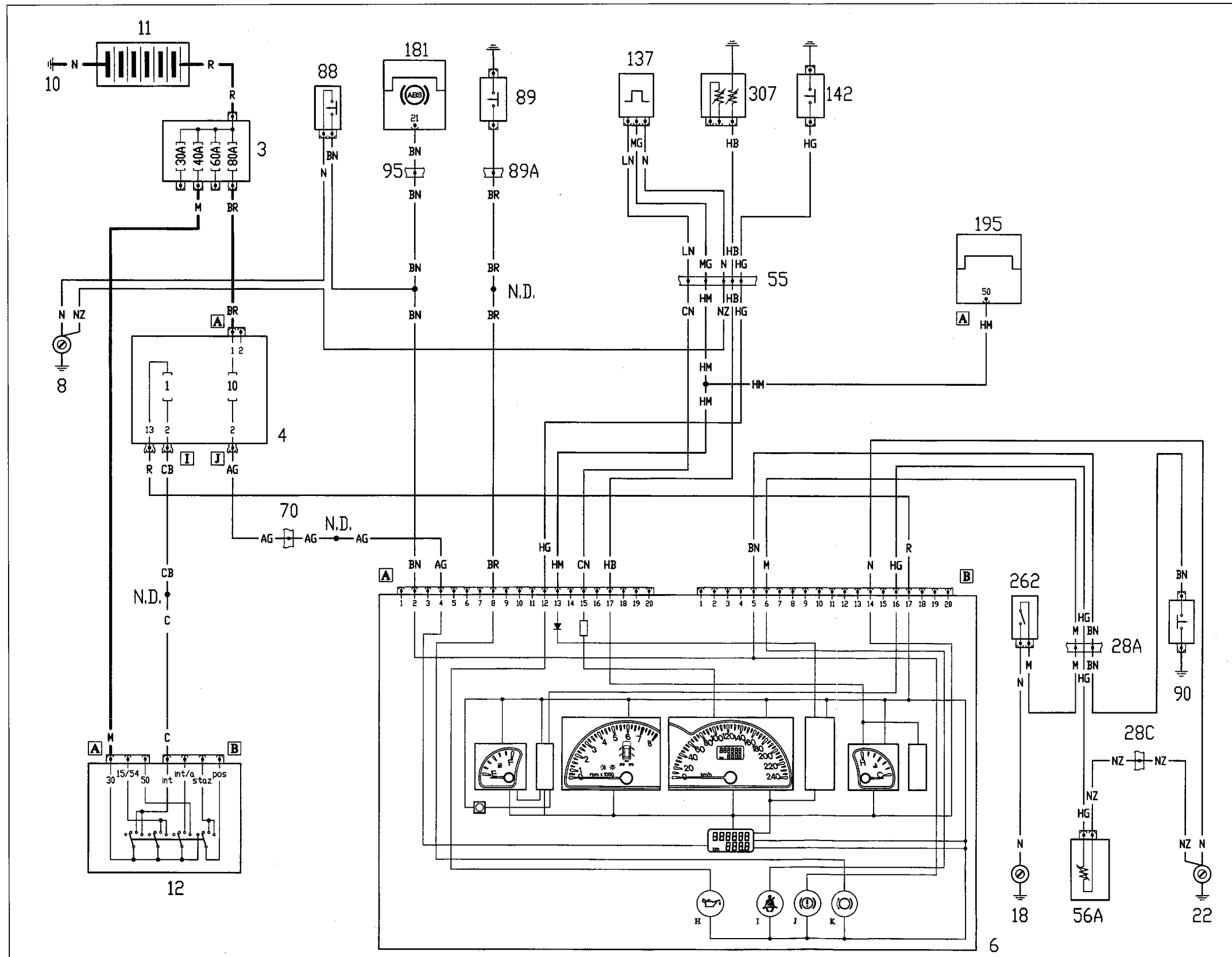


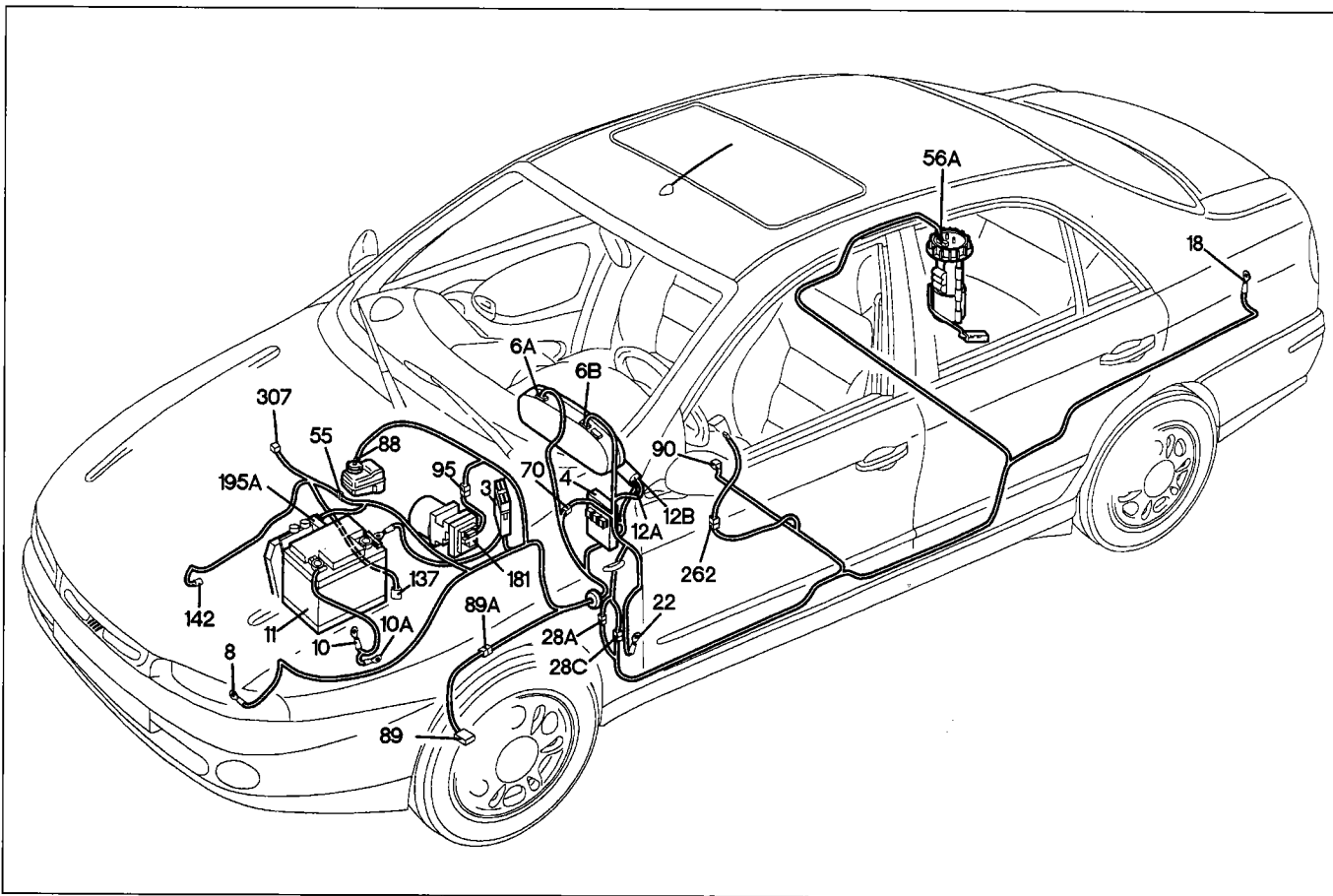
- WIRING DIAGRAMS	1
- Connector blocks	15

NAME	Marea - Marea Weekend
Fuel level gauge and reserve warning light - Handbrake on and low brake fluid warning light - Speedometer - Total mileage counter/trip recorder and reset button - Coolant temperature gauge - Low engine oil pressure warning light - Front brake pad wear warning light - Seat belt warning light	1
Fiat CODE system and warning light	3
Thermostatically-adjusted heater/air conditioner	5
Versions with air conditioner Engine cooling system - Coolant temperature gauge	7
Versions without air conditioner Engine cooling system - Coolant temperature gauge - Manual heater: car interior ventilation	9
Starter - Electronic ignition and fuel injection - Recharging and warning light - Low engine oil pressure warning light - Fuel injection fault warning light - Rev counter	11
Anti-lock braking system (A.B.S.) and fault warning light (*)	13

(*) All engines

Fuel level gauge and reserve warning light - Handbrake on and low brake fluid warning light - Speedometer - Total mileage counter/trip recorder and reset button - Engine coolant temperature gauge - Low engine oil pressure warning light - Front brake pad wear warning light - Seat belt warning light



