lamps and warning light - Rear fog lamp and warning light

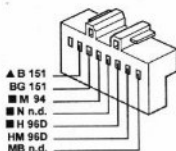
### Key to components

- |   |   |
|---|---|
| 2 Front left lights cluster                     | 99 Instrument panel                                     |
| A Direction indicator                           | L Rear fog lamps warning light                          |
| B Side light                                    | K Front fog lamps warning light                         |
| C Front fog lamp                                | 104 Stalk unit  |
| 3 Front left earth                              | 105 Ignition switch                                     |
| 13 Battery                                      | 110 Switch control unit                                 |
| 15 Earth on bodywork                            | 113 Rear fog lamps switch                               |
| 73 Front right earth                            | 114 Front fog lamps switch                              |
| 74 Front right lights cluster                   | 122 Earth on body shell, driver's side                  |
| A Direction indicator                           | 164 Rear left lights cluster                            |
| B Side light                                    | A Direction indicator                                   |
| C Headlamp adjustment motor                     | B Rear fog lamp   |
| 93 Front/rear fog lamps electronic control unit | 168 Rear earth  |
| 96 Fuse and relay unit                          | 200 Connection between front cable/front lights cluster |
| E10 Rear fog lamp relay                         | 253 Connection between front cable/right lights cluster |
| E12 Front fog lamp relay                        | 290 Power fuse box                                      |

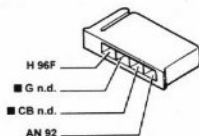
**93** Front left earth



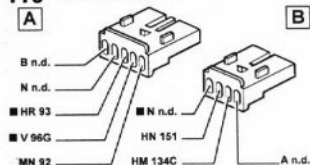
**99A** Instrument panel



**104D** Stalk unit



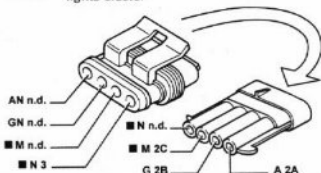
**110** Switch control unit



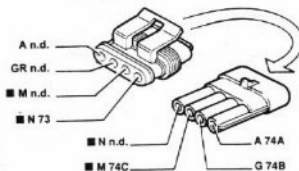
**164** Rear left lights cluster



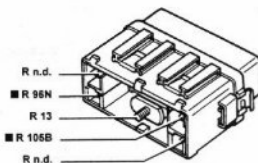
**200** Connection between front cable/front lights cluster



**253** Connection between front cable/front right lights cluster



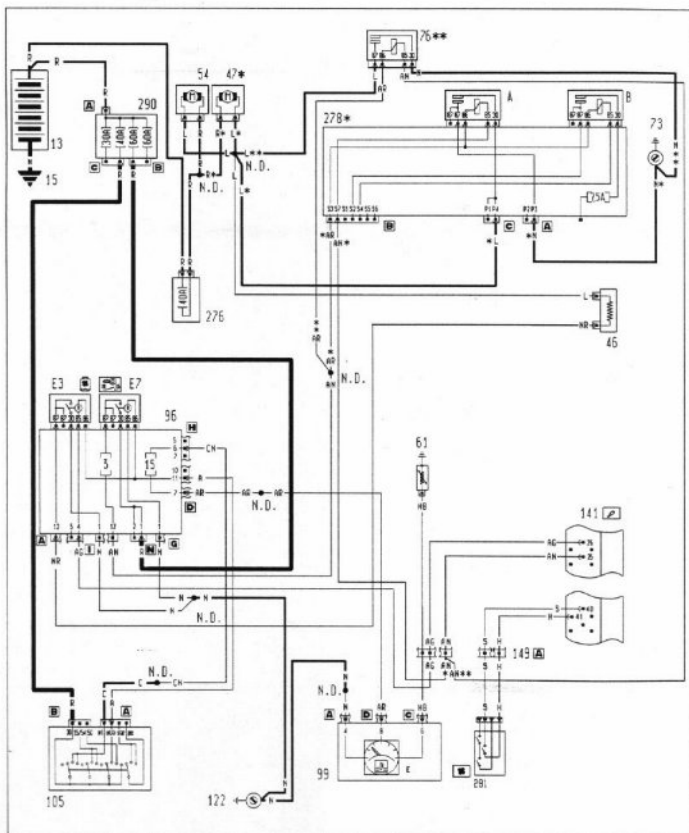
**290** Power fuse box



■ The cables involved in the wiring diagram are marked with a square  
▲ Only for specific markets

P3N16CL01

Engine cooling system - Car interior ventilation - Water temperature gauge



\* For versions with air conditioning

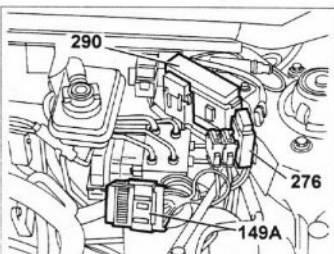
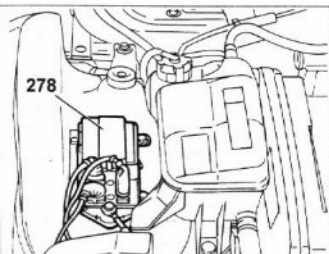
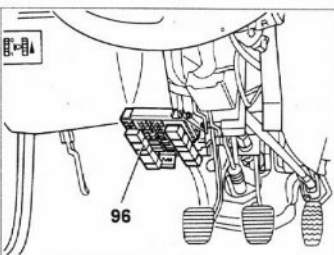
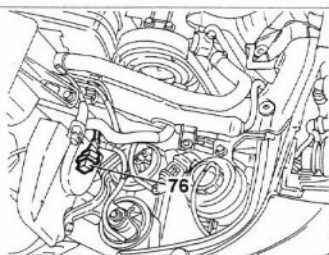
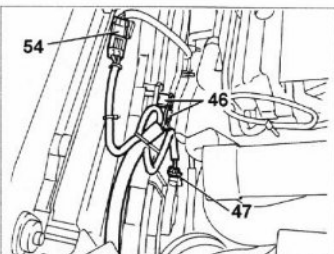
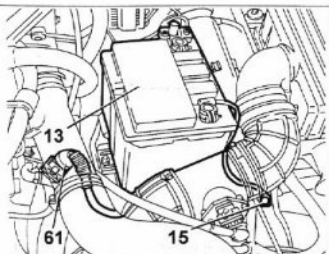
\*\* For versions with heating

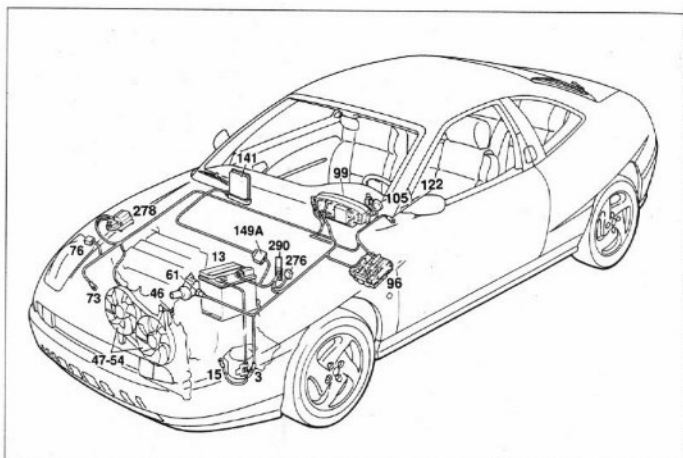
PSN170162

881781



# Location of components





P3N190L01

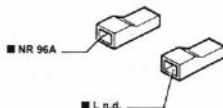
## Engine cooling system - Car interior ventilation - Water temperature gauge

### Key to components

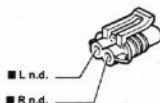
- |   |  |
|---|--|
| 3 Front left earth  | 105 Ignition switch                                      |
| 13 Battery  | 122 Earth on body shell, driver's side                   |
| 15 Earth on bodywork                                      | 141 Ignition and fuel injection control unit             |
| 28 Engine coolant temperature sensor                      | 149A Connection between front cable/fuel injection cable |
| 46 Resistor for switching on engine cooling fan low speed | 276 40A fuse protecting engine cooling fan               |
| 47 Engine cooling fan (2nd)                               | 178 Relay and fuse box for air conditioner               |
| 54 Engine cooling fan                                     | 290 Power fuse box                                       |
| 61 Engine coolant temperature sender                      |  |
| 73 Front right earth                                      |  |
| 76 Relay for switching on engine cooling fan high speed   |  |
| 96 Fuse and relay unit                                    |  |
| E7 Ignition switch discharge relay                        |  |
| E3 Engine cooling fans relay                              |  |
| 99 Instrument panel                                       |  |

### 55.

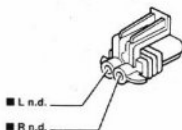
**46** Resistor switching on engine cooling fan low speed



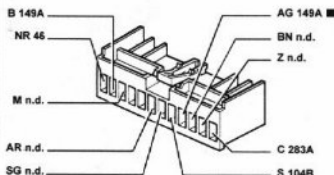
**47** Engine cooling fan (2nd)



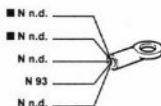
**54** Engine cooling fan



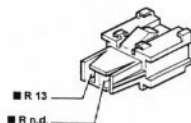
**96A** Fuse and relay unit



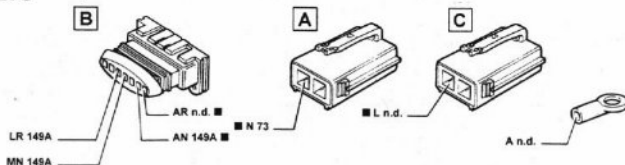
**122** Earth on body shell, driver's side



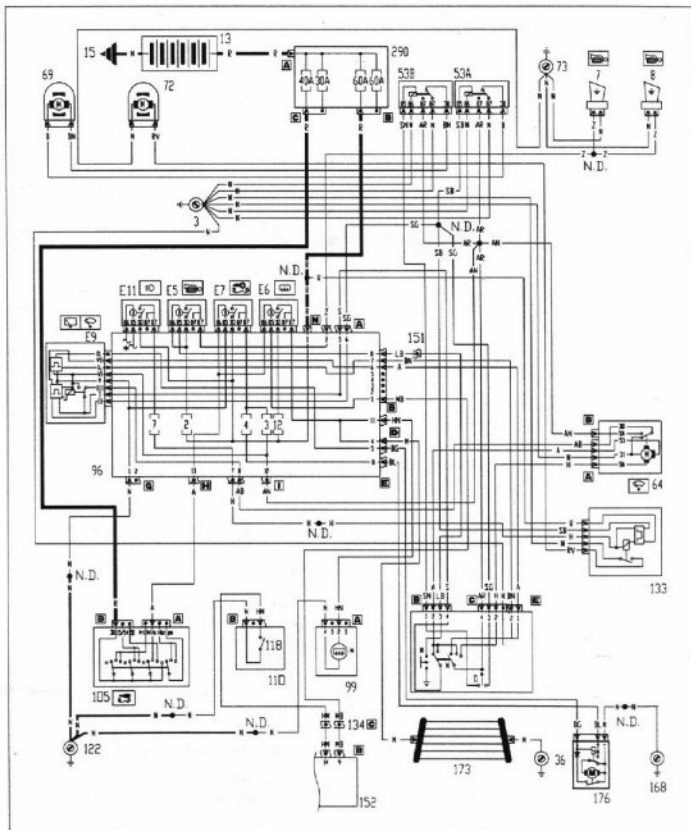
**276** 40 A fuse protecting engine cooling fan



**278** Relay and fuse box for air conditioner



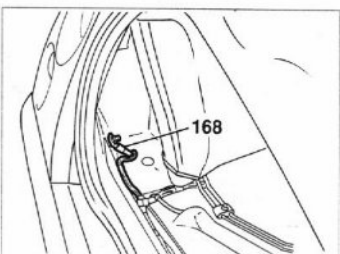
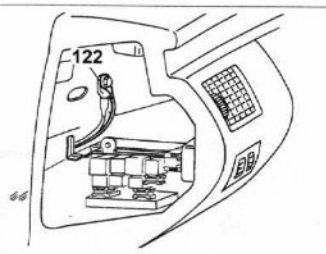
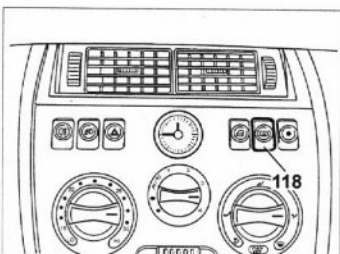
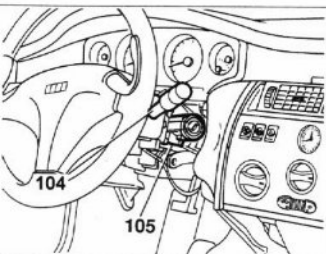
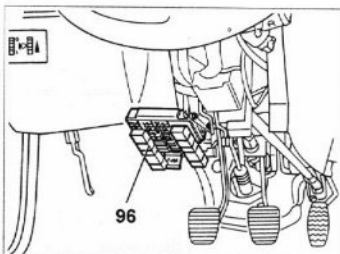
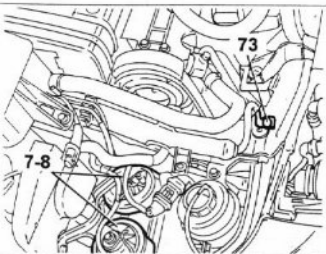
Windscreen wash/wipe - Rear window wash/wipe - Electric horns - Heated rear window and warning light - Headlamp washer

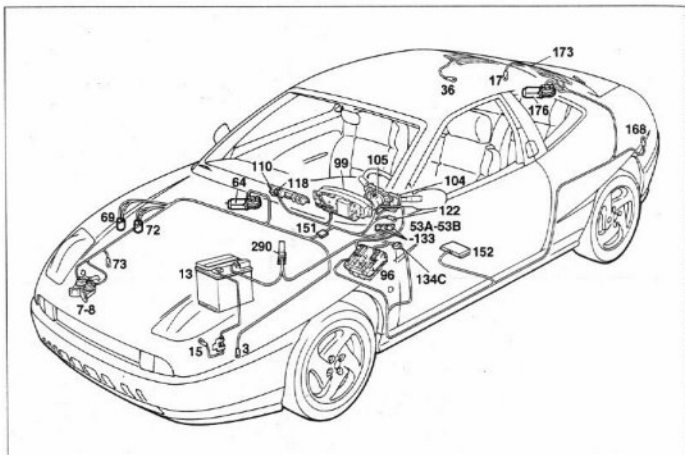


(\*) See "Side lights" diagram

P3N21C1.02

# Location of components





P35/230L01

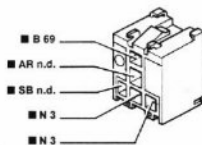
**Windscreen wash/wipe - Rear window wash/wipe - Electric horns - Heated rear window and warning light - Headlamp washer**

**Key to components**

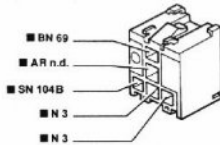
- |   |  |
|---|--|
| 3 Front left earth                                  | 99 Instrument panel                                |
| 7 Low tone horn                                     | 104 Stalk unit                                     |
| 8 High tone horn                                    | 105 Ignition switch                                |
| 13 Battery  | 110 Switch unit                                    |
| 15 Earth on bodywork                                | 118 Switch for heated rear window                  |
| 36 Rear earth on rear window pillar                 | 122 Earth on body shell, driver's side             |
| 69 Windscreen/rear window washer switch             | 133 Intermittent switch for headlamp washer        |
| 53B Rear window washer switch                       | 134C Connection between dashboard cable/rear cable |
| 64 Windscreen wiper motor                           | 151 Connection between front cable/dashboard cable |
| 69 Windscreen/rear window washer pump               | 152 Multi-function electronic control unit         |
| 72 Headlamp washer pump                             | 168 Rear earth, driver's side                      |
| 73 Front right earth                                | 173 Heated rear window                             |
| 96 Fuse and relay unit                              | 176 Rear window wiper motor                        |
| E5 Horn relay                                       | 290 Power fuse box                                 |
| E6 Heated rear window relay                         |  |
| E7 Ignition switch discharge relay                  |  |
| E9 Windscreen/rear window wiper intermittent switch |  |
| E11 Dipped beam relay                               |  |

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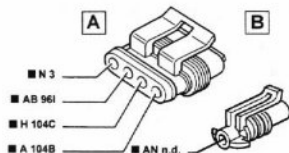
### 53A Windscreen washer switch



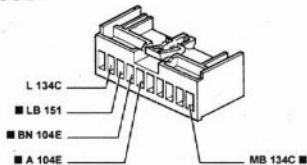
### 53B Rear window washer switch



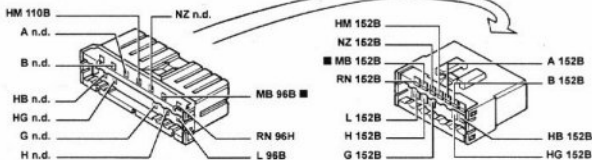
### 64 Windscreen wiper motor



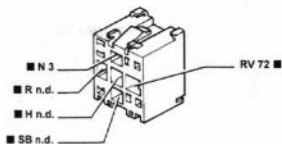
### 96B Fuse and relay unit



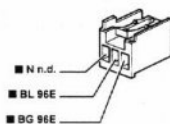
### 134C Dashboard cable/rear cable connection



### 133 Flasher unit for headlamp washer



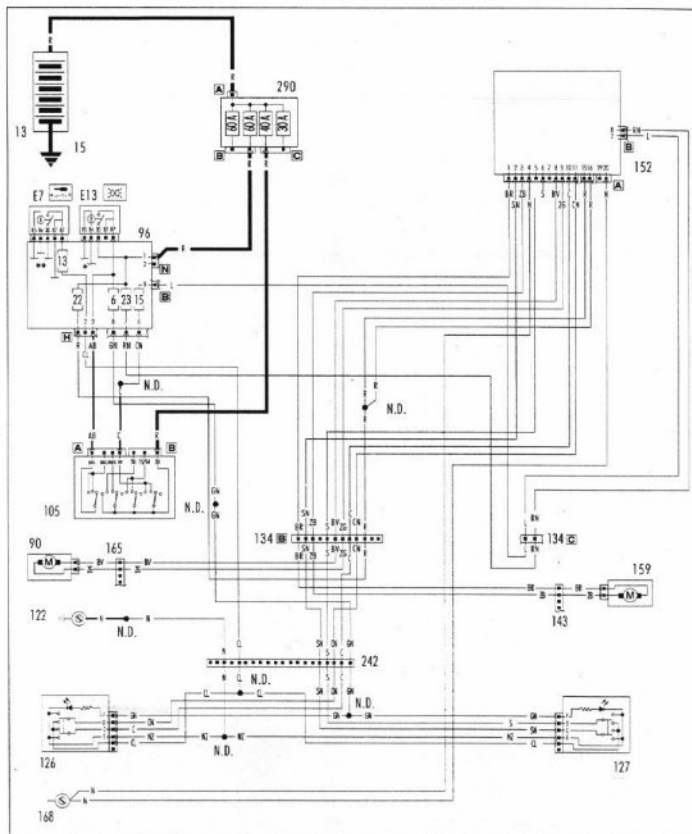
### 176 Rear window wiper motor



■ The cables involved in the wiring diagram are marked by a square

P3N240LC2

Electric windows

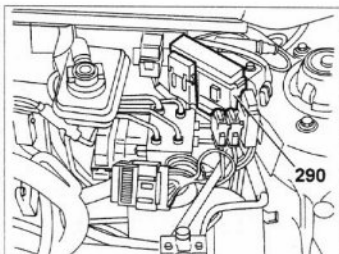
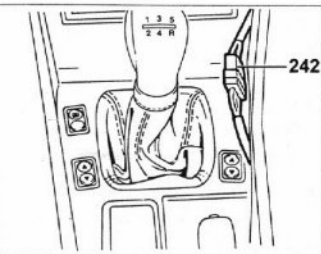
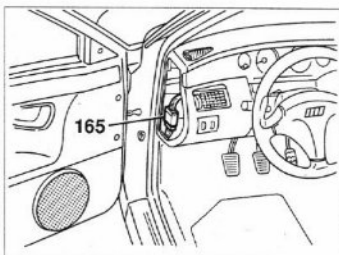
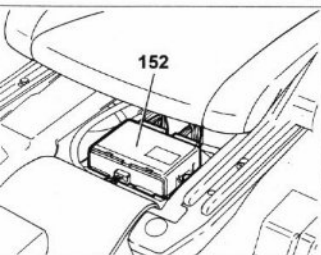
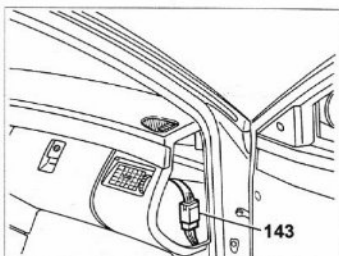
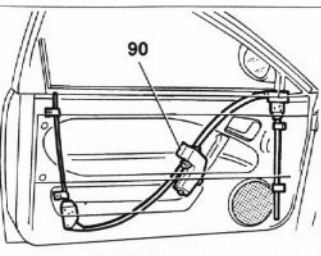


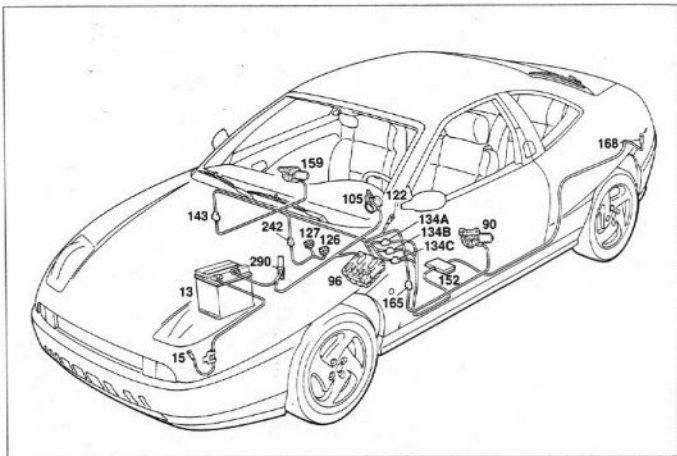
- (\*) See "side lights" diagram  
(\*\*) See "engine cooling system" diagram

P3A250L02



# Location of components





P3N27CLM1

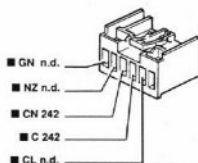
## Electric windows

### Key to components

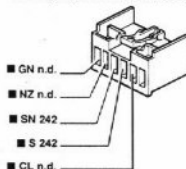
- |     |  |     |   |
|-----|--|-----|---|
| 13  | Battery  | 143 | Dashboard cable/right door cable connection |
| 15  | Earth on bodywork  | 152 | Multifunctions electronic control unit      |
| 90  | Left electric window motor   | 159 | Right electric window motor                 |
| 96  | Fuse and relay unit  | 165 | Dashboard cable/left door cable connection  |
|     | E9 Windscreen/rear window intermittent switch                        | 168 | Rear earth                                  |
|     | E13 Side lights relay  | 242 | Dashboard cable/central console connection  |
| 105 | Ignition switch  | 290 | Power fuse box                              |
| 122 | Earth on body shell, driver's side                                   |     |   |
| 126 | Pushbutton unit on central console controlling left electric window  |     |   |
| 127 | Pushbutton unit on central console controlling right electric window |     |   |
| 134 | Dashboard cable/rear cable connection                                |     |   |

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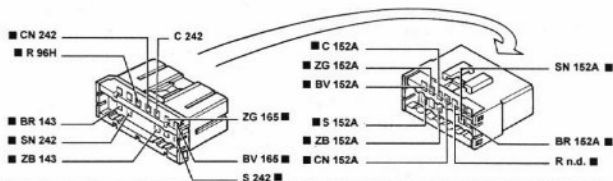
**126** Pushbutton unit on central console controlling left electric window



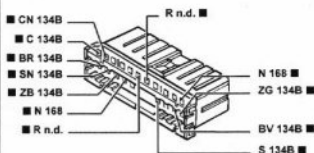
**127** Pushbutton unit on central console controlling right electric window



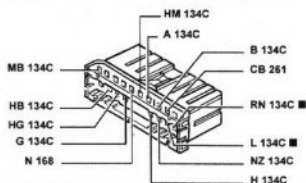
**134** Dashboard cable/rear cable connection



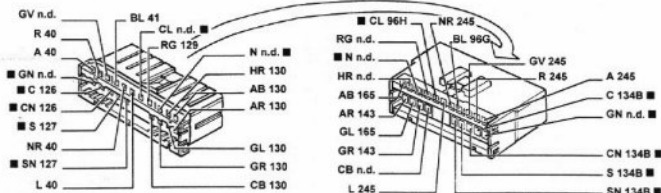
**152A** Multifunctions electronic control unit



**152B** Multifunctions electronic control unit



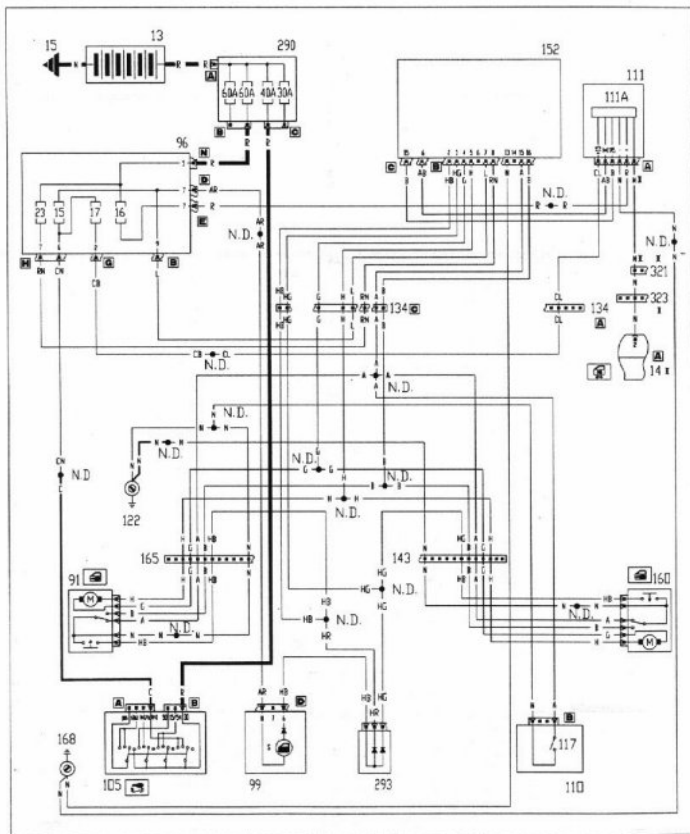
**242** Connection between dashboard cable and cable on central console



■ The cables involved in the wiring diagram are marked with a square

P3N2801.02

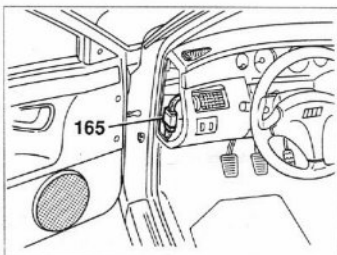
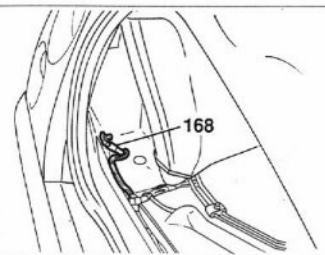
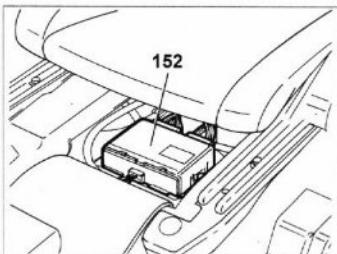
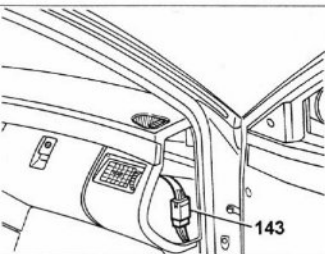
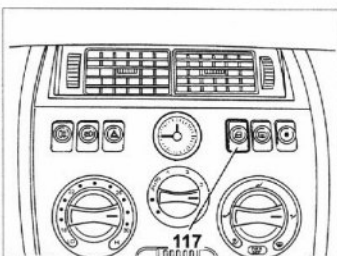
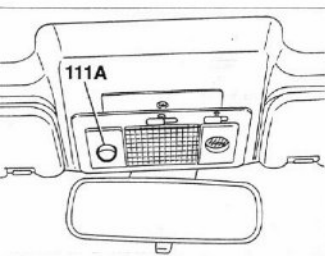
Central door locking system - Door open warning light

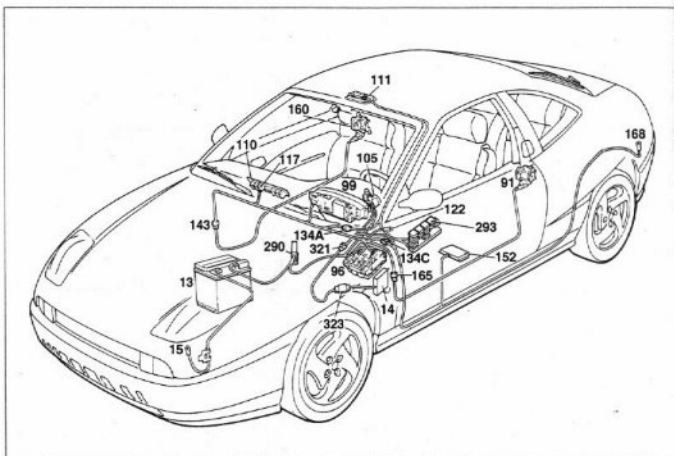


\* For versions with alarm system

P3N290.02

Location of components





P3N310402

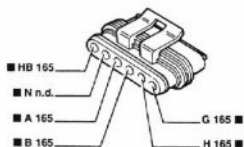
## Central door locking system - Door open warning light

### Key to components

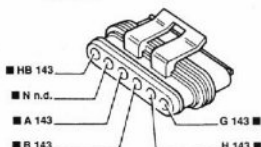
- |  |   |
|--|---|
| 13 Battery   | 134C Dashboard cable/rear cable connection                          |
| 14 Anti-theft device electronic control unit                   | 143 Dashboard cable/right door cable connection                     |
| 15 Earth on bodywork   | 152 Multifunctions electronic control unit                          |
| 91 Left door locking motor and door open indicator             | 160 Right door locking motor and door open indicator                |
| 96 Fuse and relay unit   | 165 Dashboard cable/left door cable connection                      |
| 99 Instrument panel  | 168 Rear earth, driver's side                                       |
| 110 Ignition switch  | 290 Power fuse box  |
| 111 Courtesy light with remote control receiver and spot light | 293 Two-diode container   |
| 111A Door lock remote control receiver                         | 321 Connection between front cable/rear cable for anti-theft device |
| 117 Button for switching on central door locking               | 323 Connection between anti-theft device cables/front cables        |
| 122 Earth on body shell, driver's side                         |   |
| 134A Dashboard cable/rear cable connection                     |   |

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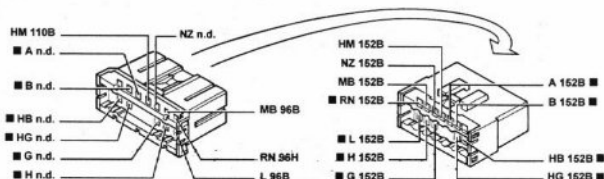
**91** Left door locking motor and door open indicator



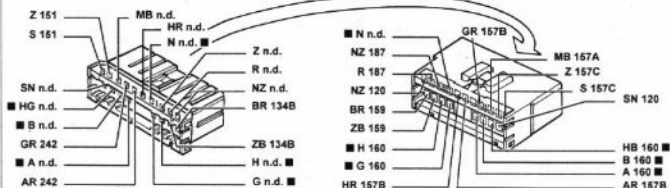
**160** Right door locking motor and door open indicator



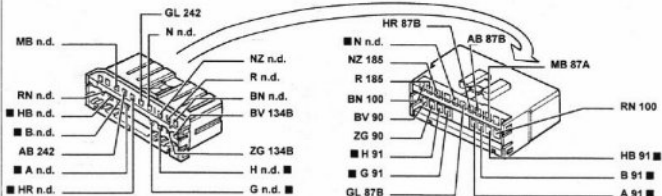
**134C** Dashboard cable/rear cable connection



**143** Dashboard cable/right door cable connection



**165** Dashboard cable/left door cable connection



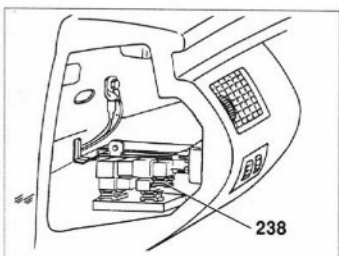
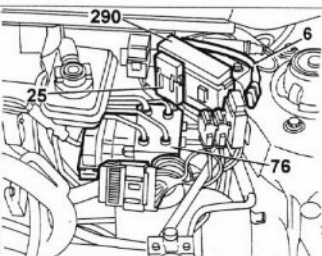
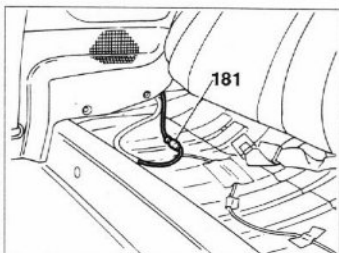
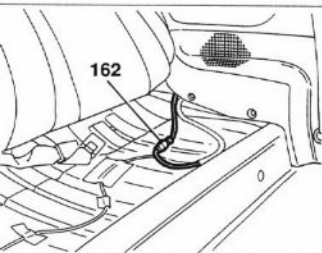
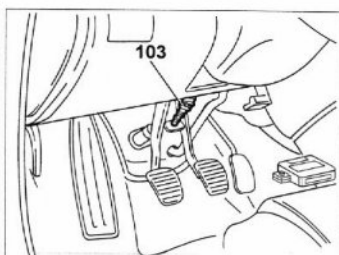
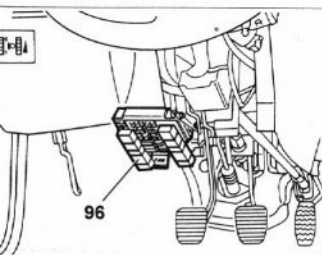
The cables involved in the wiring diagram are marked with a square

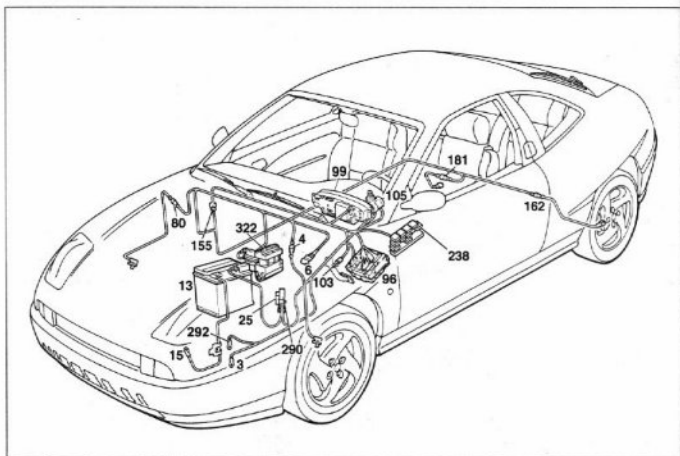
P3N320101





# Location of components





P3N390L62

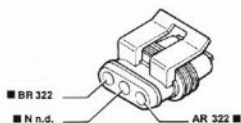
## Anti-lock braking system and fault warning light

### Key to components

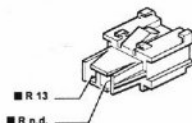
- |   |  |
|---|--|
| 3 Front left earth  | 103 Stop lights switch                                     |
| 4 Sensor on front left wheel (A.B.S.)                     | 105 Ignition switch  |
| 6 Diagnostic socket for anti-lock braking system (A.B.S.) | 155 A.B.S. cable/dash-board cable connection               |
| 13 Battery  | 162 Sensor on rear left wheel (A.B.S.)                     |
| 15 Earth on bodywork                                      | 181 Sensor on rear right wheel (A.B.S.)                    |
| 17 Reversing lights switch                                | 238 10A fuse protecting anti-lock braking system (A.B.S.)  |
| 25 60A fuse protecting A.B.S.                             | 290 Power fuse box   |
| 80 Sensor on front right wheel (A.B.S.)                   | 292 Front left earth for anti-lock braking system (A.B.S.) |
| 96 Fuse and relay unit                                    | 322 Electronic control unit for anti-lock braking system   |
| 99 Instrument panel                                       |  |

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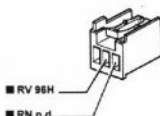
**6** Diagnostic socket for anti-lock braking system



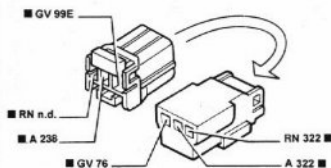
**25** 60A fuse protecting A.B.S.



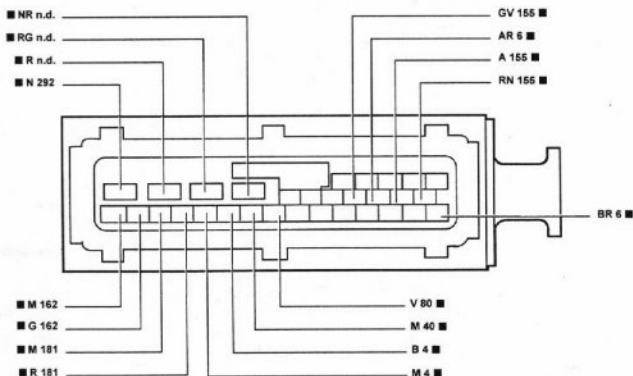
**103** Stop lights switch



**155** A.B.S. cable/dashboard cable connection



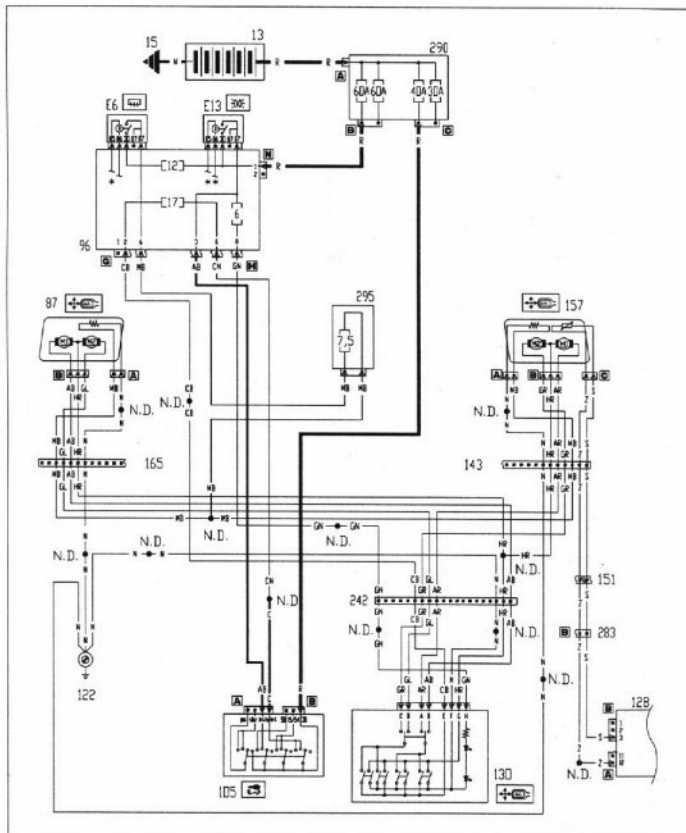
**322** Electronic control unit for anti-lock braking system



■ The cables involved in the wiring diagram are marked with a square

P3N3601.02

**Electrically-adjustable and heated rearview mirrors**

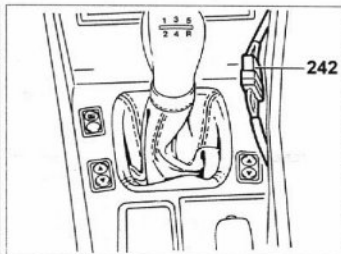
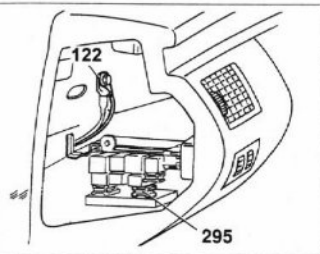
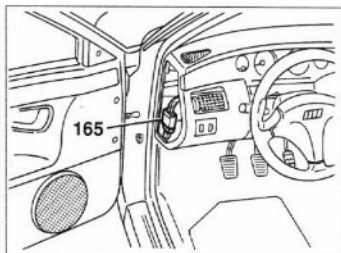
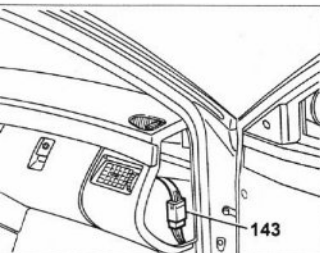
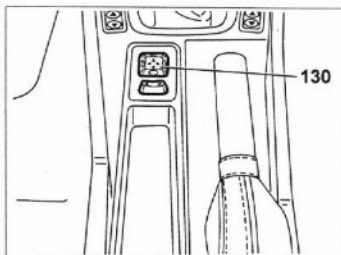
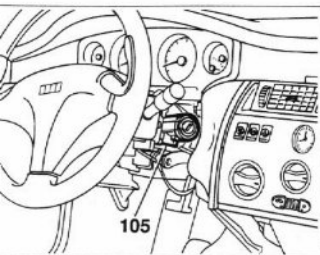


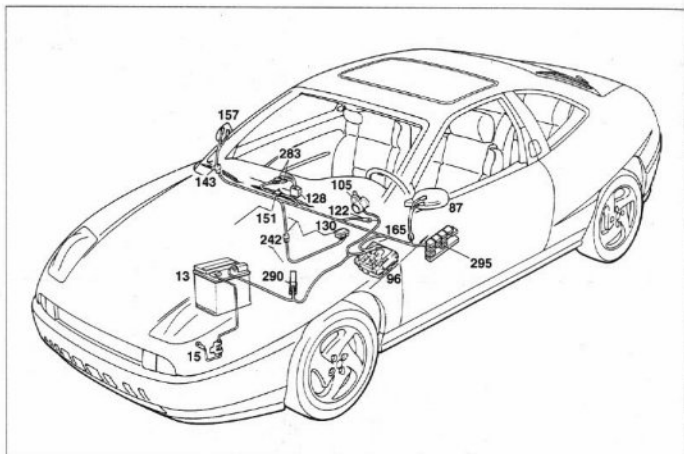
(\*) See "Heated rear window" diagram

(\*\*) See "Side lights" diagram

PENTITOLIN

Location of components





P29302.00

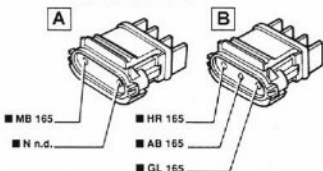
## Electrically-adjustable and heated external rearview mirrors

### Key to components

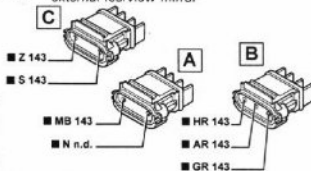
- 13 Battery
- 15 Earth on bodywork
- 87 Left electrically-adjustable and heated external rearview mirror
- 96 Fuse and relay unit
  - E6 Heated rear window relay
  - E13 Side lights relay
- 105 Ignition switch
- 122 Earth on body shell, driver's side
- 128 Heater/air conditioner control unit
- 130 Pushbutton unit controlling electrically-adjustable external rearview mirrors
- 143 Dashboard cable/right door cable connection
- 151 Front cable/dashboard cable connection

- 157 Right electrically-adjustable and heated external rearview mirror
- 165 Dashboard cable/left door cable connection
- 242 Connection between dashboard cable/central console cable
- 283 Engine cable/air conditioner cable connection
- 290 Power fuse box
- 295 7.5A fuse protecting electric mirror defrosting system

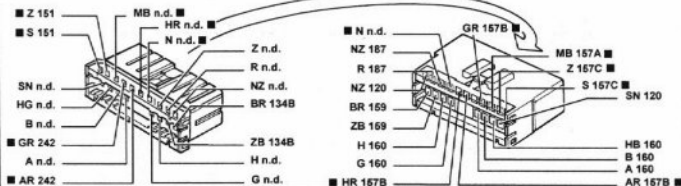
#### 87 Left electrically-adjustable and heated external rearview mirror



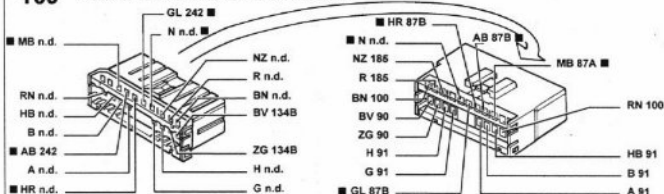
#### 157 Right electrically-adjustable and heated external rearview mirror



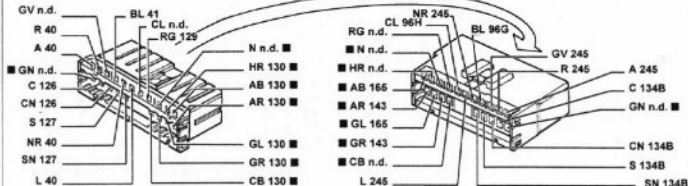
#### 143 Dashboard cable/right door cable connection



#### 165 Dashboard cable/left door cable connection



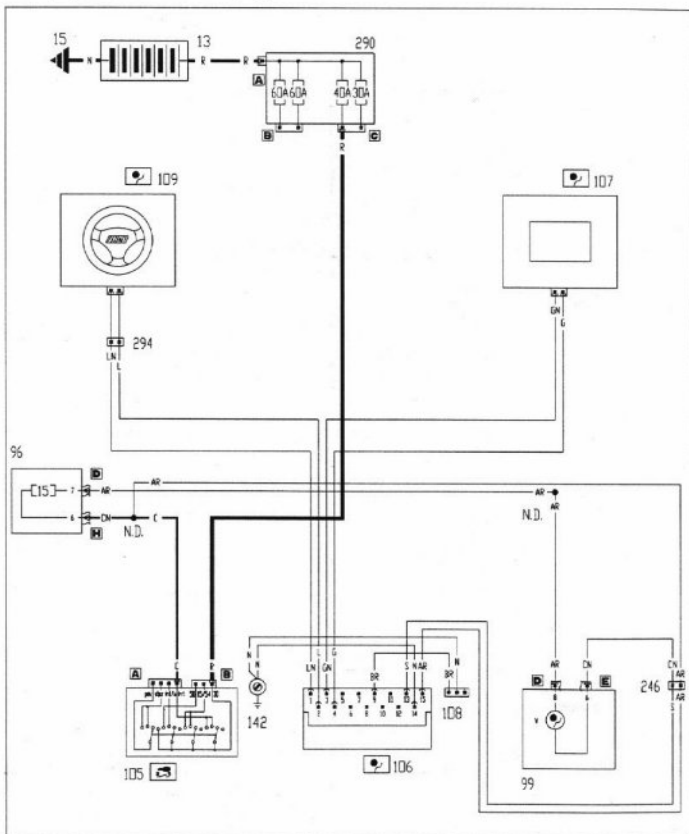
#### 242 Dashboard cable/central console connection



The cables involved in the wiring diagram are marked with a square

P3N400L02

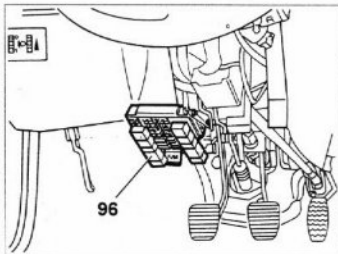
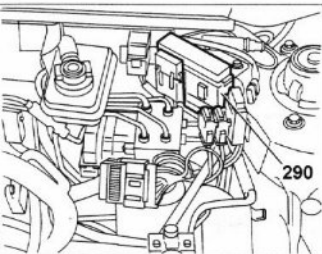
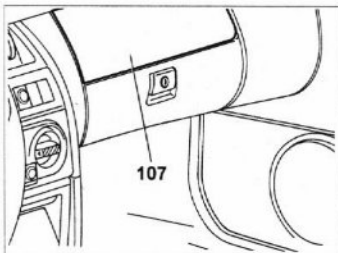
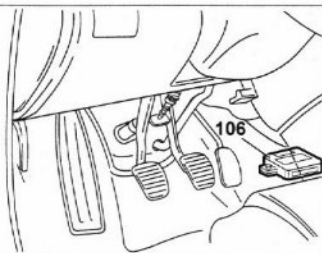
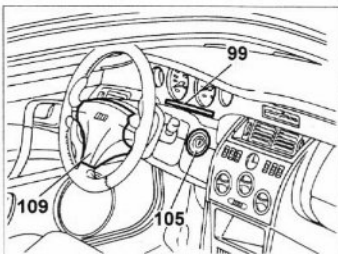
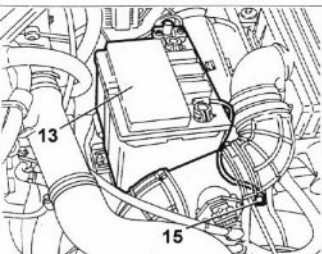
Air Bag system and fault warning light