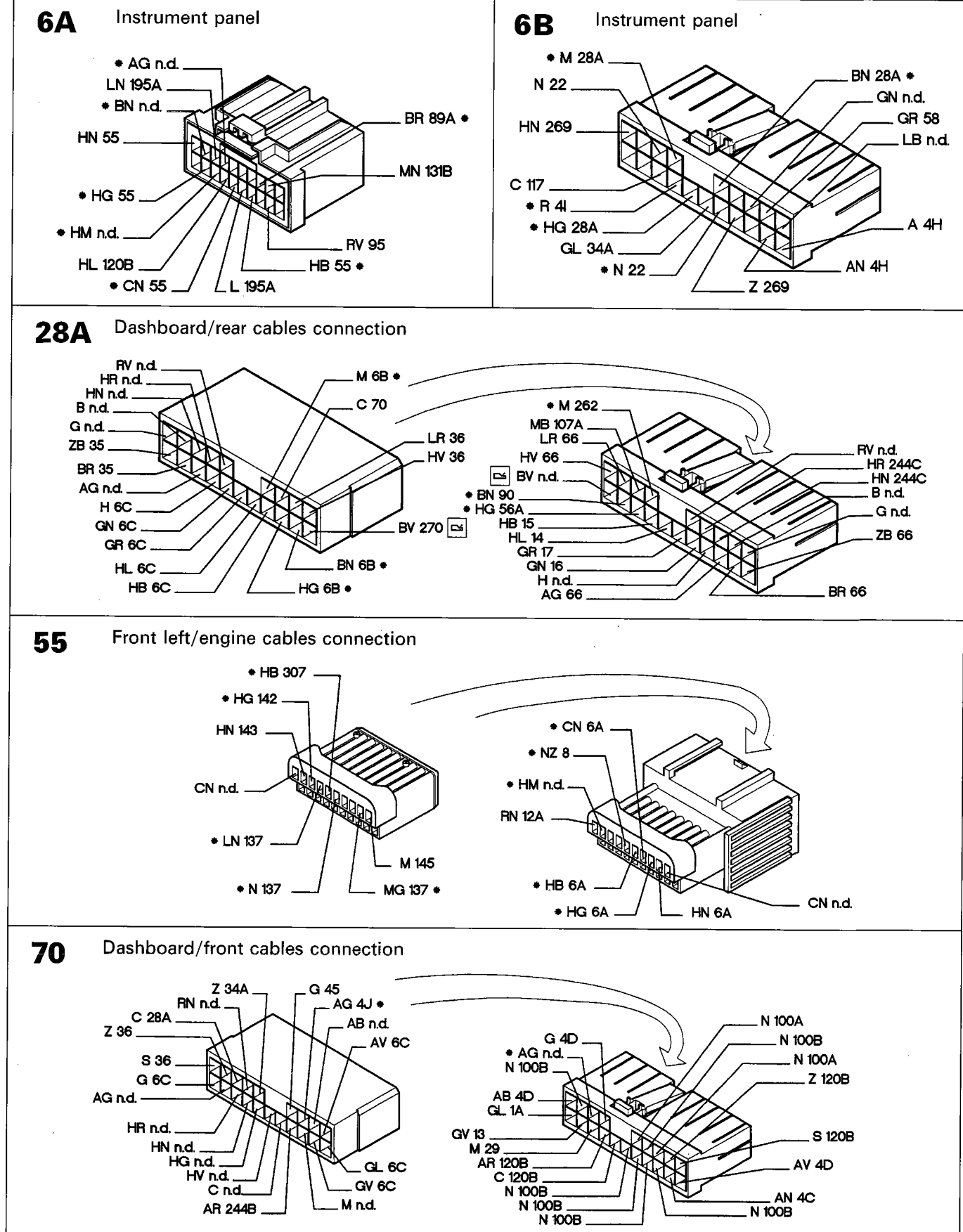


P4F501 N01

Fuel level gauge and reserve warning light - Handbrake on and low brake fluid warning light - Speedometer - Total mileage counter/trip recorder and reset button - Engine coolant temperature gauge - Low engine oil pressure warning light - Front brake pad wear warning light - Seat belt warning light

Key to components

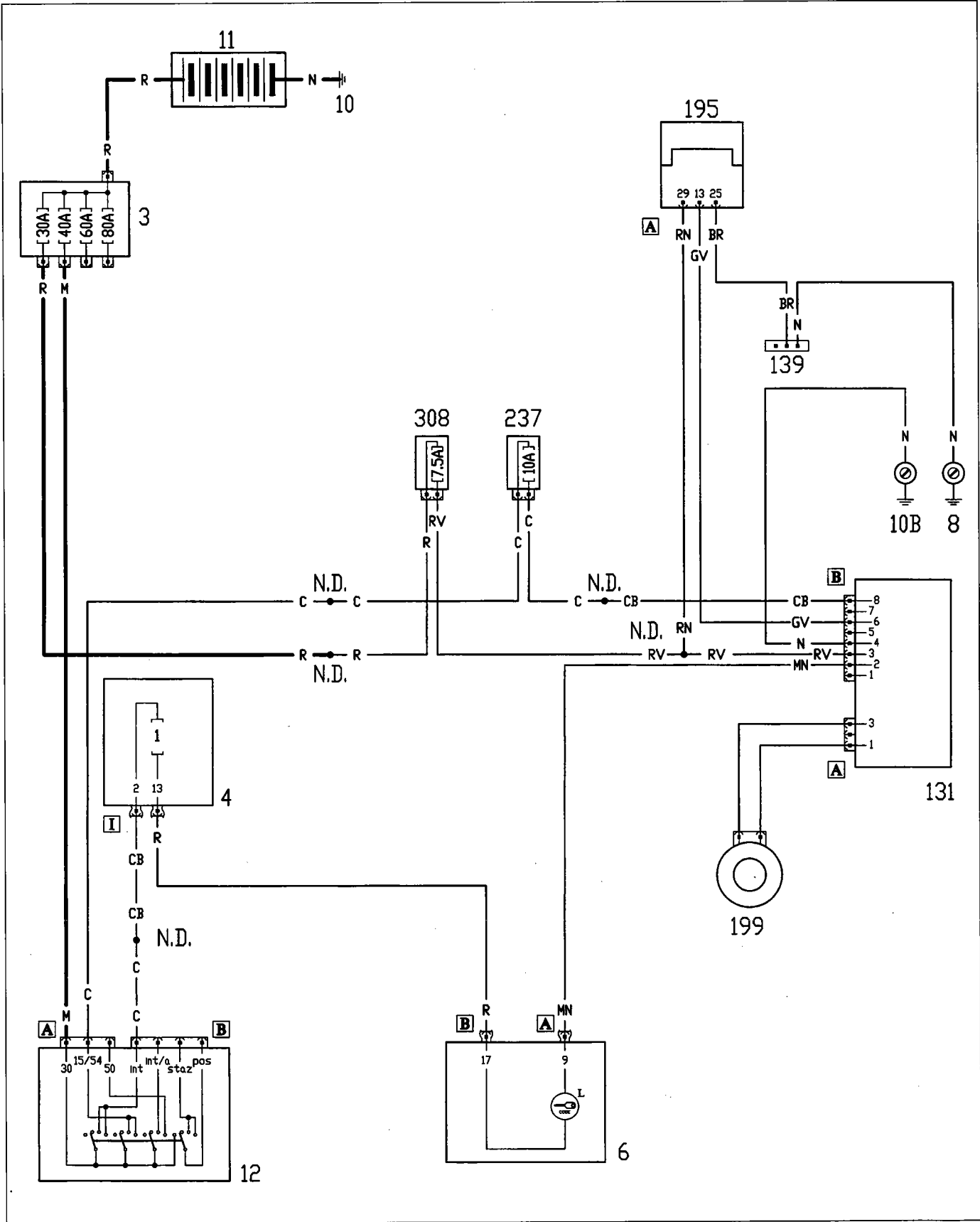
- | | | | |
|-----|-------------------------------------|------|---|
| 3 | Power fusebox | 89 | Left brake pad wear sensor |
| 4 | Fuse and relay unit | 89A | Left brake pad wear sensor cables connection |
| 6 | Instrument panel | 90 | Handbrake on warning light switch |
| 8 | Front left earth | 95 | Front cables/ABS cables connection |
| 10 | Battery earth on engine | 137 | Car speed sensor |
| 10A | Battery earth on body shell | 142 | Low oil pressure warning light switch |
| 11 | Battery | 181 | ABS electrohydraulic control unit |
| 12 | Ignition switch | 195 | Fuel injection/ignition electronic control unit |
| 18 | Rear left earth | 262 | Seat belts warning light switch |
| 22 | Left dashboard earth | 307 | Water temperature double sender unit |
| 28 | Dashboard/rear cables connection | | |
| 55 | Front left/engine cables connection | N.D. | Ultrasound-soldered joint taped in wiring loom |
| 56 | Fuel gauge sender unit | | |
| 70 | Dashboard/front cables connection | | |
| 88 | Low brake fluid level sensor | | |



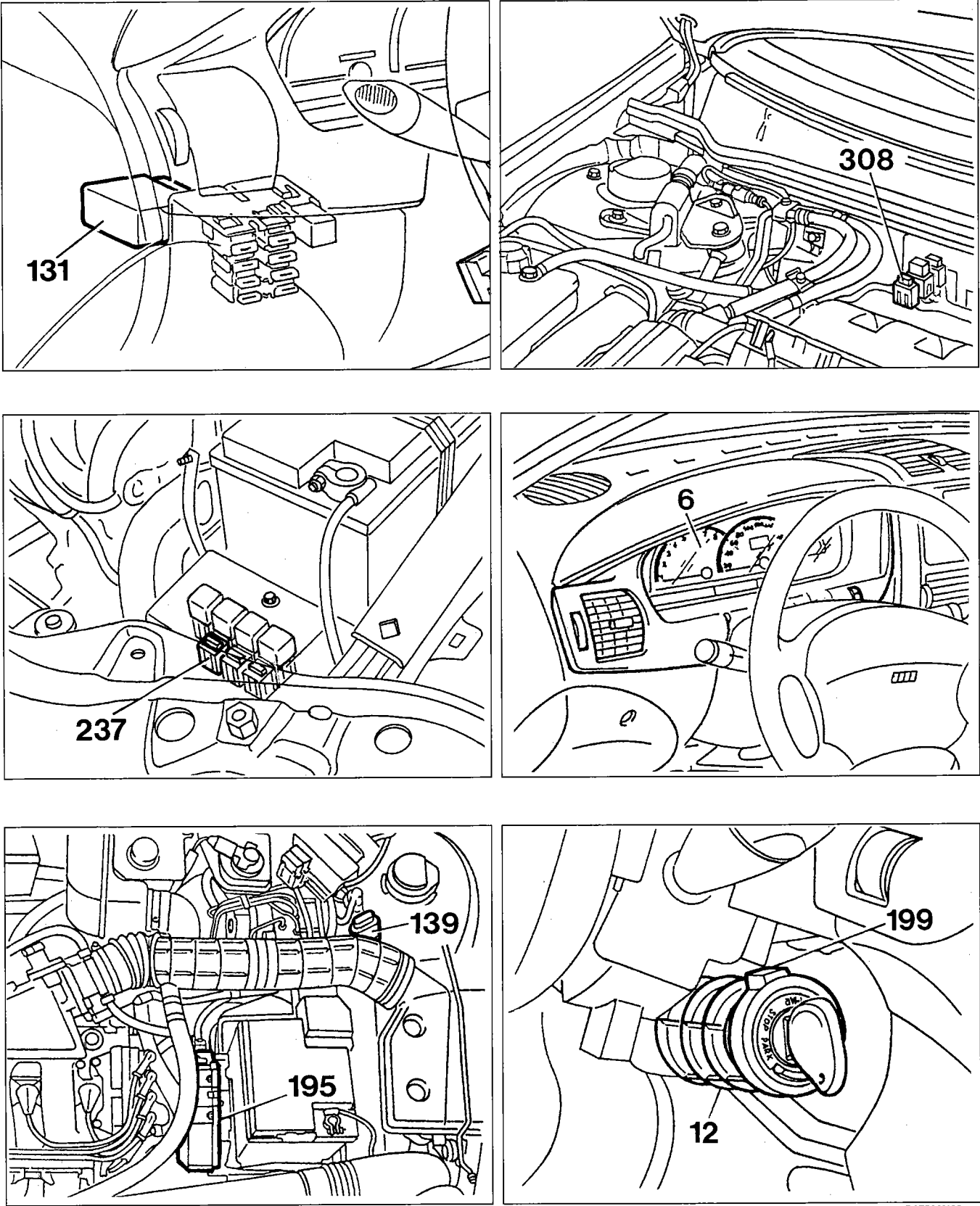
* The cables involved in the wiring diagram are marked with an asterisk.