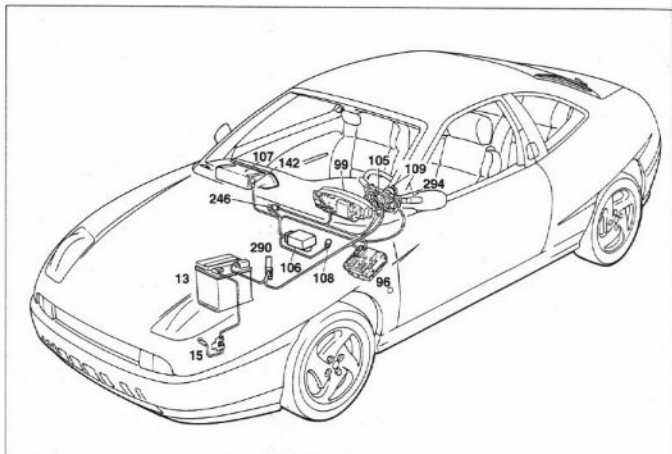


P394101.02



# Location of components





**Air Bag system and fault warning light**

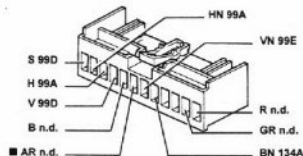
PIN 430/02

**Key to components**

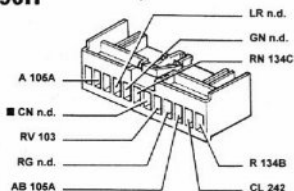
- |                                     |  |
|-------------------------------------|--|
| 13 Battery                          | 109 Driver's Air Bag module            |
| 15 Earth on bodywork                | 142 Earth for Air Bag                  |
| 96 Fuse and relay unit              | 246 Air Bag cables connection          |
| 99 Instrument panel                 | 290 Power fuse box                     |
| 105 Ignition switch                 | 294 Connection between Air Bag cable   |
| 106 Air Bag electronic control unit | driver's Air Bag module (Clock Spring) |
| 107 Passenger's Air Bag module      |  |
| 108 Diagnostic socket for Air Bag   |  |

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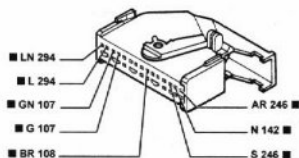
**96D** Fuse and relay unit



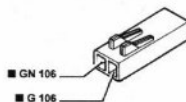
**96H** Fuse and relay unit



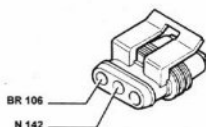
**106** Air Bag electronic control unit



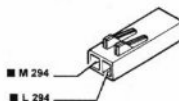
**107** Passenger's Air Bag module



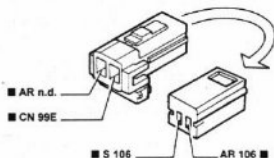
**108** Diagnostic socket for Air Bag



**109** Driver's Air Bag module



**246** Air Bag cables connection



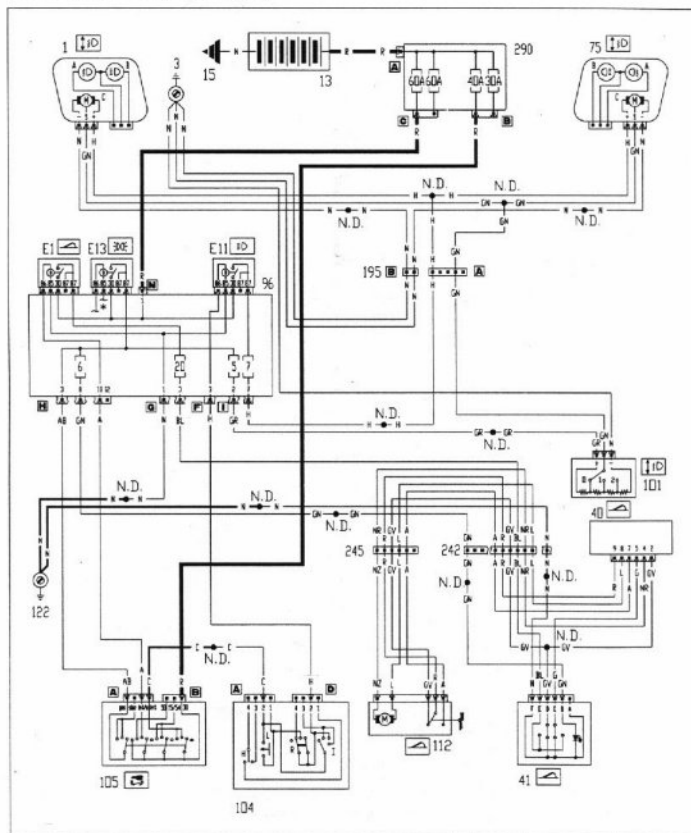
**142** Earth for AIR BAG



■ The cables involved in the wiring diagram are marked with a square

PSN44015

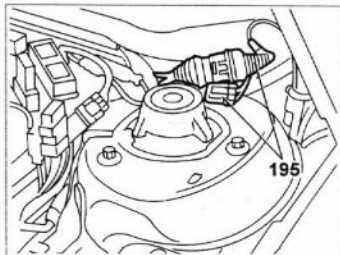
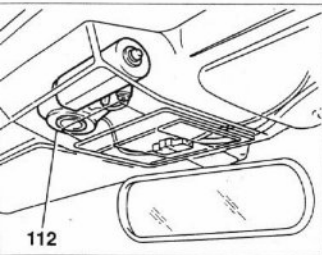
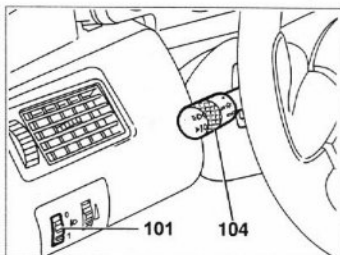
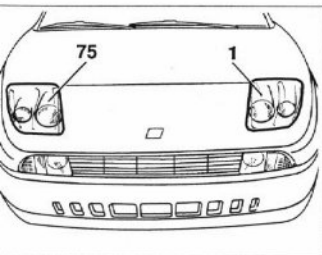
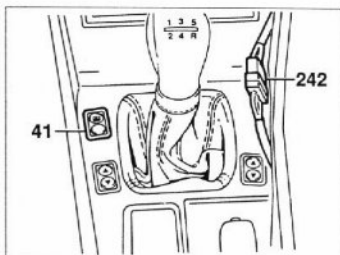
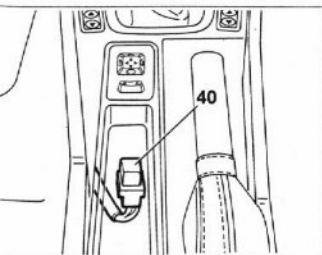
Electric sunroof - Headlamp adjuster

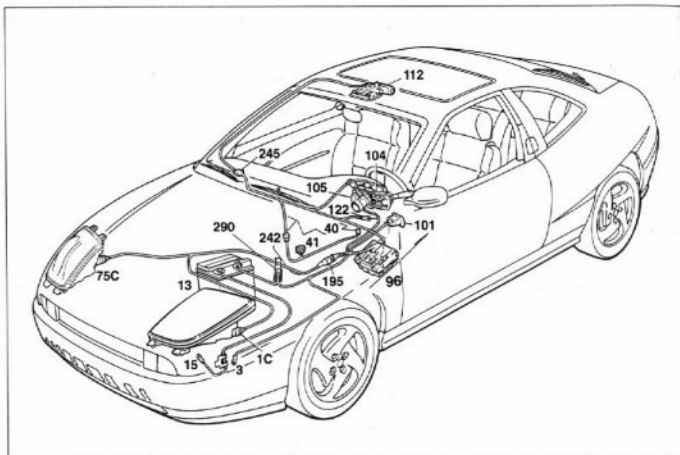


P3N4601.02

\* See "Side lights" diagram

# Location of components





P3N70L02

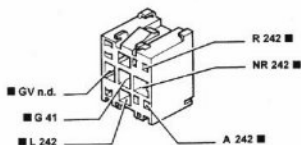
## Electric sunroof - Headlamp adjuster

### Key to components

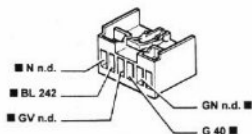
- |   |  |
|---|--|
| 1 Front left headlamp                       | 101 Headlamp adjuster control unit                             |
| A Dipped beam                               | 104 Stalk unit   |
| B Main beam                                 | 105 Ignition switch  |
| C Headlamp adjustment motor                 | 112 Electric sunroof   |
| 3 Front left earth                          | 122 Earth on body shell, driver's side                         |
| 13 Battery                                  | 195 Headlamp adjuster cables connection                        |
| 15 Earth on bodywork                        | 242 Dashboard cable/central console cable connection           |
| 40 Electric sunroof electronic control unit | 245 Connection between dashboard cable/ electric sunroof cable |
| 41 Electric sunroof button                  | 290 Power fuse box   |
| 75 Front right headlamp                     |  |
| A Dipped beam                               |  |
| B Main beam                                 |  |
| C Headlamp adjustment motor                 |  |
| 96 Fuse and relay unit                      |  |
| E11 Dipped beam relay                       |  |
| E13 Side lights relay                       |  |
| E1 Sunroof relay                            |  |

55.

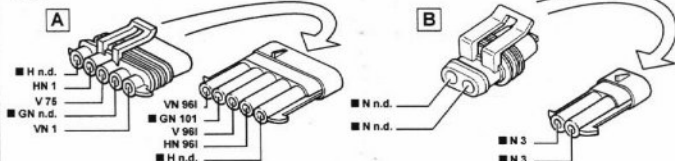
**40** Electric sunroof electronic control unit



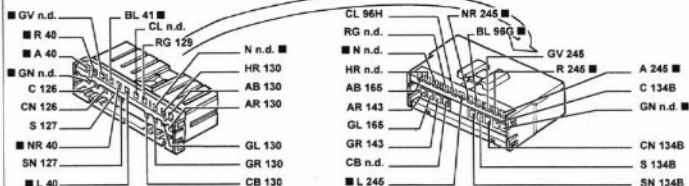
**41** Electric sunroof button



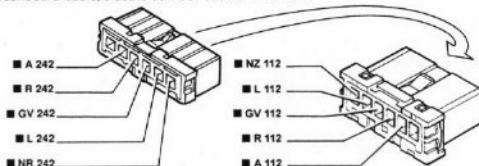
**195** Headlamp adjuster cables connection



**242** Dashboard cable/central console cable connection



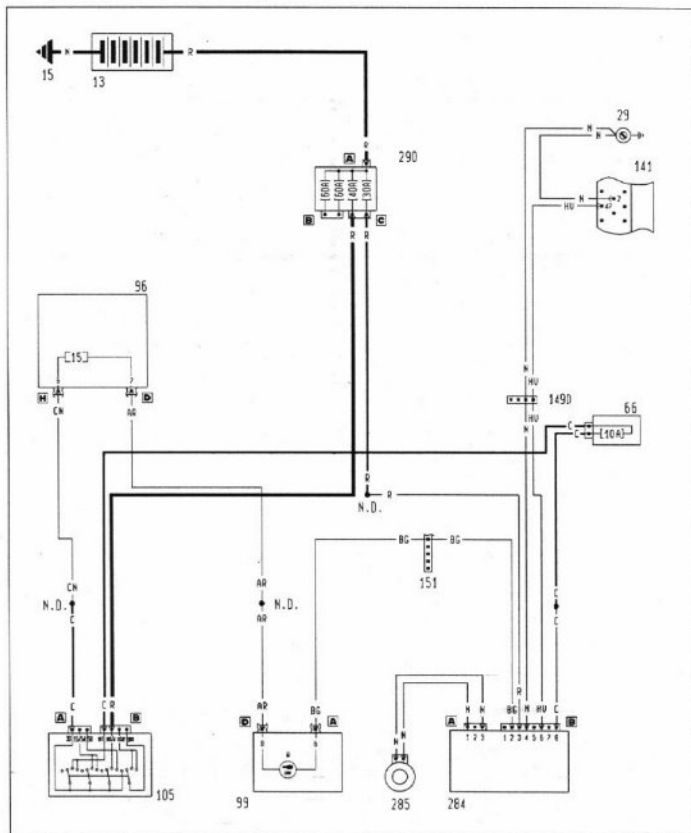
**245** Dashboard cable/electric sunroof cable connection



■ The cables involved in the wiring diagram are marked with a square

P3N480182

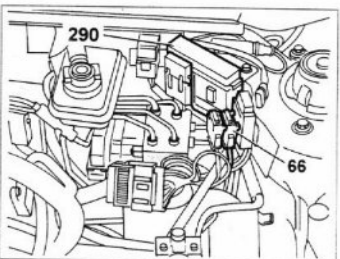
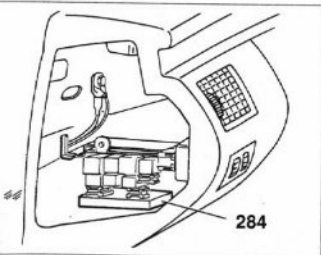
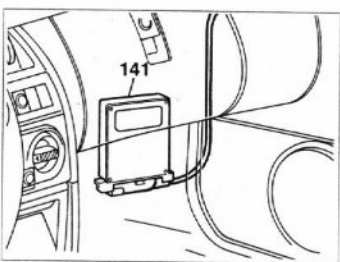
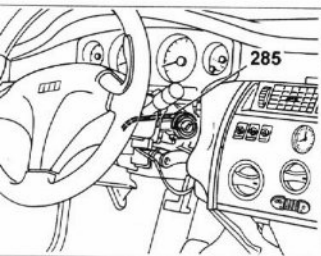
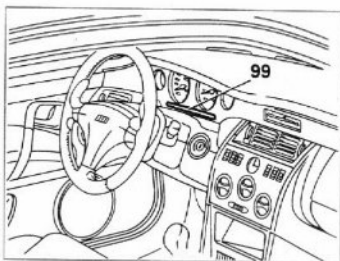
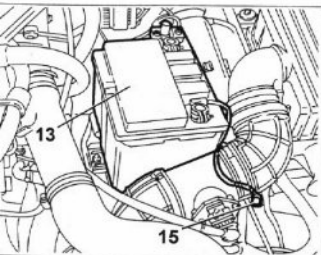
Fiat CODE system and fault warning light

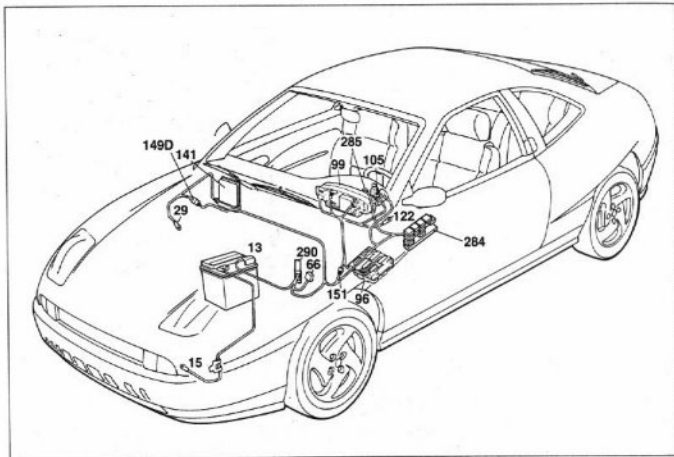


P3149CL02



# Location of components





P3N510.L02

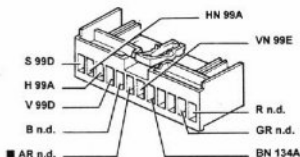
## Fiat CODE and fault warning light

### Key to components

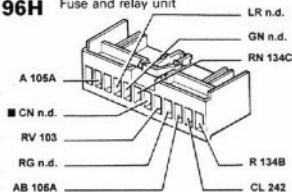
- 13 Battery
- 15 Earth on bodywork
- 29 Earth on engine
- 66 10A fuse protecting Fiat CODE electronic control unit
- 96 Fuse and relay unit
- 99 Instrument panel
- 105 Ignition switch
- 141 Electronic ignition and fuel injection control unit

- 149D Front cable/fuel injection cable connection
- 151 Front cable/dashboard cable connection
- 284 Fiat CODE electronic control unit
- 285 Aerial on ignition switch for Fiat CODE electronic control unit
- 290 Power fuse box

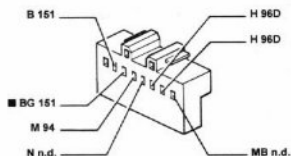
#### 96D Fuse and relay unit



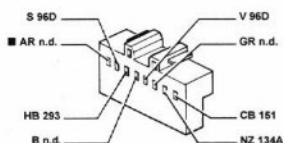
#### 96H Fuse and relay unit



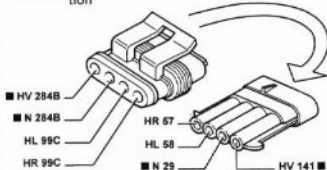
#### 99A Instrument panel



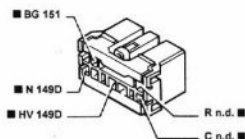
#### 99D Instrument panel



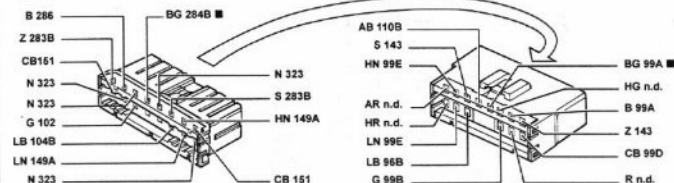
#### 149D Front cable/fuel injection cable connection



#### 284B Fiat CODE electronic control unit



#### 151 Front cable/dashboard cable connection

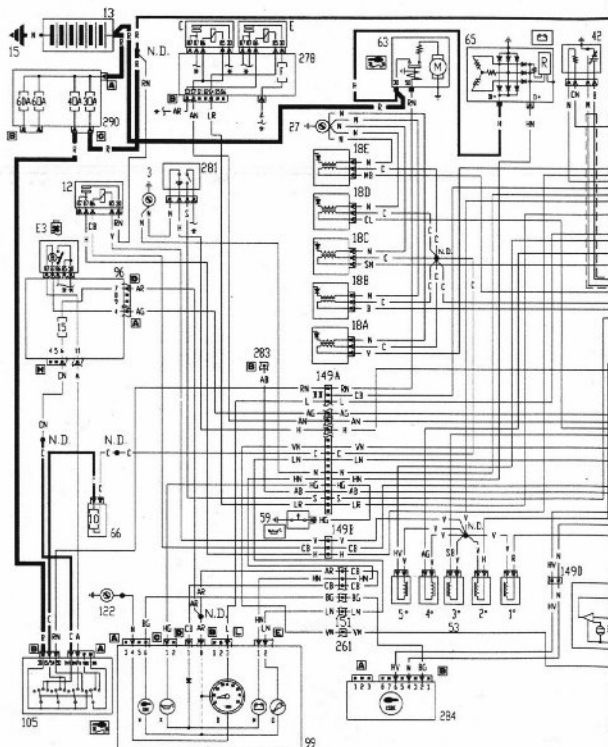


The cables involved in the wiring diagram are marked with a square

P3N5201.02

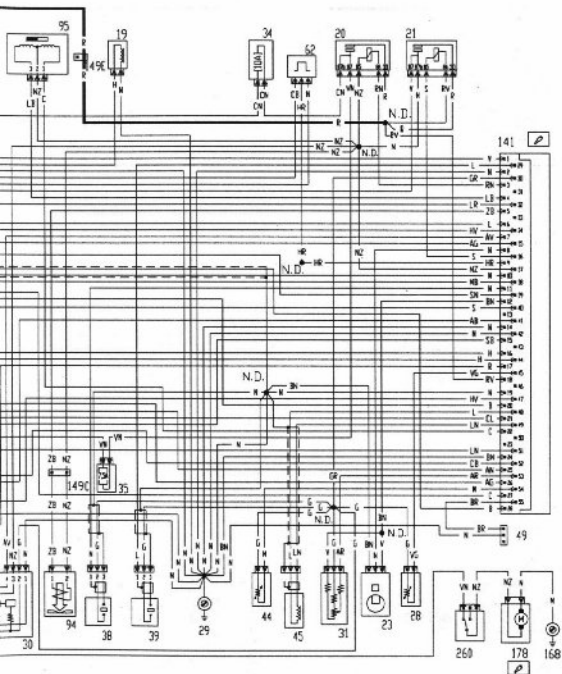
Model: Normally aspirated

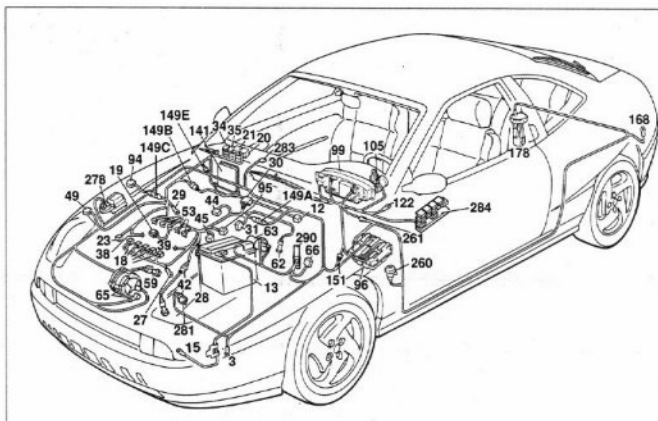
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Engine oil low pressure warning light - Rev counter - Fiat CODE system fault warning light



\* For versions with air conditioning

\*\* See "Engine cooling system" diagram





P3N3M0L2

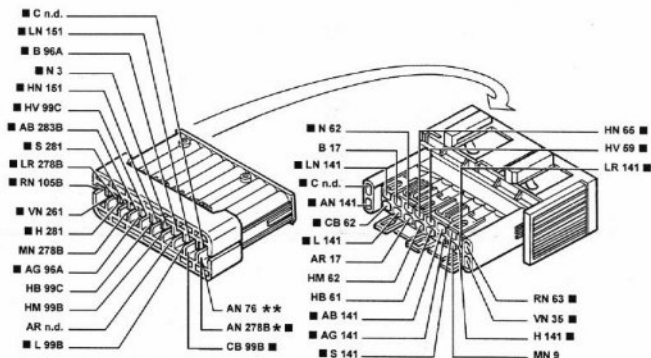
**Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Catalytic converter over heating warning light - Rev counter - Fiat CODE fault warning light**

#### Key to components

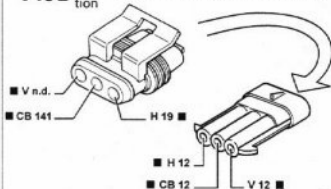
- 3 Front left earth
- 12 Timing variator relay
- 13 Battery
- 15 Earth on bodywork
- 18 Ignition coils
- 19 Timing variator solenoid
- 20 Fuel pump relay
- 21 Injector control relay
- 23 HALL effect phase sensor
- 27 Earth on engine
- 28 Engine coolant temperature sensor
- 29 Earth on engine
- 30 Air flowmeter
- 31 Throttle valve potentiometer
- 34 10A fuse protecting Lambda probe
- 35 Fuel pump fuse
- 38 Knock sensor 1
- 39 Knock sensor 2
- 42 Heated Lambda probe
- 44 Air temperature sensor
- 45 Rpm and T.D.C. sensor
- 49 Diagnostic socket for injection
- 53 Fuel injectors
- 59 Low oil pressure warning light switch
- 62 Pulse generator for speedometer signal
- 63 Starter motor
- 65 Alternator
- 66 10A fuse protecting Fiat CODE electronic control unit

- 94 Canister solenoid
- 95 Engine idle actuator
- 96 Fuse and relay unit
- E3 Ignition switch discharge relay
- 99 Instrument panel
- 105 Ignition switch
- 122 Earth on body shell, driver's side
- 141 Electronic ignition and fuel injection control unit
- 149A Front cable/fuel injection cable connection (canister solenoid)
- 149B Front cable/fuel injection cable connection (timing variator)
- 149C Front cable/fuel injection cable connection (canister solenoid)
- 149D Front cable/fuel injection cable connection (Fiat CODE)
- 149E Front cable/fuel injection cable connection (Fiat CODE system supply)
- 151 Front cable/dashboard cable connection
- 168 Rear earth, driver's side
- 178 Electric fuel pump
- 260 Inertial switch for switching off fuel pump
- 261 Front cable/rear cable connection
- 278 Fuse and relay unit with air conditioner
- 281 Three-stage pressure-switch for air conditioner
- 283 Connection between engine bay and heater/air conditioner cables
- 284 Fiat CODE control unit
- 290 Power fuse box

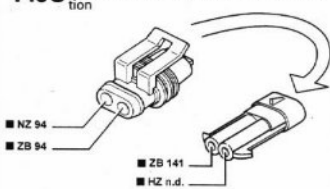
**149A** Front cable/fuel injection cable connection



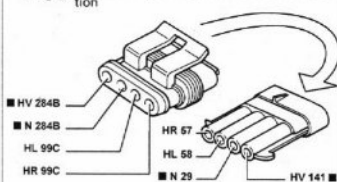
**149B** Front cable/fuel injection cable connection



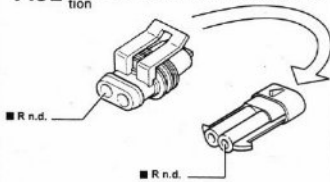
**149C** Front cable/fuel injection cable connection



**149D** Front cable/fuel injection cable connection



**149E** Front cable/fuel injection cable connection

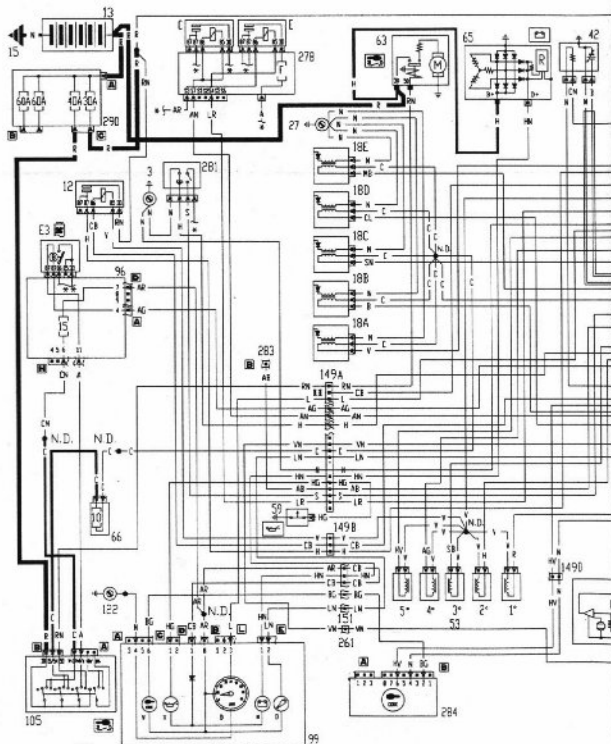


■ The cables involved in the wiring diagram are marked with a square  
 \* For versions with air conditioning \*\* For versions with heating

P3N560U02

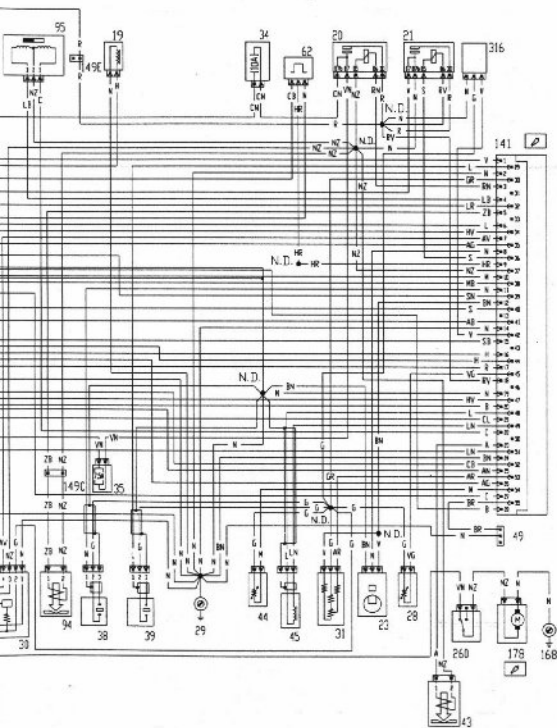
### Model: Turbo

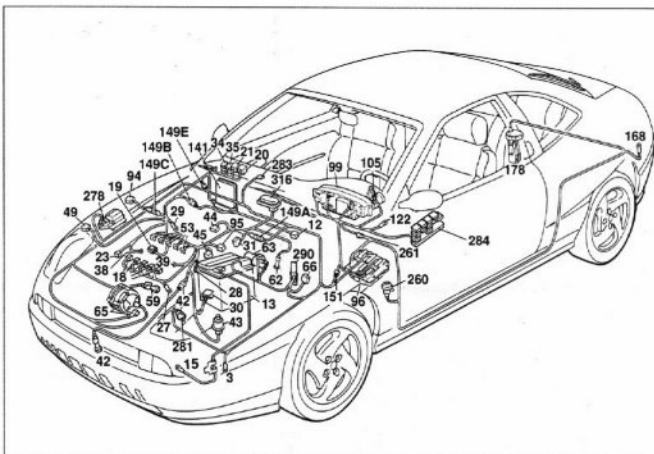
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat CODE fault warning light



\* For versions with air conditioning \*\* See "Engine cooling system" diagram







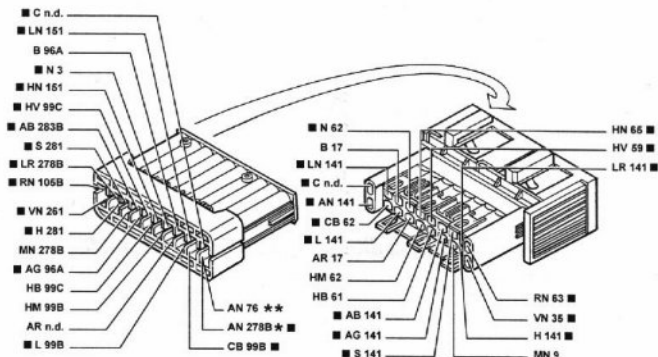
P3M580102

**Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Rev counter - Fiat CODE**

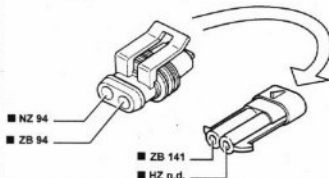
**Key to components**

- |  |   |
|--|---|
| 3 Front left earth                                       | 94 Canister solenoid  |
| 12 Timing variator relay                                 | 95 Engine idle actuator   |
| 13 Battery   | 96 Fuse and relay unit  |
| 15 Earth on bodywork                                     | E3 Ignition switch discharge relay  |
| 18 Ignition coils  | 99 Instrument panel   |
| 19 Timing variator solenoid                              | 105 Ignition switch   |
| 20 Fuel pump relay                                       | 122 Earth on body shell, driver's side                                    |
| 21 Injector control relay                                | 141 Electronic ignition and fuel injection control unit                   |
| 23 HALL effect phase sensor                              | 149A Front cable/fuel injection cable connection                          |
| 27 Earth on engine                                       | 149B Front cable/fuel injection cable connection (timing variator)        |
| 28 Engine coolant temperature sensor                     | 149C Front cable/fuel injection cable connection (canister solenoid)      |
| 29 Earth on engine                                       | 149D Front cable/fuel injection cable connection (Fiat CODE)              |
| 30 Air flowmeter   | 149E Front cable/fuel injection cable connection (i.e. system supply)     |
| 31 Potentiometer on throttle valve                       | 151 Front cable/dashboard cable connection                                |
| 34 10A fuse protecting Lambda probe                      | 168 Rear earth, driver's side   |
| 35 Fuel pump fuse  | 178 Electric fuel pump  |
| 38 Knock sensor 1  | 260 Inertial switch for switching off fuel pump                           |
| 39 Knock sensor 2  | 261 Front cable/rear cable connection                                     |
| 42 Heated Lambda probe                                   | 278 Fuse and relay unit with air conditioner                              |
| 43 Over-Boost solenoid                                   | 281 Three-stage pressure-switch for air conditioner                       |
| 44 Air temperature sensor                                | 283 Connection between engine bay cable and heater/air conditioner cables |
| 45 Rpm and T.D.C. sensor                                 | 284 Fiat CODE control unit  |
| 49 Diagnostic socket for fuel injection                  | 290 Power fuse box  |
| 53 Fuel injectors  | 316 Atmospheric pressure sensor   |
| 59 Low oil pressure warning light switch                 |   |
| 62 Pulse generator for speedometer signal                |   |
| 63 Starter motor   |   |
| 65 Alternator  |   |
| 66 10A fuse protecting Fiat CODE electronic control unit |   |

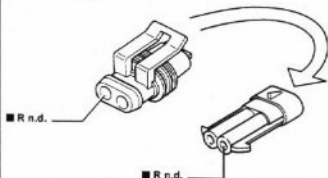
#### 149A Front cable/fuel injection cable connection



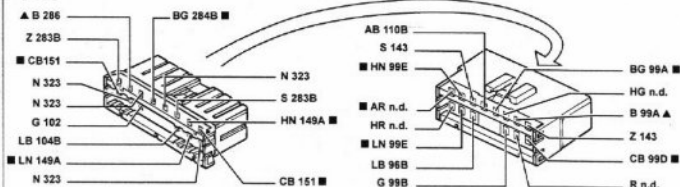
#### 149C Front cable/fuel injection cable connection



#### 149E Front cable/fuel injection cable connection



#### 151 Front cable/fuel injection cable connection



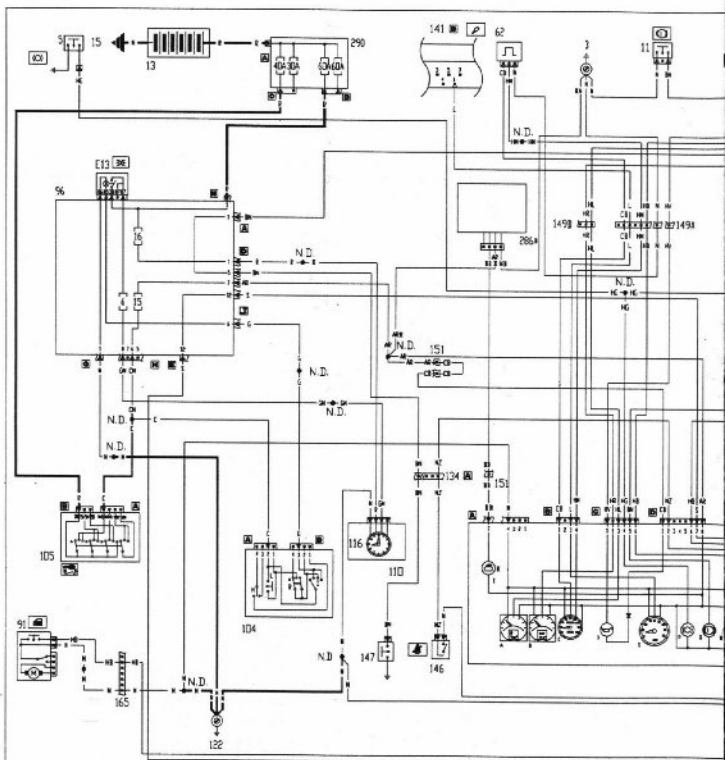
■ The cables involved in the wiring diagram are marked with a square

▲ Only for specific markets

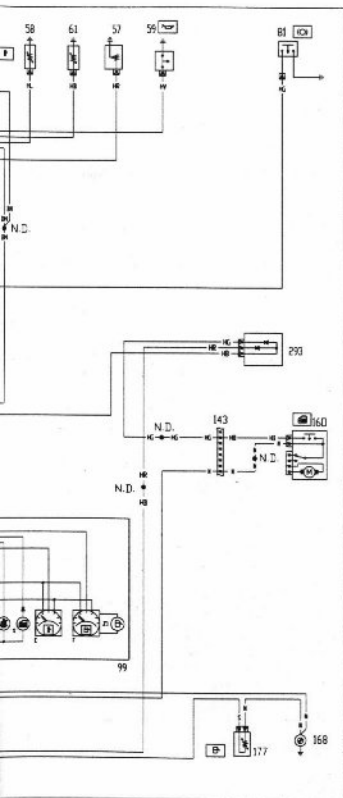
\* For versions with air condition-ing  
 \*\* For versions with heating

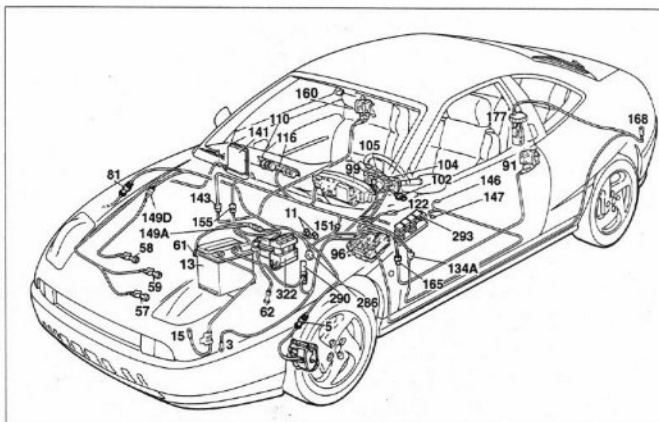
P3N8001.02

Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Low brake fluid level and handbrake on warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Digital clock - Engine oil pressure gauge



\* Only for specific markets





P3830182

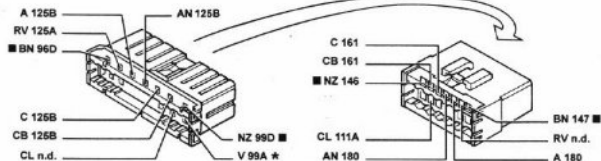
**Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Low brake fluid level and handbrake on warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Digital clock - Engine oil pressure gauge**

#### Key to components

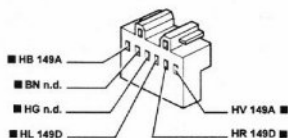
- |  |  |
|--|--|
| 3 Front left earth                                 | 110 Switch unit  |
| 5 Front left brake pad wear sensor                 | 116 Clock  |
| 11 Low brake fluid level sensor                    | 122 Earth on body shell, driver's side                                     |
| 13 Battery   | 134 Dashboard cable/rear cable connection                                  |
| 15 Earth on bodywork                               | 141 Ignition and fuel injection control unit                               |
| 57 Oil pressure sender unit                        | 143 Dashboard cable/right door cable connection                            |
| 58 Engine oil temperature sender unit              | 146 Seat belt unfastened warning light switch                              |
| 59 Low oil pressure warning light switch           | 147 Handbrake on warning light switch                                      |
| 61 Engine coolant temperature sender unit          | 149 Front cable/fuel injection cable connection                            |
| 62 Pulse generator for speedometer signal          | 151 Front cable/dashboard cable connection                                 |
| 81 Front right brake pad wear sensor               | 160 Right door locking motor and door open indicator                       |
| 91 Left door locking motor and door open indicator | 165 Dashboard cable/left door cable connection                             |
| 96 Fuse and relay unit                             | 168 Rear earth, driver's side  |
| E13 Side lights relay                              | 177 Fuel gauge sender unit   |
| 99 Instrument panel                                | 286 Catalytic converter temperature control EC (only for specific markets) |
| 104 Stalk unit                                     | 290 Power fuse box   |
| 105 Ignition switch                                | 293 Two-diode container  |

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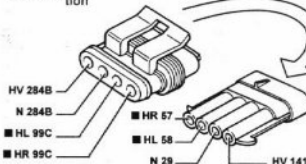
### 134A Dashboard cable/rear cable connection



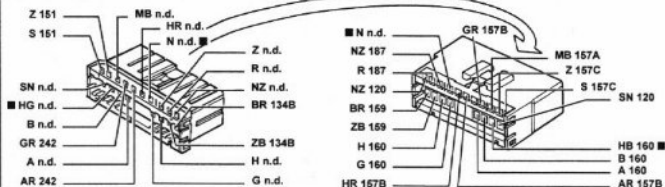
### 99C Instrument panel



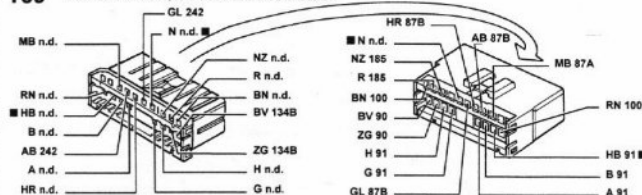
### 149D Front cable/fuel injection cable connection



### 143 Dashboard cable/right door cable



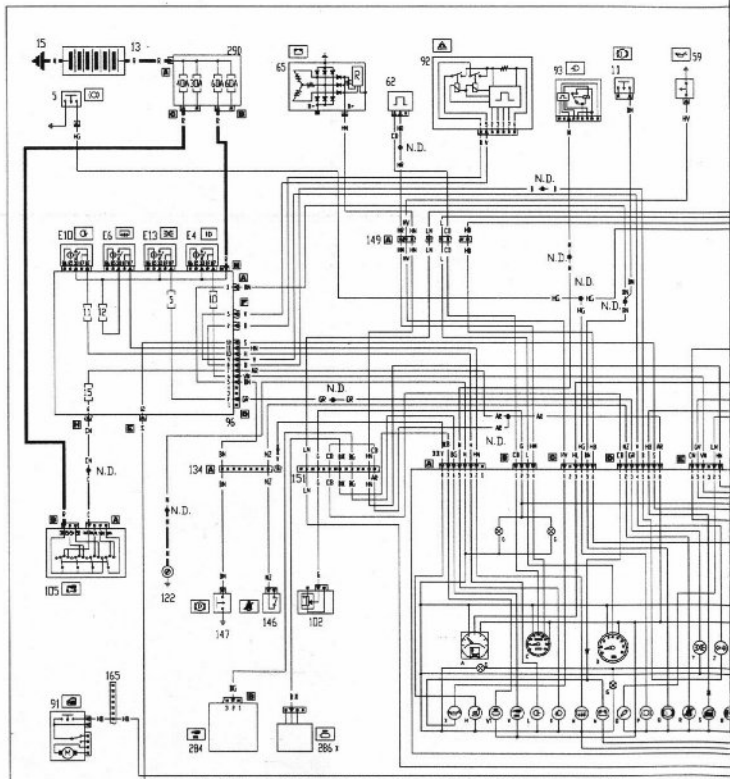
### 165 Dashboard cable/left door cable connection



■ The cables involved in the wiring diagram are marked with a square  
\* Wiring for heated seats

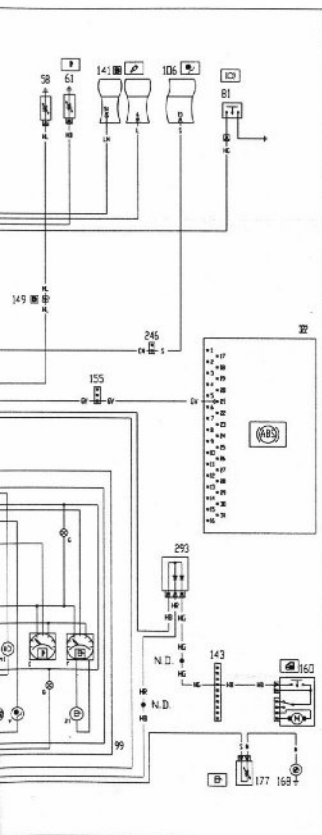
P3N640L02

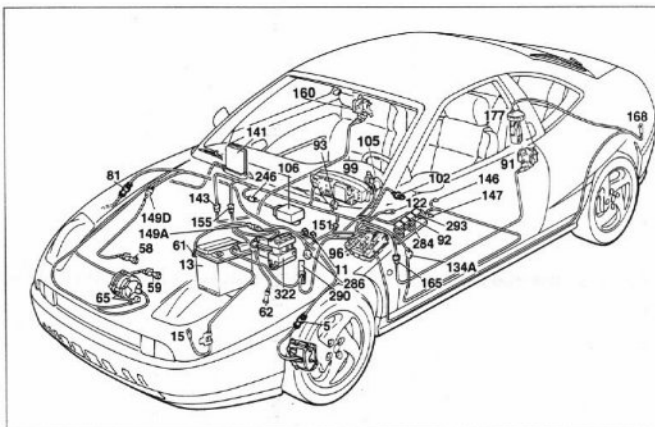
Instrument panel connection



- \* Only for specific markets
- \*\* Wiring for heated seats







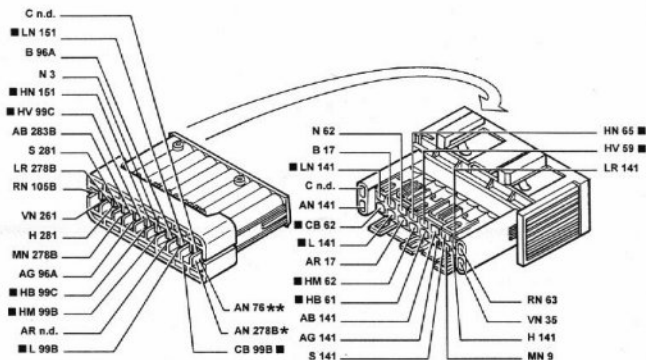
## Instrument panel connection

P3N570L02

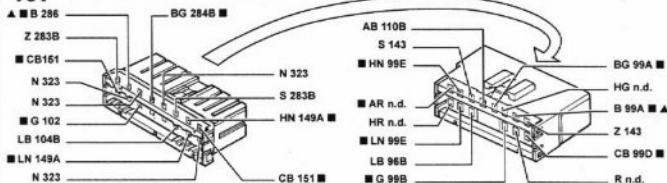
### Key to components

- |   |   |
|---|---|
| 5 Front left brake pad wear sensor                        | 122 Earth on body shell, driver's side                  |
| 11 Low brake fluid level sensor                           | 134 Dashboard cable/rear cable connection               |
| 13 Battery  | 141 Electronic ignition and fuel injection control unit |
| 15 Earth on bodywork                                      | 143 Dashboard cable/right door cable connection         |
| 58 Engine oil temperature sender unit                     | 146 Seat belt unfastened warning light switch           |
| 59 Low oil pressure warning light switch                  | 147 Handbrake on warning light switch                   |
| 61 Engine coolant temperature sender unit                 | 149 Front cable/fuel injection cable connection         |
| 62 Pulse generator for speedometer signal                 | 151 Front cable/dashboard cable connection              |
| 65 Alternator   | 155 ABS cable/dashboard cable connection                |
| 81 Front right brake pad wear sensor                      | 160 Right door locking motor and door open indicator    |
| 91 Left door locking motor and door open indicator        | 165 Dashboard cable/left door cable connection          |
| 92 Hazard warning lights timer                            | 168 Rear earth, driver's side                           |
| 93 Front/rear fog lamps electronic control unit           | 177 Fuel gauge sender unit                              |
| 96 Fuse and relay unit                                    | 246 Connection between dashboard cables/ABS BAG         |
| E6 Heated rear window relay                               | 284 Fiat CODE electronic control unit                   |
| E4 Dipped beam relay                                      | 286 Catalytic converter temperature control unit        |
| E10 Rear fog lamp relay                                   | 290 Power fuse box                                      |
| E13 Side lights relay                                     | 293 Two-diode container                                 |
| 99 Instrument panel                                       | 322 A.B.S. electronic control unit                      |
| 102 Rheostat for adjusting symbol illumination brightness |   |
| 105 Ignition switch                                       |   |
| 106 AIR BAG electronic control unit                       |   |

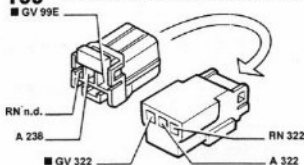
#### 149A Front cable/fuel injection cable connection



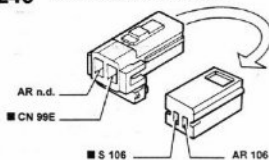
#### 151 Front cable/dashboard cable connection



#### 155 A.B.S. cable/dashboard cable connection



#### 246 AIR BAG cables connection



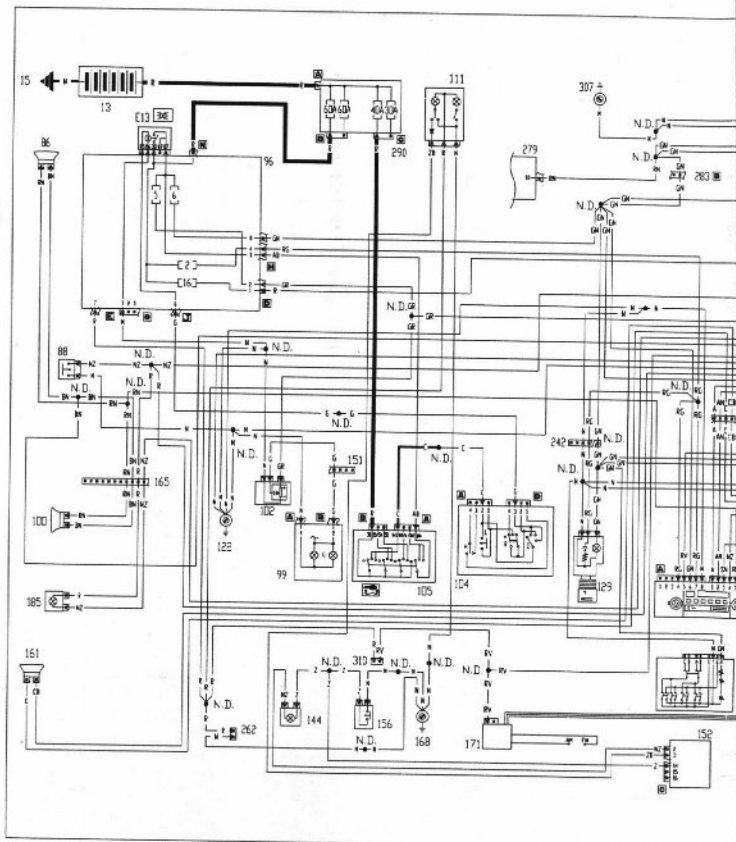
■ The cables involved in the wiring diagram are marked with a square

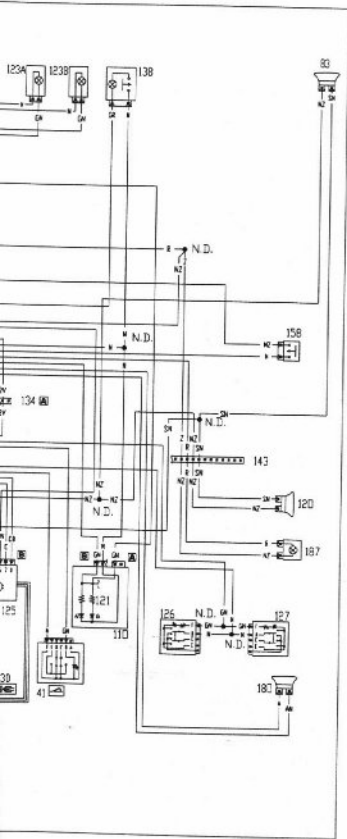
▲ Only for specific markets

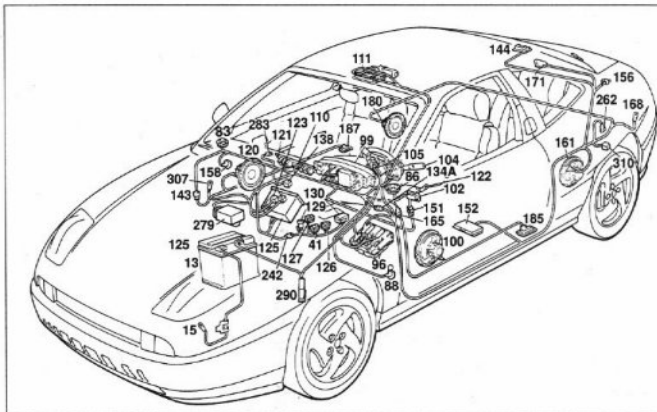
\* For versions with air conditioner \*\* For versions with heating

P3M801.02

Courtesy light - Symbol illumination - Glove compartment light - Luggage compartment light - Wiring for car radio with amplified aerial - Puddle light - Cigarette lighter







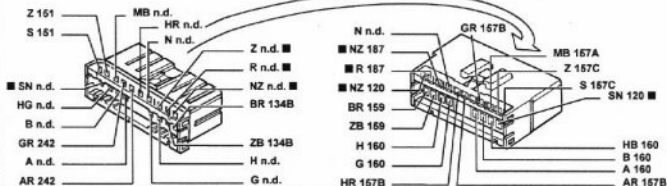
P2N71G1P1

**Courtesy light - Symbol illumination - Glove compartment light - Luggage compartment light  
Wiring for car radio with amplified aerial - Puddle light - Cigarette lighter**

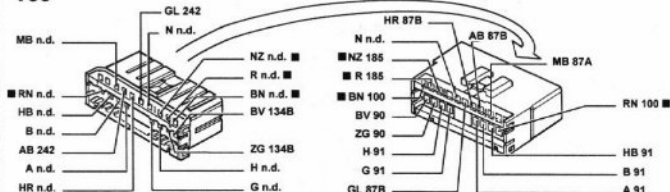
### Key to components

- |  |   |
|--|---|
| 13 Battery   | 130 Pushbutton unit for electrically-adjustable external rearview mirrors     |
| 15 Earth on bodywork   | 134 Dashboard cable/rear cable connection                                     |
| 41 Electric sunroof button                                       | 138 Glove compartment light bulb  |
| 83 Front right speaker   | 143 Dashboard cable/right door cable connection                               |
| 86 Front left loudspeaker  | 144 Boot light  |
| 88 Front left courtesy light button                              | 151 Front cable/dashboard cable connection                                    |
| 96 Fuse and relay unit   | 152 Multifunctions electronic control unit                                    |
| E13 Side lights relay  | 156 Boot light button   |
| 99 Instrument panel  | 158 Front right courtesy light button   |
| 100 Loudspeaker on left door                                     | 161 Rear left loudspeaker   |
| 102 Rheostat for adjusting symbol illumination brightness        | 165 Dashboard cable/left door cable connection                                |
| 104 Stalk unit   | 168 Rear earth, driver's side   |
| 105 Ignition switch  | 171 Wiring connection for aerial with amplifier                               |
| 110 Switch unit  | 180 Rear right loudspeaker  |
| 111 Courtesy light with remote control receiver and spot light   | 185 Left door puddle light bulb   |
| 120 Loudspeaker on front door                                    | 187 Right door puddle light bulb  |
| 121 Switch unit symbol illumination                              | 242 Dashboard cable/central console connection                                |
| 122 Earth on body shell, driver's side                           | 262 Wiring for compact disc   |
| 123 Air conditioning/heating controls illumination               | 279 Car interior temperature sensor and recirculation/air conditioner buttons |
| 125 Car radio  | 283 Connection between engine bay cable and heater/air conditioner cables     |
| 126 Pushbutton unit on central console for left electric window  | 290 Power fuse box  |
| 127 Pushbutton unit on central console for right electric window | 307 Earth for car interior fan  |
| 129 Cigarette lighter  | 310 Electric aerial wiring connection   |

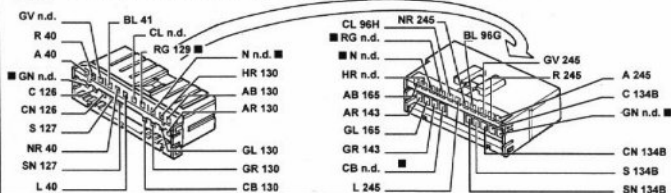
#### 143 Dashboard cable/right door cable connection



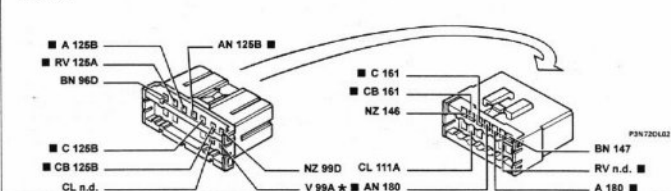
#### 165 Dashboard cable/left door cable connection



#### 242 Dashboard cable/central console connection



#### 134A Dashboard cable/rear cable connection

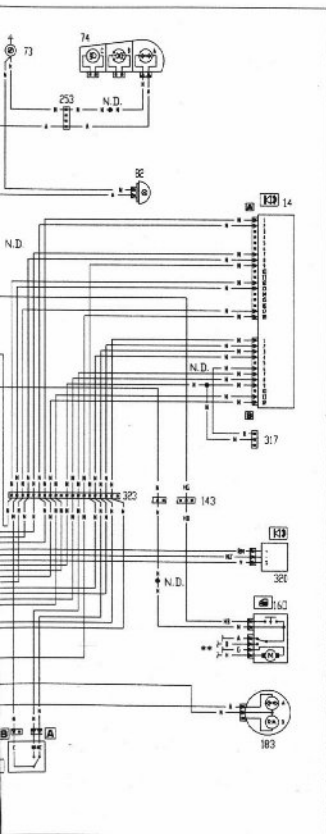


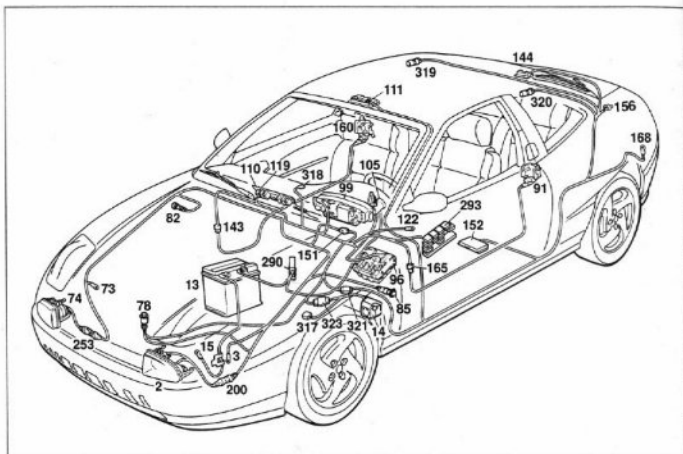
■ The cables involved in the wiring diagram are marked with a square

\* For versions with air conditioning









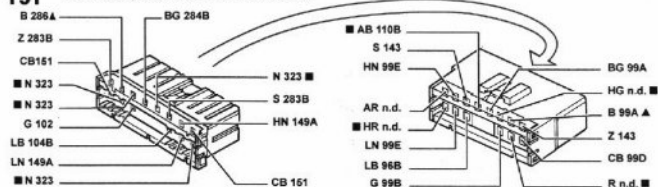
P2M740/G2

## Alarm system

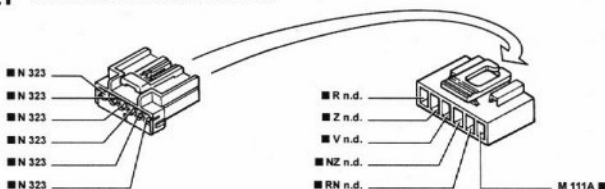
### Key to components

- |     |  |     |   |
|-----|--|-----|---|
| 2   | Front left lights cluster                                  | 122 | Earth on body shell, driver's side                            |
| A   | Direction indicator  | 143 | Connection between dashboard cable/front door cable           |
| B   | Side light   | 144 | Boot light  |
| C   | Front fog lamp   | 151 | Front cable/dashboard cable connection                        |
| 3   | Front left earth   | 152 | Electric windows/central door locking electronic control unit |
| 13  | Battery  | 156 | Boot light button   |
| 14  | Anti-theft device electronic control unit                  | 160 | Right door locking motor and door open indicator              |
| 15  | Earth on bodywork  | 165 | Dashboard cable/left door cable connection                    |
| 73  | Front right earth  | 168 | Rear earth, driver's side                                     |
| 74  | Front right lights cluster                                 | 200 | Front cable/front left lights cluster connection              |
| A   | Direction indicator  | 253 | Front cable/front right lights cluster connection             |
| B   | Side light   | 290 | Power fuse box  |
| C   | Headlamp adjustment motor                                  | 293 | Two-diode container   |
| 78  | Bonnet button for switching on anti-theft device           | 317 | Diagnostic socket for anti-theft device                       |
| 82  | Front right side repeater                                  | 318 | Switch for switching off anti-theft device                    |
| 85  | Front left side repeater                                   | 319 | Left volumetric sensor for anti-theft device                  |
| 91  | Left door locking motor and door open indicator            | 320 | Right volumetric sensor for anti-theft device                 |
| 96  | Fuse and relay unit  | 321 | Front cable/rear cable connection for anti-theft device       |
| 99  | Instrument panel   | 323 | Front cable/anti-theft device cable connection                |
| 105 | Ignition switch  |     |   |
| 110 | Switch unit  |     |   |
| 111 | Courtesy light with remote control receiver and spot light |     |   |
| 119 | Anti-theft "on" warning light                              |     |   |

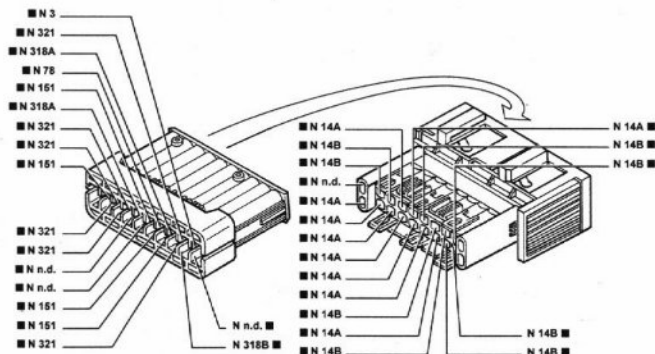
#### 151 Front cable/dashboard cable connection



#### 321 Front cable/anti-theft cable connection



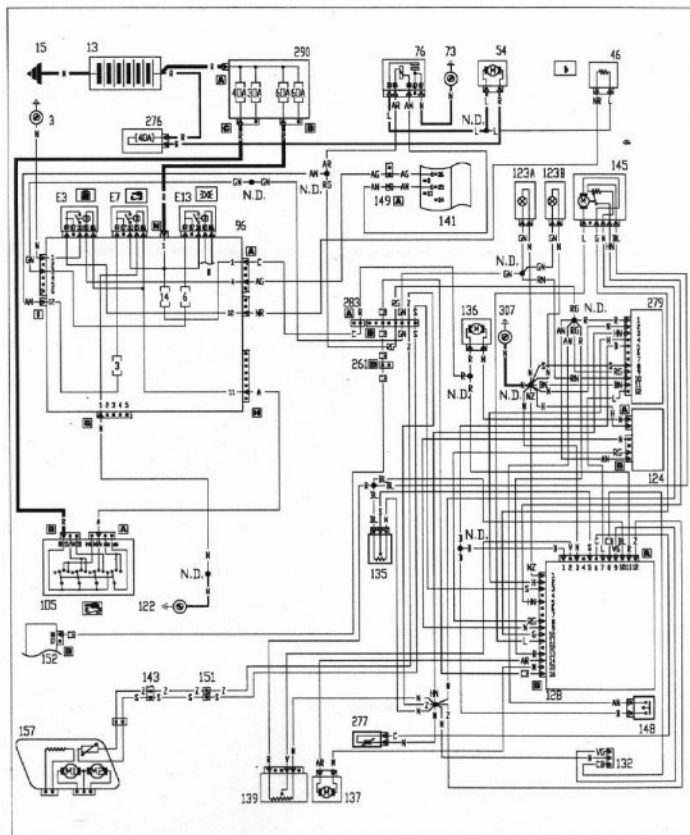
#### 323 Front cable/anti-theft cable connection



■ The cables involved in the wiring diagram are marked with a square

P3N780L01

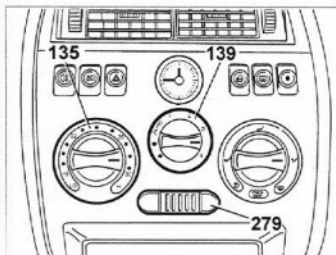
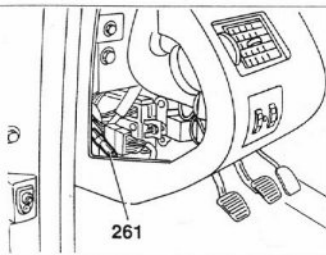
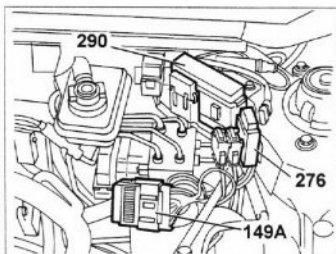
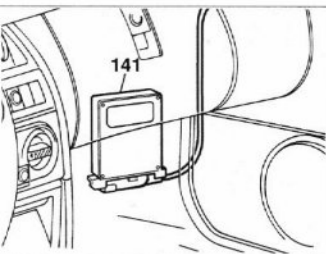
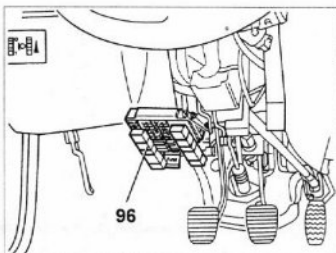
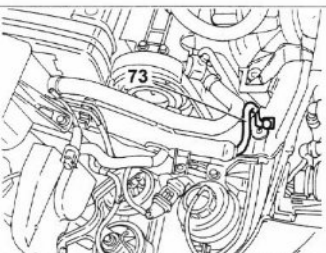
Heater

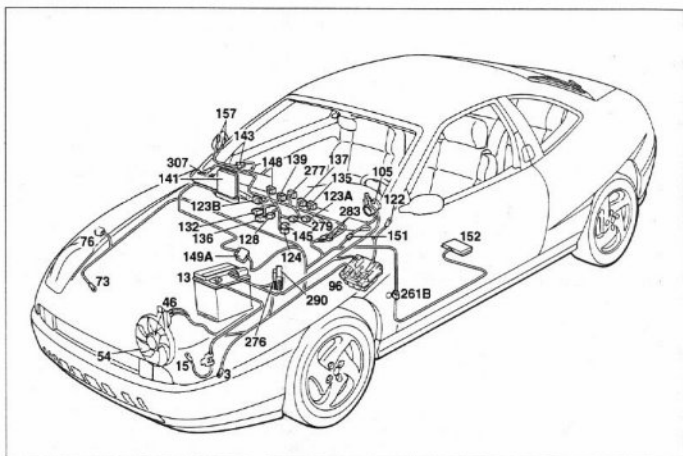


(\*) See "Side lights" diagram

F3N770L02

# Location of components





P3N790101

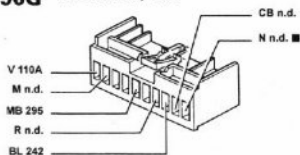
## Heater

### Key to components

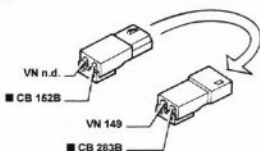
- |      |  |      |   |
|------|--|------|---|
| 3    | Front left earth                                       | 136  | Car interior climate control fan                                  |
| 13   | Battery  | 137  | Car interior recirculation actuator                               |
| 15   | Earth on bodywork                                      | 139  | Car interior ventilation potentiometer                            |
| 46   | Resistor for switching on engine cooling fan low speed | 141  | Electronic ignition and fuel injection control unit               |
| 54   | Engine cooling fan                                     | 143  | Dashboard cable/right door cable connection                       |
| 73   | Front right earth                                      | 145  | Car interior air mixing control actuator                          |
| 76   | Relay for switching on engine cooling fan high speed   | 148  | MAX/DEF selection microswitch                                     |
| 96   | Fuse and relay unit                                    | 149A | Front cable/fuel injection cable connection                       |
|      | E3 Engine cooling fans relay                           | 151  | Front cable/dashboard cable connection                            |
|      | E7 Ignition switch discharge relay                     | 152  | Electric windows/central door locking electronic control unit     |
|      | E13 Side lights relay                                  | 157  | Right electrically-adjustable and heated external rearview mirror |
| 105  | Ignition switch  | 261  | Front cable/rear cable connection                                 |
| 122  | Earth on body shell, driver's side                     | 276  | 40 A fuse protecting engine cooling fan                           |
| 123A | Air conditioner/heater controls illumination           | 277  | Temperature sensor for mixed air at the vents                     |
| 123B | Air conditioner/heater controls illumination           | 279  | Recirculation and car interior air temperature sensor control     |
| 124  | Car interior ventilation electronic variator           | 283  | Connection between engine bay and heater/air conditioner cables   |
| 128  | Heater/air conditioner control unit                    | 290  | Power fuse box  |
| 132  | Diagnostic socket for heater/air conditioner unit      | 307  | Earth for car interior fan  |
| 135  | Air temperature adjustment potentiometer               |      |   |

### 55.

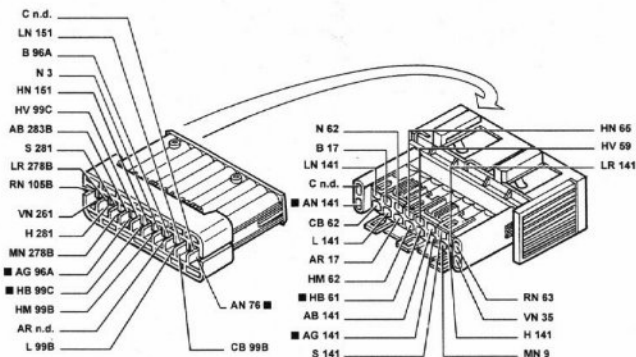
#### 96G Fuse and relay unit



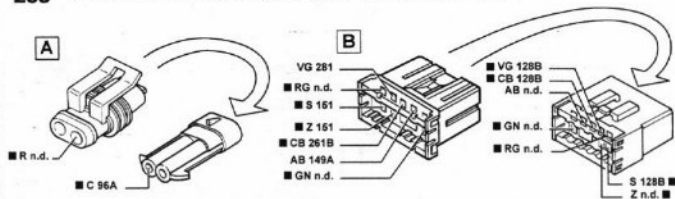
#### 261 Front cable/rear cable connection



#### 149A Front cable/fuel injection cable connection



#### 283 Connection between engine bay cable and heater/air conditioner cable



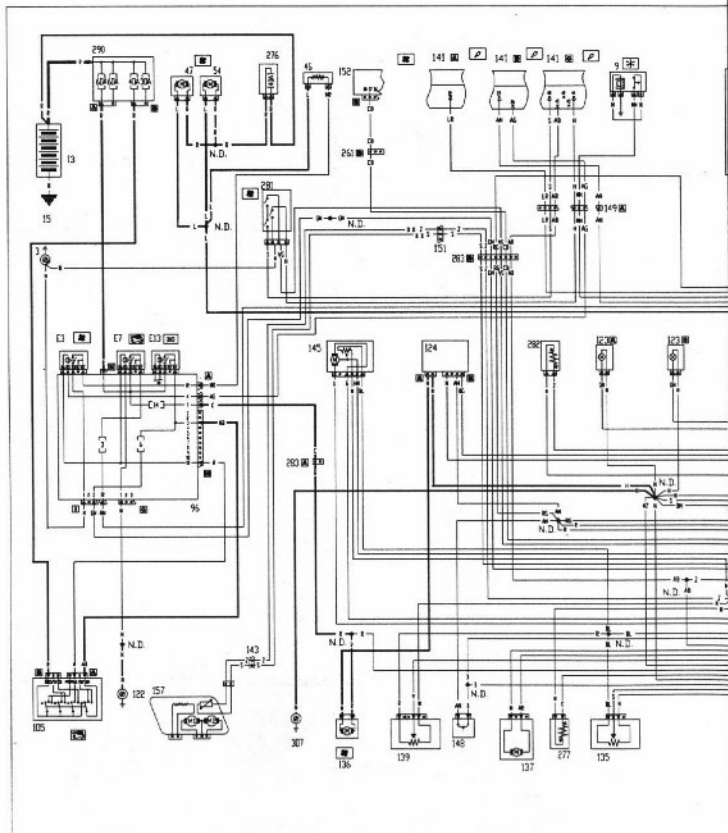
■ The cables involved in the wiring diagram are marked with a square

\* For versions with heating

\*\* For versions with air conditioning

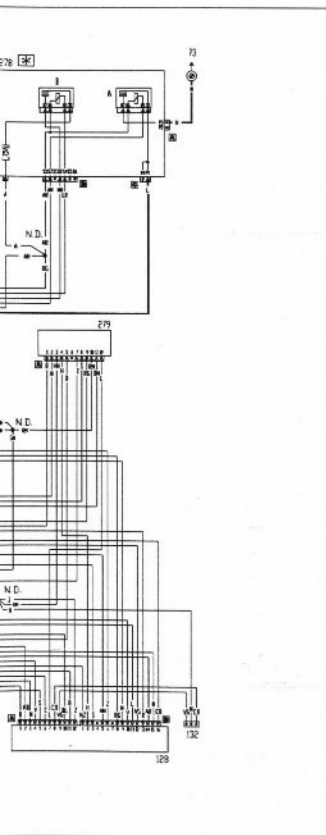
P3N900102

Air conditioner

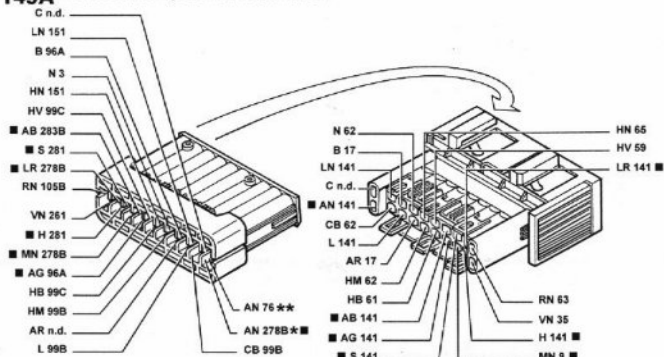


(\*) See side lights diagram

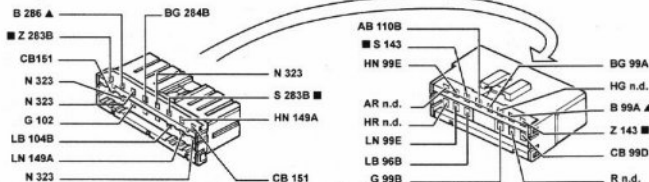




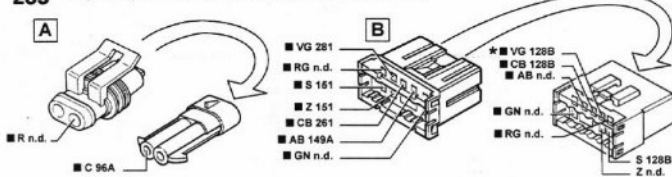
## 149A Front cable/fuel injection cable connection



## 151 Front cable/dashboard cable connection



## 283 Engine bay connection with heater/air conditioner cables

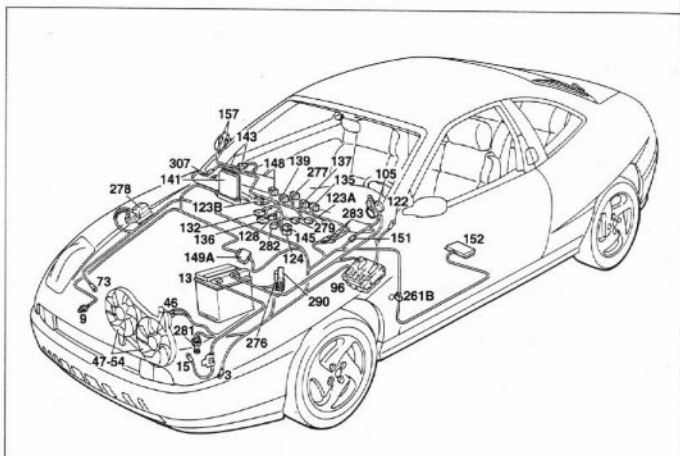


■ The cables involved in the wiring diagram are marked with a square

\* For versions with air conditioning \*\* For versions with heating

▲ Only for specific markets

P3N6401.02



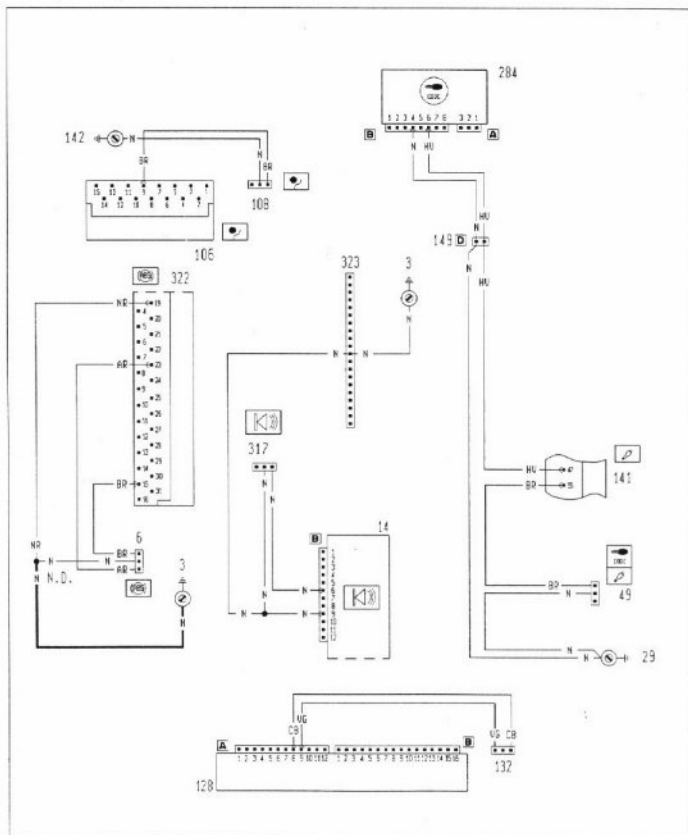
## Air conditioner

P21803/01

### Key to components

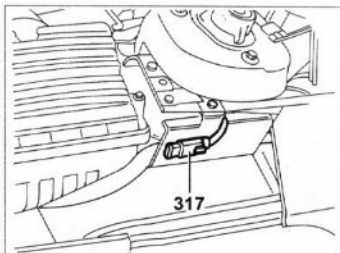
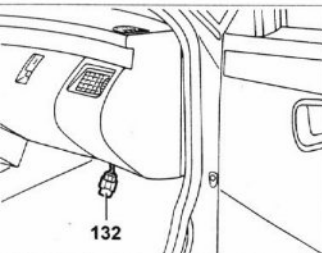
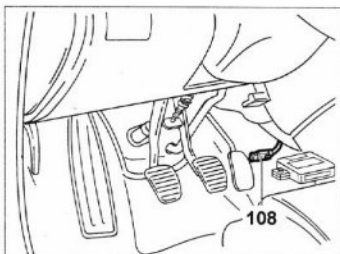
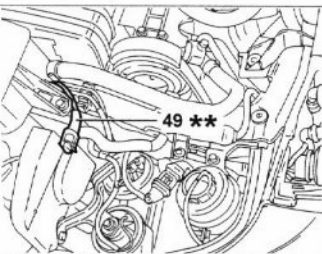
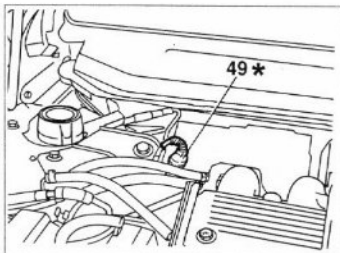
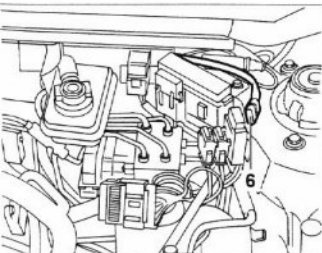
- |      |  |      |  |
|------|--|------|--|
| 3    | Front left earth                                       | 137  | Car interior air recirculation actuator  |
| 9    | Compressor for air conditioner                         | 139  | Car interior ventilation potentiometer   |
| 13   | Battery  | 141  | Electronic ignition and fuel injection control unit                            |
| 15   | Earth on bodywork                                      | 143  | Dashboard cable/right door cable connection                                    |
| 46   | Resistor for switching on engine cooling fan low speed | 145  | Car interior air mixing control actuator                                       |
| 47   | Engine cooling fan                                     | 148  | MAX/DEF selection microswitch  |
| 54   | Engine cooling fan                                     | 149A | Front cable/fuel injection cable connection                                    |
| 73   | Front right earth                                      | 151  | Front cable/dashboard cable connection   |
| 96   | Fuse and relay unit                                    | 152  | Electric windows/central door locking electronic control unit                  |
| E3   | Relay controlling engine cooling fans                  | 157  | Right electrically-adjustable and heated external rearview mirror              |
| E7   | Ignition switch discharge relay                        | 261  | Front cable/rear cable connection  |
| E13  | Side lights relay                                      | 276  | 40 A fuse protecting engine cooling fan  |
| 99   | Instrument panel                                       | 277  | Temperature sensor for mixed air at the vents                                  |
| 105  | Ignition switch  | 278  | Relay and fuse box for air conditioner   |
| 122  | Earth on body shell, driver's side                     | 279  | Recirculation/air conditioner controls and car interior air temperature sensor |
| 123A | Air conditioner/heater controls illumination           | 281  | Three-stage pressure-switch for air conditioner                                |
| 123B | Air conditioner/heater controls illumination           | 282  | NTC anti-frost sensor  |
| 124  | Car interior ventilation electronic variator           | 283  | Engine bay connection with heater/air conditioner cables                       |
| 128  | Heater/air conditioner control unit                    | 290  | Power fuse box   |
| 132  | Diagnostic socket for heater/air conditioner           | 307  | Earth for car interior fan   |
| 135  | Potentiometer for adjusting air temperature            |      |  |
| 136  | Car interior heater fan                                |      |  |

Diagnostic socket connections



P3N850 L01

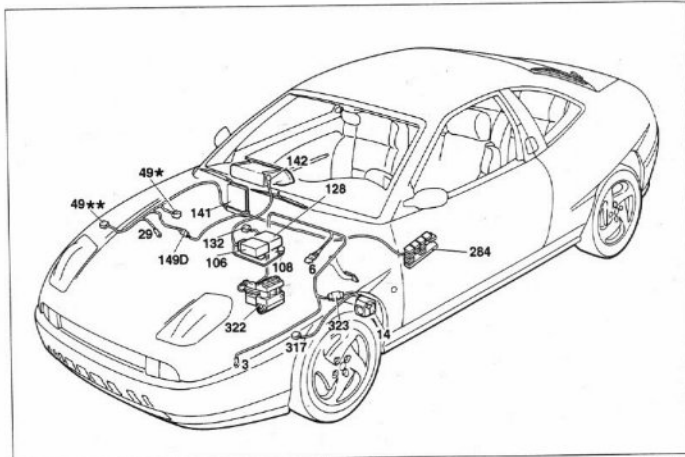
# Location of components



For naturally-aspirated version

\*\* For turbo version

P3N860L31



\* For naturally-aspirated version    \*\* For turbo version

PUN870422

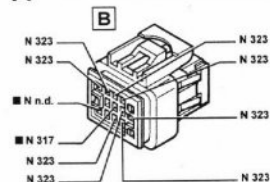
## Diagnostic socket connections

### Key to components

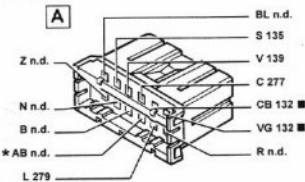
- 3 Front left earth
- 6 Diagnostic socket for anti-lock braking system (A.B.S.)
- 14 Anti-theft device electronic control unit
- 29 Earth on engine
- 49 Diagnostic socket for injection
- 106 Air Bag electronic control unit
- 108 Diagnostic socket for Air Bag
- 128 Heater/air conditioner control unit
- 132 Diagnostic socket for heater/air conditioner unit

- 141 Electronic ignition and fuel injection control unit
- 142 Earth for Air Bag
- 149D Front cable/fuel injection cable connection
- 284 Fiat CODE electronic control unit
- 317 Diagnostic socket for anti-theft device
- 322 Electronic control unit for anti-lock braking system
- 323 Connection between front cable/anti-theft device cable

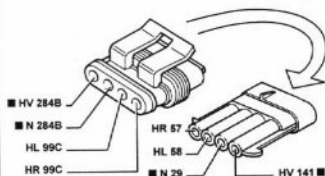
## 14 Anti-theft electronic control unit



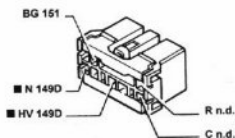
**128A** Heater/air conditioner control unit



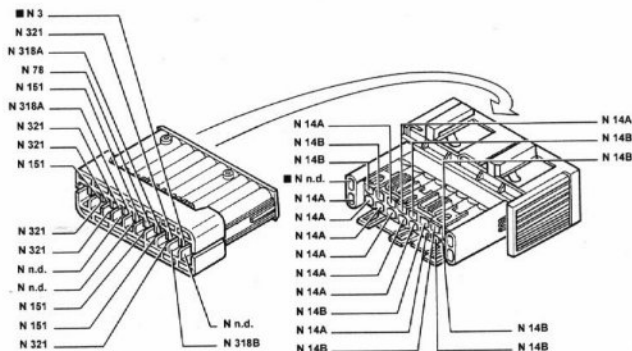
**149D** Front cable/fuel injection cable connection



## 284 Fiat CODE electronic control unit



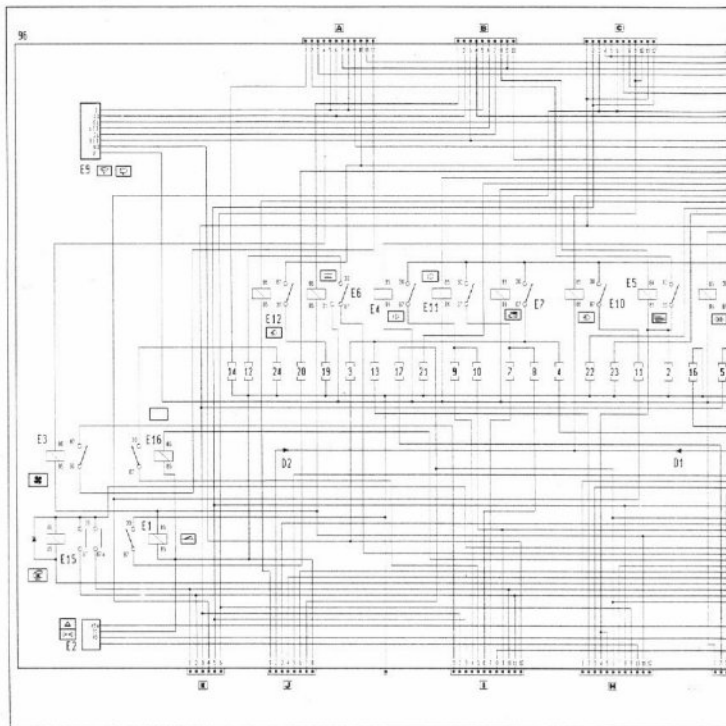
### 323 Front cable/anti-theft cable connection



■ The cables involved in the wiring diagram are marked with a square  
\* For versions with air conditioner

P34980102

Fuse and relay unit



**E1** Sunroof relay (wiring)

**E2** Spare, not used

**E3** Relay for engine cooling fan

**E4** Relay for main beam headlamps

**E5** Horn relay

**E6** Heated rear window relay

**E7** Ignition switch discharge relay

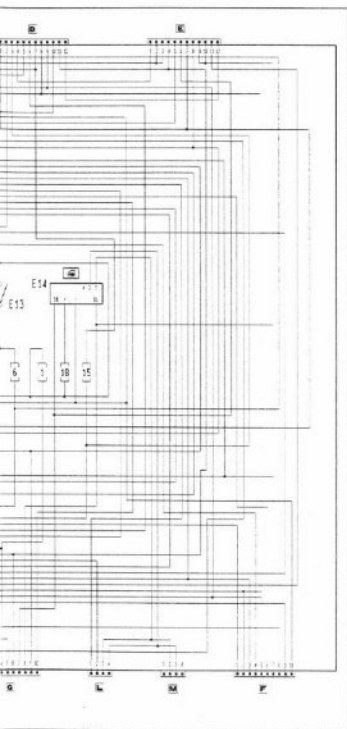
**E8** Spare, not used

**E9** Windscreen/rear window wiper intermittent switch

**E10** Rear fog lamps relay

**E11** Dipped beam relay

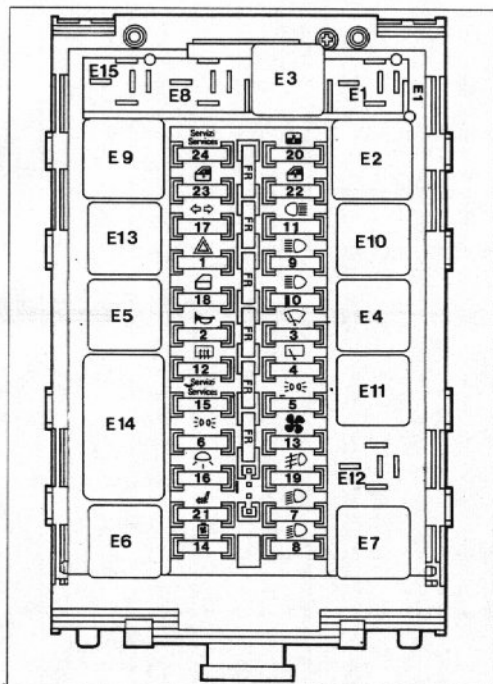




P0206PL01

- E12** Front fog lamps relay
- E13** Side lights relay
- E14** Spare, not used
- E15** Spare, not used

**LOCATION OF FUSES AND RELAYS IN THE FUSE AND RELAY UNIT**




















P3N01M/L01

**Relays**








- |   |  |
|---|--|
| <b>E1</b> Relay for sunroof (wiring)        | <b>E9</b> Windscreen and rear window wiper intermittent switch |
| <b>E2</b> Indicators/hazard lights flasher  | <b>E10</b> Rear fog lamp relay                                 |
| <b>E3</b> Relay for engine cooling fan      | <b>E11</b> Relay for excluding end-of-starting loads           |
| <b>E4</b> Relay for main beam headlamps     | <b>E12</b> Relay for front fog lamps (wiring)                  |
| <b>E5</b> Horn relay                        | <b>E13</b> Side lights relay                                   |
| <b>E6</b> Heated rear window relay          | <b>E14</b> Central door locking control unit                   |
| <b>E7</b> Relay for dipped beam headlamps   | <b>E15</b> Relay for door locking remote control (wiring)      |
| <b>E8</b> Relay for dim-dip lights (wiring) |  |

55.

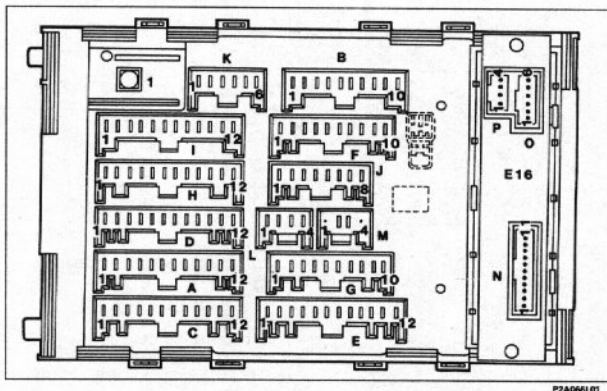
List of fuses and main protected circuits

Fuse no.	Amp.	Symbol	Colour	Protected circuit
1	10		Red	Hazard warning lights - Car radio - Glovebox light - Boot light
2	25		White	Horns - Cigarette lighter - Stop lights
3	20		Yellow	Windscreen wiper
4	25		White	Rear window wiper - Headlamp washer - Headlamp adjuster
5	10		Red	Instrument panel lighting - Rear left side light - Front right side light - Right number plate light - Rear left side light - Control lighting
6	10		Red	Control lighting - Rear right side light - Front left side light - Right trailer side light
7	10		Red	Right dipped beam
8	10		Red	Left dipped beam
9	15		Blue	Right main beam
10	15		Blue	Left main beam - Main beam lamps warning light
11	7.5		Brown	Left and right rear fog lamp - Trailer rear fog lamp - Rear fog lamp warning light
12	25		White	Heated rear window - Heated rear window warning light - Left and right external rearview mirror defroster
13	20		Yellow	Electric heater
14	30		Green	Radiator fan
15	15		Blue	Fuel gauge supply - Stalk unit lighting - Reversing lights
16	10		Red	Clock - Courtesy light - A.C.S. memory
17	7.5		Brown	Direction indicators

**List of fuses and main protected circuits**

Fuse no.	Amp.	Symbol	Colour	Protected circuit
18	20		Yellow	Door locking
19	20		Yellow	Front fog lamps - Front fog lamps warning light
20	30		Green	Electric sunroof (wiring)
21	30		Green	Electric and/or heated seats
22	25		White	Electric front windows
23	25		White	Electric rear windows
24	7.5	 SERVIZI SERVICES	Brown	Dimmed dipped beam headlamps (Dim-dip)

**Rear view of the fuse and relay unit**



The connectors cannot be connected incorrectly, because each has a particular shape. The letters for identifying the connectors are the same as those used on the wiring diagrams.

**E16** The check panel control unit is available on request.

55.

### CONNECTOR A

1. -
2. Horns
3. Instrument panel
4. Fuel injection/ignition electronic control unit
5. Stalk unit
6. Electric windscreen washer pump
7. Reversing light control
8. Switch for headlamp washer
9. -
10. Front left lights cluster
11. Reversing light switch
12. Engine cooling fan

### CONNECTOR D

1. Digital clock
2. Instrument panel
3. -
4. -
5. Handbrake on warning light, warning light switch
6. Instrument panel
7. Instrument panel
8. Instrument panel
9. Instrument panel
10. Instrument panel
11. Instrument panel
12. Instrument panel

### CONNECTOR B

1. Switch unit
2. -
3. -
4. -
5. -
6. Stalk unit
7. -
8. Stalk unit
9. -
10. -

### CONNECTOR E

1. -
2. -
3. Rear right lights cluster
4. Electric aerial preamplifier
5. -
6. -
7. Door lock remote control receiver
8. -
9. -
10. -
11. -
12. Fuel gauge sender unit

### CONNECTOR C

1. Rear left lights cluster
2. Rear right lights cluster
3. Rear left lights cluster
4. -
5. -
6. -
7. Rear left lights cluster
8. Rear right lights cluster
9. Rear left lights cluster
10. Rear right lights cluster
11. Right number plate light
12. Left number plate light

### CONNECTOR F

1. -
2. Hazard warning lights timer
3. Stalk unit
4. Stalk unit
5. Hazard warning lights timer
6. Rear fog lamps control unit
7. -
8. -
9. -
10. -

**CONNECTOR J**

1. Stalk unit
2. -
3. -
4. -
5. -
6. Stalk unit
7. -
8. -

**CONNECTOR G**

1. Main earth
2. Door lock remote control receiver
3. Electric sunroof control button
4. Hazard warning lights timer
5. -
6. Electric heated external rearview mirrors
7. Right door locking motor
8. right door locking motor
9. Rear fog lamps control unit
10. Switches unit

**CONNECTOR H**

1. Electric windows electronic control unit
2. Electric heater
3. Ignition switch
4. Cigarette light and car radio positive
5. Stop lights switch
6. Ignition switch
7. -
8. Controls lighting on central console
9. Stop lights switch
10. -
11. -
12. -

**CONNECTOR I**

1. Front left earth
2. Front right lights cluster
3. Front left lights cluster
4. Front right headlamp
5. -
6. Front left headlamp
7. Front right headlamp
8. Windscreen wiper motor
9. Front left headlamp
10. Front left side repeater
11. Front right side repeater
12. Stalk unit

**CONNECTOR L**

1. -
2. -
3. Door locking control on left door
4. Door locking control on left door

**CONNECTOR M:** 4 pins, not used

**CONNECTOR N:** 11 pins, not used

**CONNECTOR O:** 6 pins, not used

**CONNECTOR P:** 4 pins, not used

**CONNECTOR K:** 6 pins, not used



# Electrical system

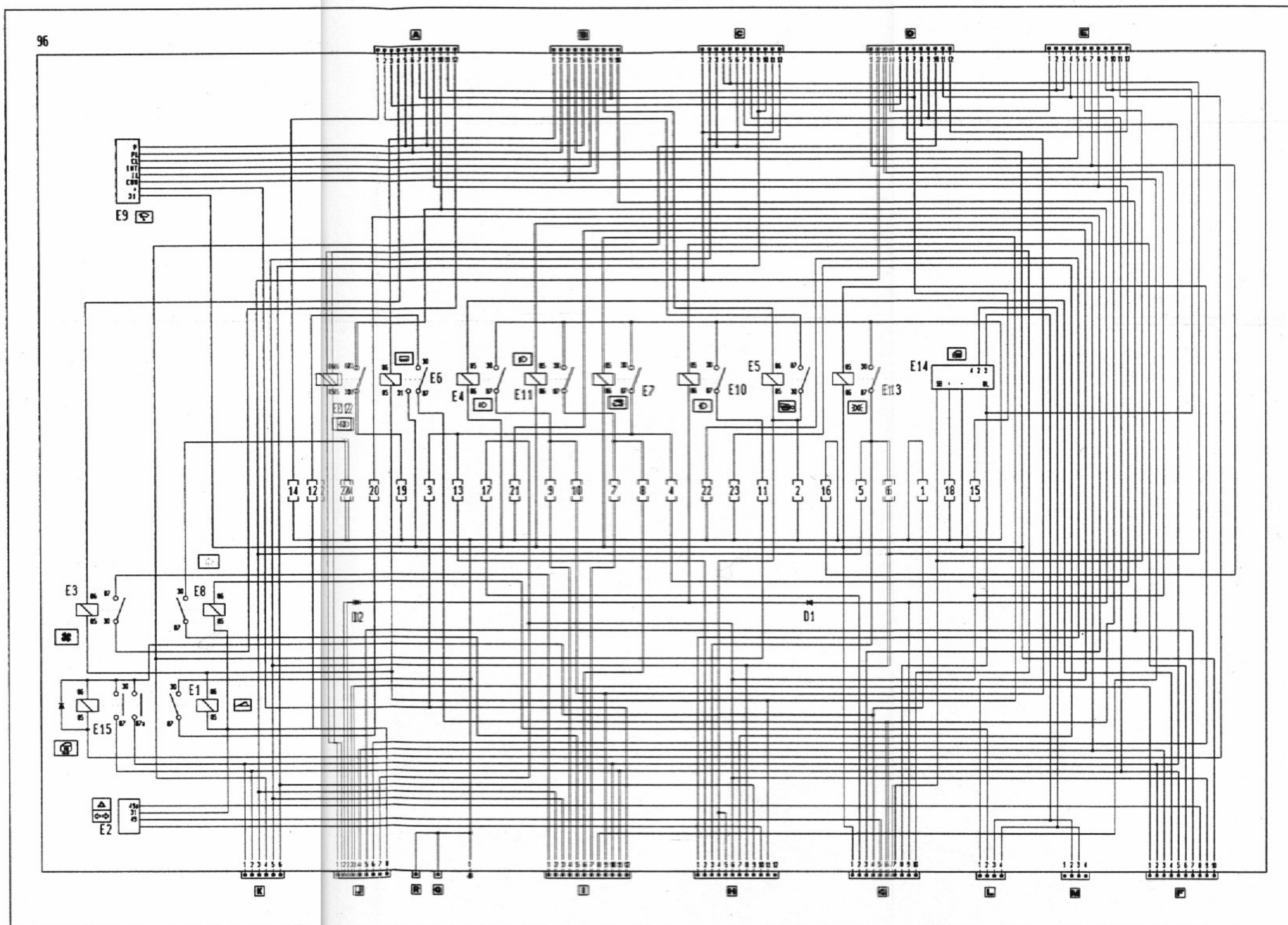
## Fuse and relay unit

55.