P4F501N02

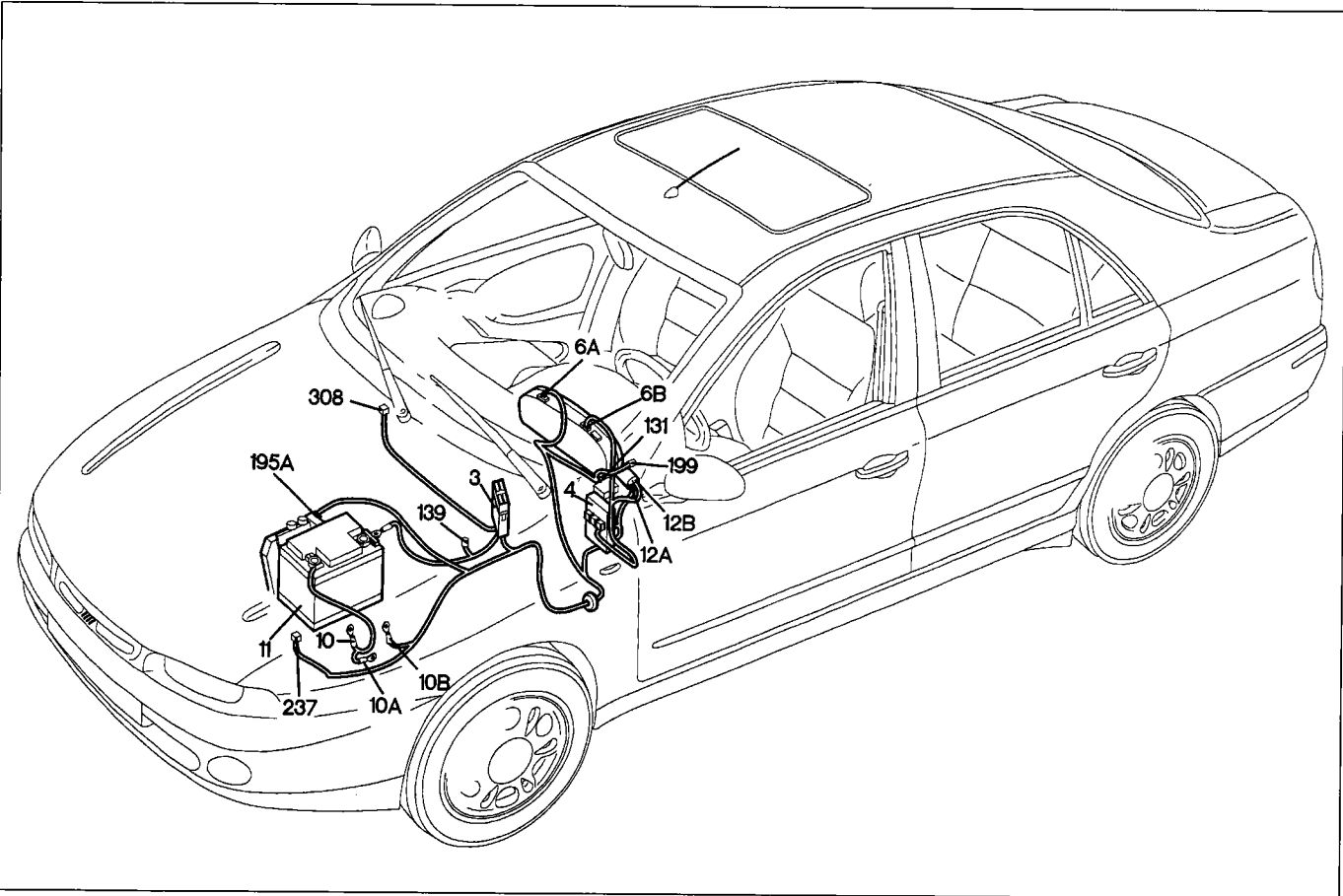
Fiat CODE system and warning light



Location of components



55.



P4F503N01

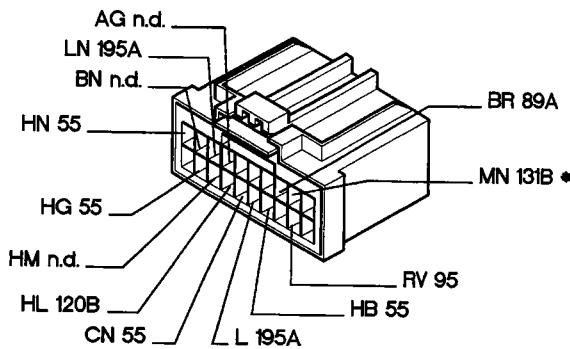
Fiat CODE system and warning light

Key to components

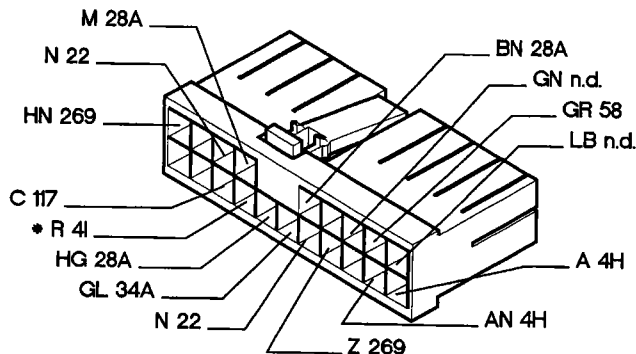
- 3 Power fusebox
- 4 Fuse and relay unit
- 6 Instrument panel
- 10 Battery earth on engine
- 10A Battery earth on bodyshell
- 10B Battery earth for fuel injection
- 11 Battery
- 12 Ignition switch
- 131 Fiat CODE electronic control unit
- 139 Diagnostic socket for fuel injection
- 195 Fuel injection/ignition electronic control unit
- 199 Aerial for Fiat CODE system
- 237 Fuse protecting Fiat CODE
- 308 Fuse protecting fuel injection and CODE