### Wiring diagram





































Coupé Fiat 1747 16v

'96 range



P3N06MLD1

**Electrical symbols**





































	Positions		Cold starting (choke)		Switch discharge
	Main beam headlamps		Water in the fuel filter		Dipped headlamps
	Heated seat		Heater plugs		Direction indicators signal for central locking
	Seat belts		Turbocharging pressure		Electric horns
	Heated rear windscreen		Rear fog lamp		Left direction indicator
	Handbrake applied and insufficient brake fluid level		Fog light		Right direction indicator
	A.B.S.		Brake pad wear		Engine cooling
	Hazard w/lights		Turbocharging pressure		Windscreen wiper
	Direction indicators		Automatic gearbox oil temperature		Electrically operated sun roof
	Handbrake applied and insufficient brake fluid level		Speed limit		Catalytic silencer temperature
	Recharging		Fuel level		Resistance
	Engine oil pressure		Engine coolant temperature		Diode

P3N010L01




### 55.

#### Electrical symbols


	Warning light		Trip computer		Differential lock
	Bulb		Electronic injection		Automatic gearbox oil temperature
	Fuse		Engine oil level		Temperature
	Switch open		Brake fluid level (Japanese version)		Anti-theft device
	Selector switch		Doors open		Electric windows
	Button open		Central locking		Earth
	Switch controlled by coil (Relay)		Sport Function - controlled damping suspension		Number plate lights
	Motor		Transistor		Impulse generator (Timer)
	Rearscreen wiper		Air-Bag		Analogue clock
	Headlamp washer		A.B.S. (Japanese Version)		Digital clock
	Windscreen wash/wipe		Brake lights failure		Speedometer
	Rearscreen wash/wipe		Windscreen wiper		Rev counter


P3N020101


**Electrical symbols**

 Digital speedometer


 Digital rev counter


 Digital fuel level gauge


 Analogue fuel level gauge

 Analogue engine temperature gauge

 Econometer

 Digital engine temperature gauge

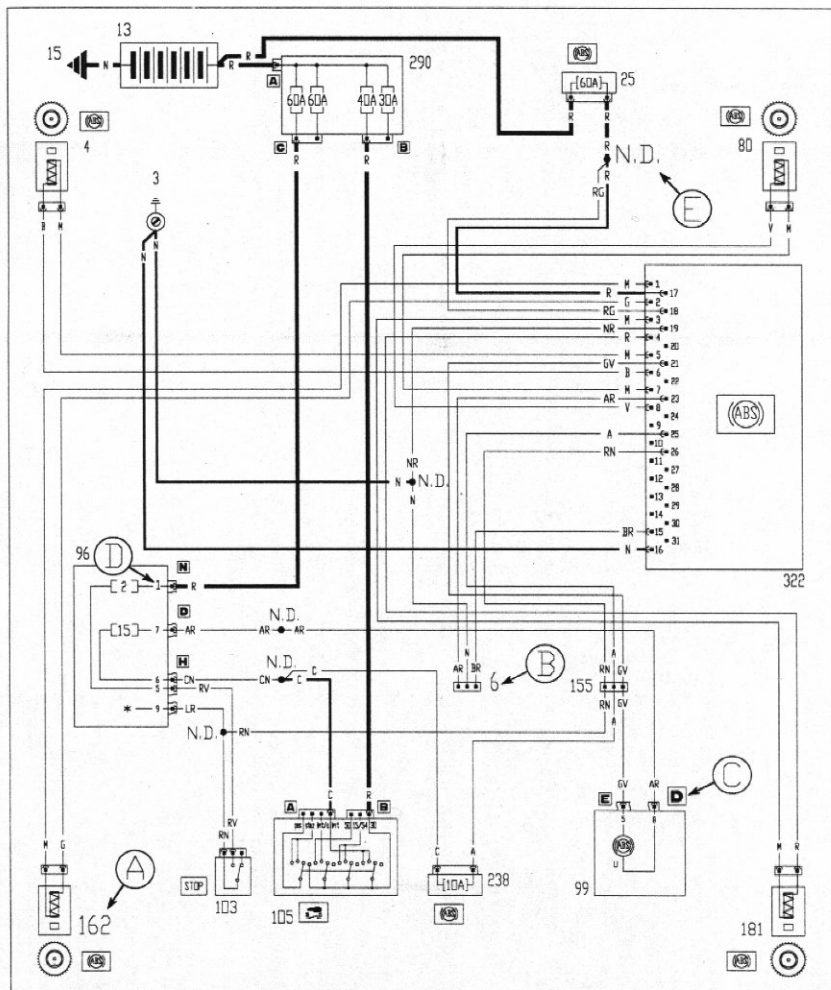
 Engine oil temperature

 Engine oil pressure gauge

 Voltmeter

P3M030L01

### 55. Explanation of how to interpret the wiring diagrams

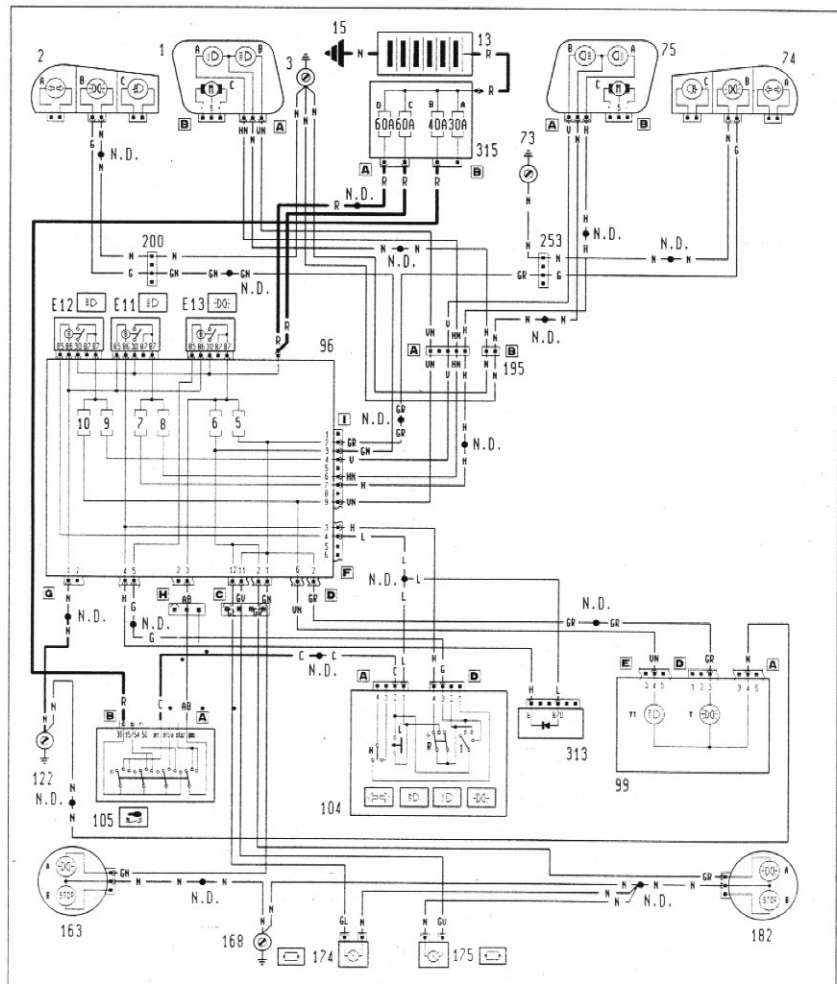


#### Reference key

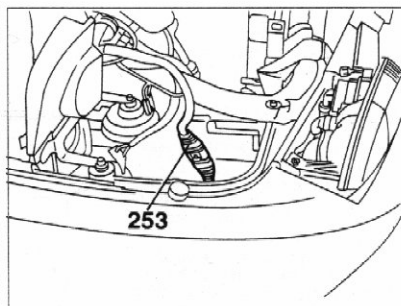
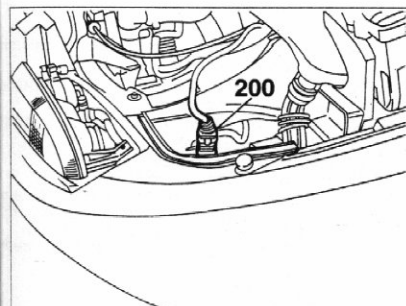
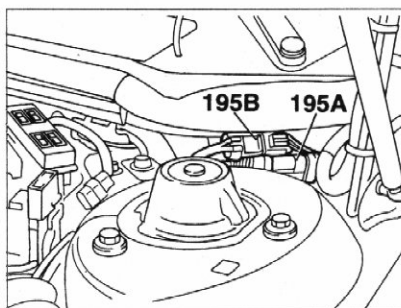
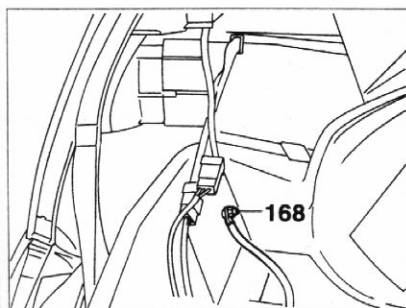
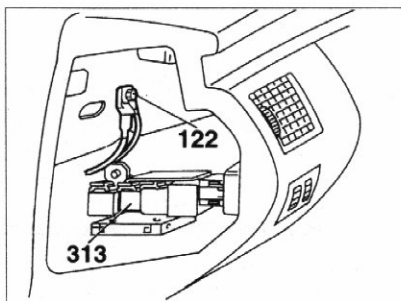
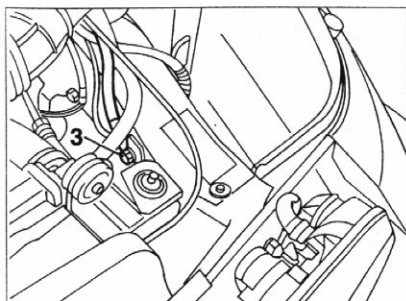
- A Component number
- B Connection number
- C Identification of connector at component

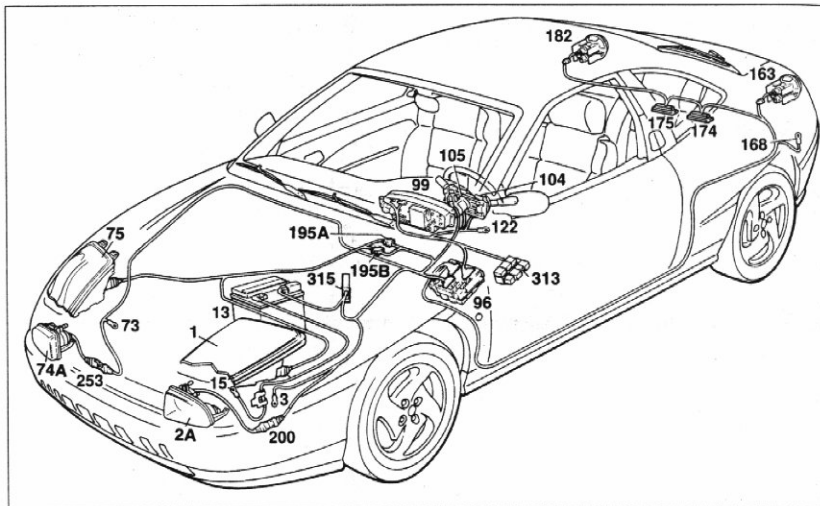
- D Connection pin number
- E Ultrasound welding taped in cable loom

**Parking lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights - (See key at end of wiring diagrams)**



Parking lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights





P2207R101

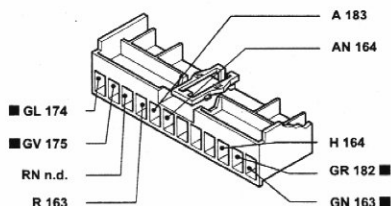
**Parking lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Parking lights - Number plate lights**

**Components key**

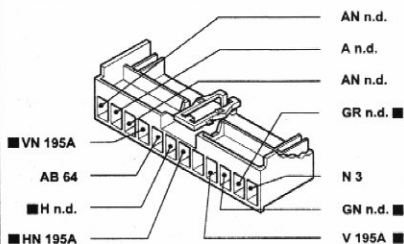
- |                                      |   |
|--------------------------------------|---|
| 1 Left front light cluster           | 122 Earth on bodyshell, driver's side                             |
| A Dipped headlamp                    | 163 Left rear light cluster                                       |
| B Main beam headlamp                 | A Side light  |
| C Headlamp alignment corrector       | B Vehicle brake light   |
| 2 Left front light cluster           | 168 Rear earth  |
| B Side light                         | 174 Left no. plate light  |
| 3 Left front earth                   | 175 Right no. plate light   |
| 13 Battery                           | 182 Right rear light cluster                                      |
| 15 Earth for battery                 | A Side light  |
| 73 Right front earth                 | B Vehicle brake light   |
| 74 Right front light cluster         | 195 Connection for cables with headlamp alignment device          |
| B Side light                         | 200 Connection between front and left front light cluster cables  |
| 75 Right front light cluster         | 253 Connection between front and right front light cluster cables |
| A Dipped headlamp                    | 313 Three diode container   |
| B Main beam headlamp                 | 315 Maxi power fuse control unit                                  |
| C Headlamp alignment corrector       | A 30A protective fuse for injection system                        |
| 96 Junction unit                     | B 40A protective fuse for ignition system                         |
| E11 Dipped headlamps relay feed      | C 60A protective fuse for junction unit                           |
| E12 Main beam headlamps relay feed   | D 60A protective fuse for injection system                        |
| E13 Side lights relay feed           |   |
| 39 Instrument panel                  |   |
| Y Side lights warning light          |   |
| Y1 Main beam headlamps warning light |   |
| 104 Steering column switch unit      |   |
| 105 Ignition switch                  |   |

55.

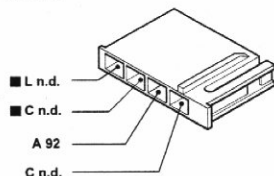
### 96C Junction unit



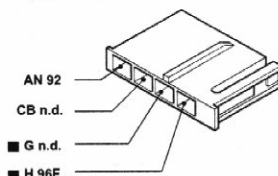
### 96I Junction unit



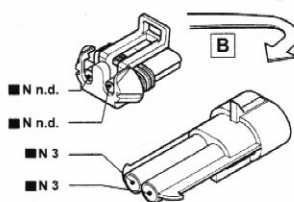
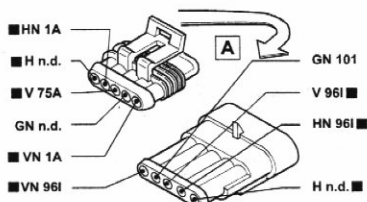
### 104A Steering column switch unit



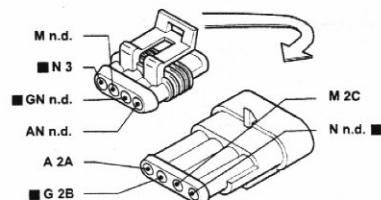
### 104D Steering column switch unit



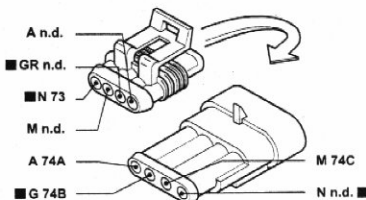
### 195 Front cable connection with headlamp cables



### 200 Connection between front and left front light cluster cables



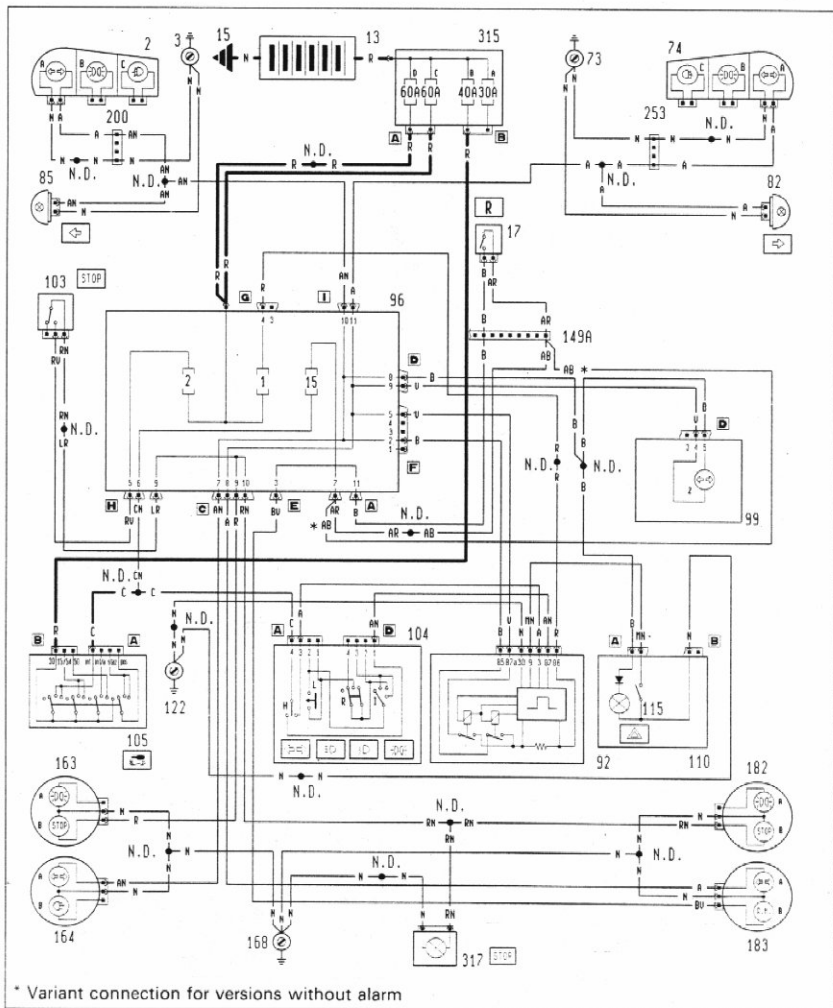
### 253 Connection between front and right front light cluster cables



The cables in the wiring diagram are marked

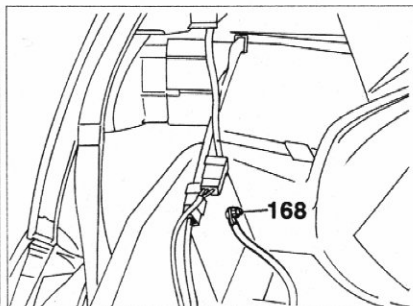
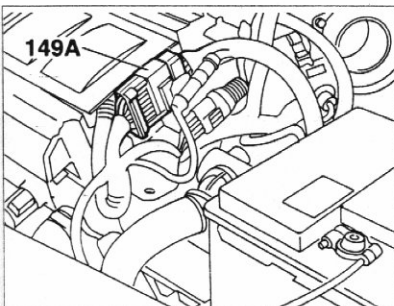
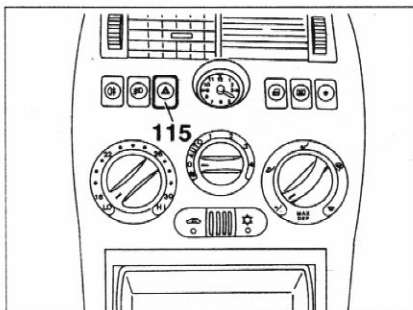
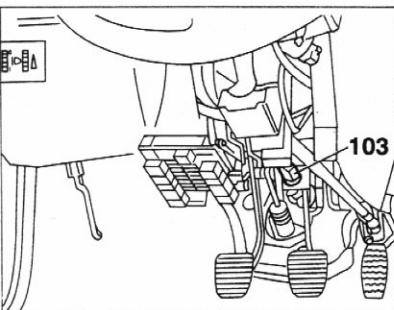
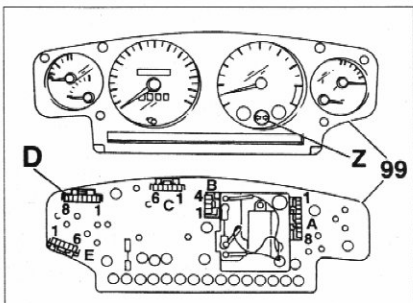
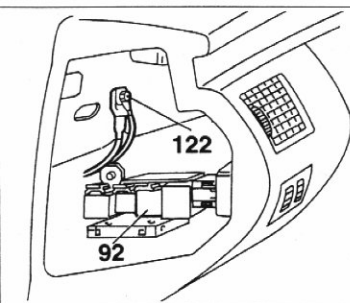
P3NGBRL01

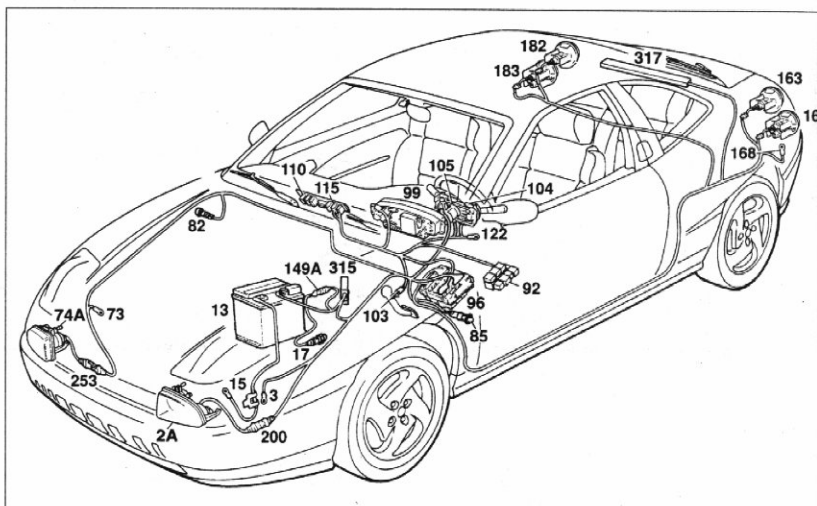
**Direction indicators and warning light - Hazard warning lights and warning light - Brake lights - Reversing light - (See key at end of wiring diagrams)**





irection indicators and warning light - Hazard warning lights and warning light - Brake lights - Re-  
versing light





P0N11RL01

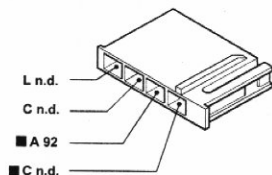
# **Direction indicators and warning light - Hazard warning lights and warning light - Brake lights - Reversing light**

## **Components key**

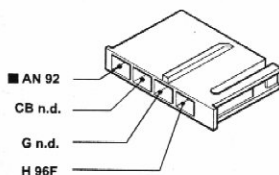
- |   |  |
|---|--|
| 2 Left front light cluster                  | 164 Left rear light cluster                  |
| A Direction indicator                       | A Direction indicator                        |
| 3 Left front earth                          | B Rear fog lamp                              |
| 13 Battery                                  | 168 Rear earth                               |
| 15 Earth for battery                        | 182 Right rear light cluster                 |
| 17 Reversing lights control switch          | A Side light                                 |
| 73 Right front earth                        | B Vehicle brake light                        |
| 74 Right front light cluster                | 183 Right rear light cluster                 |
| A Direction indicator                       | A Direction indicator                        |
| 82 Right front side direction indicator     | B Reversing light                            |
| 85 Left front side direction indicator      | 200 Connection between front and left front  |
| 92 Hazard warning lights timer              | light cluster cables                         |
| 96 Junction unit                            | 253 Connection between front and right front |
| 99 Instrument panel                         | light cluster cables                         |
| Z Direction indicators warning light        | 315 Maxi power fuse control unit             |
| 103 Brake lights control switch             | A 30A protective fuse for injection system   |
| 104 Steering column switch unit             | B 40A protective fuse for ignition system    |
| 105 Ignition switch                         | C 60A protective fuse for junction unit      |
| 110 Switch control unit                     | D 60A protective fuse for injection system   |
| 115 Hazard warning lights control switch    | 317 Additional brake light                   |
| 122 Earth on bodyshell, driver's side       |  |
| 149A Connection between front and injection |  |
| cables                                      |  |
| 163 Left rear light cluster                 |  |
| A Side light                                |  |
| B Vehicle brake light                       |  |

**55.**

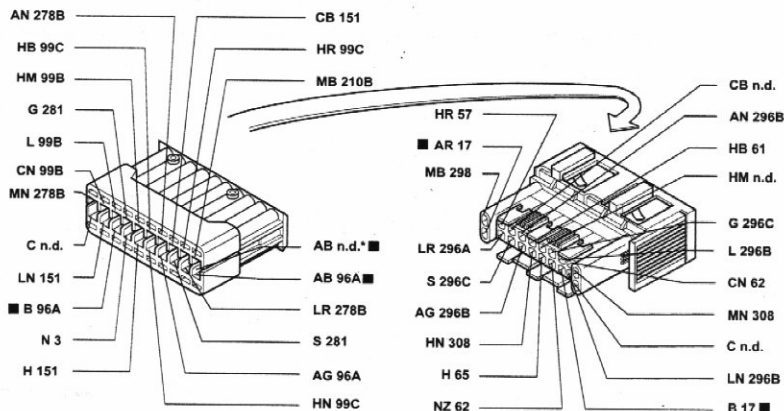
### 104A Steering column switch unit



### 104D Steering column switch unit

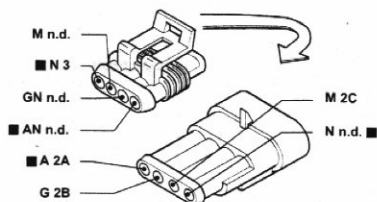


### 149A Connection between front and injection cables

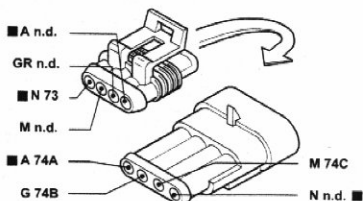


\* Exists only for the version with an alarm

### 200 Connection between front and left front light cluster cables



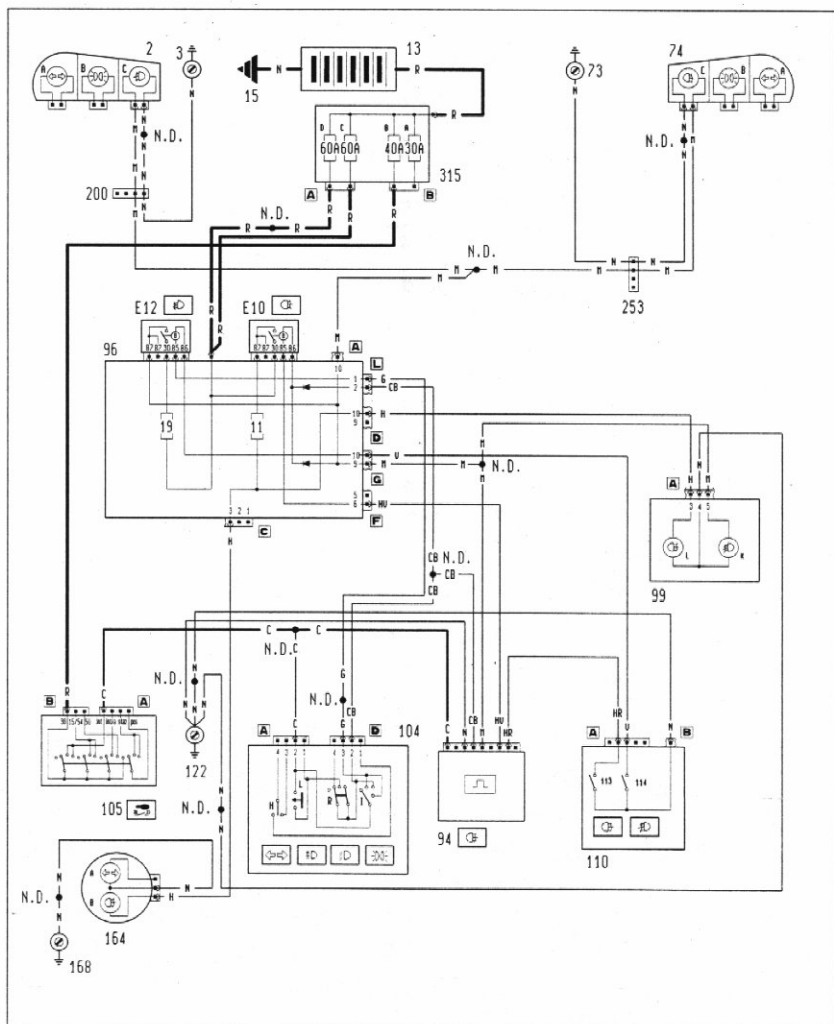
### 253 Connection between front and right front light cluster cables



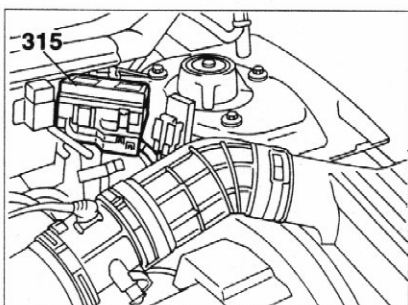
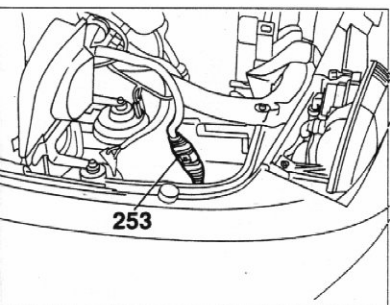
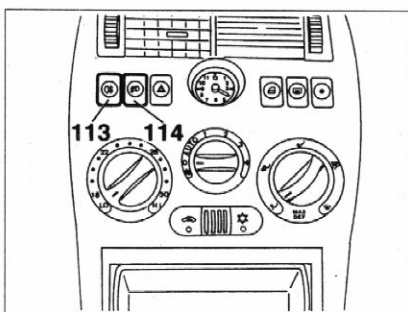
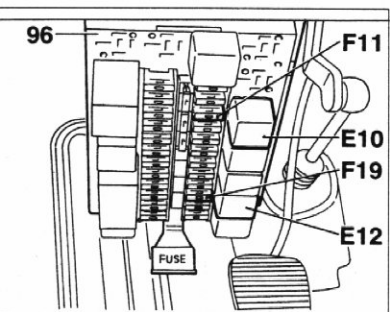
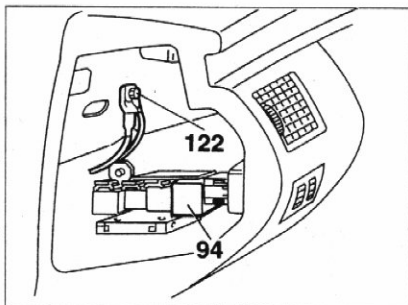
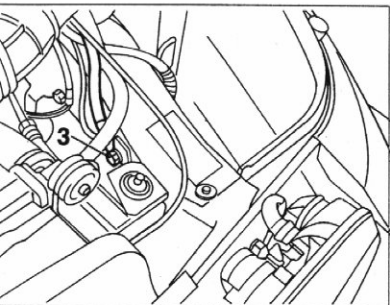
The cables in the wiring diagram are marked

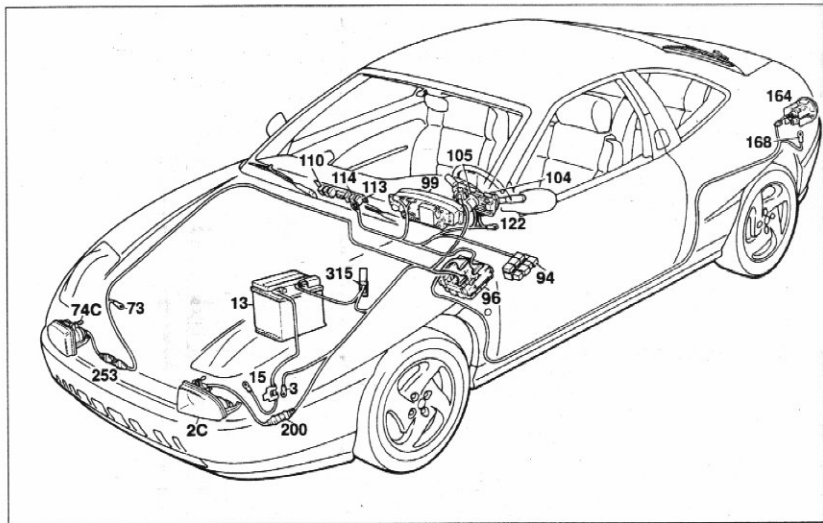
P3N12RL01

Fog lights and warning light - Rear fog lamp and warning light - (See key at end of wiring diagrams)



og lights and warning light - Rear fog lamp and warning light





P3N15RL01

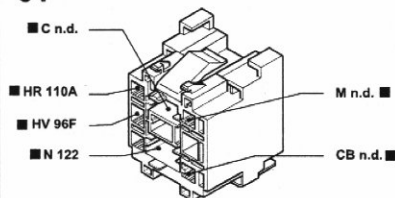
## Fog lights and warning light - Rear fog lamp and warning light

### Components key

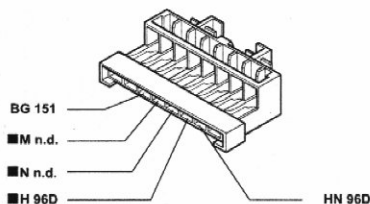
- |     |  |     |  |
|-----|--|-----|--|
| 2   | Left front light cluster               | 164 | Left rear light cluster                  |
| C   | Fog light                              | A   | Direction indicator                      |
| 3   | Left front earth                       | B   | Rear fog lamp                            |
| 13  | Battery                                | 168 | Rear earth                               |
| 15  | Earth for battery                      | 200 | Connection between front and left front  |
| 73  | Right front earth                      |     | light cluster cables                     |
| 74  | Right front light cluster              | 253 | Connection between front and right front |
| C   | Headlamp alignment corrector           |     | light cluster cables                     |
| 94  | Rear fog lamps electronic control unit | 315 | Maxi power fuse control unit             |
| 96  | Junction unit                          | A   | 30A protective fuse for injection system |
| E10 | Rear fog lamps relay feed              | B   | 40A protective fuse for ignition system  |
| E12 | Fog lights relay                       | C   | 60A protective fuse for junction unit    |
| 99  | Instrument panel                       | D   | 60A protective fuse for injection system |
| L   | Rear fog lamps warning light           |     |  |
| K   | Fog lights warning light               |     |  |
| 104 | Steering column switch unit            |     |  |
| 105 | Ignition switch                        |     |  |
| 110 | Switch control unit                    |     |  |
| 113 | Rear fog lamps control switch          |     |  |
| 114 | Fog lights switch                      |     |  |
| 122 | Earth on bodyside, driver's side       |     |  |

55.

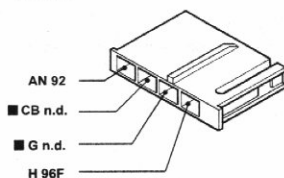
### 94 Rear fog lamps control unit



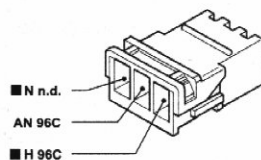
### 99A Instrument panel



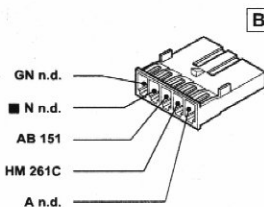
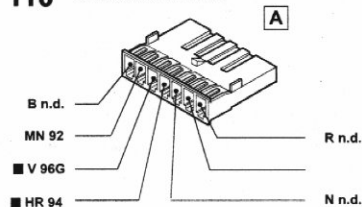
### 104D Steering column switch unit



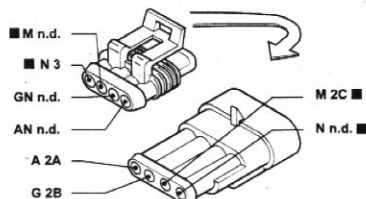
### 164 Left rear light cluster



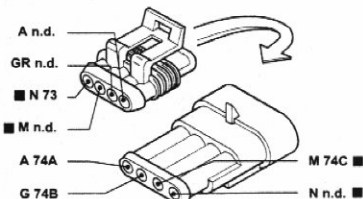
### 110 Switch control unit



### 200 Connection between front and left front light cluster cables



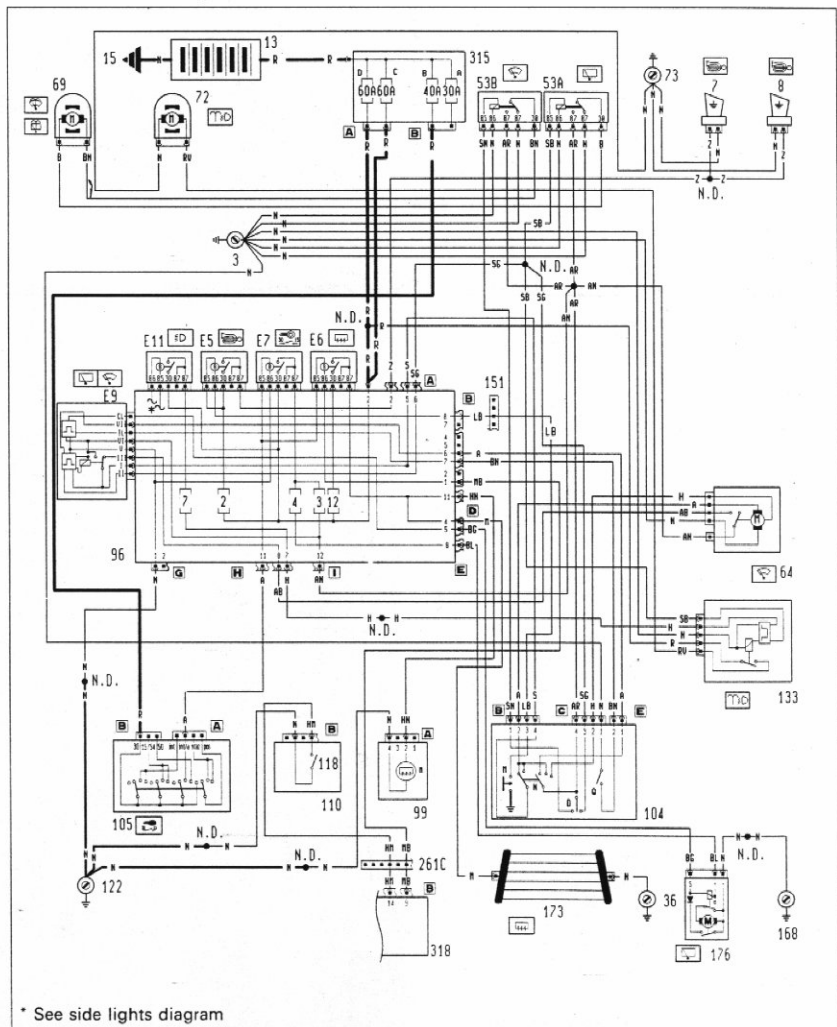
### 253 Connection between front and right front light cluster cables



The cables in the wiring diagram are marked

P3N16RL01

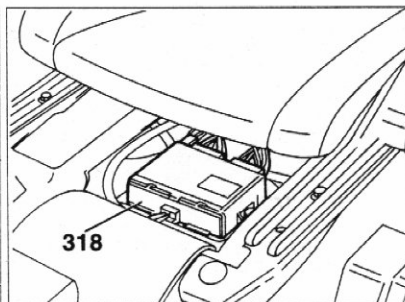
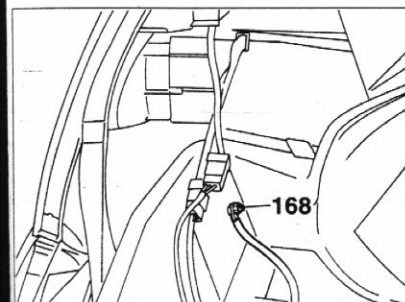
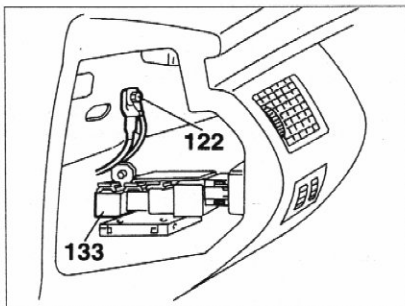
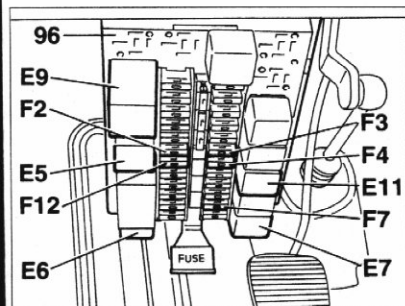
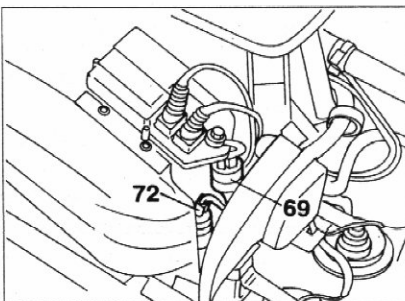
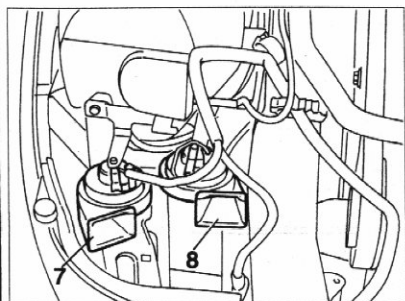
**Windscreen wiper - Electric windscreen/rearscreen washer pump - Headlamp washer - Electric horns - Heated rear windscreen and warning light - (See key at end of wiring diagrams)**

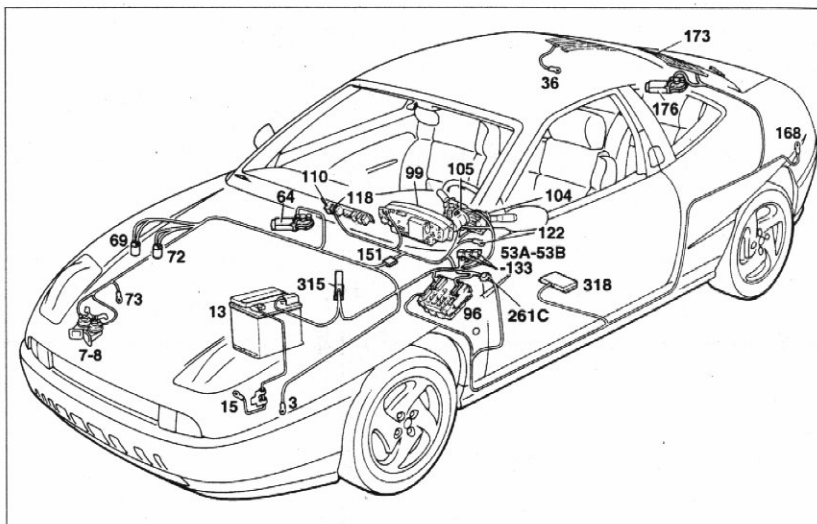


\* See side lights diagram



Windscreen wiper - Electric windscreen/rearscreen washer pump - Headlamp washer - Electric horns - Heated rear windscreen and warning light





P3N19RL01

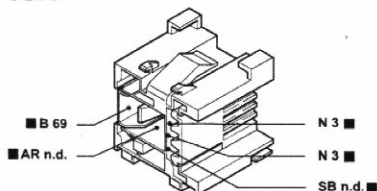
**Windscreen wiper - Electric windscreen/rear screen washer pump - Headlamp washer - Electric horns - Heated rear windscreen and warning light**

#### Components key

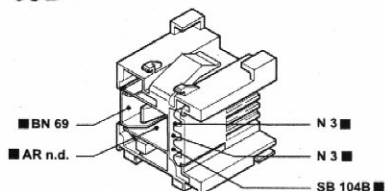
- |   |   |
|---|---|
| 3 Left front earth                                  | 105 Ignition switch                               |
| 7 Low tone electric horn                            | 110 Switch control unit                           |
| 8 High tone electric horn                           | 118 Switch for heated rear windscreen             |
| 13 Battery  | 122 Earth on bodyshell, driver's side             |
| 15 Earth for battery                                | 133 Intermittent device for headlamp washer       |
| 36 Rear earth on rear screen pillar                 | 151 Connection between front and dashboard cables |
| 53A Windscreen washer remote control switch         | 168 Rear earth                                    |
| 53B Rear screen washer remote control switch        | 173 Heated rear windscreen                        |
| 64 Windscreen wiper motor                           | 176 Rear screen wiper motor                       |
| 69 Elec. windscreen/rear screen washer pump         | 261C Connection between dashboard and rear cables |
| 72 Electric headlamp washer pump                    | 315 Maxi power fuse control unit                  |
| 73 Right front earth                                | A 30A protective fuse for injection system        |
| 96 Junction unit                                    | B 40A protective fuse for ignition system         |
| E5 Horn relay feed                                  | C 60A protective fuse for junction unit           |
| E6 Heated rear windscreen relay feed                | Identification data and location on vehicle       |
| E7 Ignition discharge relay                         | Cle 60A protective fuse for injection system      |
| E9 Windscreen/rear screen wiper intermittent device | 318 ABI control unit                              |
| E11 Dipped headlamps relay feed                     |   |
| 99 Instrument panel                                 |   |
| M Heated rear windscreen warning light              |   |
| 104 Steering column switch unit                     |   |

### 55.

#### 53A Windscreen washer remote control switch



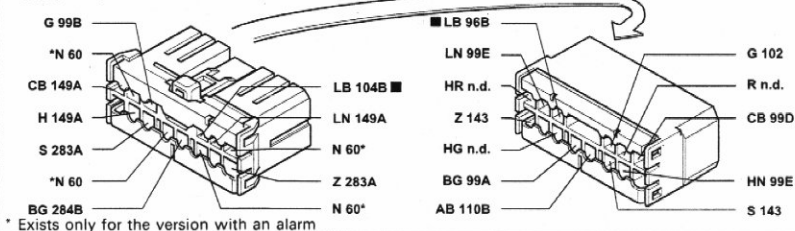
#### 53B Rearscreen washer remote control switch



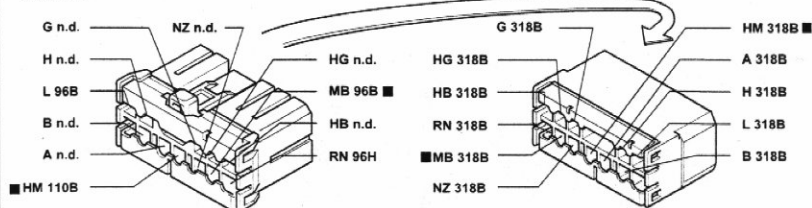
#### 64 Windscreen wiper motor



#### 151 Connection between dashboard and front cables



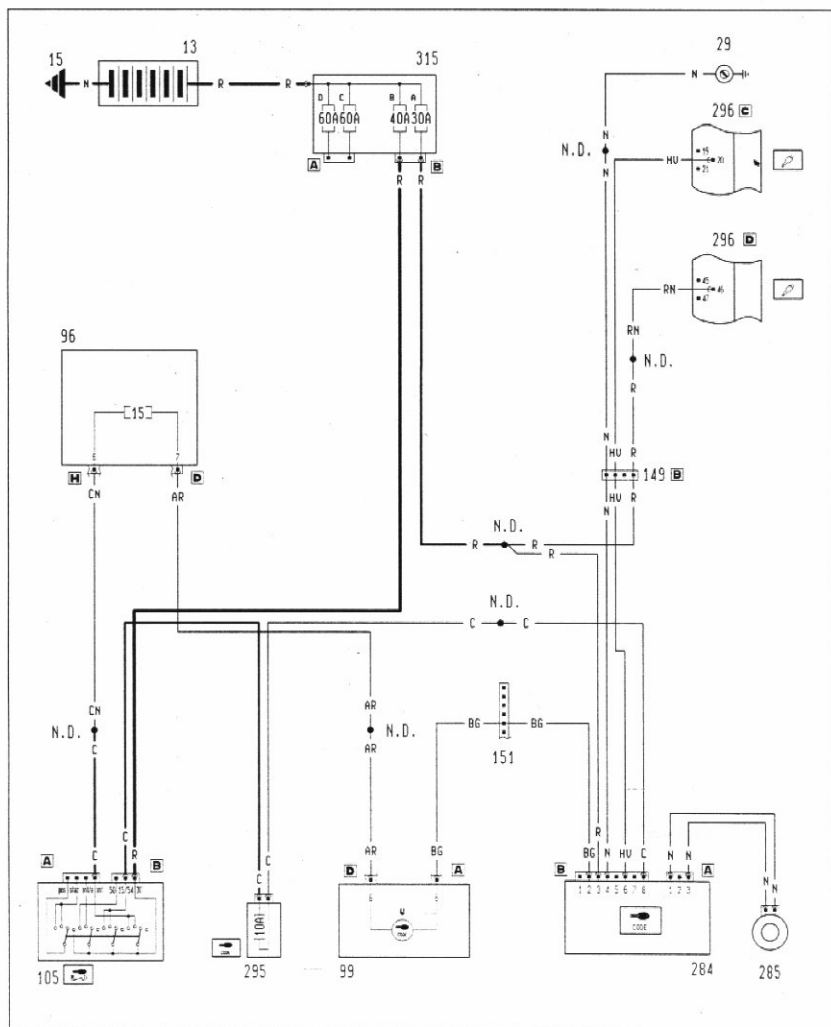
#### 261C Connection between dashboard and rear cables



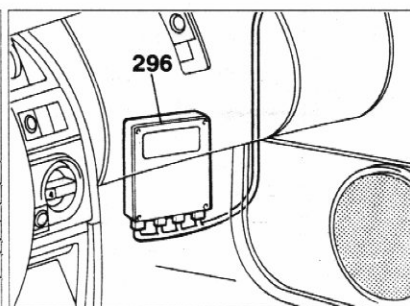
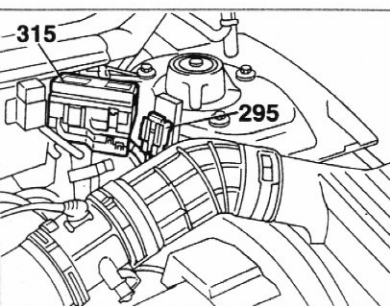
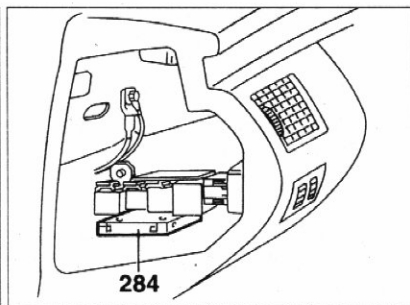
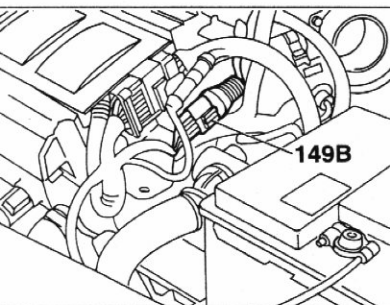
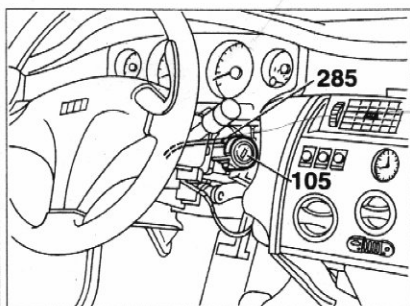
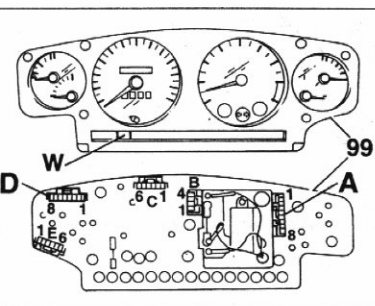
The cables in the wiring diagram are marked

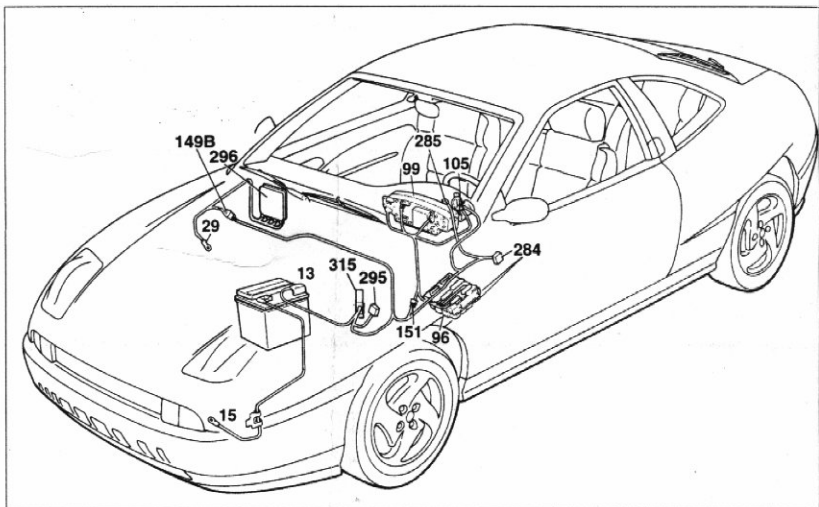
P3N20RL01

Fiat-CODE device and failure warning light - (See key at end of wiring diagrams)



at-CODE device and failure warning light





P3N23RL01

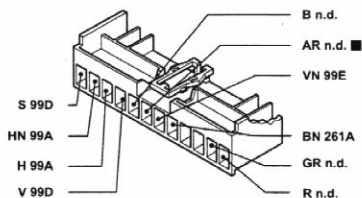
## Fiat-CODE device and failure warning light

### Components key

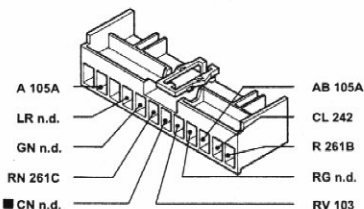
- |  |  |
|--|--|
| 13 Battery   | 285 Fiat-CODE aerial                           |
| 15 Earth for battery                               | 295 10A fuse protecting the Fiat-CODE device   |
| 29 Earth on engine                                 | 296 Injection/ignition electronic control unit |
| 96 Junction unit                                   | 315 Maxi power fuse control unit               |
| 99 Instrument panel                                | A 30A protective fuse for injection system     |
| W Fiat-CODE failure warning light                  | B 40A protective fuse for ignition system      |
| 105 Ignition switch                                | C 60A protective fuse for junction unit        |
| 149B Connection between front and injection cables | D 60A protective fuse for injection system     |
| 151 Connection between front and dash-board cables |  |
| 284 Fiat-CODE control unit                         |  |

### 55.

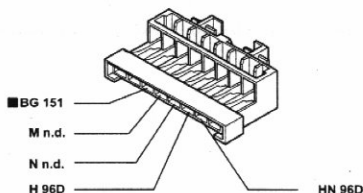
#### 96D Junction unit



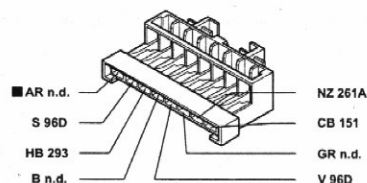
#### 96H Junction unit



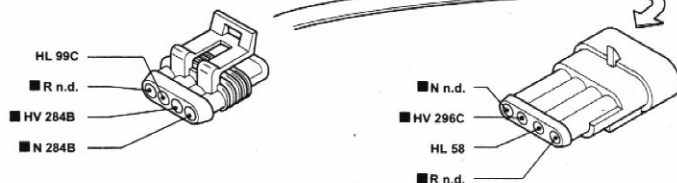
#### 99A Instrument panel



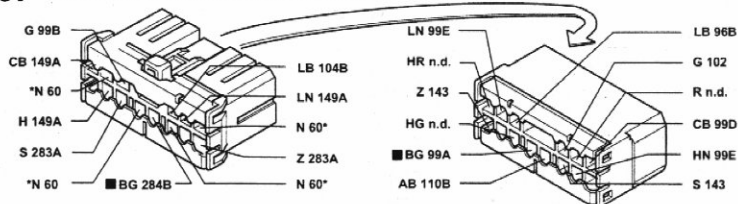
#### 99D Instrument panel



#### 149B Connection between front and injection cables



#### 151 Connection between dashboard and front cables

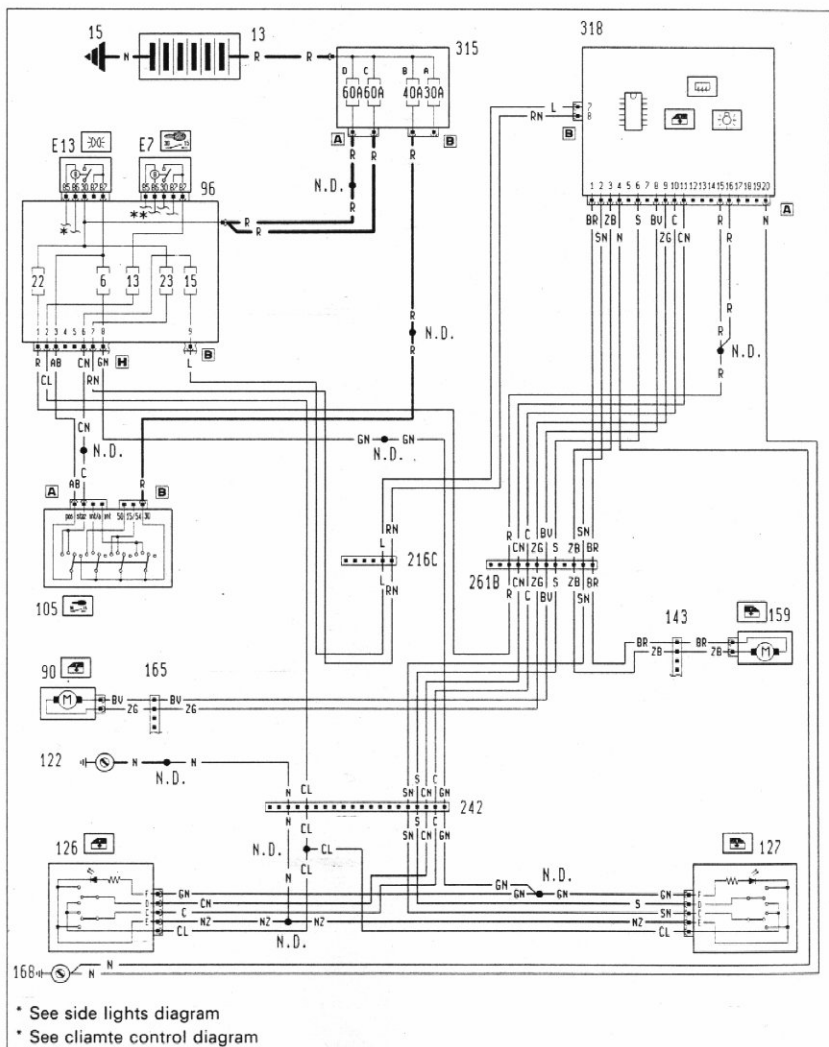


\* Exists only for versions with an alarm

The cables in the wiring diagram are marked

P3N24RL01

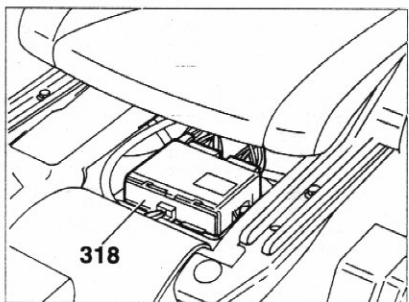
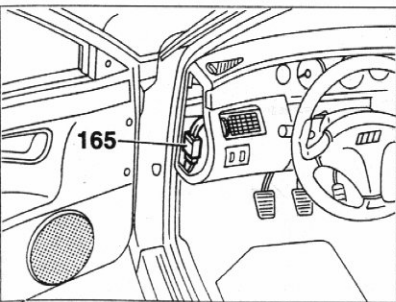
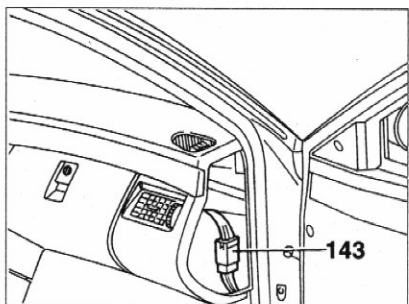
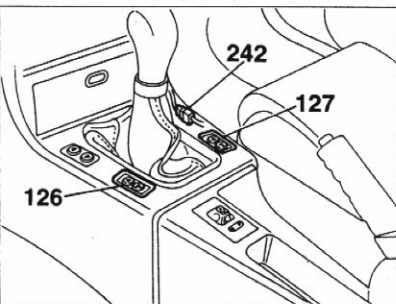
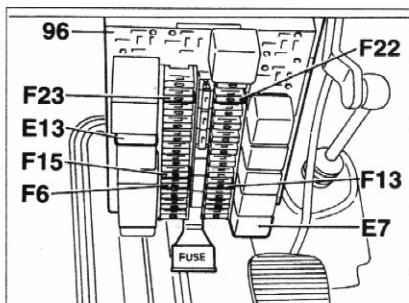
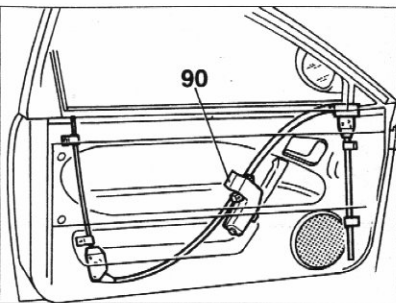
Electric windows - (See key at end of wiring diagrams)

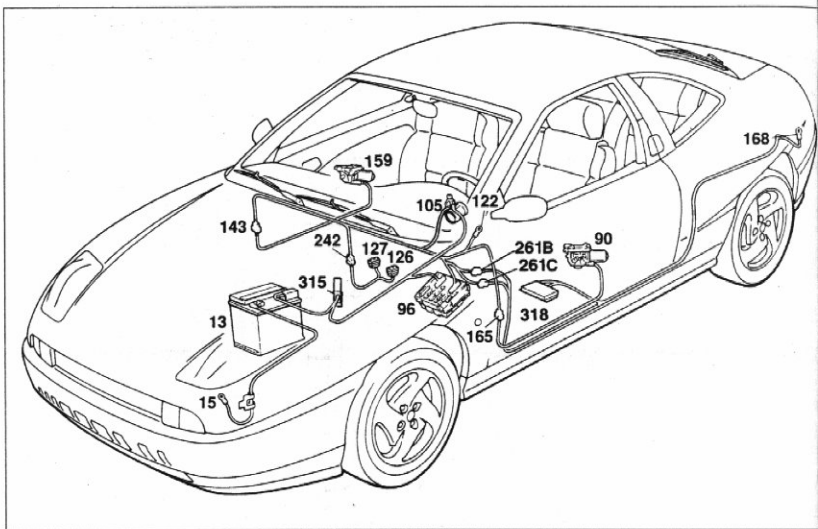


P3N/06P.01



# electric windows





P3N27RL01

## Electric windows

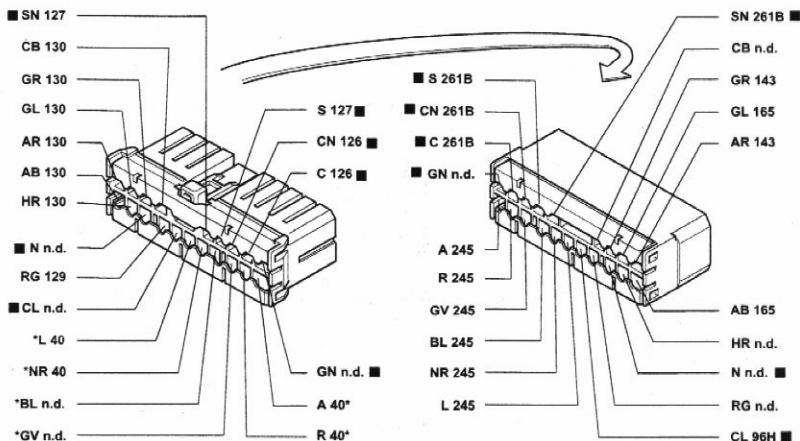
### Components key

- 13 Battery
- 15 Earth for battery
- 90 Left electric window motor
- 96 Junction unit
  - E7 Ignition discharge relay
  - E13 Side lights relay feed
- 105 Ignition switch
- 122 Earth on bodyshell, driver's side
- 126 Controls on centre console for operating left electric window
- 127 Controls on centre console for operating right electric window
- 143 Connection between dashboard and right door cables
- 159 Right electric window motor
- 165 Connection between dashboard and left door cables
- 168 Rear earth
- 242 Connection between dashboard and centre console cables

- 261B Connection between dashboard and cables
- 261C Connection between dashboard and cables
- 315 Maxi power fuse control unit
  - A 30A protective fuse for injection system
  - B 40A protective fuse for ignition system
  - C 60A protective fuse for junction unit
  - D 60A protective fuse for injection system
- 318 ABI control unit

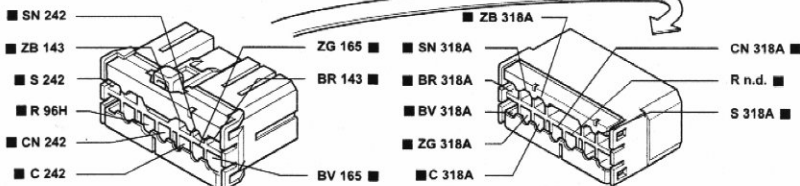
55.

### 242 Connection between dashboard and centre console cables

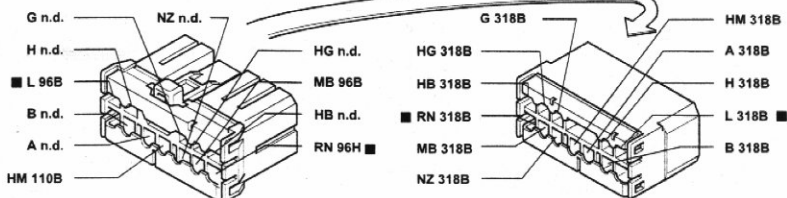


\* Exists only for versions with an electrically operated sun roof

### 261B Connection between dashboard and rear cables



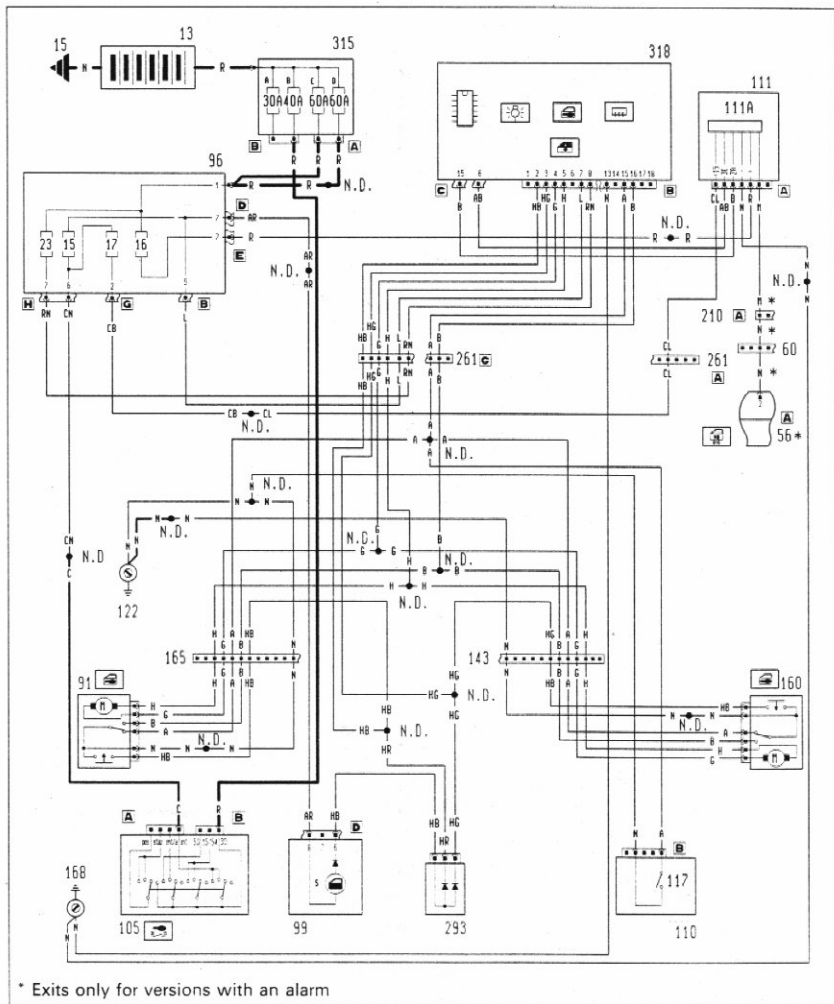
### 261C Connection between dashboard and rear cables



The cables in the wiring diagram are marked

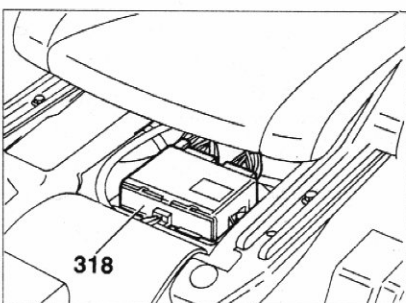
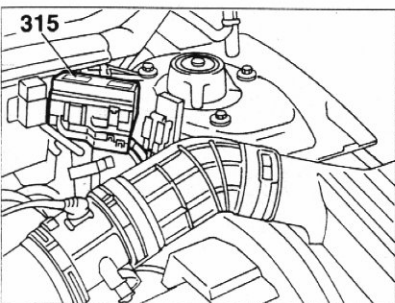
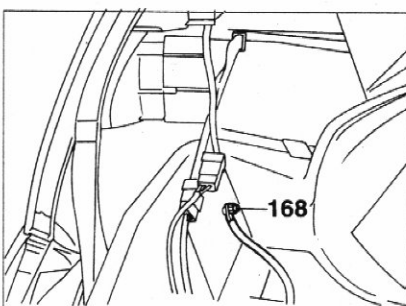
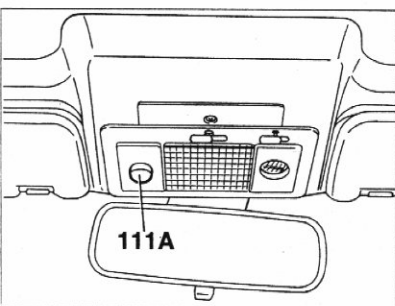
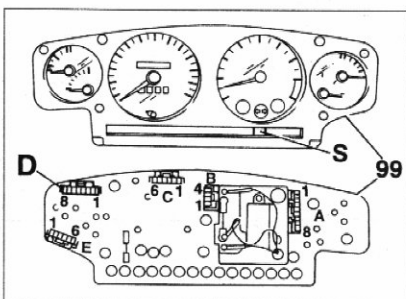
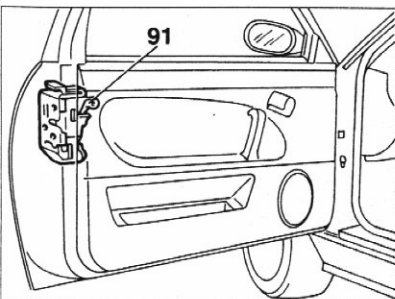
P3N2BRLO1

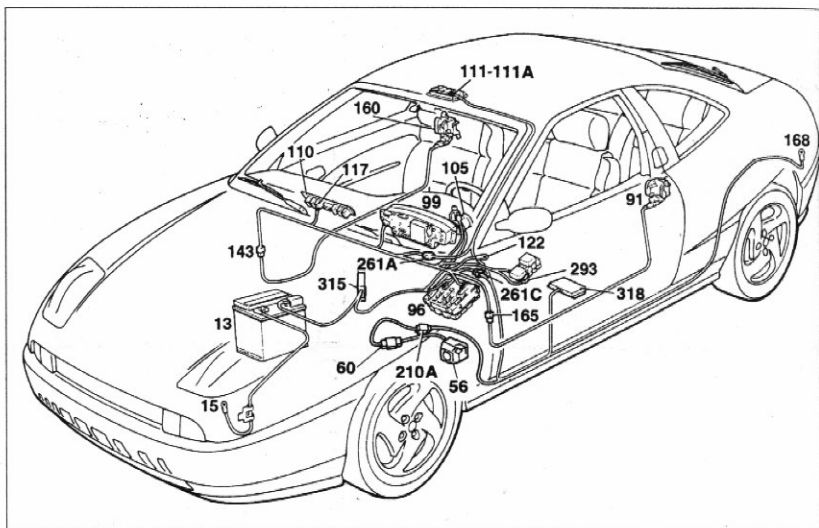
**Central locking - Doors ajar warning light - (See key at end of wiring diagrams)**



\* Exits only for versions with an alarm

Central locking - Doors ajar warning light





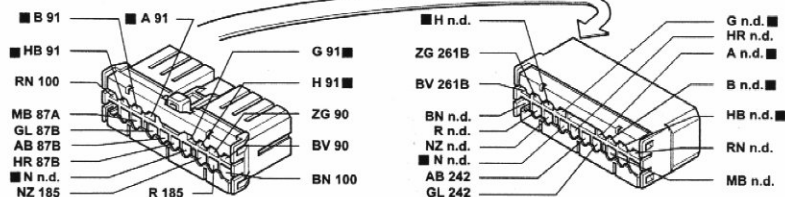
P3N31RL01

## Central locking - Doors ajar warning light

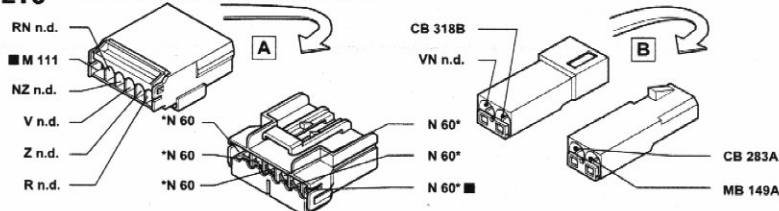
### Components key

- |      |  |      |  |
|------|--|------|--|
| 13   | Battery  | 160  | Right central locking geared motor and door ajar signal                              |
| 15   | Earth for battery                                      | 165  | Connection between dashboard and door cables   |
| 56   | Alarm device electronic control unit                   | 168  | Rear earth   |
| 60   | Front cable connection with alarm cable                | 210  | Connection between front and rear cables   |
| 91   | Left central locking geared motor and door ajar signal | 261A | Connection between dashboard and rear cables   |
| 96   | Junction unit  | 261C | Connection between dashboard and rear cables   |
| 99   | Instrument panel                                       | 293  | Two diode container  |
| 105  | Doors ajar warning light                               | 315  | Maxi power fuse control unit   |
| 110  | Ignition switch  |      | A 30A protective fuse for injection system   |
| 111  | Switch control unit                                    |      | B 40A protective fuse for ignition system  |
| 111A | Courtesy lights  |      | C 60A protective fuse for junction unit  |
| 111A | Central locking remote control receiver                |      | Identification data and location on vehicle 60A protective fuse for injection system |
| 117  | Central locking device on button                       |      |  |
| 122  | Earth on bodyshell, driver's side                      |      |  |
| 143  | Connection between dashboard and right door cables     | 318  | ABI control unit   |

#### 165 Connection between dashboard and left door cables

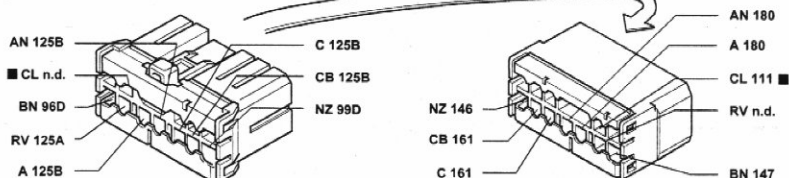


#### 210 Connection between front and rear cables

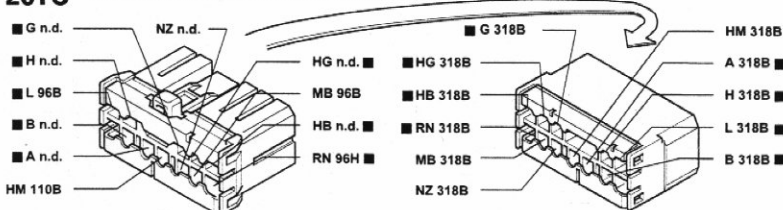


\* Exists only for versions with an alarm

#### 261A Connection between dashboard and rear cables



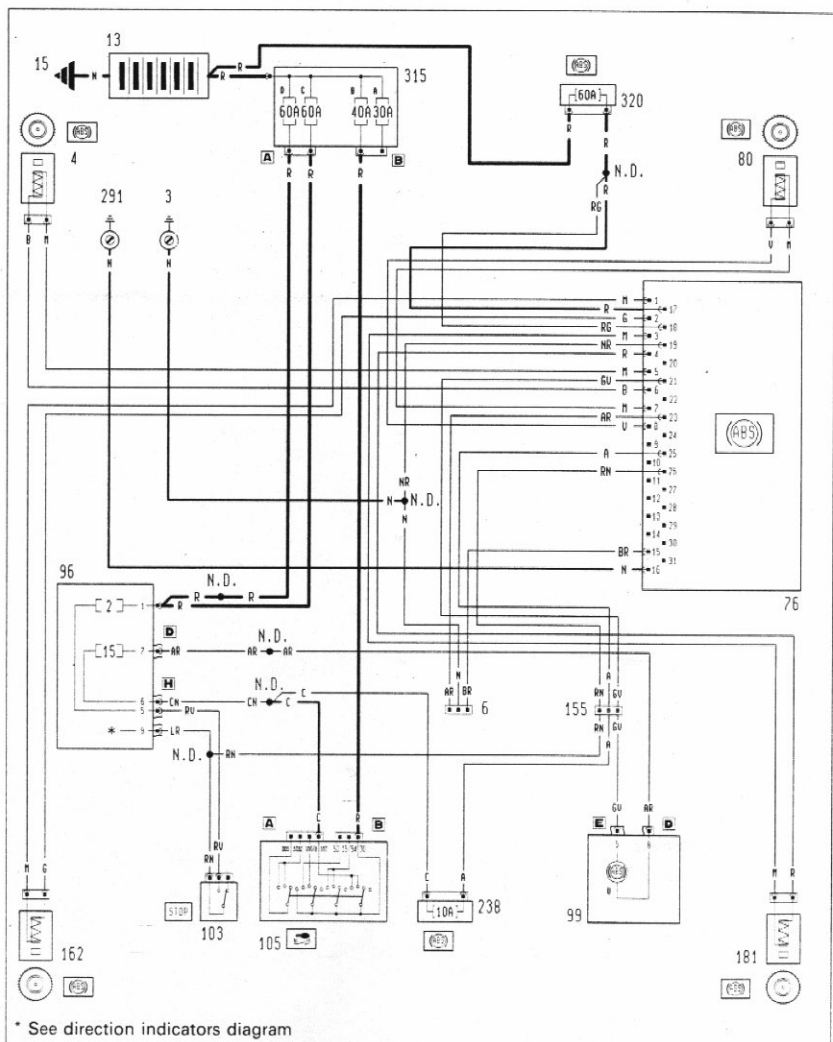
#### 261C Connection between dashboard and rear cables



The cables in the wiring diagram are marked

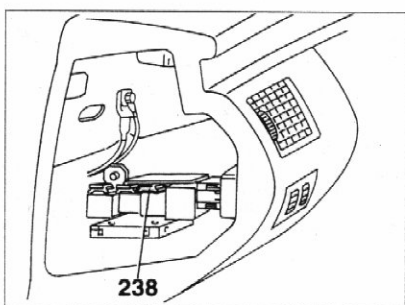
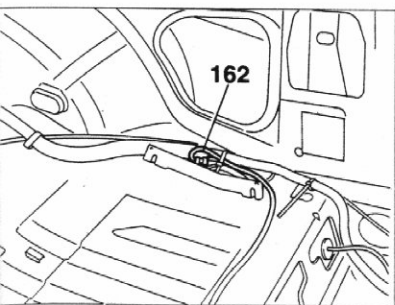
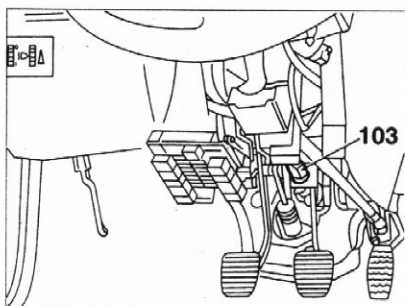
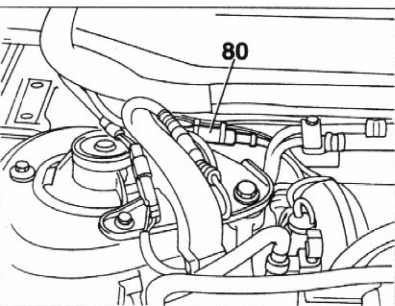
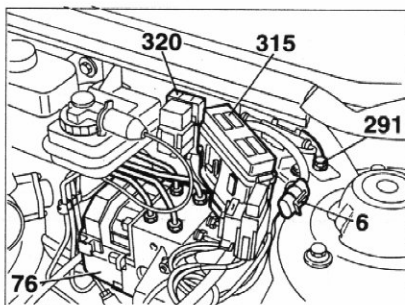
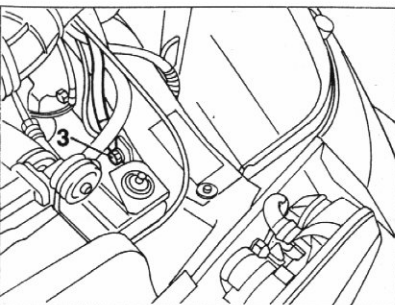
P3N32R1G1

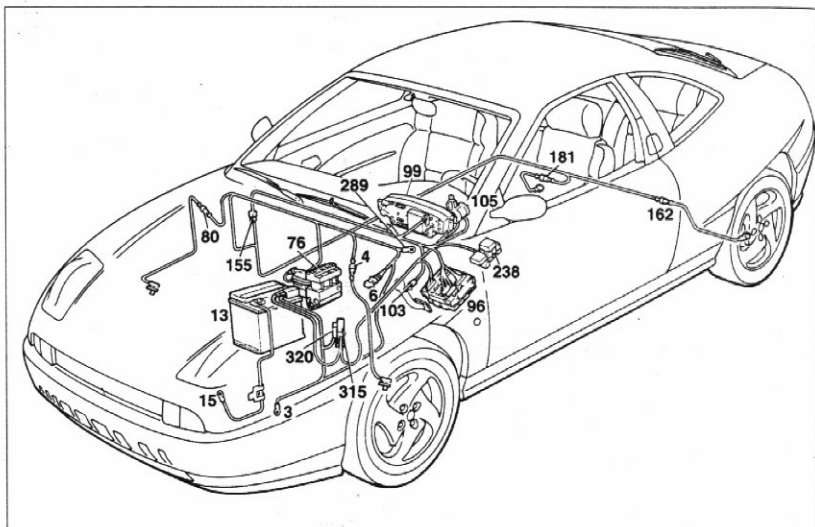
**Anti-lock brakes and failure warning light - (See key at end of wiring diagrams)**





Anti-lock brakes and failure warning light





P3N3BR/L01

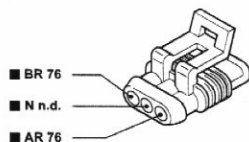
## Anti-lock brakes and failure warning light

### Components key

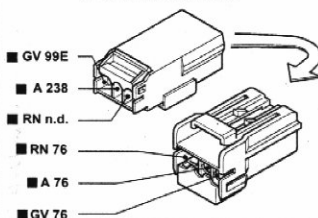
- |     |  |     |   |
|-----|--|-----|---|
| 3   | Left front earth   | 238 | 10A fuse protecting anti-lock brake (A.B.S.)  |
| 4   | Sensor on left front wheel (A.B.S.)                      | 291 | Earth for anti-lock brakes (A.B.S.)           |
| 6   | Diagnostic socket for anti-lock braking system (A.B.S.)  | 315 | Maxi power fuse control unit                  |
| 13  | Battery  | A   | 30A protective fuse for injection system      |
| 15  | Earth for battery  | B   | 40A protective fuse for ignition system       |
| 76  | Electronic control unit for anti-lock brakes (A.B.S.)    | C   | 60A protective fuse for junction unit         |
| 80  | Sensor on right front wheel (A.B.S.)                     | D   | 60A protective fuse for injection system      |
| 96  | Junction unit  | 320 | 60A fuse protecting anti-lock brakes (A.B.S.) |
| 99  | Instrument panel   |     |   |
| U   | Anti-lock braking system failure warning light           |     |   |
| 103 | Brake lights control switch                              |     |   |
| 105 | Ignition switch  |     |   |
| 155 | Connection between dashboard and anti-lock brakes cables |     |   |
| 162 | Sensor on left rear wheel (A.B.S.)                       |     |   |
| 181 | Sensor on right rear wheel (A.B.S.)                      |     |   |

55.

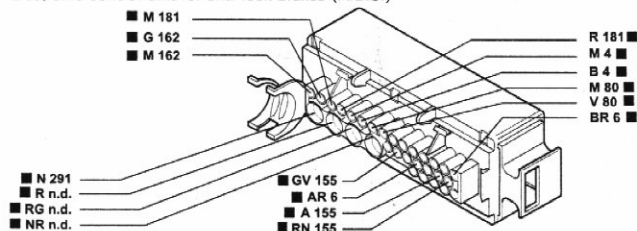
### 6 Diagnostic socket for anti-lock braking system (A.B.S.)



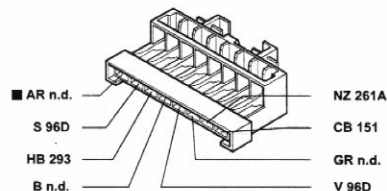
### 155 Connection between dashboard and anti-lock brakes cables



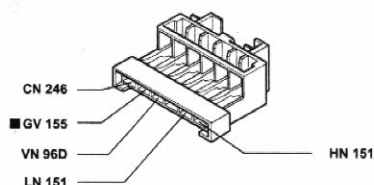
### 76 Electronic control unit for anti-lock brakes (A.B.S.)



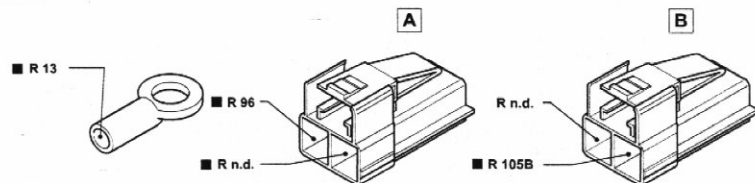
### 99D Instrument panel



### 99E Instrument panel



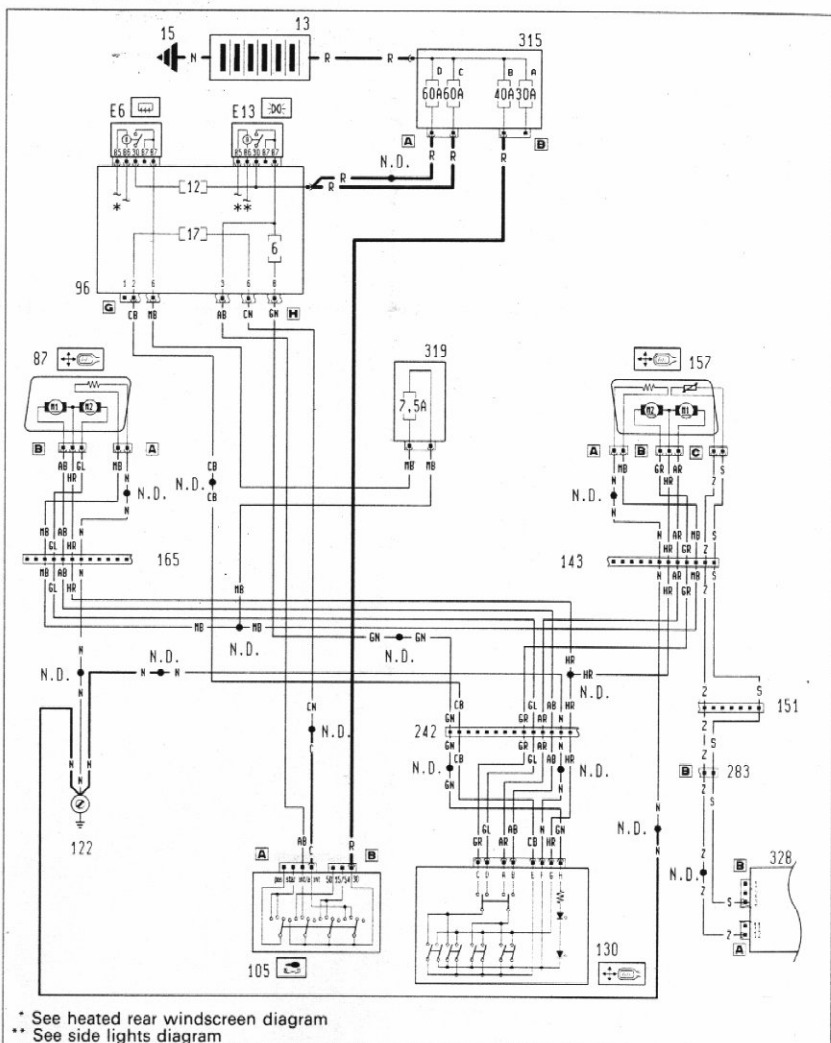
### 315 Maxi power fuse control unit



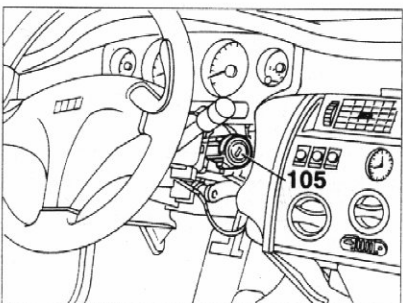
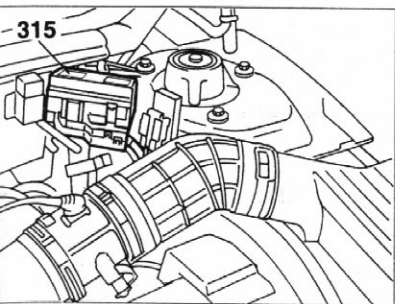
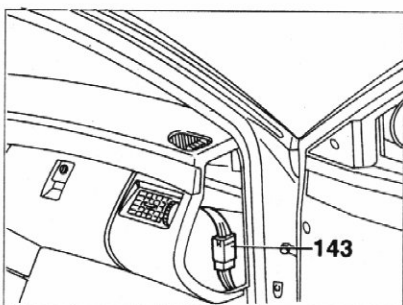
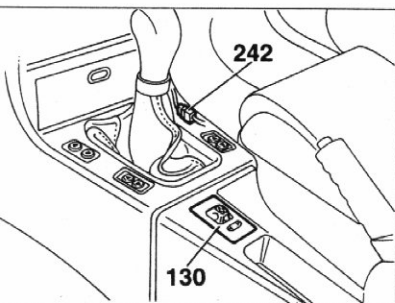
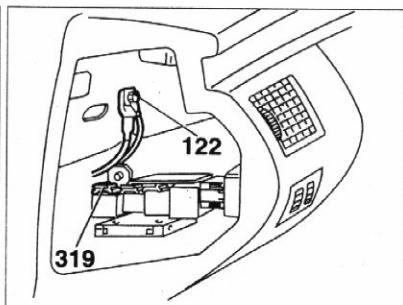
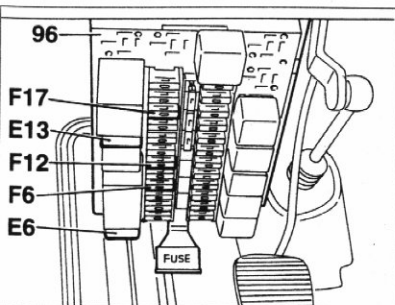
The cables in the wiring diagram are marked

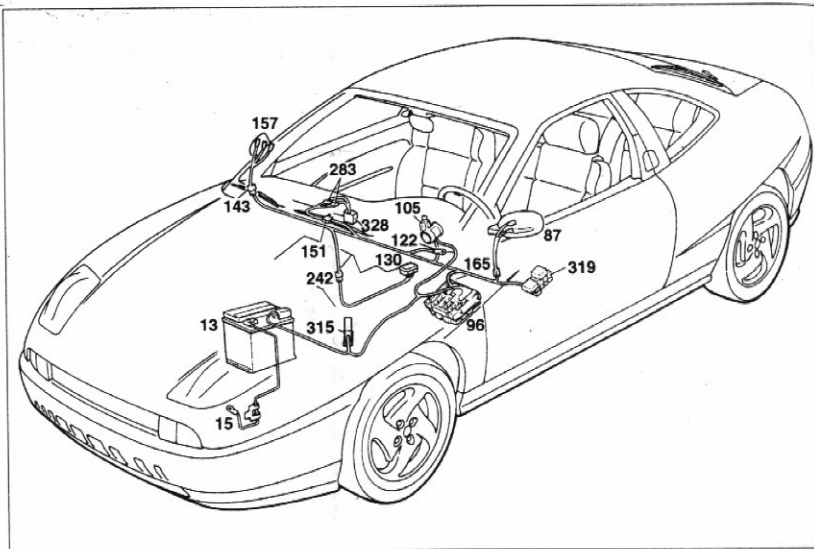
P3N36RL01

Electrically adjustable, heated external rear view mirrors - (See key at end of wiring diagrams)



Electrically adjustable, heated external rear view mirrors





P3N39RL01

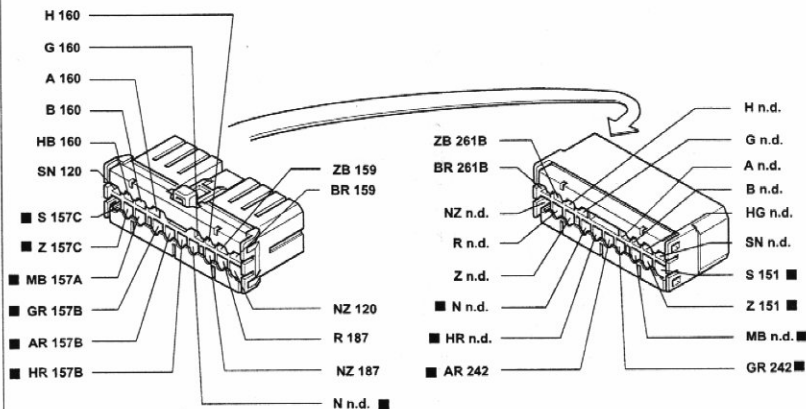
## Electrically adjustable, heated external rear view mirrors

### Components key

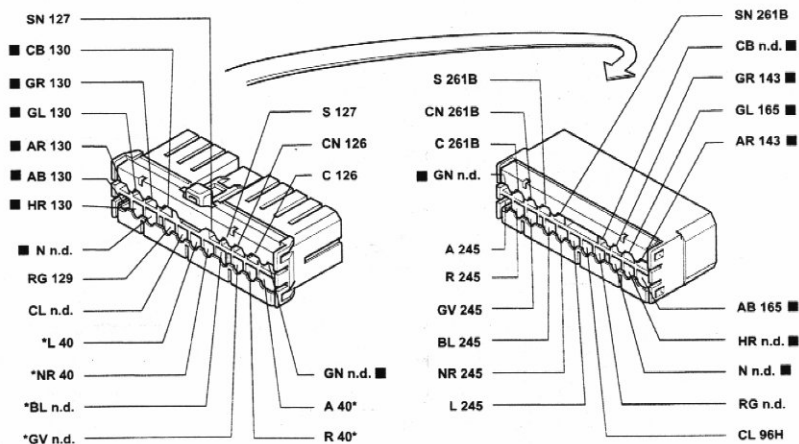
- |  |   |  |  |
|--|---|--|--|
| 13   | Battery   | 242  | Connection between dashboard and centre console cables |
| 15   | Earth for battery   | 283  | Connection between engine and climate control cables   |
| 87   | Left electrically adjustable, heated external rear view mirror  | 315  | Maxi power fuse control unit                           |
| 96   | Junction unit   | <ul style="list-style-type: none"> <li>A 30A protective fuse for injection system</li> <li>B 40A protective fuse for ignition system</li> <li>C 60A protective fuse for junction unit</li> <li>D 60A protective fuse for injection system</li> </ul> |  |
| <ul style="list-style-type: none"> <li>E6 Heated rear windscreen relay feed</li> <li>E13 Side lights relay feed</li> </ul> |   | 319  | 7.5A fuse protecting electric mirrors                  |
| 105  | Ignition switch   | 328  | Heater/climate control unit control unit               |
| 122  | Earth on bodyshell, driver's side                               |  |  |
| 130  | Electrically adjusted external rear view mirrors control panel  |  |  |
| 143  | Connection between dashboard and right door cables              |  |  |
| 151  | Connection between front and dashboard cables                   |  |  |
| 157  | Right electrically adjustable, heated external rear view mirror |  |  |
| 165  | Connection between dashboard and left door cables               |  |  |

### 55.

#### 143 Connection between dashboard and right door cables



#### 242 Connection between dashboard and centre console cables



\* Exists only for versions with an electrically operated sun roof

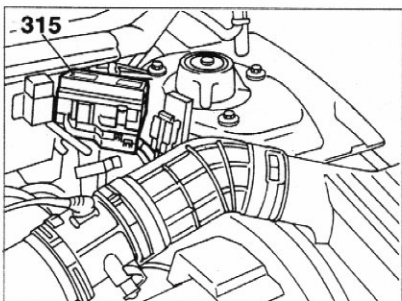
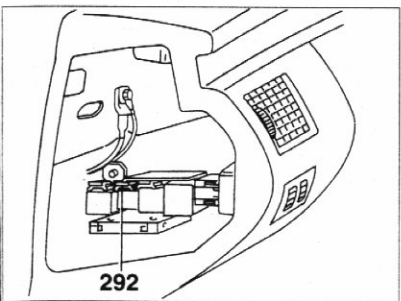
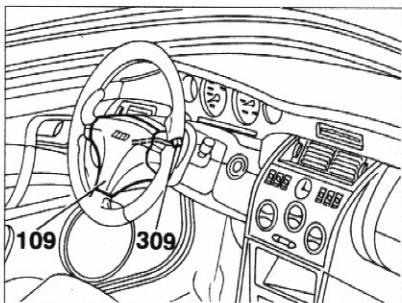
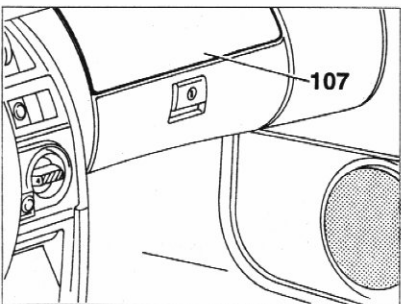
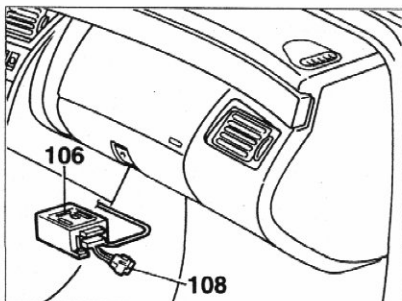
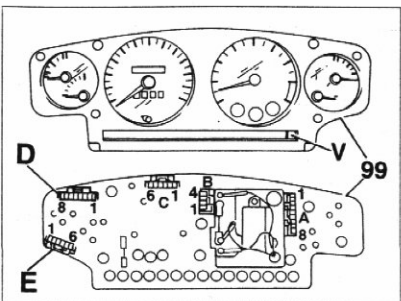
The cables in the wiring diagram are marked