N.D. Ultrasound-soldered joint taped in wiring loom

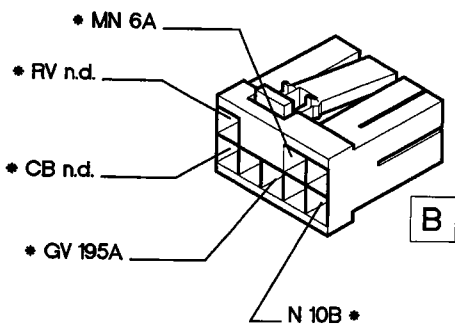
6A Instrument panel



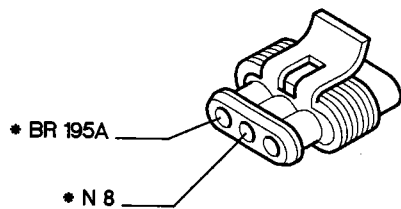
6B Instrument panel



131B Fiat Code electronic control unit

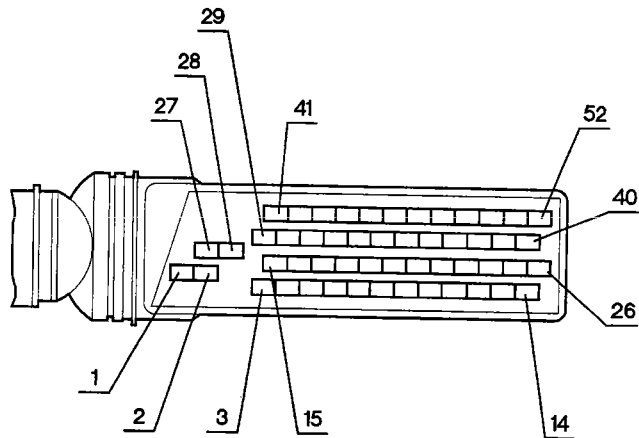


139 Diagnostic socket for fuel injection



195A Fuel injection/ignition electronic control unit

4	L 6A	28	N 10B
9	LN 141	29	RN n.d. *
13	GV 131B *	35	A 309
14	G 127	40	CL 127
15	SB 150	41	RV 127
20	L 141	47	C n.d.
21	AR 309	48	S 309
25	BR 139 *	50	HM n.d.
26	LN 6A	52	RG 13
27	N 10B		



* The cables involved in the wiring diagram are marked with an asterisk.