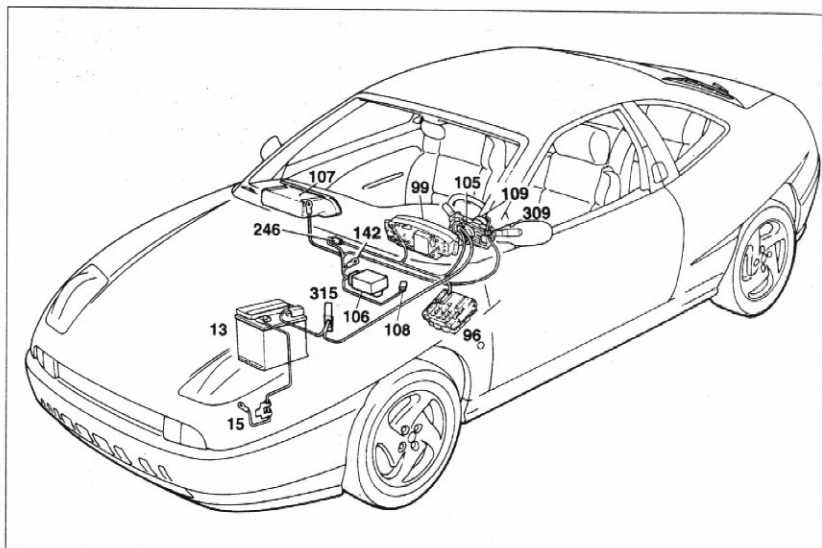
P3N40RL01





# EURO-BAG device and failure warning light





P3N43RL01

## EURO-BAG device and failure warning light

### Components key

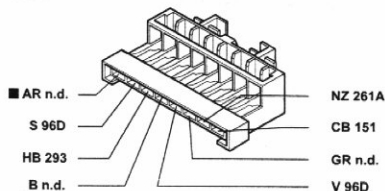
- 13 Battery
- 15 Earth for battery
- 96 Junction unit
- 99 Instrument panel
- V EURO-BAG device failure warning light
- Ignition switch
- 106 EURO-BAG electronic control unit
- 107 EURO-BAG charge (passenger side)
- 108 Diagnostic socket for EURO-BAG device
- 109 EURO-BAG charge (driver's side)
- 42 Earth for EURO-BAG device
- 246 EURO-BAG device cables connection
- 309 Connection between EURO-BAG cable and EURO-BAG charge (driver's side)

### 315 Maxi power fuse control unit

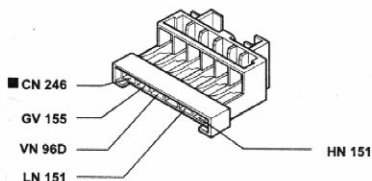
- A 30A protective fuse for injection system
- B 40A protective fuse for ignition system
- C 60A protective fuse for junction unit
- D 60A protective fuse for injection system

### 55.

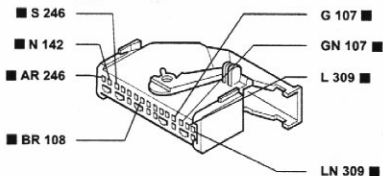
#### 99D Instrument panel



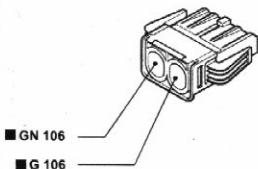
#### 99E Instrument panel



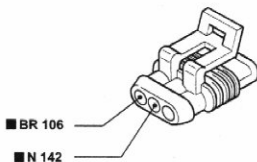
#### 106 EURO-BAG electronic control unit



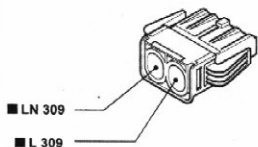
#### 107 EURO-BAG charge (passenger side)



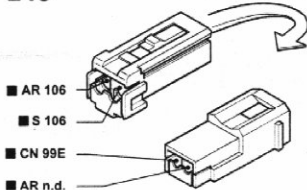
#### 108 Diagnostic socket for EURO-BAG device



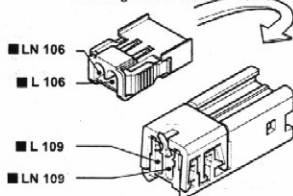
#### 109 EURO-BAG charge (driver's side)



#### 246 EURO-BAG device cables connection



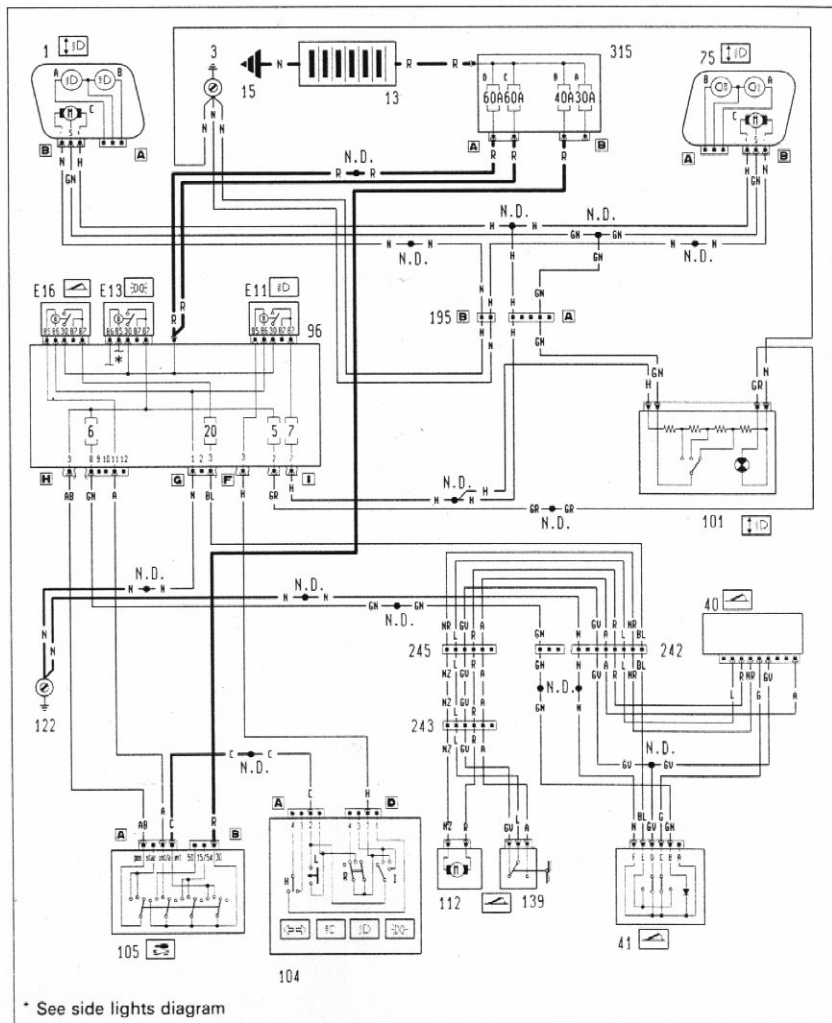
#### 309 Connection between EURO-BAG cable and steering column switch unit



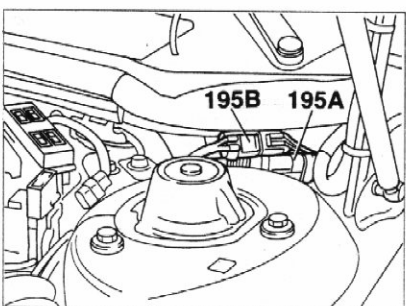
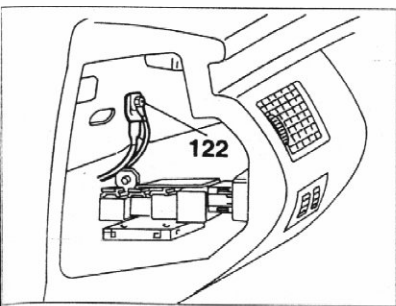
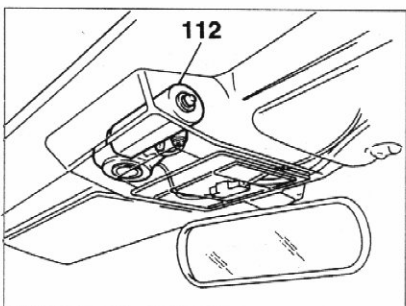
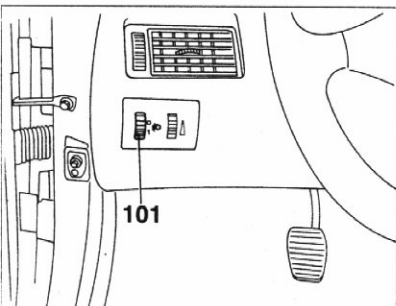
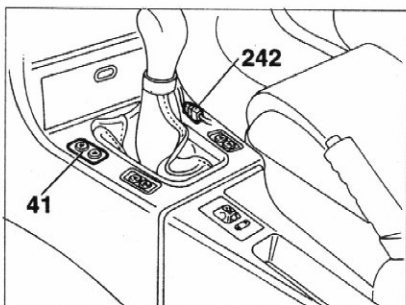
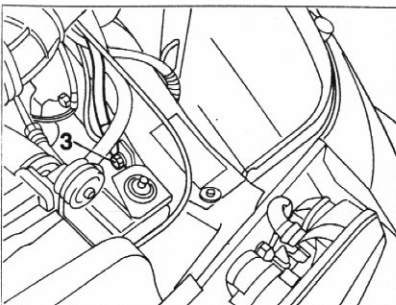
The cables in the wiring diagram are marked

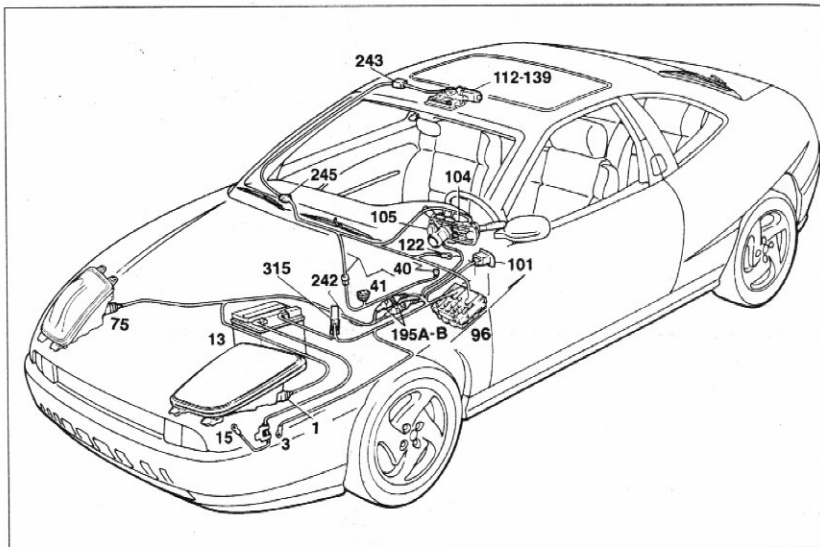
P3N44RL01

Electric sun roof - Headlamp alignment correction device - (See key at end of wiring diagrams)



Electric sun roof - Headlamp alignment correction device





P3N47R1L01

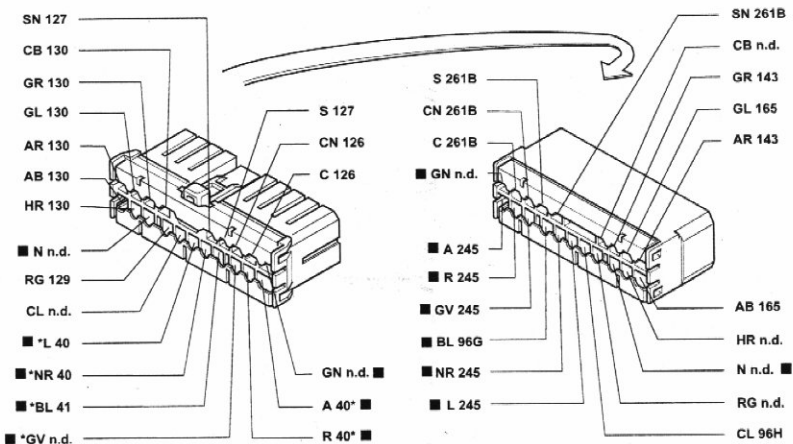
## Electric sun roof - Headlamp alignment correcter

### Components key

- |   |  |
|---|--|
| 1 Left front light cluster                                | 112 Electric sun roof operating motor                                      |
| A Dipped headlamp   | 122 Earth on bodyshell, driver's side                                      |
| B Main beam headlamp                                      | 139 Electrically operated sun roof end of travel switch                    |
| C Headlamp alignment correcter                            | 195 Headlamp alignment device cables connection                            |
| 3 Left front earth  | 242 Connection between dashboard and centre console cables                 |
| 13 Battery  | 243 Electrically operated sun roof cable connection                        |
| 15 Earth for battery                                      | 245 Connection between dashboard and electrically operated sun roof cables |
| 40 Electrically operated sun roof electronic control unit | 315 Maxi power fuse control unit   |
| 41 Electrically operated sun roof button                  | A 30A protective fuse for injection system                                 |
| 75 Right front light cluster                              | B 40A protective fuse for ignition system                                  |
| A Dipped headlamp   | C 60A protective fuse for junction unit                                    |
| B Main beam headlamp                                      | D 60A protective fuse for injection system                                 |
| C Headlamp alignment correcter                            |  |
| 96 Junction unit  |  |
| E11 Dipped headlamps relay feed                           |  |
| E13 Side lights relay feed                                |  |
| E16 Sun roof relay feed                                   |  |
| 101 Headlamp alignment control unit                       |  |
| 104 Steering column switch unit                           |  |
| 105 Ignition switch                                       |  |

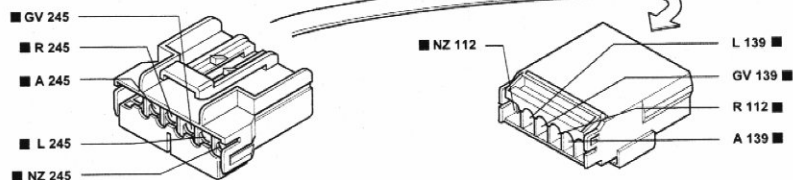
### 55.

#### 242 Connection between dashboard and centre console cables

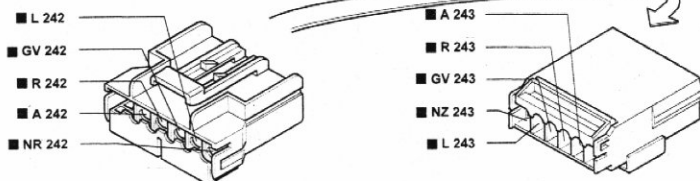


\* Exists only for versions with an electrically operated sun roof

#### 243 Electrically operated sun roof cable connection



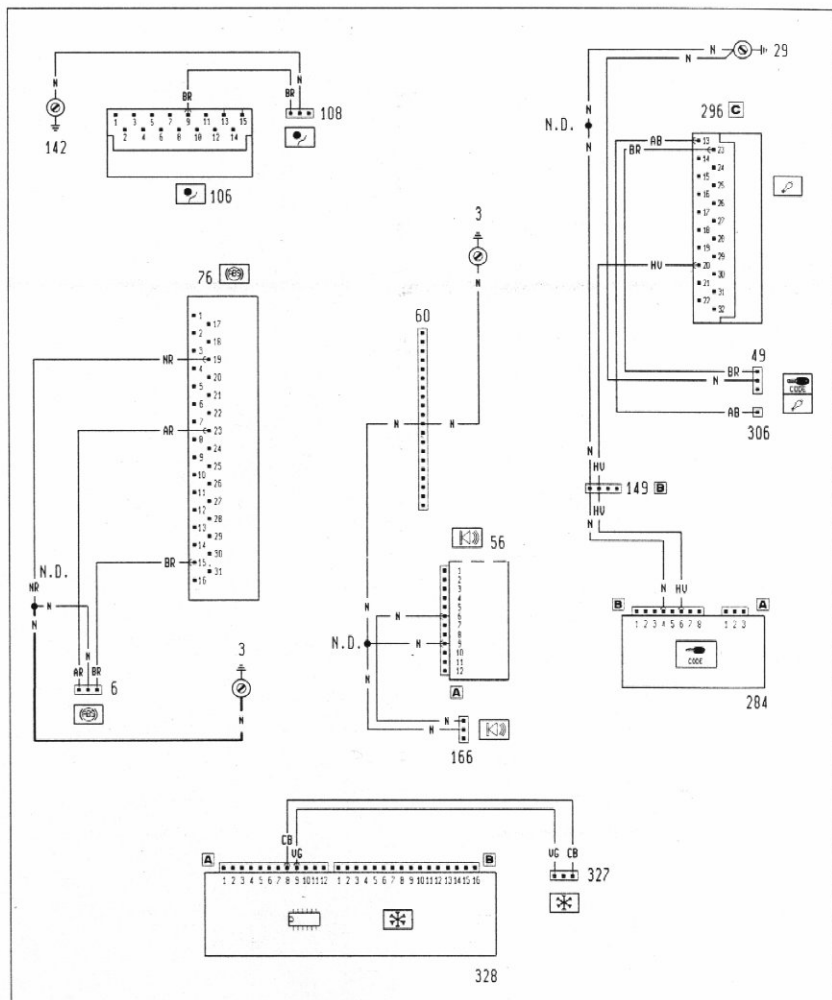
#### 245 Connection between dashboard and electrically operated sun roof cables



The cables in the wiring diagram are marked

PSN48RL01

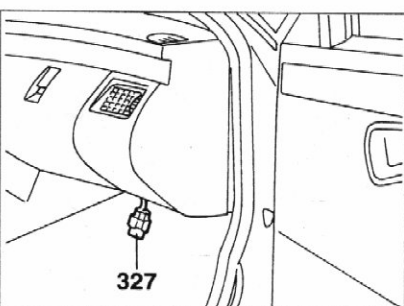
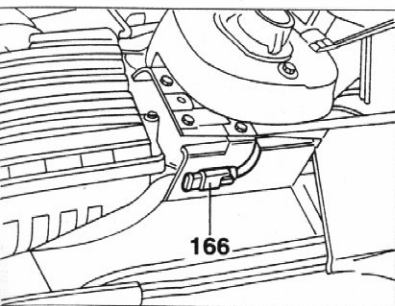
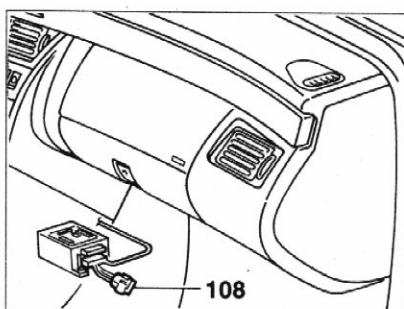
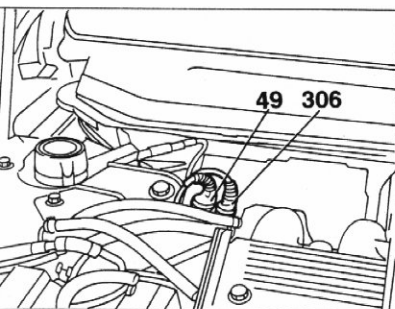
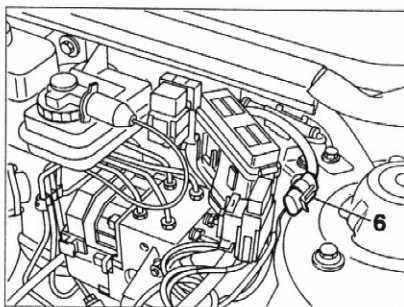
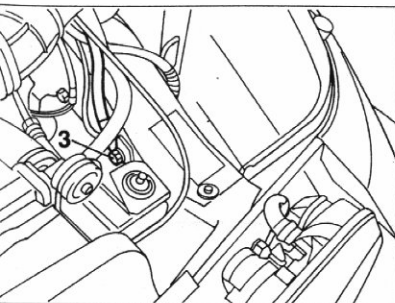
Diagnostic socket connections - (See key at end of wiring diagrams)

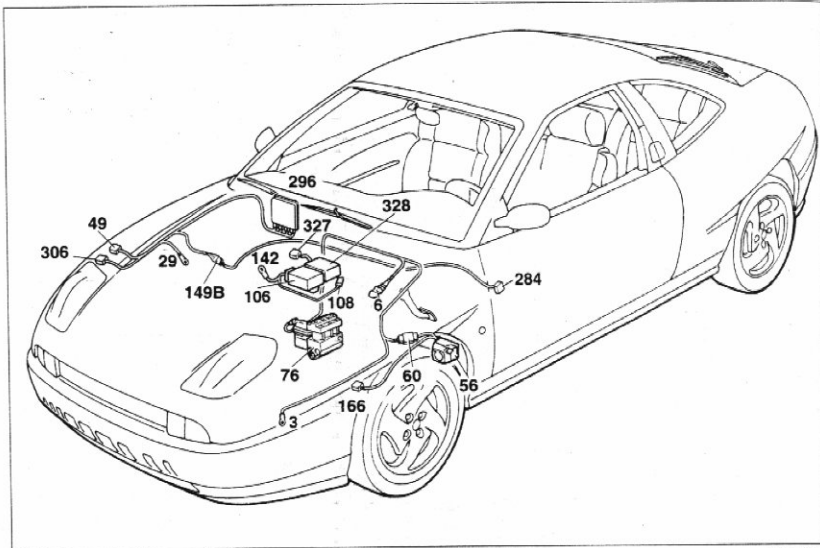


P3N49RL01



Diagnostic socket connections





P3N51RL01

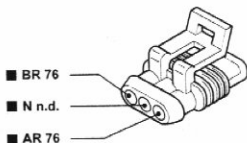
## Diagnostic socket connections

### Components key

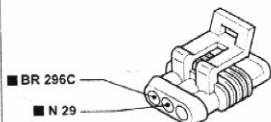
- |   |  |
|---|--|
| 3 Left front earth  | 142 Earth for EURO-BAG device                      |
| 6 Diagnostic socket for anti-lock braking system (A.B.S.) | 149B Connection between front and injection cables |
| 29 Earth on engine  | 166 Diagnostic socket for alarm                    |
| 49 Diagnostic socket for injection system                 | 284 Fiat-CODE control unit                         |
| 56 Alarm device electronic control unit                   | 296 Injection/ignition electronic control unit     |
| 60 Connection between front and alarm cables              | 327 Heater/air conditioning unit diagnostic socket |
| 76 Electronic control unit for anti-lock brakes (A.B.S.)  | 328 Heater/climate control unit control unit       |
| 106 EURO-BAG electronic control unit                      | 306 Diagnostic socket for injection system         |
| 108 Diagnostic socket for EURO-BAG device                 |  |

## 55.

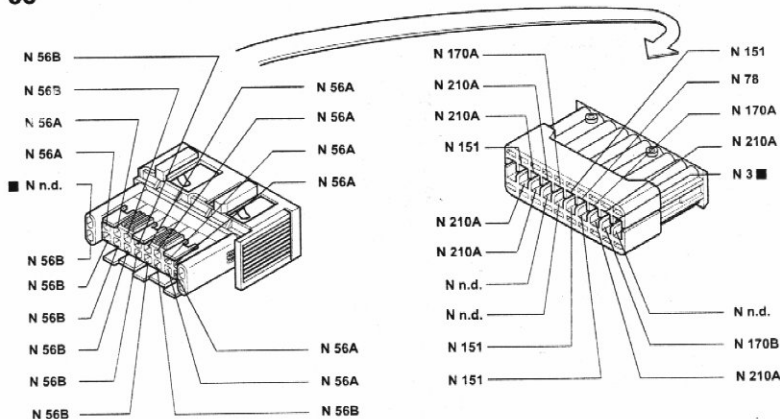
**6** Diagnostic socket for anti-lock braking system (A.B.S.)



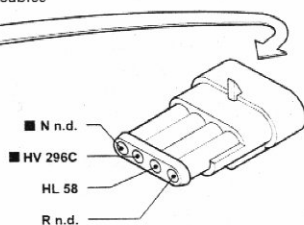
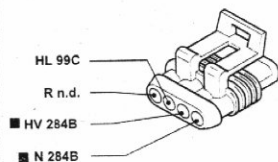
**49** Diagnostic socket for injection system



**60** Connection between front and alarm cables



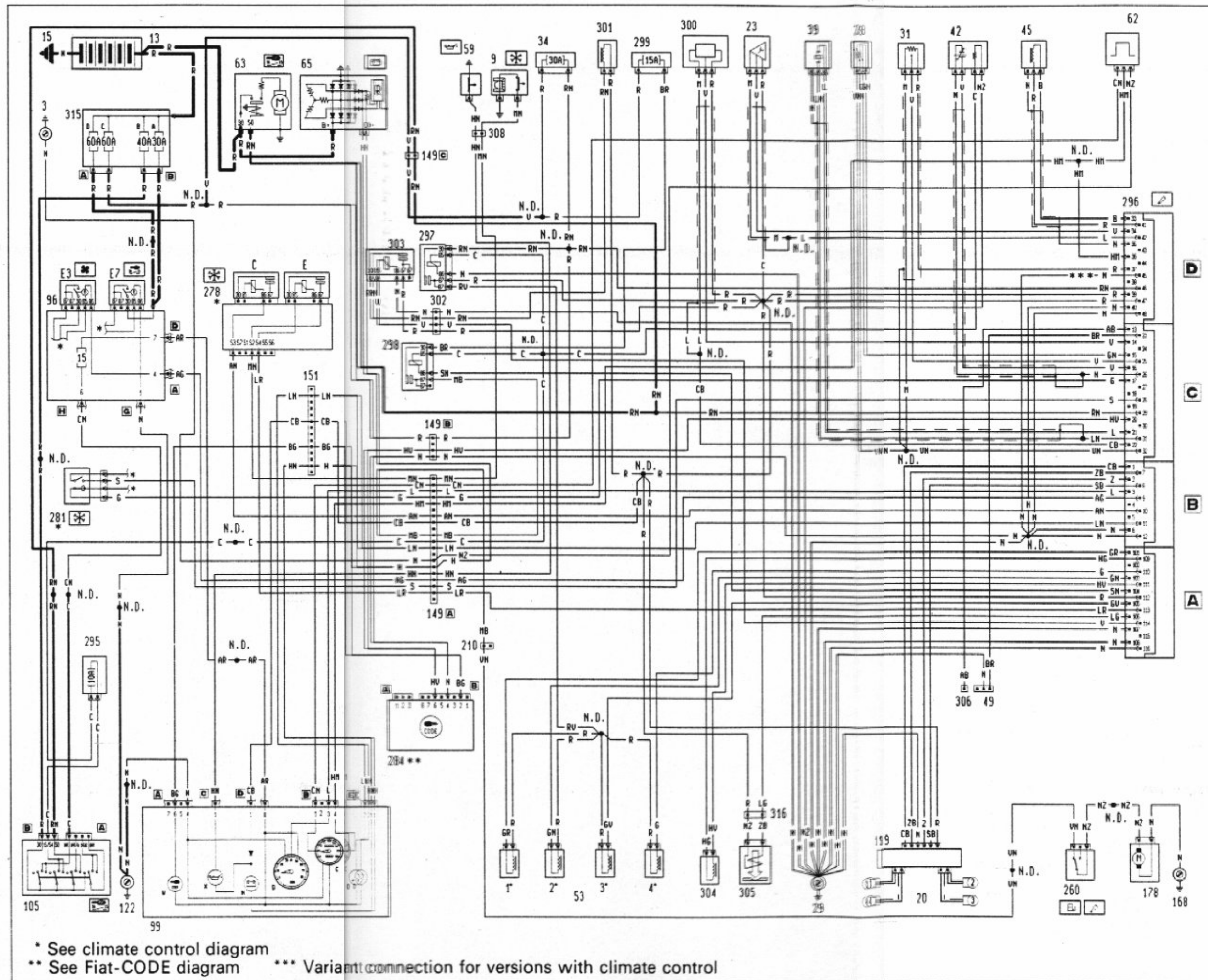
**149B** Connection between front and injection cables

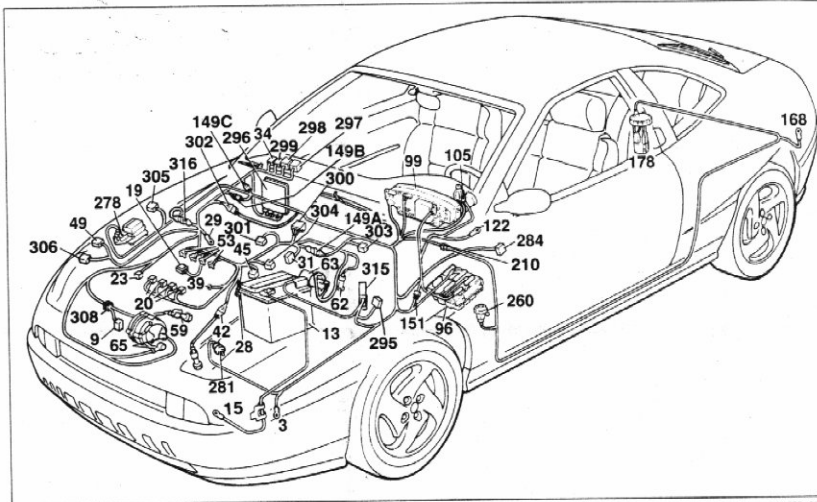


The cables in the wiring diagram are marked

P3N52BL01

Starting - Electronic injection and ignition - Recharging and warning light - Warning light signalling injection system failure - Insufficient engine oil pressure warning light - Warning light signalling Fiat-CODE failure - Rev counter - Speedometer - (See key at end of wiring diagrams)





P3N55R101

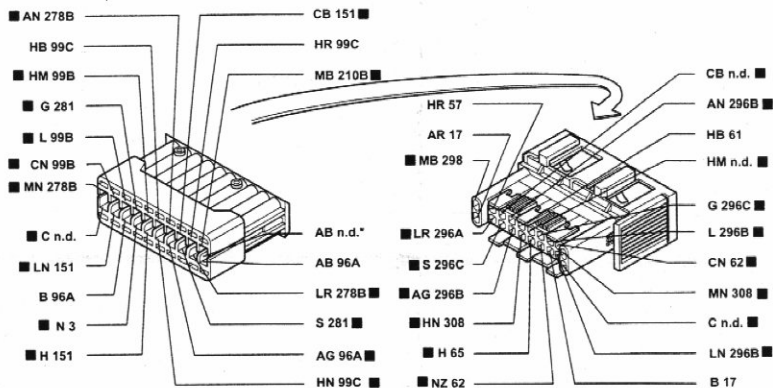
**Starting - Electronic injection and ignition - Recharging and warning light - Warning light signalling injection system failure - Insufficient engine oil pressure warning light - Warning light signalling Fiat-CODE failure Rev counter - Speedometer - (See key at end of wiring diagrams)**

### Components key

- 3 Left front earth
- 9 Compressor for air conditioning
- 13 Battery
- 15 Earth for battery
- 19 Power module
- 20 Spark plugs
- 23 Hall effect timing sensor
- 28 Engine coolant temperature signal sensor
- 29 Earth on engine
- 31 Butterfly valve potentiometer
- 34 30A fuse protecting the injection system
- 39 Detonation sensor
- 42 Heated Lambda sensor
- 45 Rpm and T.D.C. sensor
- 49 Diagnostic socket for injection system
- 53 Injectors
- 59 Switch signalling insufficient engine oil pressure
- 62 Impulse generator for speedometer signal
- 63 Starter motor
- 65 Alternator
- 96 Junction unit
- E3 Engine cooling radiator fan relay feed
- E7 Ignition discharge relay
- 99 Instrument panel :
  - C Speedometer
  - D Rev counter
  - N Battery recharging warning light
  - O Injection system failure warning light
  - W Fiat-CODE failure warning light
  - X Insufficient engine oil pressure warning light
- 105 Ignition switch
- 122 Earth on dashboard, driver's side
- 149A Connection between front and injection cables

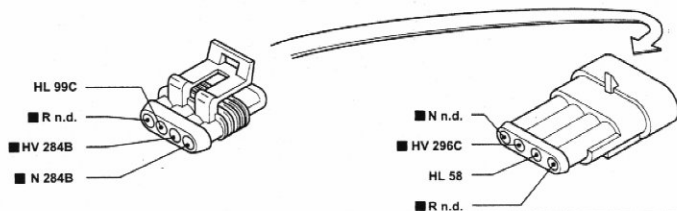
- 149B Connection between front and injection cables
- 149C Connection between front and injection cables
- 151 Connection between dashboard and front cables
- 168 Rear earth
- 178 Electric fuel pump
- 210 Connection between front and rear cables
- 260 Inertia switch for switching off electric fuel pump
- 278 Fuse and relay control unit for climate control
  - C Relay for engaging radiator fan high speed
  - D Relay for engaging climate control system
  - E Relay for engaging compressor
  - F 7.5A fuse for protecting system
- 281 Three stage pressure switch for air conditioning
- 284 Fiat-CODE control unit
- 296 10A fuse protecting Fiat-CODE device
- 296 Injection/ignition electronic control unit
- 297 Injection system relay feed
- 298 Electric fuel pump relay feed
- 298 15A fuse protecting electric fuel pump
- 300 Air flow meter
- 301 Phase transformer control actuator
- 302 Cable connection with phase transformer
- 303 Phase transformer relay feed
- 304 Idle adjustment actuator
- 305 Petrol vapour recirculation solenoid valve (Canister)
- 306 Diagnostic socket for injection system
- 308 Connection between injection cable and compressor cable/oil pressure switch
- 315 Maxi power fuse control unit
  - A 30A protective fuse for injection system
  - B 40A protective fuse for ignition system
  - C 60A protective fuse for junction unit
  - D 60A protective fuse for injection system
- 316 Connection between front and injection cables (Canister)

#### 149A Connection between front and injection cables

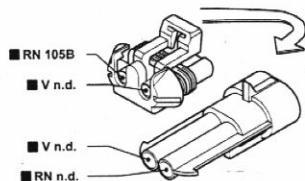


\* Exists only for versions with an alarm

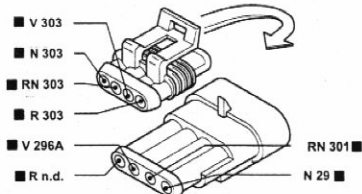
#### 149B Connection between front and injection cables



#### 149C Connection between front and injection cables



#### 302 Connection between injection and phase transformer cables

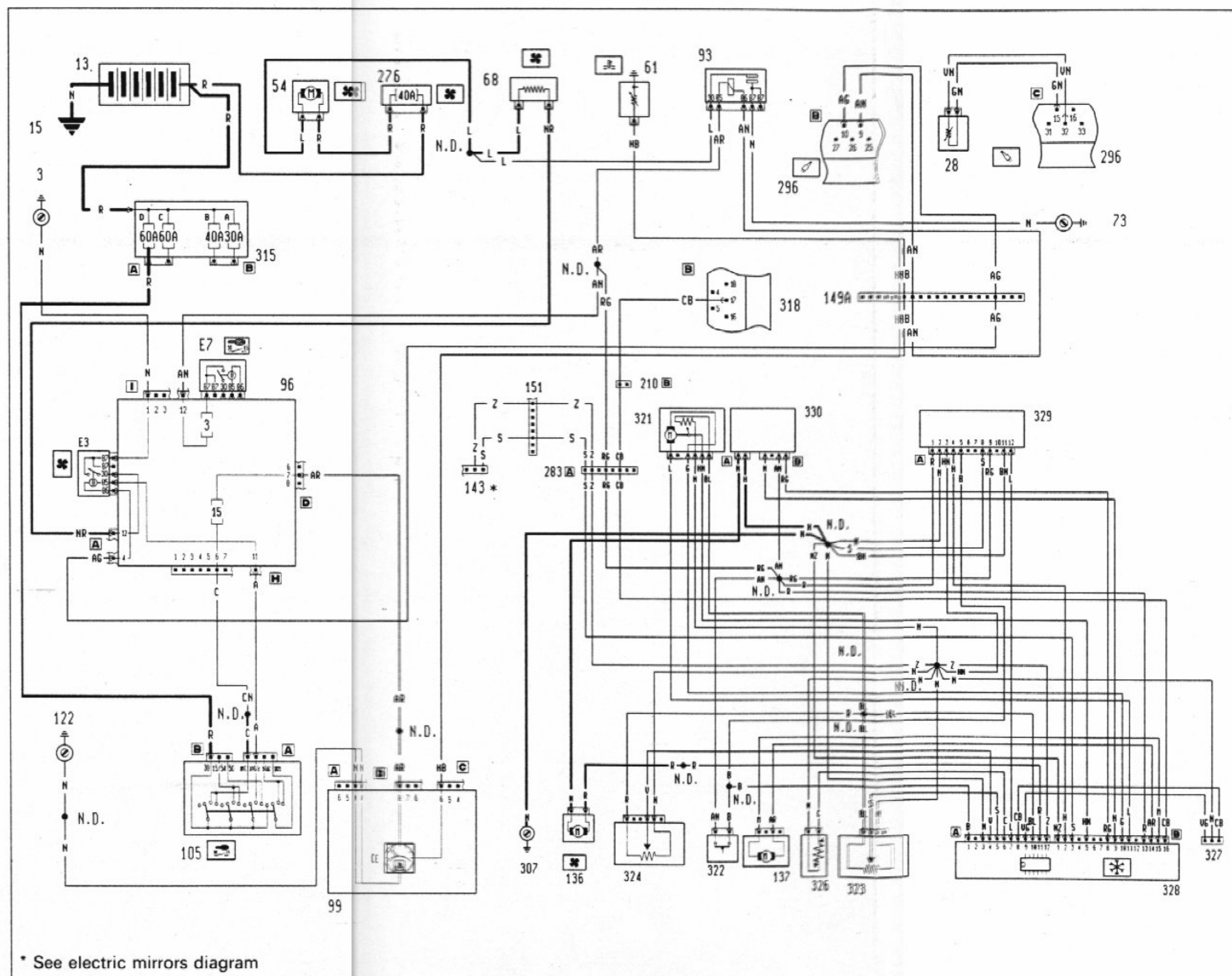


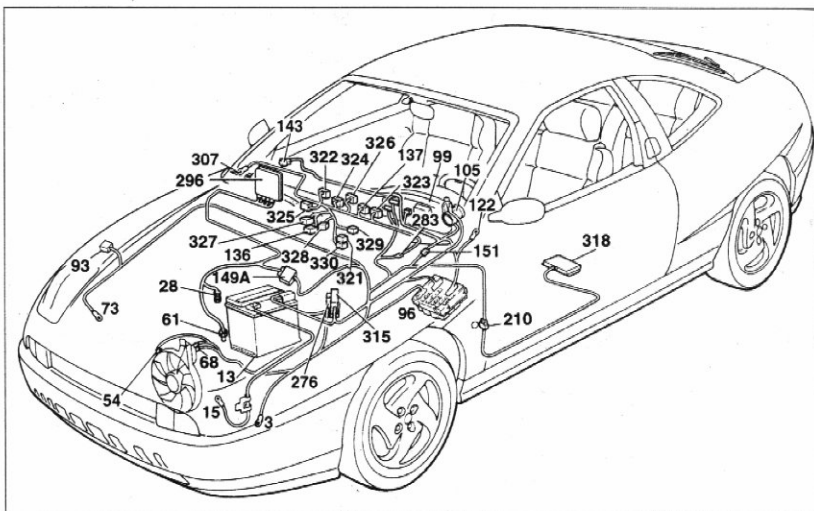
The cables in the wiring diagram are marked

P3N56RL01



**Engine cooling without climate control - Automatic heater device- Water temperature gauge - (See key at end of wiring diagrams)**





P3N59RL01

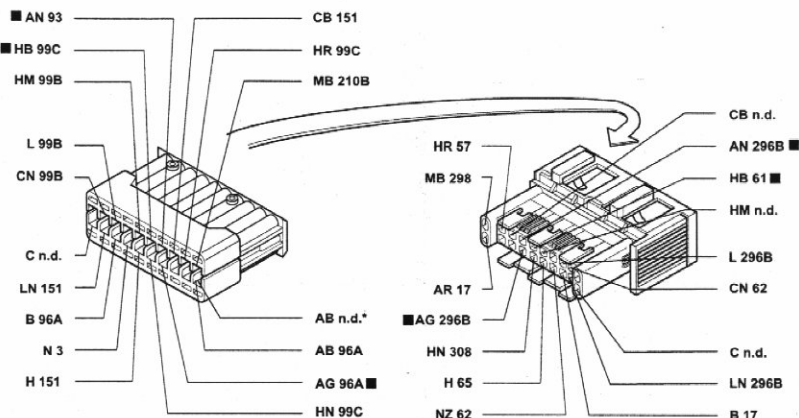
## Engine cooling without climate control - Automatic heater device - Water temperature gauge

### Components key

- |  |  |
|--|--|
| 3 Left front earth                                     | 210 Connection between front and rear cables                         |
| 13 Battery   | 276 40A fuse protecting engine cooling fan                           |
| 15 Earth for battery                                   | 283 Connection between engine compartment and climate control cables |
| 28 Sensor signalling engine coolant temperature        | 296 Injection/ignition electronic control unit                       |
| 61 Engine coolant temperature sender unit              | 307 Earth for climate control/heater                                 |
| 68 Engine cooling fan speed adjustment resistor        | 315 Maxi power fuse control unit                                     |
| 73 Right front earth                                   | A 30A protective fuse for injection system                           |
| 93 Relay for engaging 1st electric fan speed           | B 40A protective fuse for ignition system                            |
| 96 Junction unit:                                      | C 60A protective fuse for junction unit                              |
| E3 Engine cooling radiator fan relay feed              | D 60A protective fuse for injection system                           |
| E7 Ignition discharge relay                            | 318 ABI control unit   |
| 99 Instrument panel.                                   | 322 MAX/DEF switch   |
| E Water temperature gauge                              | 321 Car interior air mixture control actuator                        |
| 105 Ignition switch                                    | 323 Air temperature potentiometer                                    |
| 122 Earth on dashboard, driver's side                  | 324 Car interior ventilation potentiometer                           |
| 136 Car interior heater fan                            | 325 Minimum N.T.C. sensor (frost)                                    |
| 137 Car interior air recirculation actuator            | 326 Treated air sensor   |
| 143 Connection between dashboard and right door cables | 327 Diagnostic socket for heater/climate control                     |
| 149A Connection between front and injection cables     | 328 Heater/climate control control unit                              |
| 151 Connection between dashboard and front cables      | 329 A/C heater/climate control recirculation control                 |
|  | 330 Car interior ventilation electronic variator                     |

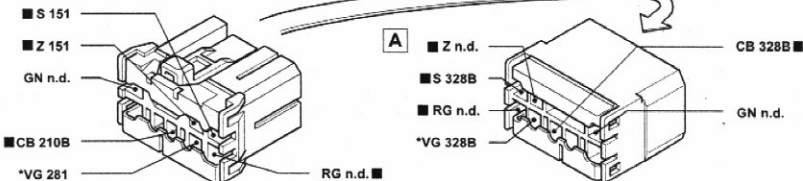


### 149A Connection between front and injection cables (version with heater)

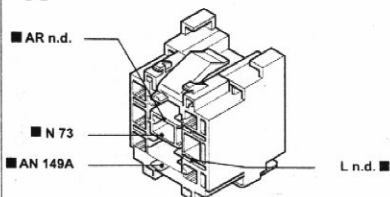


\* Exists only for versions with an alarm

### 283 Connection between engine compartment and climate control cables



### 93 Relay for engaging 1st electric fan speed

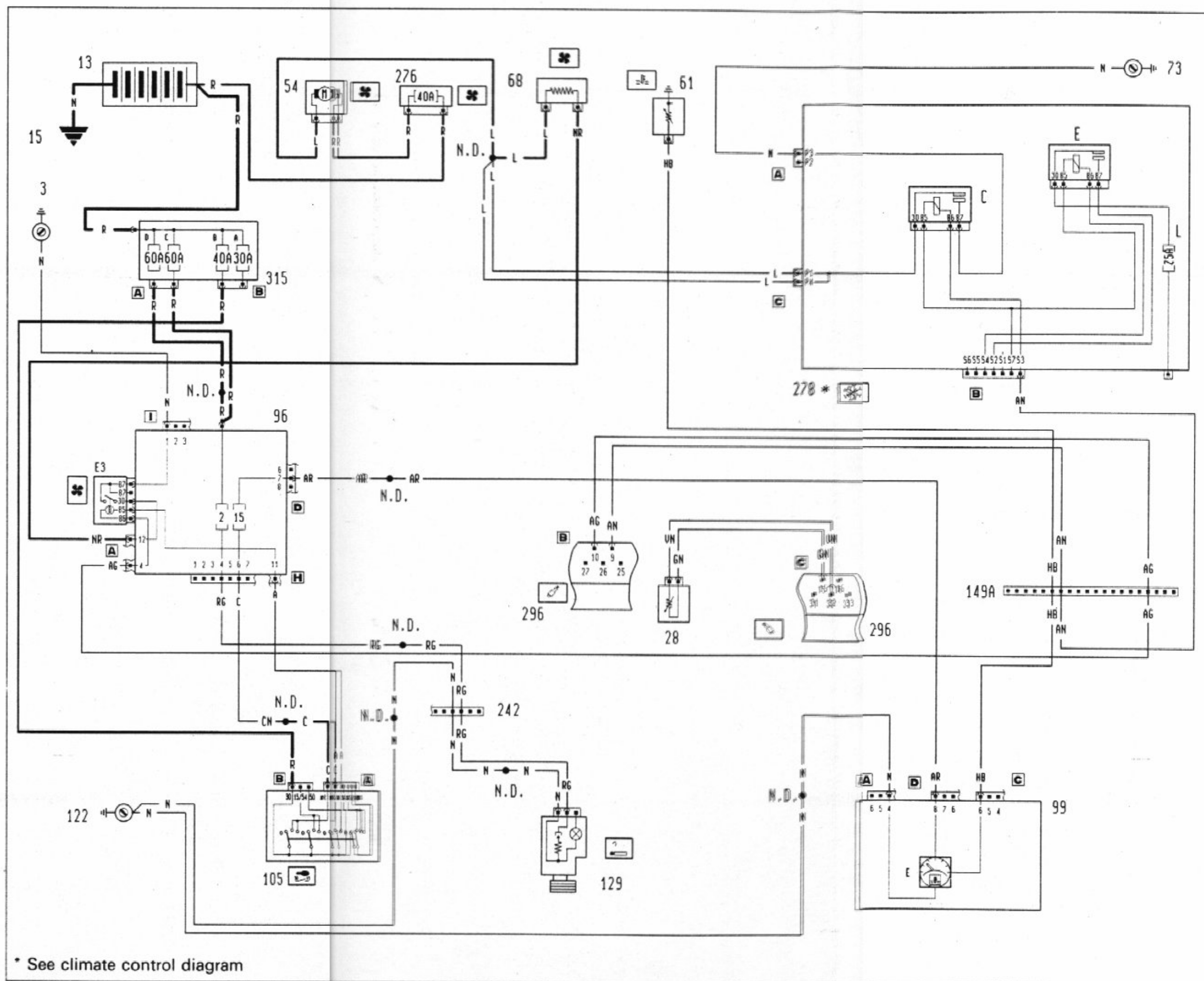


\* Exists only for versions with climate control

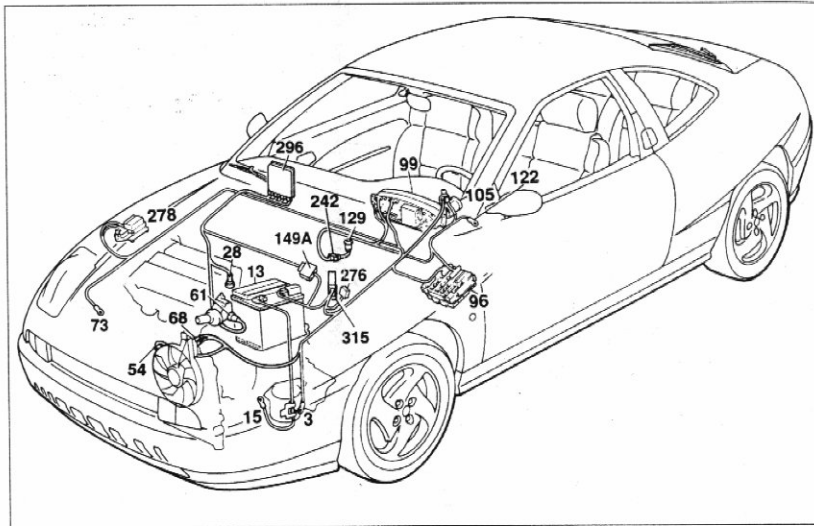
The cables in the wiring diagram are marked

P3N60R101

Engine cooling with climate control - Cigar lighter - Water temperature gauge - (See key at end of wiring diagrams)



\* See climate control diagram



P3N63RL01

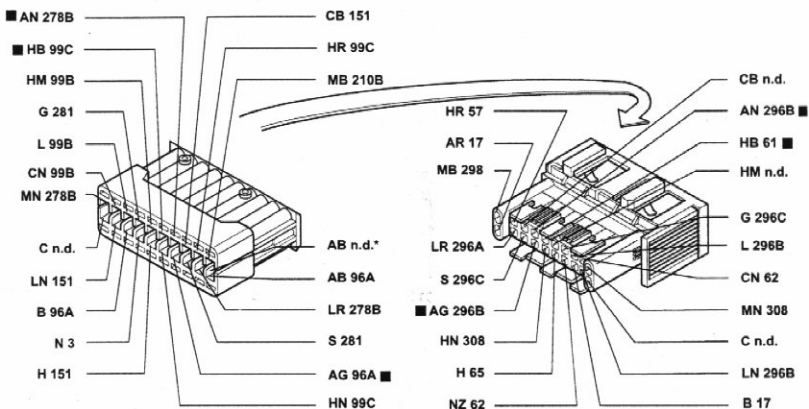
## Engine cooling with climate control - Cigar lighter - Water temperature gauge

### Components key

- |   |  |
|---|--|
| 3 Left front earth                                    | 242 Connection between dashboard and centre console cables |
| 13 Battery  | 276 40A fuse protecting engine cooling fan                 |
| 15 Earth for battery                                  | 278 Fuse and relay control unit for climate control:       |
| 28 Engine coolant temperature sensor                  | C Relay for engaging radiator cooling fan high speed       |
| 54 Engine cooling fan                                 | D Relay for engaging climate control system                |
| 61 Engine coolant temperature sender unit             | E Relay for engaging compressor                            |
| 68 Resistor for engaging low engine cooling fan speed | F 7.5A fuse protecting system                              |
| 73 Right front earth                                  | 296 Injection/ignition electronic control unit             |
| 96 Junction unit                                      | 315 Maxi power fuse control unit                           |
| E3 Engine radiator cooling fan relay feed             | A 30A protective fuse for injection system                 |
| 99 Instrument panel                                   | B 40A protective fuse for ignition system                  |
| E Engine coolant temperature warning light            | C 60A protective fuse for junction unit                    |
| 105 Ignition switch                                   | D 60A protective fuse for injection system                 |
| 122 Earth on bodyshell, driver's side                 |  |
| 129 Cigar lighter                                     |  |
| 149A Connection between front and injection cables    |  |

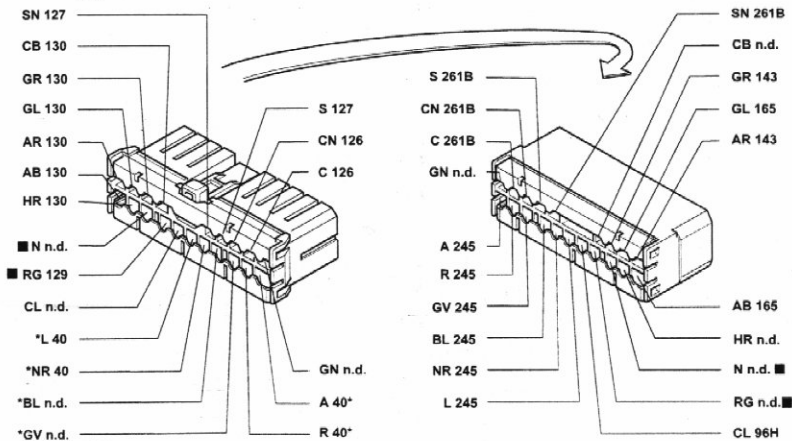
### 55.