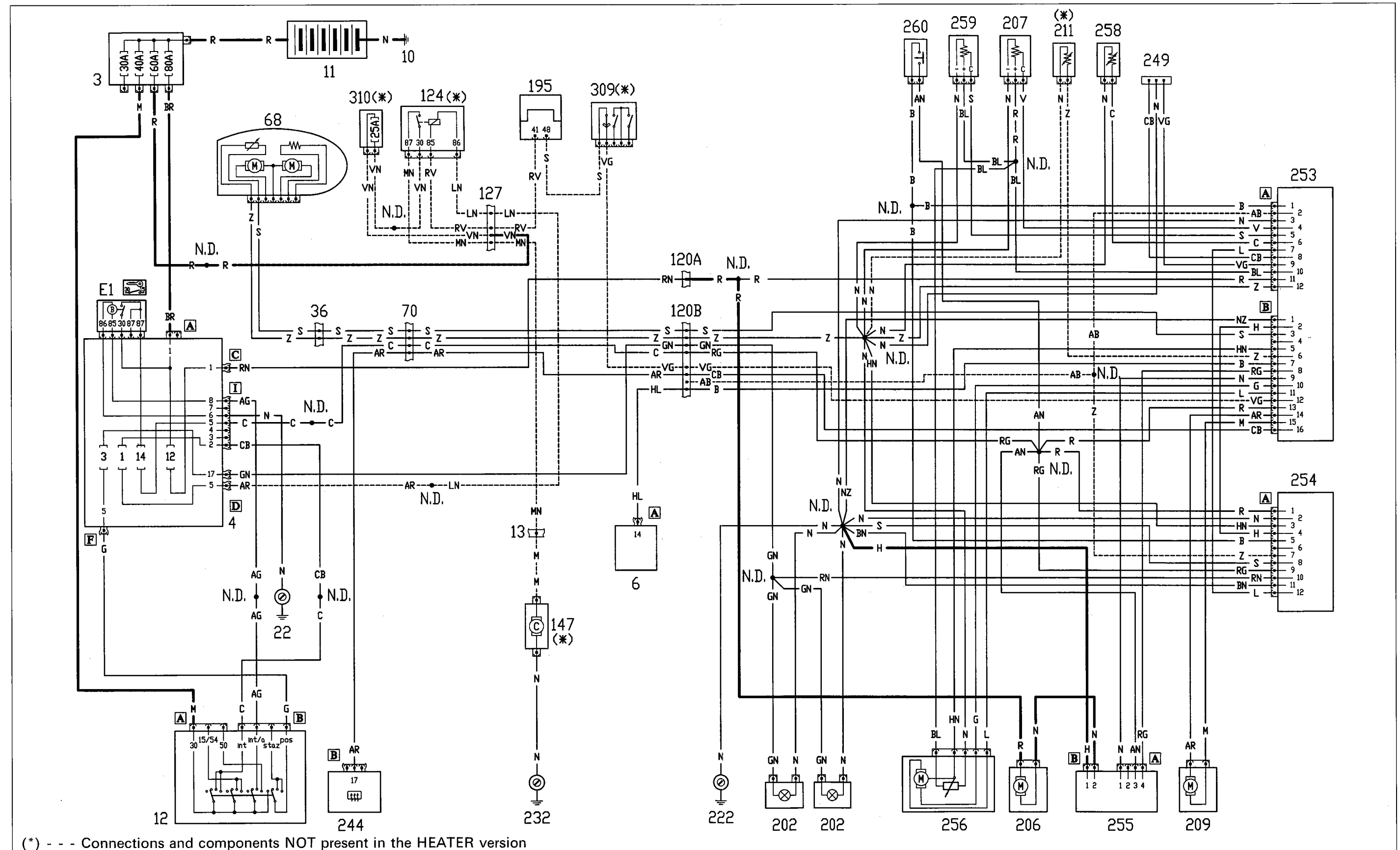
P4F503N02

Electrical system

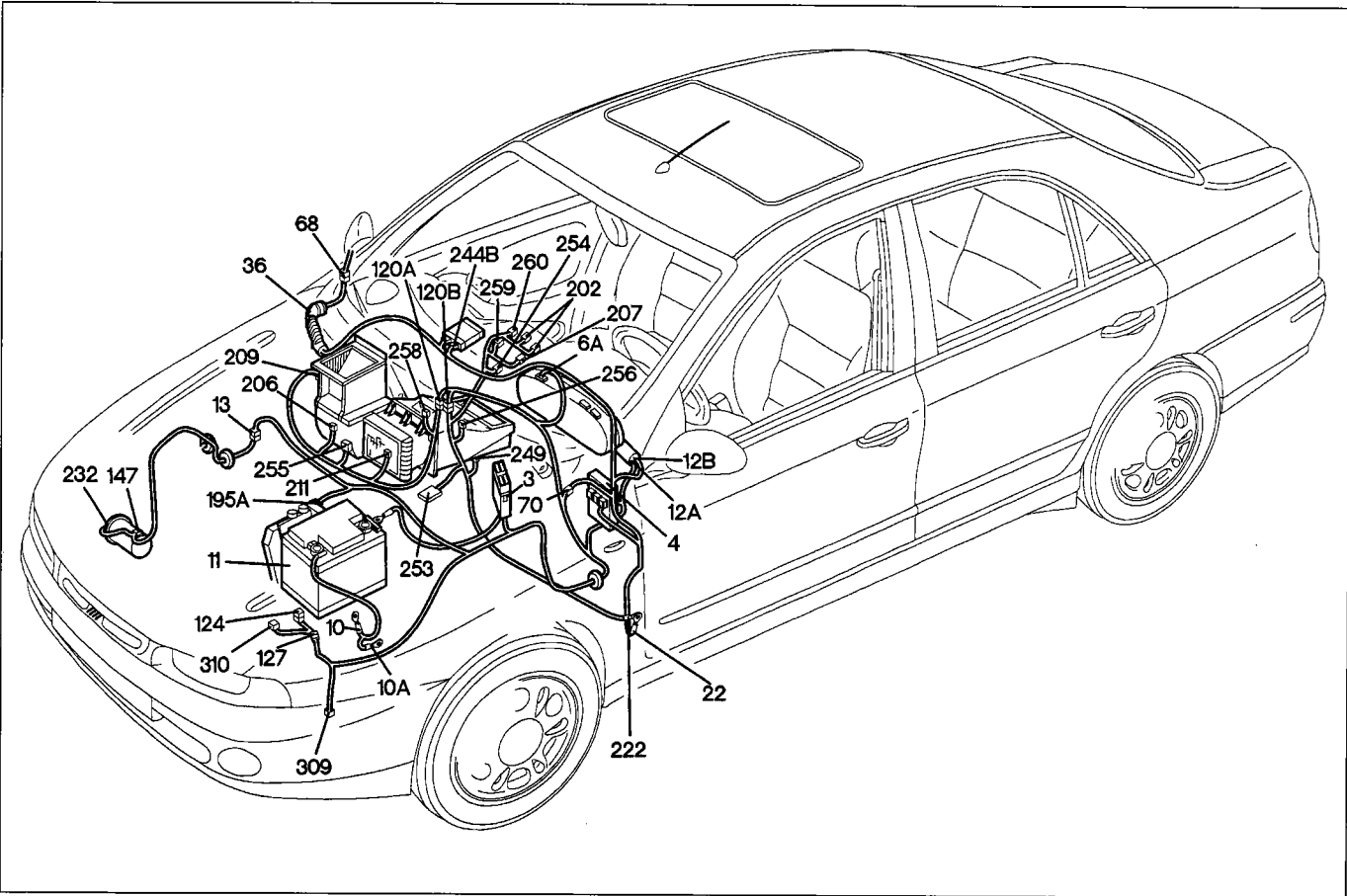
Wiring diagrams

55.

Thermostatically-adjusted heater/air conditioner



55.



P4F505N01

Thermostatically-adjusted heater/air conditioner

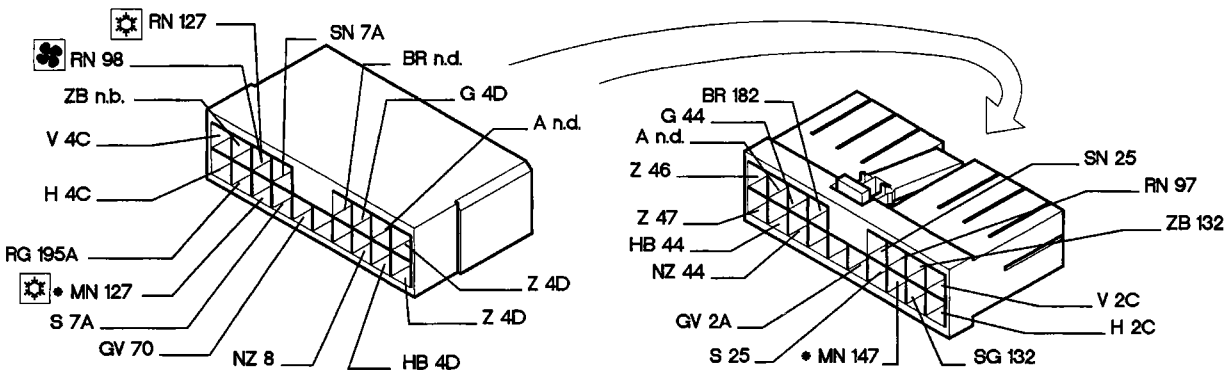
Key to components

- 3 Power fusebox
- 4 Fuse and relay unit
- 6 Instrument panel
- 10 Battery earth on engine
- 10A Battery earth on bodyshell
- 11 Battery
- 12 Ignition switch
- 13 Front right/left cables connection
- 22 Left dashboard earth
- 36 Dashboard/front right door cables connection
- 68 Right door mirror
- 70 Dashboard/front cables connection
- 120 Air conditioner cables connection
- 124 Air conditioner compressor relay
- 127 Connection between front left cable/relay bracket cable
- 147 Compressor for air conditioner
- 195 Fuel injection/ignition electronic control unit
- 202 Heater/air conditioner controls symbols light bulb
- 206 Car interior air climate control fan