#### 149A Connection between front and injection cables (version with climate control)



\* Exists only for versions with an alarm

#### 242 Connection between dashboard and centre console cables

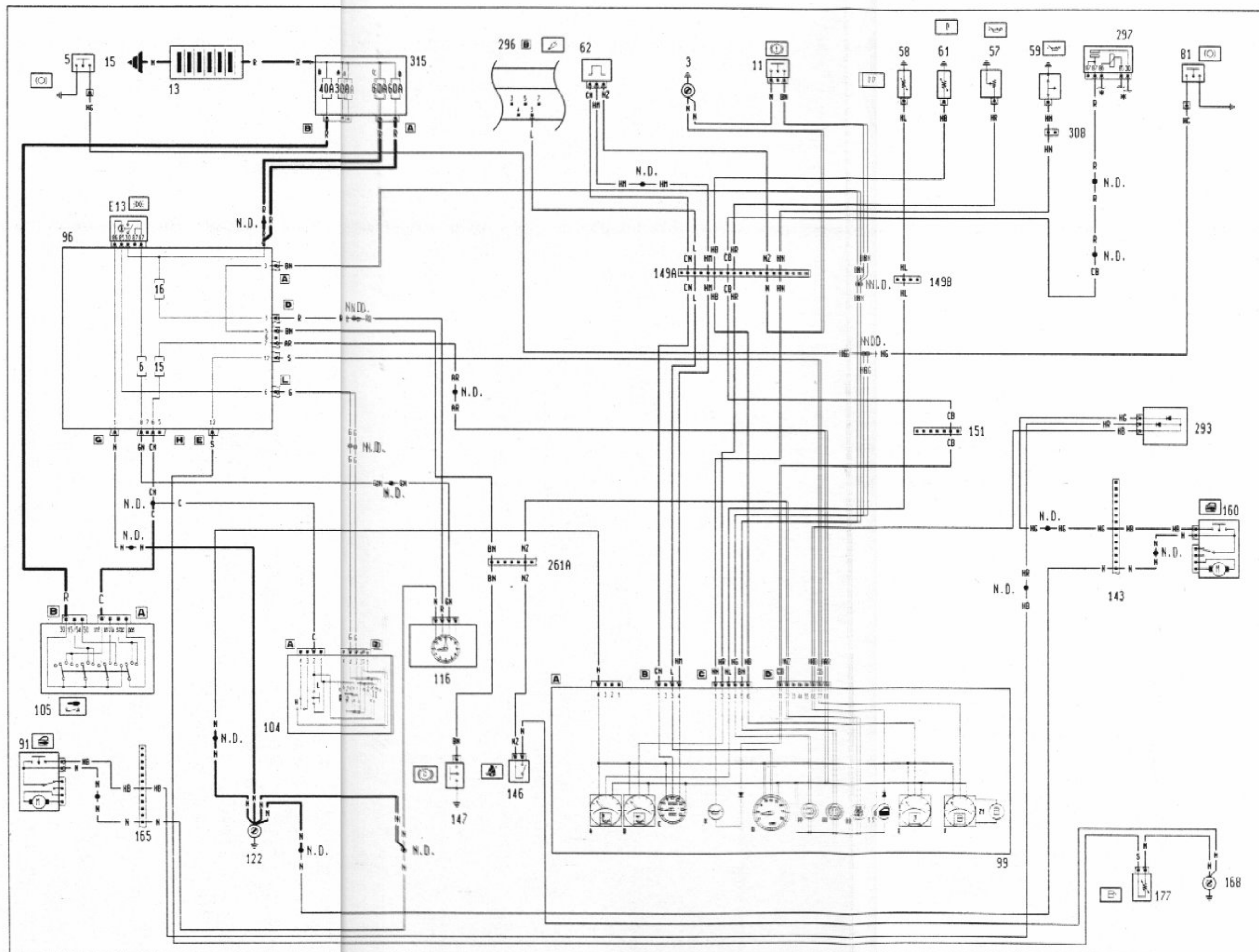


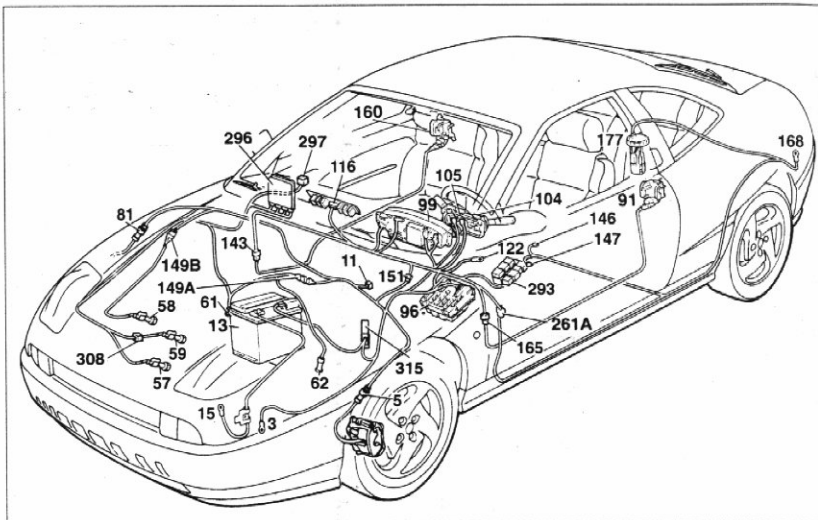
\* Exists only for versions with an electrically operated sun roof

The cables in the wiring diagram are marked

P3N64RLOT

Fuel level gauge and reserve warning light - Engine oil temperature gauge - Insufficient engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Engine oil pressure gauge - Insufficient brake fluid and handbrake warning light - Seat belt unfastened warning light - Doors ajar warning light - Rev counter - Speedometer - Clock - (See key at end of wiring diagrams)





P3N67RL01

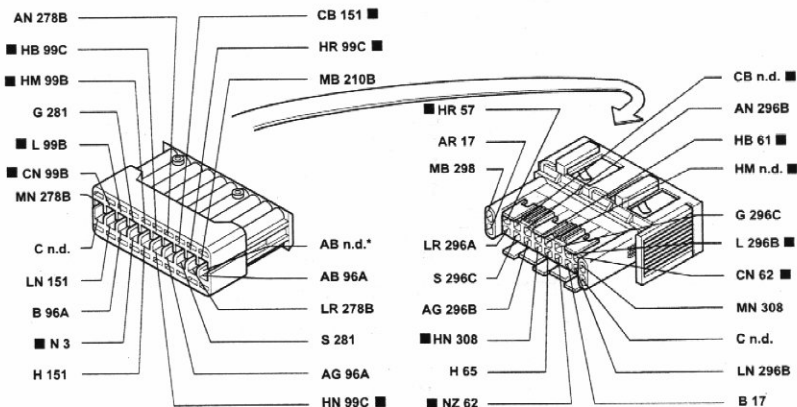
**Fuel level gauge and reserve warning light - Engine oil temperature gauge - Insufficient engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Engine oil pressure gauge - Insufficient brake fluid and handbrake warning light - Seat belt unfastened warning light - Door ajar warning light - Rev counter - Speedometer - Clock**

### Components key

- |  |   |
|--|---|
| 3 Left front earth   | 104 Steering column switch unit   |
| 5 Left front brake pad wear sensor                           | 105 Ignition switch   |
| 11 Insufficient brake fluid level sensor                     | 116 Clock   |
| 13 Battery   | 122 Earth on bodyside, driver's side  |
| 15 Earth for battery   | 143 Connection between dashboard and right door cable                           |
| 57 Engine oil pressure sender unit                           | 146 Switch signalling seat belts not fastened                                   |
| 58 Engine oil temperature sender unit                        | 147 Switch signalling handbrake applied   |
| 59 Switch signalling insufficient engine oil pressure        | 149A Connection between front and injection cables                              |
| 61 Engine coolant temperature sender unit                    | 149B Connection between front and injection cables                              |
| 62 Impulse generator for speedometer signal                  | 151 Connection between front and dashboard cables                               |
| 81 Right front brake pad wear sensor                         | 160 Right central locking geared motor and door ajar signal                     |
| 91 Left central locking geared motor and door ajar signal    | 165 Connection between dashboard and left door cables                           |
| 96 Junction unit   | 168 Rear earth  |
| E13 Side lights relay feed                                   | 177 Fuel level gauge  |
| 99 Instrument panel:   | 261A Connection between dashboard and rear cables                               |
| A Oil temperature gauge                                      | 293 Two diode container   |
| B Engine oil pressure gauge                                  | 296 Injection/ignition electronic control unit                                  |
| C Speedometer  | 297 Injection system relay feed   |
| D Rev counter  | 308 Connection between injection cable and compressor cable/oil pressure switch |
| E Water temperature gauge                                    | 315 Maxi power fuse control unit  |
| F Fuel level gauge   | A 30A protective fuse for injection system                                      |
| P Brake pad wear warning light                               | B 40A protective fuse for ignition system                                       |
| Q Handbrake warning light and insufficient brake fluid level | C 60A protective fuse for junction unit   |
| R Seat belt unfastened warning light                         | D 60A protective fuse for injection system                                      |
| S Doors ajar warning light                                   |   |
| X Insufficient engine oil pressure warning light             |   |
| Z1 Fuel reserve warning light                                |   |

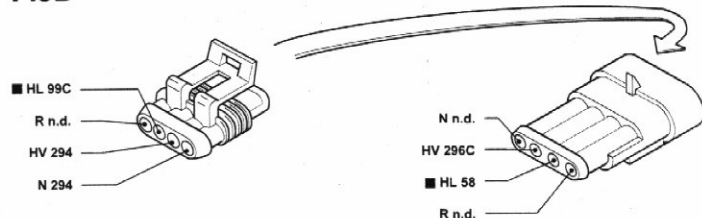


#### 149A Connection between front and injection cables

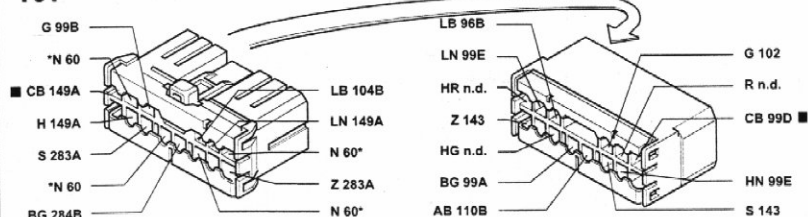


\* Exists only for versions with an alarm

#### 149B Connection between front and injection cables



#### 151 Connection between dashboard and front cables



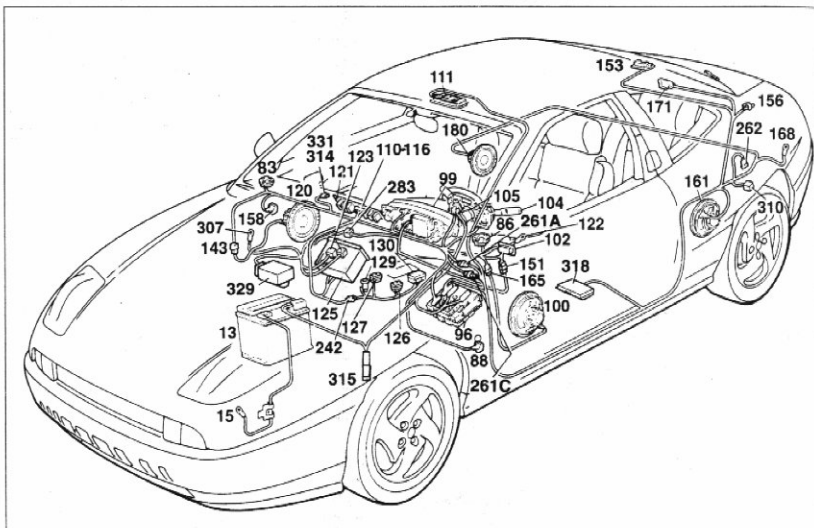
\* Exits only for versions with an alarm

The cables in the wiring diagram are marked

P3N68RL01







P3N71RL01

**Vehicle interior lights - Ideogram lights - Glove compartment light - Luggage compartment light - Preparation for radio with amplified aerial - Cigar lighter**

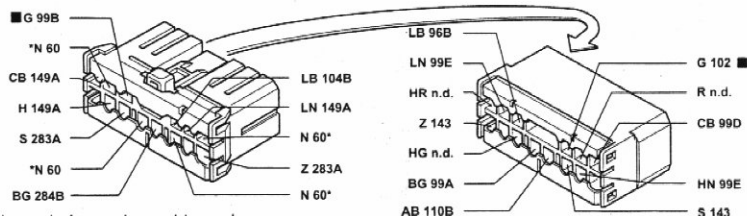
**Components key**

- 13 Battery
- 15 Earth for battery
- 83 Right front speaker
- 86 Left front speaker
- 88 Left front courtesy light push button
- 96 Junction unit
- E13 Side lights relay feed
- 99 Instrument panel
- 100 Speaker in left door
- 102 Ideogram light dimmer
- 104 Steering column switch unit
- 105 Ignition switch
- 110 Switch control unit
- 111 Courtesy lights
- 116 Clock
- 120 Speaker in front door
- 121 Switch control unit ideograms light
- 122 Earth on bodyshell, driver's side
- 123 Climate control/heater controls light
- 125 Radio
- 126 Controls on centre console operating left electric window
- 127 Controls on centre console operating right electric window
- 129 Cigar lighter
- 130 Electrically adjusted external rear view mirrors control panel

- 143 Connection between dashboard and right door cables
- 151 Connection between front and dashboard cables
- 153 Luggage compartment bulb
- 156 Luggage compartment light push button
- 158 Right front courtesy light push button
- 161 Left rear speaker
- 165 Connection between dashboard and left door cables
- 168 Rear earth
- 171 Connection for aerial with amplifier wiring
- 180 Right rear speaker
- 242 Connection between dashboard and centre console cables
- 262 Preparation for compact-disc
- 261A Connection between dashboard and rear cable
- 261C Connection between dashboard and rear cable
- 283 Connection between engine compartment aerial/heater/climate control cables
- 307 Earth for climate control/heater
- 310 Connection for electric aerial wiring
- 314 Oddments pocket light control switch
- 315 Maxi power fuse control unit
  - A 30A protective fuse for injection system
  - B 40A protective fuse for ignition system
  - C 60A protective fuse for junction unit
  - D 60A protective fuse for injection system
- 318 ABL control unit
- 329 A/C heater/climate control recirculation control
- 331 Glove compartment light bulb

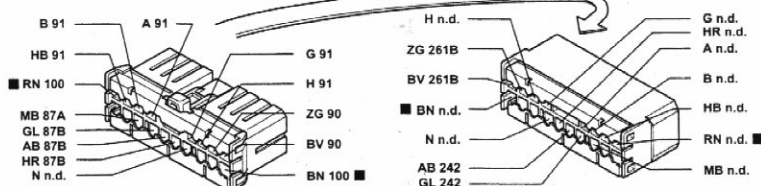
### 55.

#### 151 Connection between dashboard and front cables

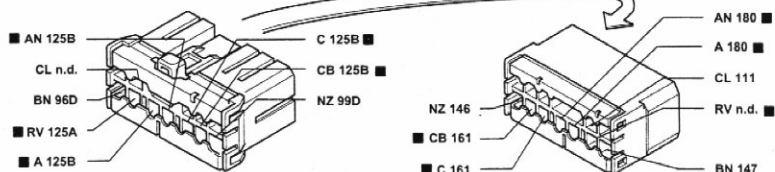


\* Exists only for versions with an alarm

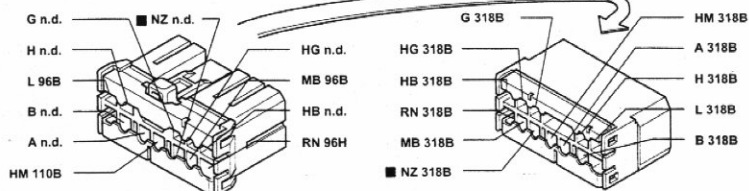
#### 165 Connection between dashboard and left door cables



#### 261A Connection between dashboard and rear cables



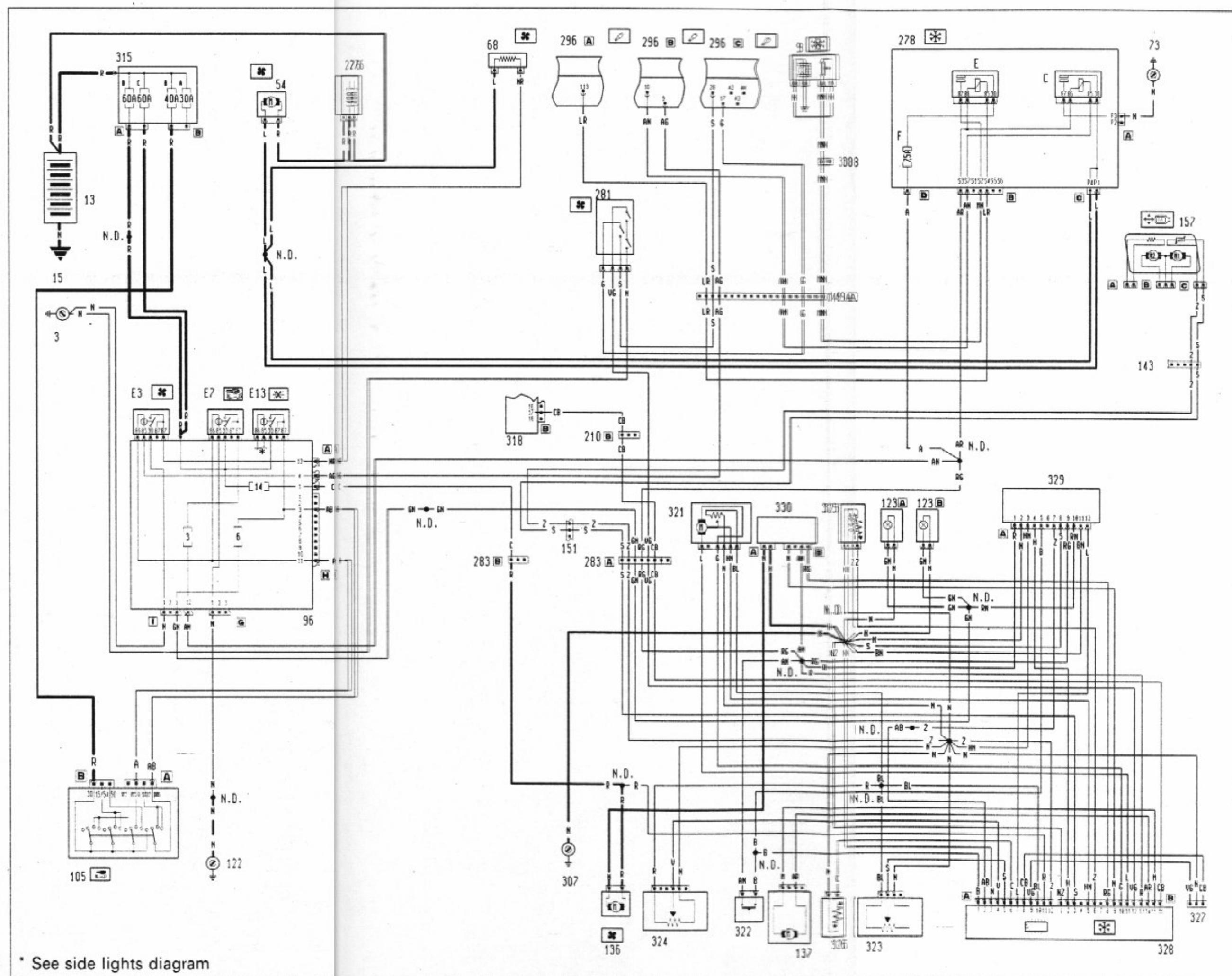
#### 261C Connection between dashboard and rear cables



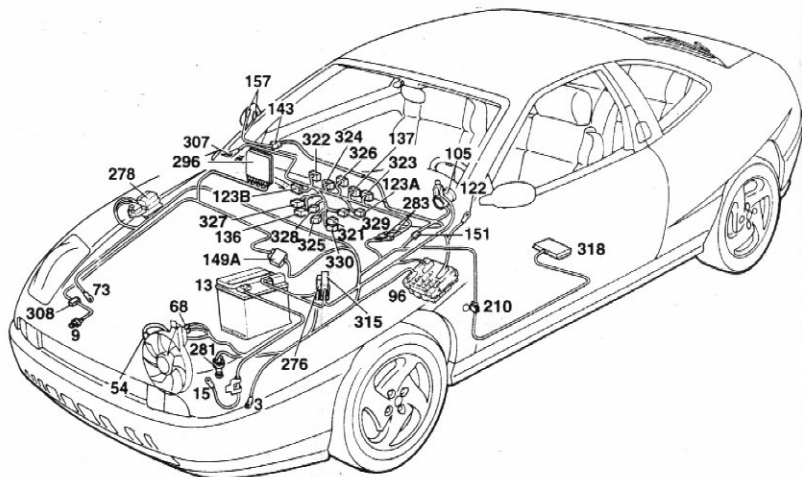
The cables in the wiring diagram are marked

P3N72RL01

Automatic air conditioning - (See key at end of wiring diagrams)



\* See side lights diagram



## Automatic air conditioning

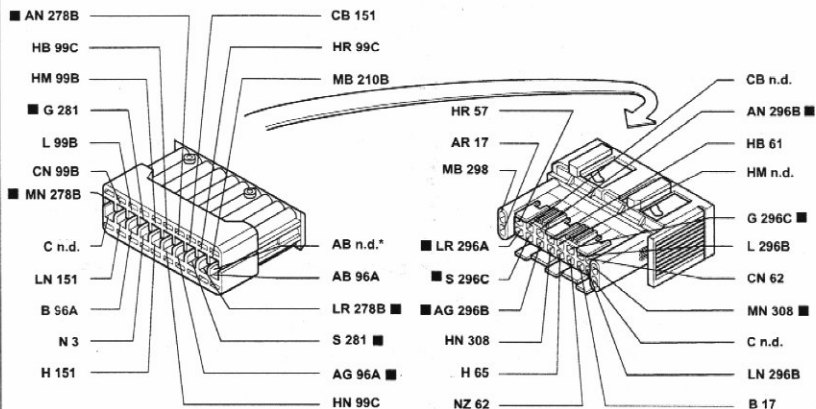
### Components key

- 3 Left front earth
- 9 Compressor for climate control
- 13 Battery
- 15 Earth for battery
- 54 Engine cooling fan
- 68 Resistor for engaging engine cooling fan low speed
- 73 Right front earth
- 96 Junction unit
  - E3 Engine cooling radiator fan relay feed
  - E7 Ignition discharge relay
  - E13 Side lights relay feed
- 105 Ignition switch
- 122 Earth on bodyshell, driver's side
- 23A Climate control/heater controls light
- 23B Climate control/heater controls light
- 136 Car interior heater fan
- 137 Car interior air recirculation actuator
- 143 Connection btwn dashboard & right door cables
- 49A Connection between front and injection cables
- 151 Connection between front and dashboard cables
- 157 Right electrically adjustable, heated external rear view mirror
- 210 Connection between front and rear cables
- 276 40A fuse protecting engine cooling fan

- 278 Fuse and relay control box for climate control
  - C Relay for engaging radiator fan high speed
  - D Relay for engaging climate control system
  - E Relay for engaging compressor
  - F 7.5A protective fuse for system
- 281 Three stage pressure switch for climate control
- 283 Connection between engine compartment and climate control cables
- 296 Injection/ignition electronic control unit
- 307 Earth for climate control/heater
- 308 Connection between injection cable and compressor cable/oil pressure switch
- 315 Maxi power fuse control unit
  - A 30A protective fuse for injection system
  - B 40A protective fuse for ignition system
  - C 60A protective fuse for junction unit
  - D 60A protective fuse for injection system
- 318 ABI control unit
- 321 Car interior air mixture control actuator
- 322 MAX/DEF control switch
- 323 Air temperature potentiometer
- 324 Vehicle interior ventilation potentiometer
- 325 Minimum N.T.C. sensor (frost)
- 326 Treated air sensor
- 327 Diagnostic socket for heater/climate control
- 328 Heater/climate control control unit
- 329 A/C heater/climate control recirculation control
- 330 Vehicle interior ventilation electronic variator

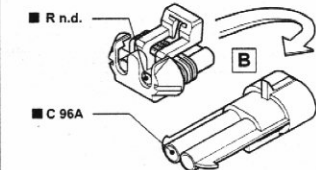
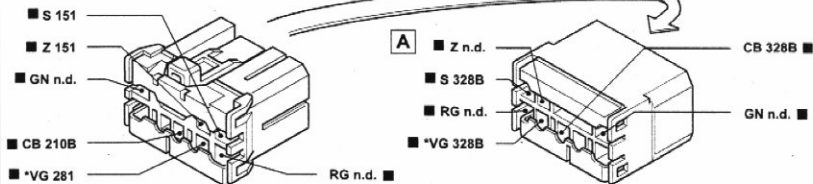
### 55.

#### 149A Connection between front and injection cables (version with climate control)



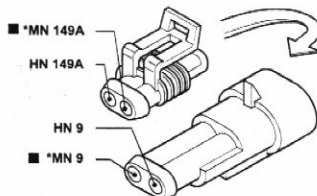
\* Exists only for versions with alarm

#### 283 Connection between engine compartment and climate control cables



\* Exists only for versions with climate control

#### 308 Connection between injection cable and compressor cable/oil pressure switch



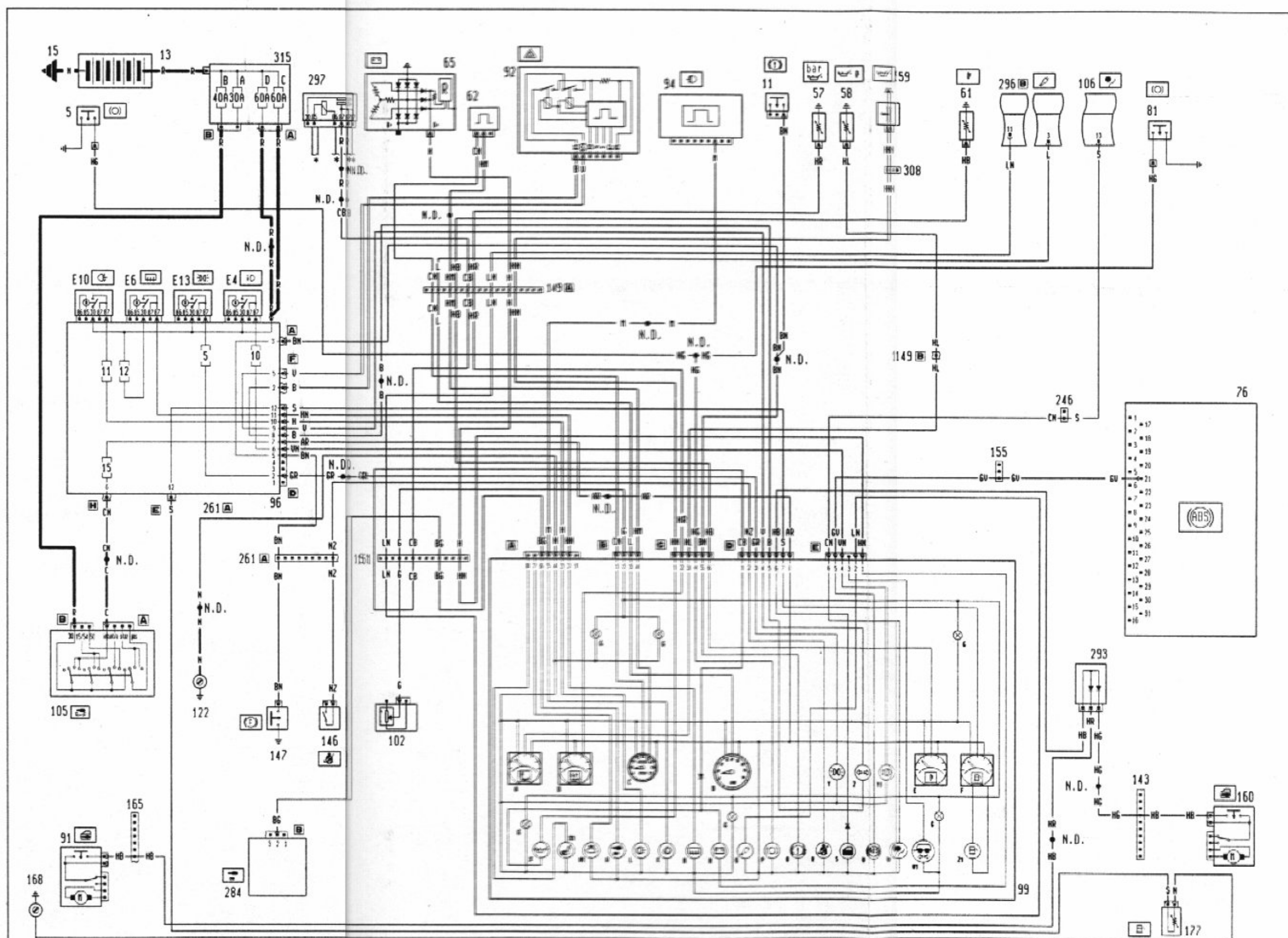
\* Exists only for versions with climate control

The cables in the wiring diagram are marked

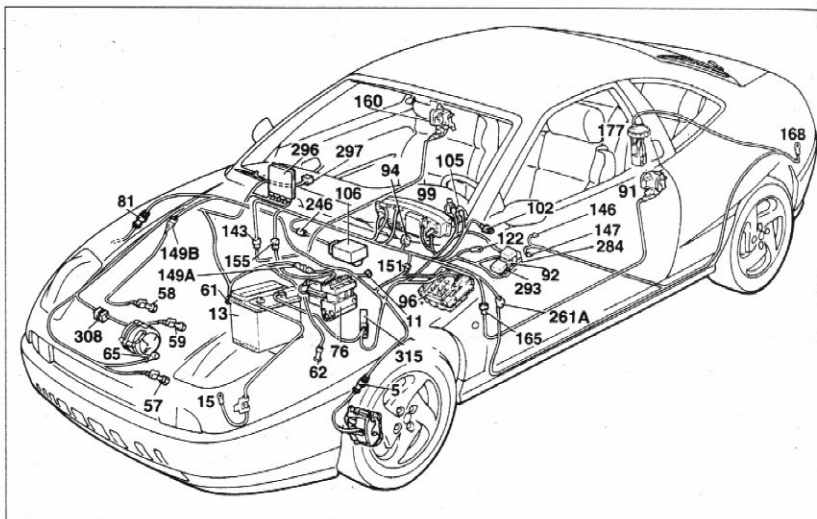
P3N76RL01



Instrument panel connections - (See key at end of wiring diagrams)



\* See starting diagram



P3N79RL01

## Instrument panel connections

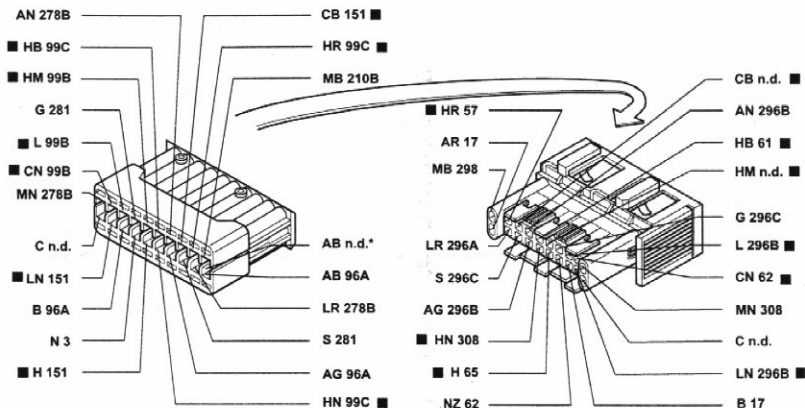
### Components key

- 5 Left front brake pad wear sensor
- 11 Insufficient brake fluid level sensor
- 13 Battery
- 15 Earth for battery
- 57 Engine oil pressure sender unit
- 58 Engine oil temperature sender unit
- 59 Switch signalling insufficient engine oil pressure
- 61 Engine coolant temperature sender unit
- 62 Impulse generator for speedometer signal
- 65 Alternator
- 76 Electronic control unit for anti-lock brakes (A.B.S.)
- 81 Right front brake pad wear sensor
- 91 Left central locking geared motor and door ajar signal
- 92 Hazard warning lights timer
- 94 Rear fog lamps electronic control unit
- 96 Junction unit
  - E4 Main beam headlamps relay feed
  - E6 Heated rear windscreen relay feed
  - E10 Rear fog lamps relay feed
  - E13 Side lights relay feed
- 99 Instrument panel (see key at end of wiring diagrams)
- 102 Ideogram light dimmer
- 105 Ignition switch
- 106 EURO-BAG electronic control unit

- 122 Earth on bodyshell, driver's side
- 143 Connection between dashboard and right door cables
- 146 Switch signalling seat belts not fastened
- 147 Switch signalling handbrake applied
- 149A Connection between front and injection cable
- 149B Connection between front and injection cable
- 151 Connection between front and dashboard cable
- 155 Connection between dashboard and anti-lock brakes cables
- 160 Right central locking geared motor and door ajar signal
- 165 Connection between dashboard and left door cables
- 168 Rear earth
- 177 Fuel level gauge
- 246 Connection between dashboard cable and EURO-BAG device
- 261A Connection between dashboard and rear cable
- 284 Fiat-CODE electronic control unit
- 293 Two diode container
- 296 Injection/ignition electronic control unit
- 297 Injection system relay feed
- 308 Connection between injection cable and compressor cable/oil pressure switch
- 315 Maxi power fuse control unit
  - A 30A protective fuse for injection system
  - B 40A protective fuse for ignition system
  - C 60A protective fuse for junction unit
  - D 60A protective fuse for injection system

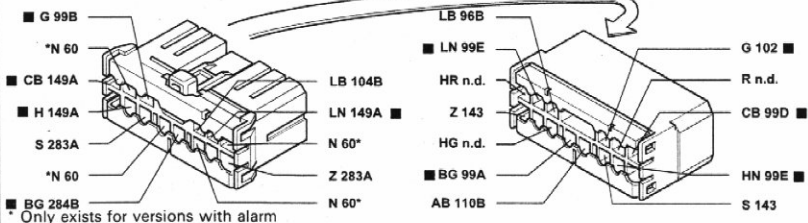
### 55.

#### 149A Connection between front and injection cables



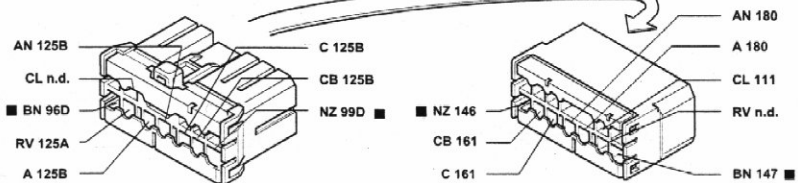
\* Only exists for versions with alarm

#### 151 Connection between dashboard and front cables



\* Only exists for versions with alarm

#### 261A Connection between dashboard and rear cables

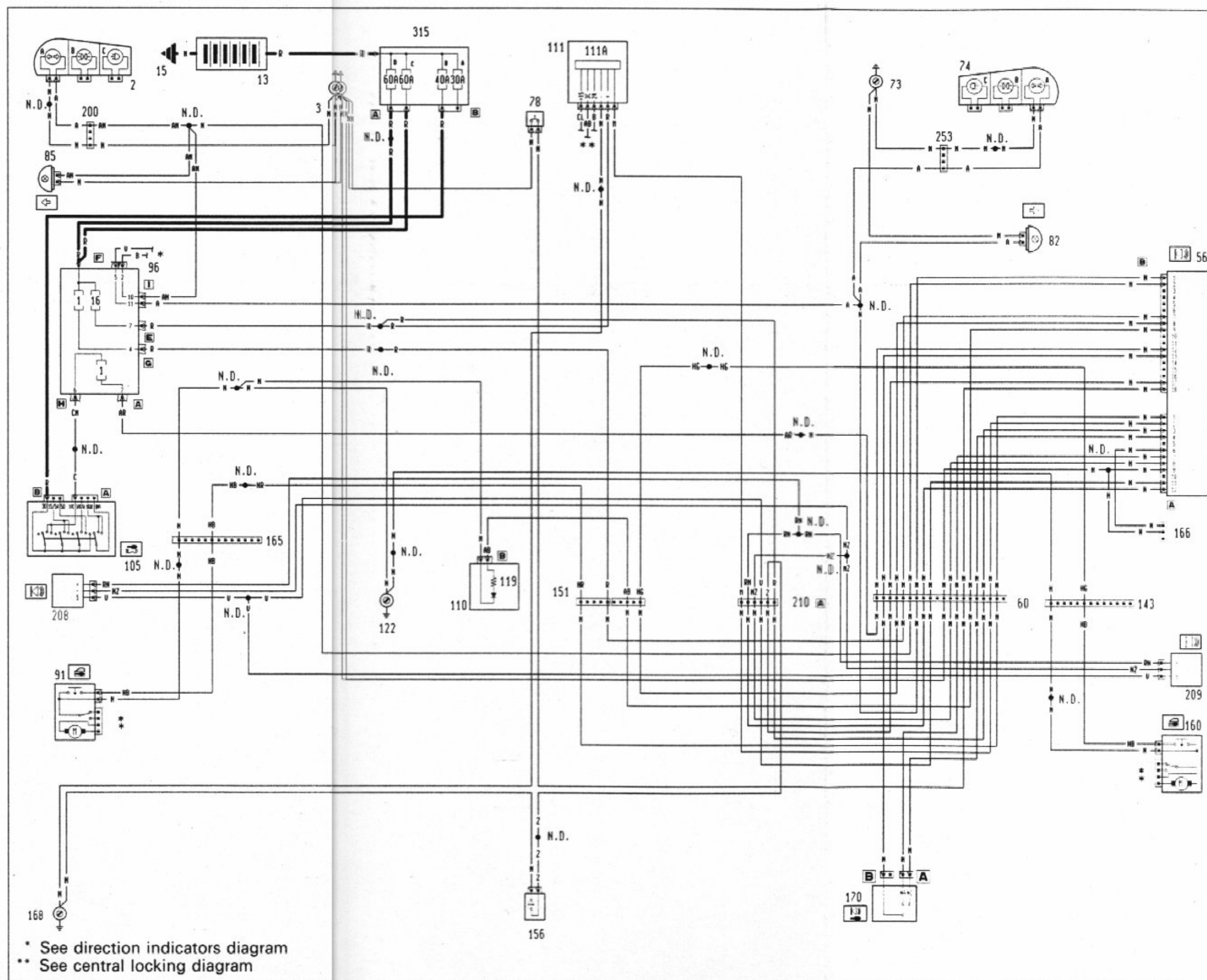


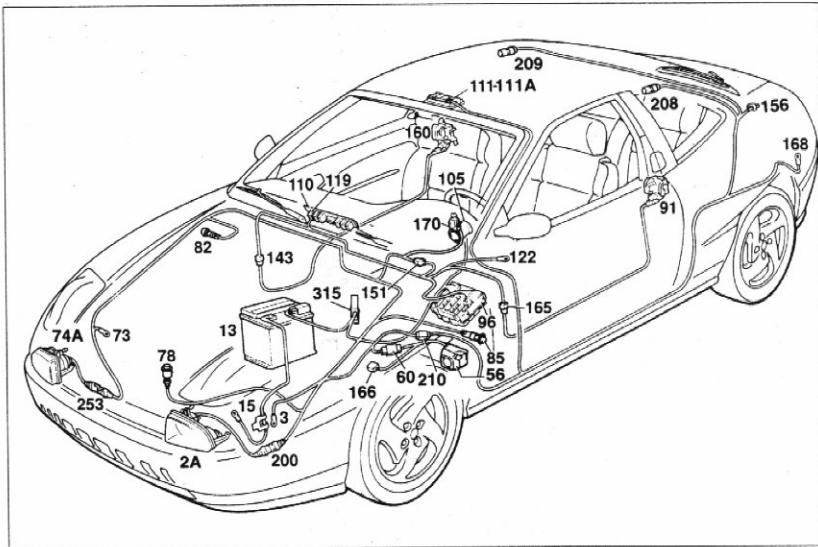
The cables in the wiring diagram are marked

P3N80R101



Alarm and warning light - (See key at end of wiring diagrams)





P3N83RL01

## Alarm and warning light

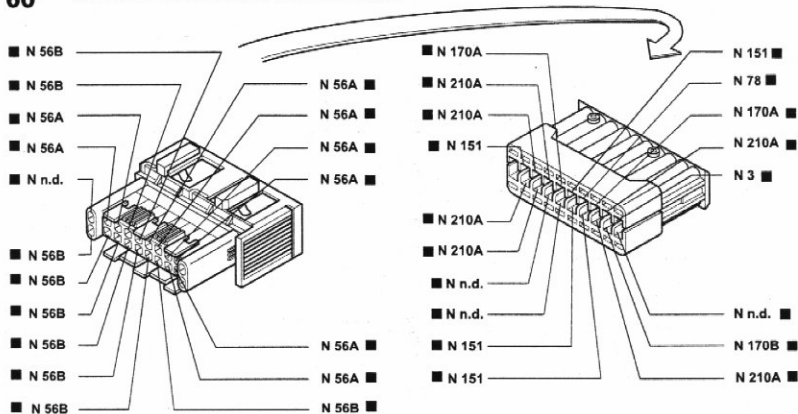
### Components key

- |   |   |
|---|---|
| 2 Left front light cluster                                | 122 Earth on bodyshell, driver's side                             |
| A Direction indicator                                     | 143 Connection between dashboard and right door cables            |
| 3 Left front earth  | 151 Connection between front and dashboard cables                 |
| 13 Battery  | 156 Luggage compartment light push button                         |
| 15 Earth for battery                                      | 160 Right central locking geared motor and door ajar signal       |
| 56 Alarm electronic control unit                          | 165 Connection between dashboard and left door cables             |
| 60 Connection between front cable and alarm cable         | 166 Diagnostic socket for alarm                                   |
| 73 Right front earth                                      | 168 Rear earth  |
| 74 Right front light cluster                              | 170 Alarm device off switch                                       |
| A Direction indicator                                     | 200 Connection between front and left front light cluster cables  |
| 78 Push button on bonnet lid engaging alarm               | 208 Right volumetric sensor for alarm                             |
| 82 Right front side direction indicator                   | 209 Left volumetric sensor for alarm                              |
| 85 Left front side direction indicator                    | 210 Connection between front and rear cables                      |
| 91 Left central locking geared motor and door ajar signal | 253 Connection between front and right front light cluster cables |
| 96 Junction unit  | 315 Maxi power fuse control unit                                  |
| 105 Ignition switch                                       | A 30A protective fuse for injection system                        |
| 110 Switch control unit                                   | B 40A protective fuse for ignition system                         |
| 111 Courtesy lights                                       | C 60A protective fuse for junction unit                           |
| 111A Central locking remote control receiver              | D 60A fuse protecting injection system                            |
| 119 Alarm on warning light                                |   |

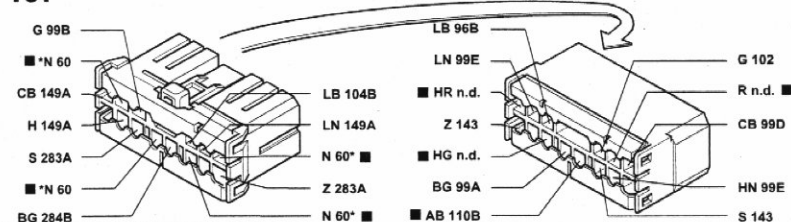
**55.**

## 60

### Connection between front and alarm cables

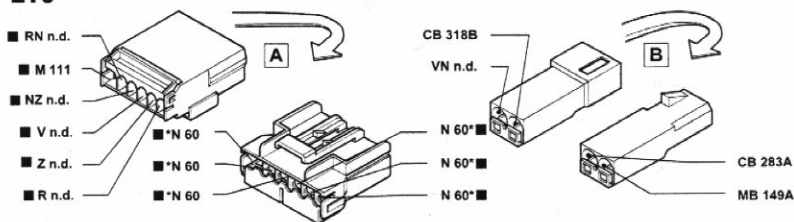


## 151 Connection between dashboard and front cables



\* Only exists for versions with alarm

## 210 Connection between front and rear cables

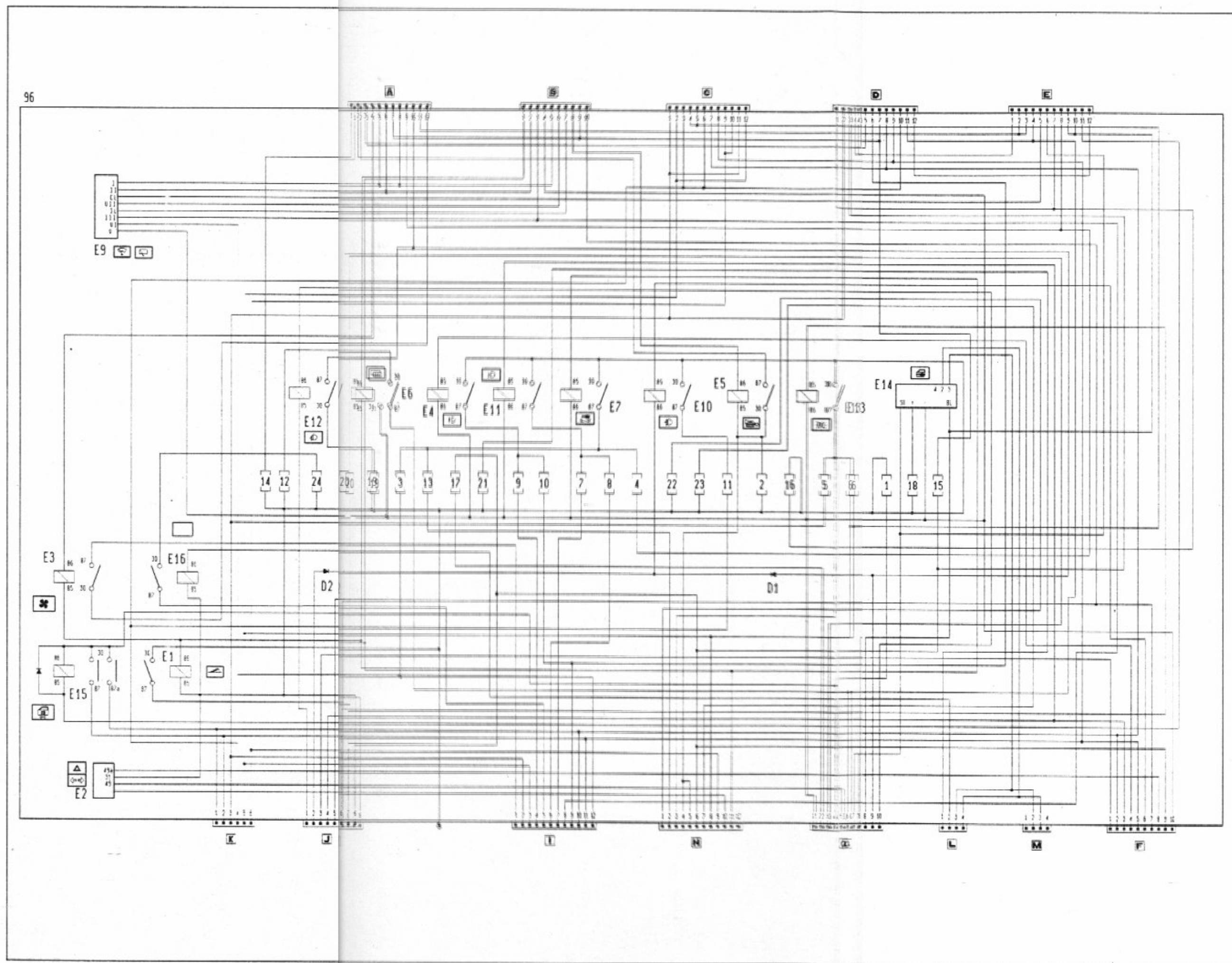


\* Only exists for versions with alarm

The cables in the wiring diagram are marked

P3N84RL01

Junction unit - (See key at end of wiring diagrams)



DESCRIPTION	ENGINE TYPE TRIM LEVEL
	16v MY 96
Side lights and warning light - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights	5
Direction indicators and warning light - Hazard warning lights and warning light - Brake lights - Reversing light	7
Fog lights and warning light - Rear fog lamp and warning light	9
Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear windscreen and warning light	11
Fiat-CODE device and failure warning light	13
Electric windows	15
Central locking - Doors ajar warning light	17
Anti-lock brakes and failure warning light	19
Electrically adjustable, heated external rear view mirrors	21
EURO-BAG device and failure warning light	23
Electric sun roof - Headlamp alignment correction device	25
Diagnostic socket connections	27
Starting - Electronic injection and ignition - Recharging and warning light - Warning light signalling injection system failure - Insufficient engine oil pressure warning light - Warning light signalling Fiat-CODE failure - Rev counter - Speedometer	29
Engine cooling without air conditioning - Automatic heater - Water temperature gauge	31
Engine cooling with air conditioning - Cigar lighter - Water temperature gauge	33
Fuel level gauge and reserve warning light - Engine oil temperature gauge - Insufficient engine oil pressure warning light - Water temperature gauge - Front brake pad wear warning light - Engine oil pressure gauge - Insufficient brake fluid and handbrake warning light - Seat belt unfastened warning light - Doors ajar warning light - Rev counter - Speedometer - Clock	35



# Electrical equipment

## Wiring diagrams

Coupé Fiat 16v

96 range

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DESCRIPTION	ENGINE TYPE TRIM LEVEL
	16v MY 96
Vehicle interior lights - Ideogram lights - Glove compartment light - Luggage compartment light - Preparation for radio with amplified aerial - Cigar lighter	37
Automatic climate control	39
Instrument panel connections	41
Alarm and warning light	43
Junction unit	45

NAME	VERSIONS AND ENGINES
	NORMALLY ASPIRATED
	1747 16v
Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights	1
Direction indicators and warning lamp - Hazard warning lights and warning lamp - Stop lights - Reversing light	2
Front fog lamps and warning light - Rear fog lamp and warning light	3
Version without air conditioner Engine cooling system - Car interior ventilation - Water temperature gauge	4
Version with air conditioner Engine cooling system - Water temperature gauge	5
Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear window and warning light	6
FIAT-CODE system	7
Electric front windows	8
Version without anti-theft device Central door locking system - Door open warning light	9
Version with anti-theft device Central door locking system - Door open warning light	10
Anti-lock braking system and fault warning light	11
Electrically-adjustable and heated external rearview mirrors	12

**NOTE** The numbers in the table correspond to the page number in the electrical section of the manual

NAME	VERSIONS AND ENGINES
	NORMALLY ASPIRATED
	1747 16v
AIR-BAG and fault warning light	13
Electric sunroof - Headlamp adjuster	14
Starting system - Electronic ignition and fuel injection - Recharging system and warning light - Fuel injection fault warning light - Low engine oil pressure warning light - Catalytic converter overheating warning light - Rev counter - FIAT-CODE system	15
Fuel level gauge and reserve warning light - Engine oil temperature gauge - Low engine oil pressure warning light - Water temperature gauge - Brake pad wear warning light - Low brake fluid level and handbrake on warning light - Seat belt unfastened warning light - Door open warning light - Rev counter - Speedometer - Clock	16
Courtesy light - Symbol illumination - Glove compartment light - Boot light - Wiring for car radio with amplified aerial - Puddle light - Cigarette lighter	17
Air conditioner	18
Instrument panel connections	19
Alarm system	20
Fuse and relay unit	21

**NOTE** The numbers in the table correspond to the page number in the electrical section of the manual



**List of fuses in fuse and relay unit 96**

<b>Fuse 110A</b>	<b>Fuse 1320A</b>
<b>Fuse 225A</b>	<b>Fuse 1430A</b>
<b>Fuse 320A</b>	<b>Fuse 1515A</b>
<b>Fuse 425A</b>	<b>Fuse 1610A</b>
<b>Fuse 510A</b>	<b>Fuse 177.5A</b>
<b>Fuse 610A</b>	<b>Fuse 1820A</b>
<b>Fuse 710A</b>	<b>Fuse 1920A</b>
<b>Fuse 810A</b>	<b>Fuse 2030A</b>
<b>Fuse 915A</b>	<b>Fuse 2130A</b>
<b>Fuse 1015A</b>	<b>Fuse 2225A</b>
<b>Fuse 117.5A</b>	<b>Fuse 2325A</b>
<b>Fuse 1225A</b>	<b>Fuse 247.5A</b>

**Cable colour codes**

<b>A</b> Light blue	<b>GN</b> Yellow-Black
<b>B</b> White	<b>GL</b> Yellow-Blue
<b>C</b> Orange	<b>GR</b> Yellow-Red
<b>G</b> Yellow	<b>GV</b> Yellow-Green
<b>H</b> Grey	<b>HG</b> Grey-Yellow
<b>L</b> Blue	<b>HN</b> Grey-Black
<b>M</b> Brown	<b>HR</b> Grey-Red
<b>N</b> Black	<b>HV</b> Grey-Green
<b>R</b> Red	<b>LB</b> Blue-White
<b>S</b> Pink	<b>LG</b> Blue-White
<b>V</b> Green	<b>LN</b> Blue-Black
<b>Z</b> Purple	<b>LR</b> Blue-Red
<b>AB</b> Light blue-White	<b>LV</b> Blue-Green
<b>AG</b> Light blue-Yellow	<b>MB</b> Brown-White
<b>AN</b> Light blue-Black	<b>MN</b> Brown-Black
<b>AR</b> Light blue-Red	<b>NZ</b> Black-Purple
<b>AV</b> Light blue-Purple	<b>RB</b> Red-White
<b>BG</b> White-Yellow	<b>RG</b> Red-Yellow
<b>BL</b> White-Blue	<b>RN</b> Red-Black
<b>BN</b> White-Black	<b>RV</b> Red-Green
<b>BR</b> White-Red	<b>SN</b> Pink-Black
<b>BV</b> White-Green	<b>VB</b> Green-White
<b>BZ</b> White-Purple	<b>VN</b> Green-Black
<b>CA</b> Orange-Light blue	<b>VR</b> Green-Red
<b>CB</b> Orange-White	<b>ZB</b> Purple-White
<b>CN</b> Orange-Black	

## Key to components

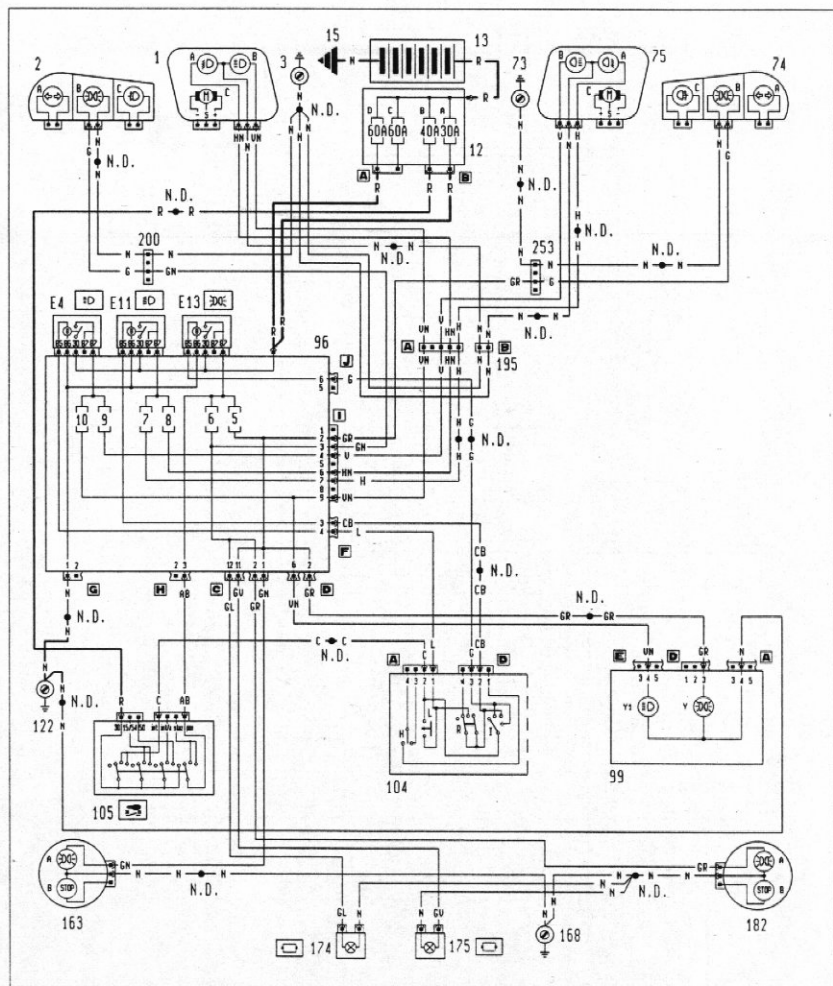
- 1 Front left headlamp
  - A Dipped beam headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 2 Front left lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 3 Front left earth
- 4 Sensor on front left wheel (A.B.S.)
- 5 Front left brake pad wear sensor
- 6 Diagnostic socket for anti-lock braking system (A.B.S.)
- 7 Low tone horn
- 8 High tone horn
- 9 Compressor for air conditioner
- 11 Low brake fluid level sensor
- 12 Power fusebox:
  - A 30A fuse protecting fuse and relay unit
  - B 40A fuse protecting ignition system
  - C 60A fuse protecting fuel injection system
  - D 60A fuse protecting fuse and relay unit
- 13 Battery
- 15 Battery earth
- 17 Reversing light switch
- 19 Power module
- 20 Spark plugs
- 23 HALL effect phase sensor
- 24A Relay for air conditioner/heater
- 24B Relay for air conditioner/heater
- 28 Engine coolant temperature sensor
- 29 Earth on engine
- 31 Throttle valve potentiometer
- 34 30A fuse protecting fuel injection
- 36 Rear right earth
- 39 Knock sensor
- 40 Electronic control unit for electric sunroof
- 41 Electric sunroof button
- 42 Heated Lambda probe
- 45 Rpm and TDC sensor
- 49 Diagnostic socket for fuel injection
- 53 Fuel injectors
- 54 Engine cooling fan
- 56 Electronic control unit for alarm system
- 58 Engine oil temperature sender unit
- 59 Low oil pressure warning light switch
- 60 Connection between front cable and alarm system cable
- 61 Engine coolant temperature sender unit
- 62 Pulse generator for speedometer signal
- 63 Starter motor
- 64 Windscreen wiper motor
- 65 Alternator
- 68 Resistor adjusting engine cooling fan speed
- 69 Electric windscreen washer pump
- 72 Headlamp washer pump
- 73 Front right earth
- 74 Front right lights cluster
  - A Direction indicator
  - B Side light
  - C Front fog light
- 75 Front right headlamp
  - A Dipped beam headlamp
  - B Main beam headlamp
  - C Headlamp adjustment motor
- 76 Electronic control unit for anti-lock braking system (A.B.S.)
- 78 Button on bonnet for switching on anti-theft device
- 80 Sensor on front right wheel (A.B.S.)
- 81 Front right brake pad wear sensor
- 82 Front right side repeater
- 83 Front right speaker
- 85 Front left side repeater
- 86 Front left loudspeaker
- 87 Left electrically-adjustable and heated external rearview mirror
- 88 Front left button controlling courtesy light
- 90 Left electric window motor
- 91 Left door locking motor and door door open indicator
- 92 Timer controlling hazard warning lights
- 94 Rear fog lamps control unit
- 96 Fuse and relay unit:
  - E1 Sunroof relay
  - E3 Relay controlling engine radiator fan
  - E4 Main beam relay
  - E5 Horn relay
  - E6 Heated rear window relay
  - E7 Ignition switch discharge relay
  - E10 Rear fog lamp relay
  - E11 Dipped beam relay

- E12 Front fog lamp relay
- E13 Side lights relay
- E14 Central door locking electronic control unit
- E15 Relay controlling hazard warning lights with central door locking system
- 99 Instrument panel :
  - A Oil temperature gauge
  - C Speedometer
  - D Rev counter
  - E Water temperature gauge
  - F Fuel gauge
  - G Instrument panel lighting bulbs
  - H Hazard warning lights warning lamp
  - K Front fog lamps warning light
  - L Rear fog lamps warning light
  - M Heated rear window warning light
  - N Low alternator recharging warning light
  - O Fuel injection fault warning light
  - P Brake pad wear warning light
  - Q Handbrake on and low brake fluid level warning light
  - R Seat belts unfastened warning light
  - S Door open warning light
  - U Anti-lock braking system fault warning light
  - V EURO-BAG fault warning light
  - W FIAT-CODE fault warning light
  - W1 Catalytic converter fault warning light
  - X Low engine oil pressure warning light
  - Y Side lights warning light
  - Y1 Main beam headlamps warning light
  - Z Direction indicators warning light
  - Z1 Fuel reserve warning light
- 100 Loudspeaker on front left door
- 101 Headlamp adjustment control unit
- 102 Rheostat for adjusting brightness of symbol illumination
- 103 Stop lights switch
- 104 Stalk unit :
  - H Direction indicators stalk
  - I Side lights/dipped headlamps stalk
  - L Flasher button
  - M Horn button
- N Windscreen wash/wipe stalk
- O Windscreen wash and headlamp wash control button
- R Dipped beam/main beam headlamps stalk
- 105 Ignition switch
- 106 EURO-BAG electronic control unit
- 107 EURO-BAG projection charge (passenger side)
- 108 Diagnostic socket for EURO-BAG
- 109 EURO-BAG projection charge (driver's side)
- 110 Switch control unit
- 111 Car interior courtesy light
- 111A Door lock remote control receiver
- 112 Electric sunroof motor
- 113 Rear fog lamps switch
- 114 Front fog lamps switch
- 115 Hazard warning lights switch
- 116 Digital clock
- 117 Button for switching central door locking system
- 118 Switch for heated rear window
- 119 Anti-theft device on warning light
- 120 Loudspeaker on front right door
- 121 Illumination for switch control unit symbols
- 122 Earth on dashboard, driver's side
- 123 Air conditioner/heater controls illumination
- 124 Car interior fan control switch
- 125 Car radio
- 126 Pushbutton unit on central console controlling left electric window
- 127 Pushbutton unit on central console controlling right electric window
- 129 Cigarette lighter
- 130 Pushbutton unit controlling electrically-adjustable external rearview mirrors
- 131 Connection between dashboard cable and air conditioner/heater cable
- 133 Intermittent switch for headlamp washer
- 135 Additional resistor for air conditioner/heater
- 136 Car interior heater fan
- 137 Car interior air recirculation actuator
- 138 Bulb with switch for lighting glove compartment
- 139 Switch controlling electric sunroof end of travel
- 142 Earth for EURO-BAG device

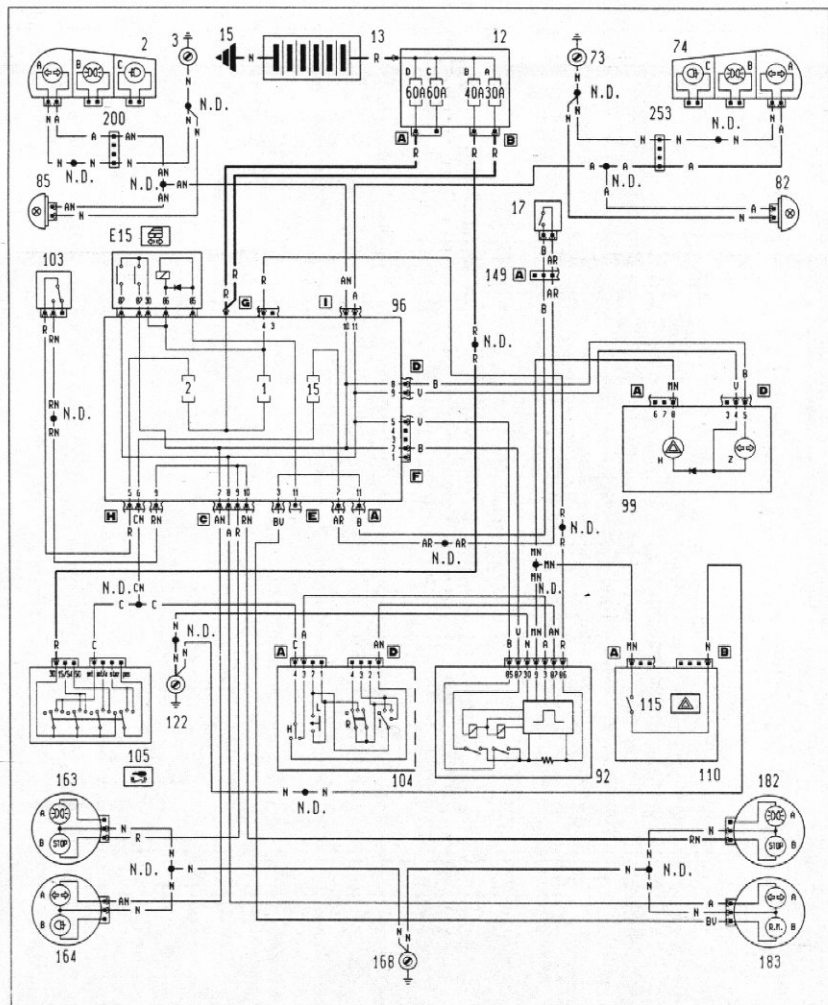
- N Windscreen wash/wipe stalk
- O Windscreen wash and headlamp wash control button
- R Dipped beam/main beam headlamps stalk
- 105 Ignition switch
- 106 EURO-BAG electronic control unit
- 107 EURO-BAG projection charge (passenger side)
- 108 Diagnostic socket for EURO-BAG
- 109 EURO-BAG projection charge (driver's side)
- 110 Switch control unit
- 111 Car interior courtesy light
- 111A Door lock remote control receiver
- 112 Electric sunroof motor
- 113 Rear fog lamps switch
- 114 Front fog lamps switch
- 115 Hazard warning lights switch
- 116 Digital clock
- 117 Button for switching central door locking system
- 118 Switch for heated rear window
- 119 Anti-theft device on warning light
- 120 Loudspeaker on front right door
- 121 Illumination for switch control unit symbols
- 122 Earth on dashboard, driver's side
- 123 Air conditioner/heater controls illumination
- 124 Car interior fan control switch
- 125 Car radio
- 126 Pushbutton unit on central console controlling left electric window
- 127 Pushbutton unit on central console controlling right electric window
- 129 Cigarette lighter
- 130 Pushbutton unit controlling electrically-adjustable external rearview mirrors
- 131 Connection between dashboard cable and air conditioner/heater cable
- 133 Intermittent switch for headlamp washer
- 135 Additional resistor for air conditioner/heater
- 136 Car interior heater fan
- 137 Car interior air recirculation actuator
- 138 Bulb with switch for lighting glove compartment
- 139 Switch controlling electric sunroof end of travel
- 142 Earth for EURO-BAG device
- 143 Connection between dashboard cable and right door cable
- 145 Switch controlling car interior air-recirculation
- 146 Switch for seat belts unfastened warning light
- 147 Handbrake on warning light switch
- 149 Connection between front cable and fuel injection cable
- 151 Connection between dashboard cable and front cable
- 152 Window electronic control unit
- 153 Luggage compartment light bulb
- 155 Connection between dashboard cable and anti-lock braking system cable
- 156 Luggage compartment light switch
- 157 Right electrically adjustable and heated external rearview mirror
- 158 Front right button controlling courtesy light
- 159 Right electric window motor
- 160 Right central door locking motor and door open indicator
- 161 Rear left loudspeaker
- 162 Sensor on rear left wheel (A.B.S.)
- 163 Rear left lights cluster
  - A Side light
  - B Stop light
- 164 Rear left lights cluster
  - A Direction indicator
  - B Rear fog lamp
- 165 Connection between dashboard cable and left door cable
- 166 Diagnostic socket for anti-theft device
- 168 Rear earth
- 170 Switch for switching off anti-theft device
- 171 Pre-amplifier for electric aerial on heated rear window
- 173 Heated rear window
- 174 Left number plate light
- 175 Right number plate light
- 177 Fuel gauge sender unit
- 178 Electric fuel pump
- 180 Rear right loudspeaker
- 181 Sensor on rear right wheel (A.B.S.)
- 182 Rear right lights cluster
  - A Side light
  - B Stop light
- 183 Rear right lights cluster
  - A Direction indicator
  - B Reversing light

- 185 Left door puddle light
- 187 Right door puddle light
- 195 Connection between front cable and headlamps cable
- 200 Connection between front cable and front left lights cluster
- 208 Left volumetric sensor for anti-theft device
- 209 Right volumetric sensor for anti-theft device
- 210 Connection between front cable and rear cable
- 238 10A fuse protecting anti-lock braking system (A.B.S.)
- 242 Connection between dashboard cable and central console
- 243 Connection for electric sunroof
- 245 Connection between dashboard cable and sunroof cables
- 246 Connection for EURO-BAG cables
- 253 Connection between front cable and front right lights cluster
- 260 Inertial switch for switching off electric fuel pump
- 261 Connection between dashboard cable and rear cable
- 262 Wiring for Compact Disc
- 276 40A fuse protecting engine cooling fan
- 278 Relay unit for air conditioner:
  - C Relay for switching on radiator fan high speed
  - D Relay for switching on air conditioning system
  - E Relay for switching on compressor
  - F 7.5A system fuse
- 279 30A fuse protecting air conditioning system
- 281 Three-stage pressure-switch for air conditioner
- 282 Minimum pressure switch
- 283 Connection between engine compartment cable and air conditioner cables
- 284 FIAT-CODE control unit
- 285 FIAT-CODE aerial
- 286 Catalytic converter temperature control unit
- 287 Courtesy light delay unit
- 288 Air conditioner controls unit:
  - A Car interior air recirculation control switch
  - B Car interior air recirculation warning light
  - C Air conditioner switch
  - D Air conditioner on warning light
  - E Air conditioner controls symbol lights
- 291 Earth for anti-lock braking system (A.B.S.)
- 292 Earth for anti-lock braking system (A.B.S.)
- 293 Two-diode container
- 294 60A fuse protecting anti-lock braking system (A.B.S.)
- 295 10A fuse protecting FIAT-CODE system
- 296 Fuel injection/ignition electronic control unit
- 297 Fuel injection control relay
- 298 Electric fuel pump control relay
- 299 15A fuse protecting electric fuel pump
- 300 Air flowmeter
- 301 Timing variator control actuator
- 302 Connection for timing variator cable
- 303 Timing variator relay
- 304 Engine idle adjustment actuator
- 305 Petrol vapour recirculation solenoid (Canister)
- 306 Diagnostic socket for fuel injection
- 307 Earth for air conditioner/heater
- 308 Connection between fuel injection cable and compressor/oil pressure switch cable
- 309 Connection between EURO-BAG cable and stalk unit
- 310 Connection for electric aerial wiring cable
- N.D. Ultrasound-soldered joint taped into wiring loom

Side lights and warning lamp - Dipped beam headlamps - Main beam headlamps and warning light - Headlamp flasher - Number plate lights - (See key following diagrams)

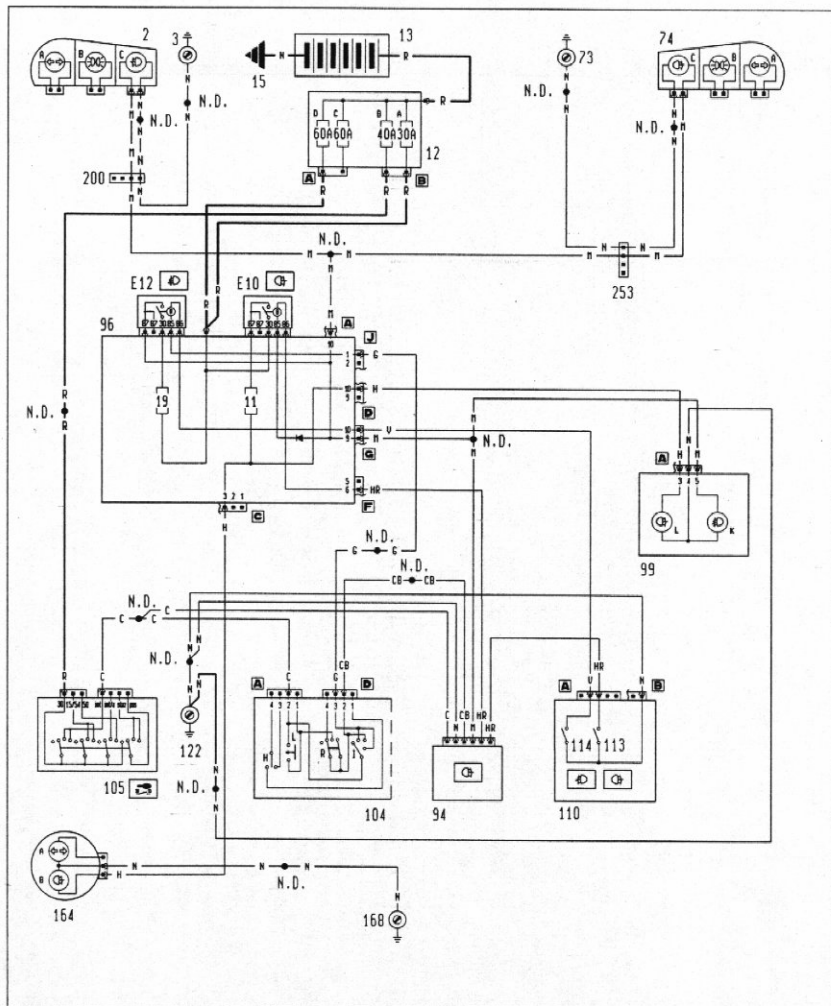


Direction indicators and warning lamp - Hazard warning lights and warning lamp - Stop lights - Reversing light - (See key following diagrams)





Front fog lamps and warning light - Rear fog lamp and warning light - (See key following diagrams)

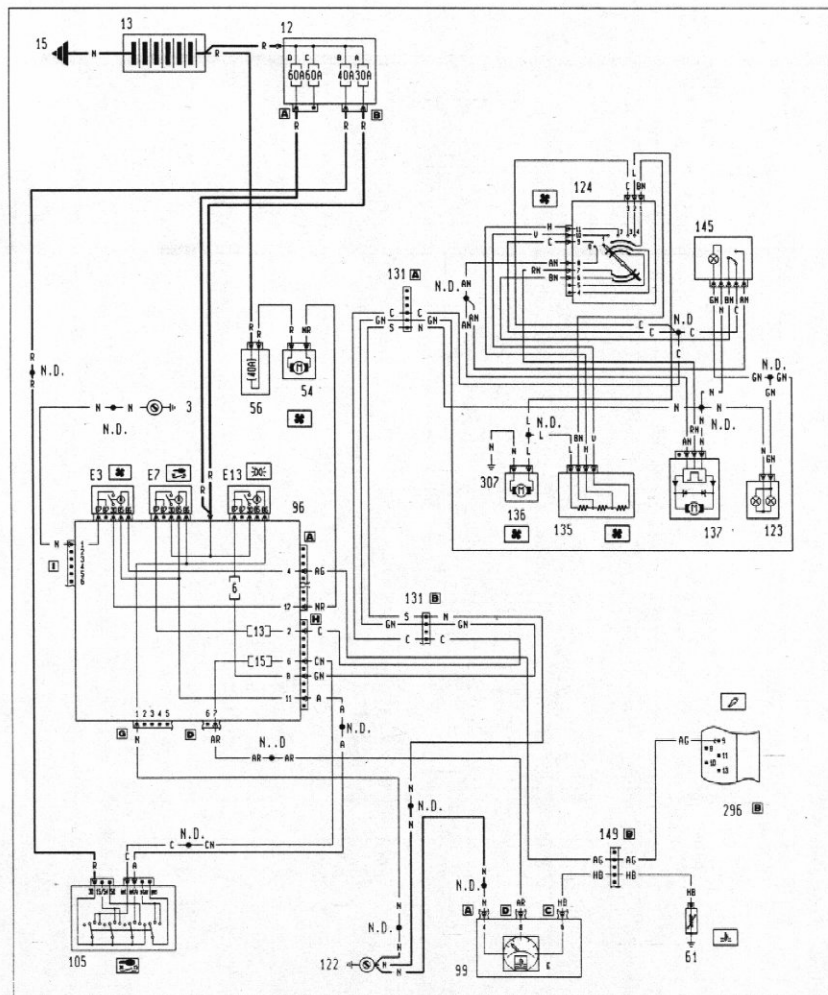




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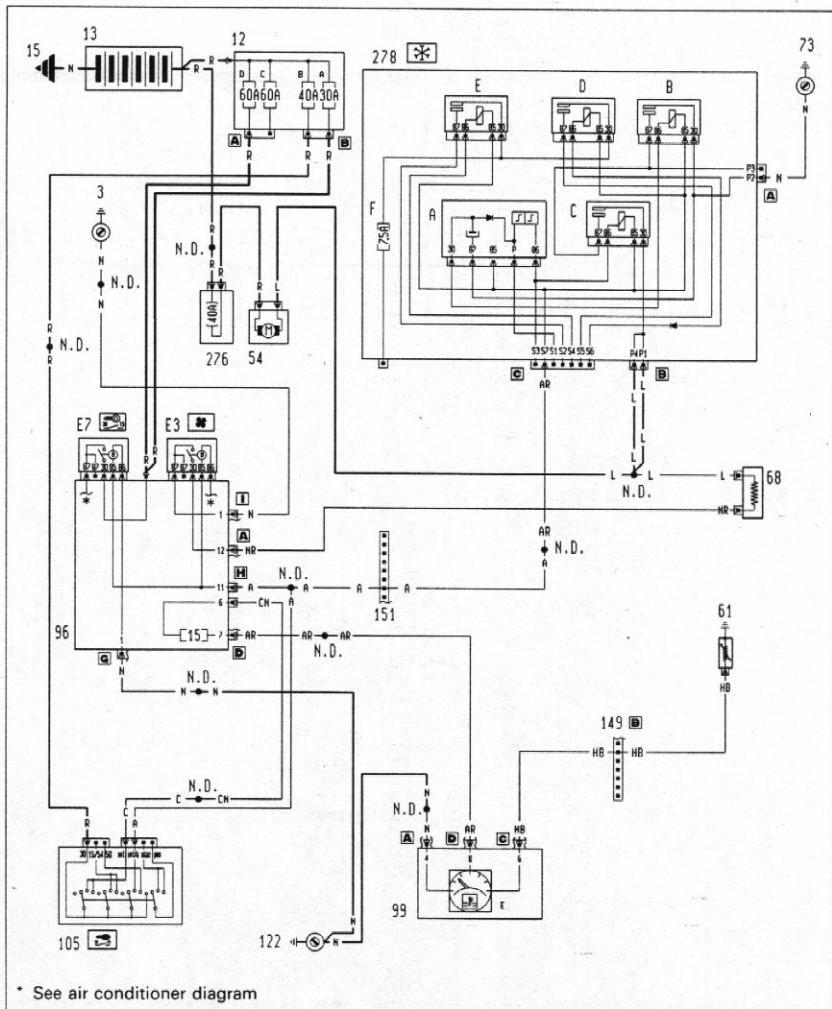
Version without air conditioner

Engine cooling system - Car interior ventilation - Water temperature gauge - (See key following diagrams)

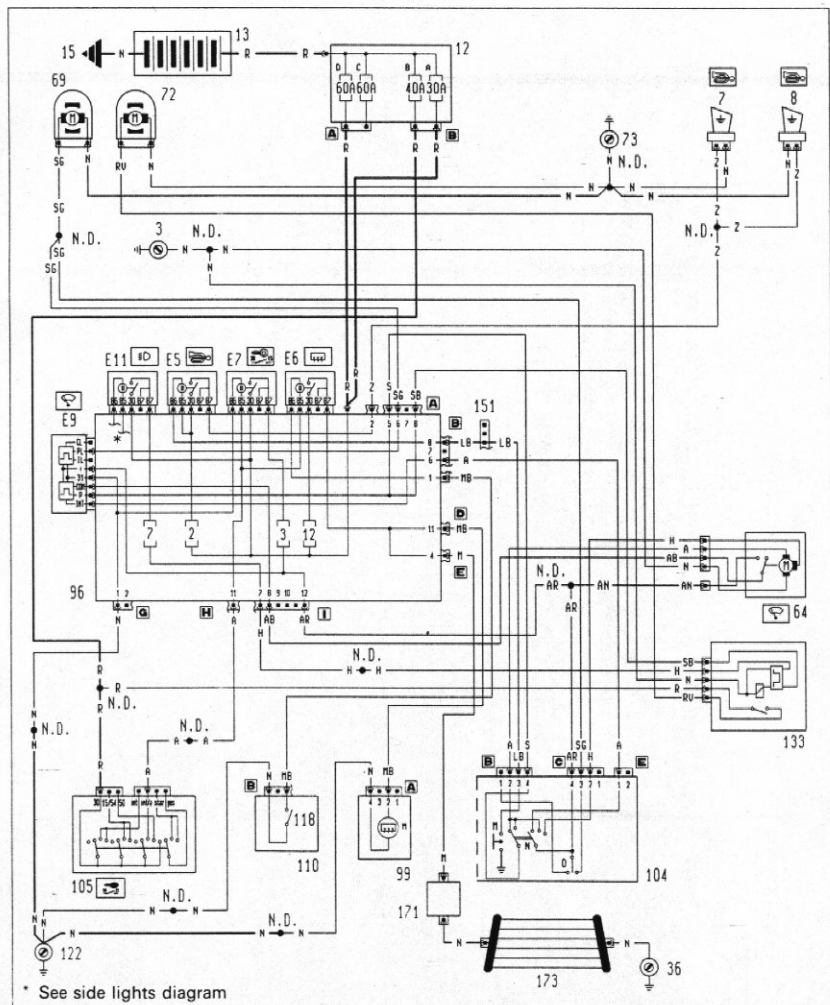


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**Engine cooling system - Water temperature gauge - (See key following diagrams)**



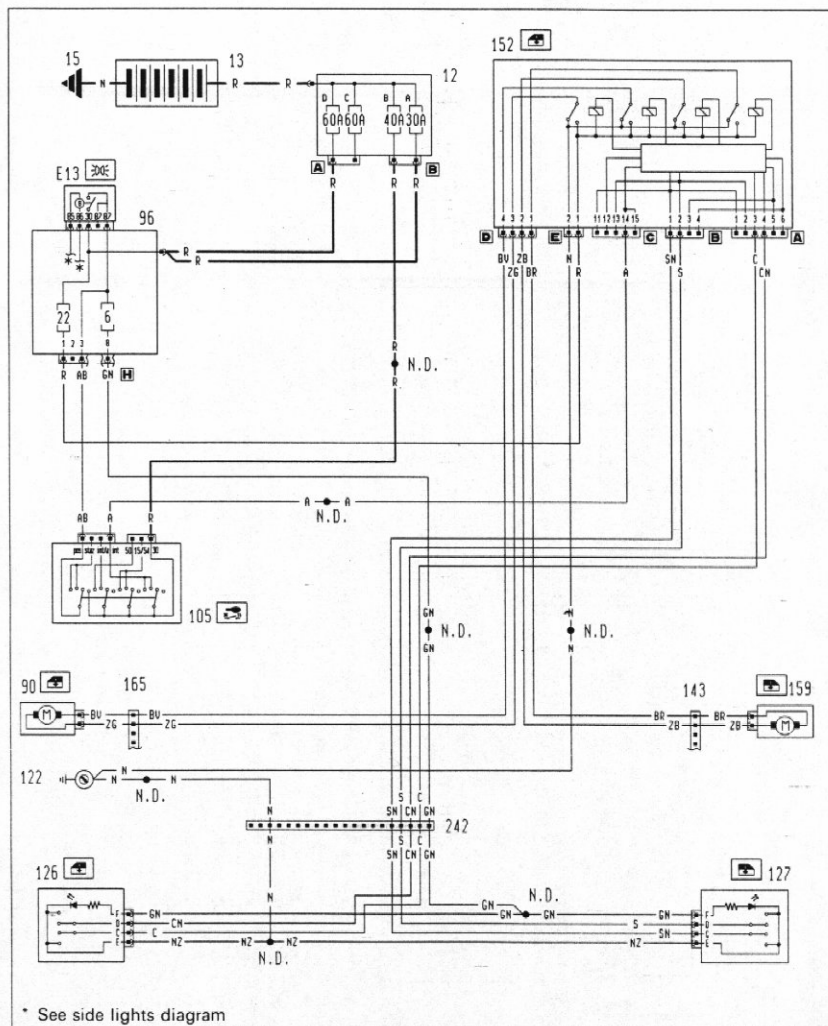
Windscreen wiper - Electric windscreen washer pump - Headlamp washer - Electric horns - Heated rear window and warning light - (See key following diagrams)



## P3N07KL01

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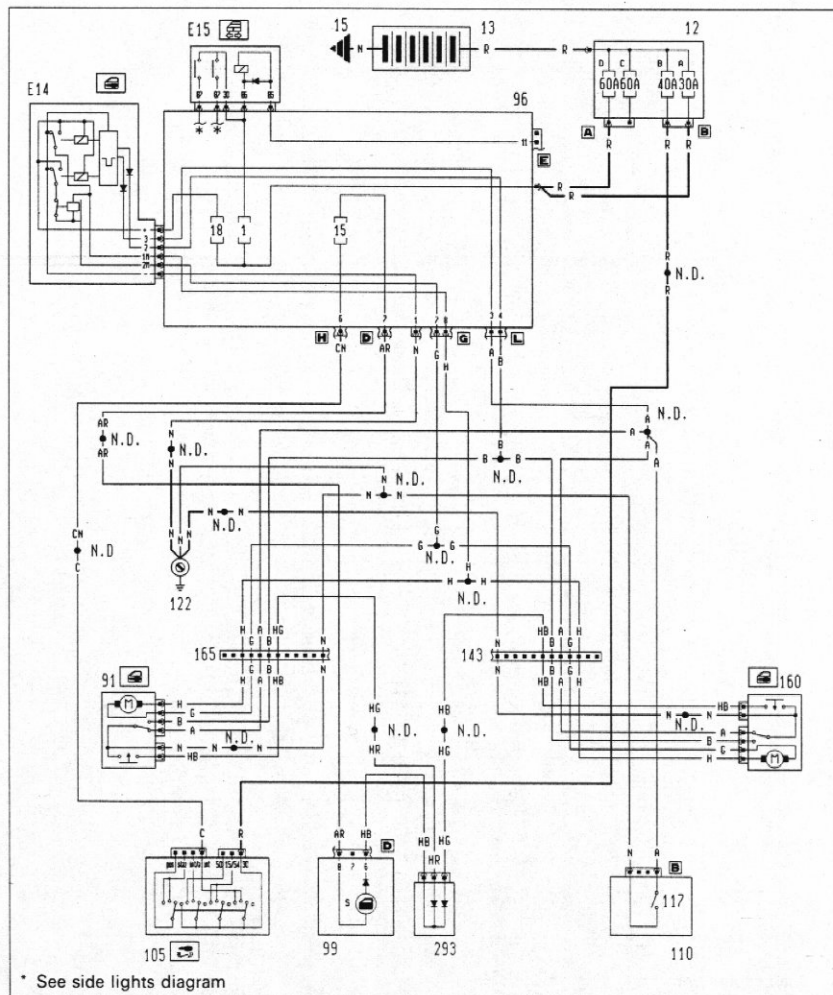
Electric front windows - (See key following diagrams)



P2N08KL01

Version without anti-theft device

Central door locking system - Door open warning light - (See key following diagrams)

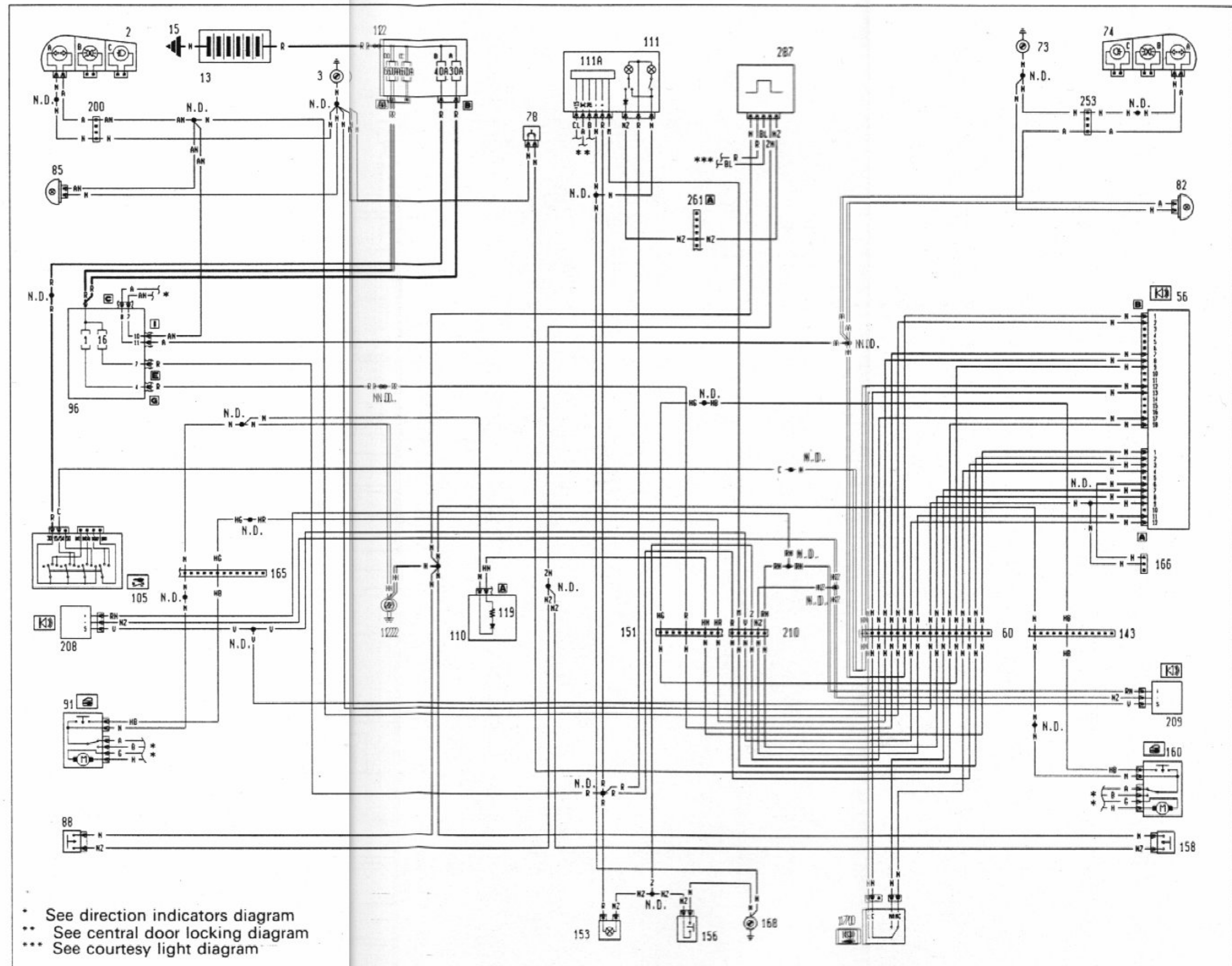


P3N08KL01

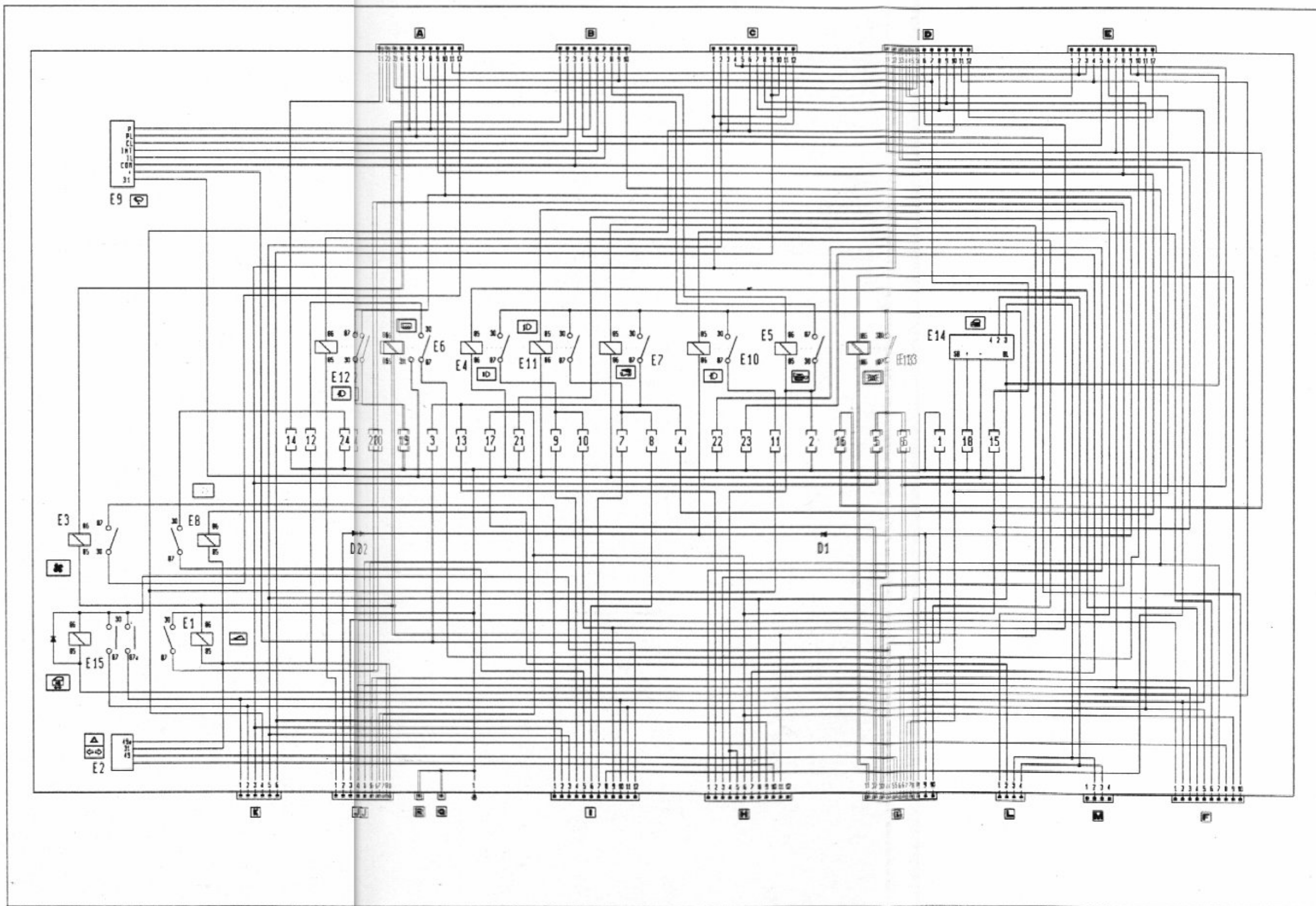


### 55.

Alarm system - (See key following diagrams)



Fuse and relay unit - (See key following diagrams)



P3N21KL01