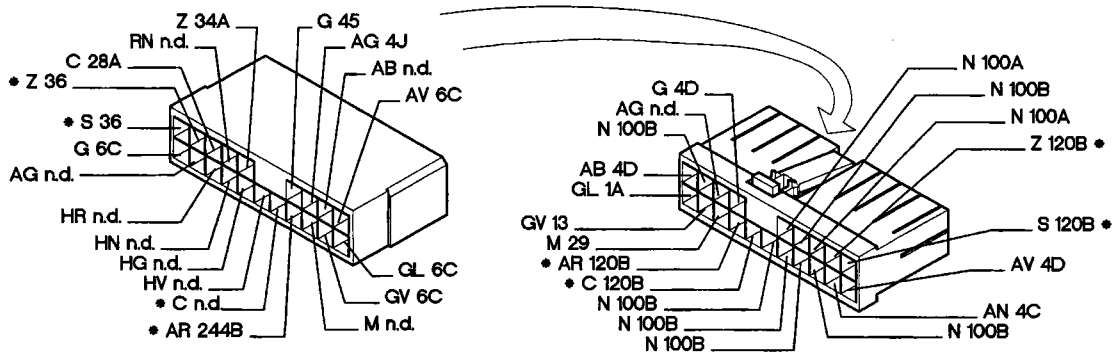
- 207 Fan speed adjustment switch
- 209 Air intake flap control actuator
- 211 Anti-frost sensor
- 222 Earth for climate control system
- 232 Earth for compressor
- 244 Integrated services electronic control unit
- 249 Diagnostic socket for climate control system
- 253 Climate control system control unit
- 254 Climate control system controls with car interior temperature sensor
- 255 Electronic speed variator for climate control fan
- 256 Air mixing control actuator
- 258 Treated air temperature sensor
- 259 Required temperature adjustment switch
- 260 "MAX-DEF" microswitch
- 309 4-stage pressure switch
- 310 Fuse for headlamp washer and air conditioner

N.D. Ultrasound-soldered joint taped in wiring loom

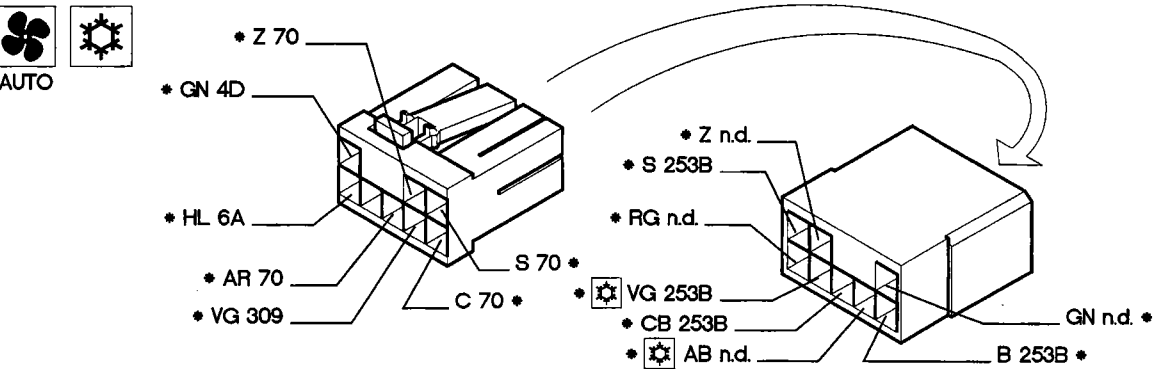
13 Front right/left cables connection



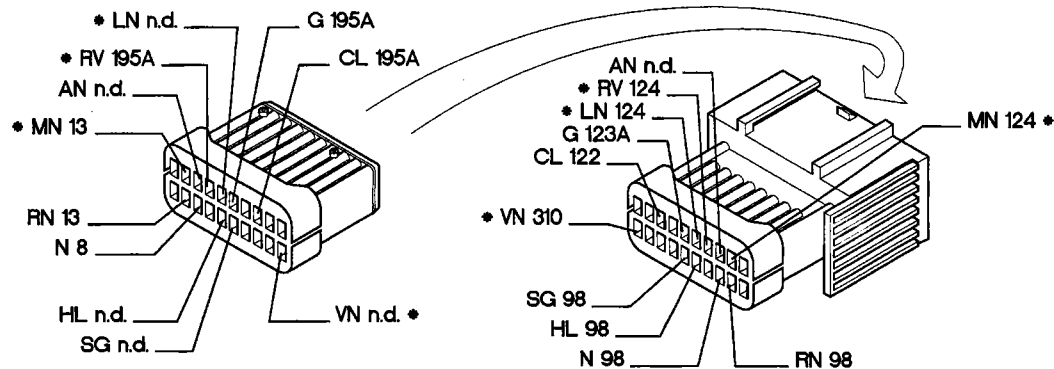
55 Front left/engine cables connection



120B Air conditioner cables connection



127 Connection between front left cable/cable on relay bracket

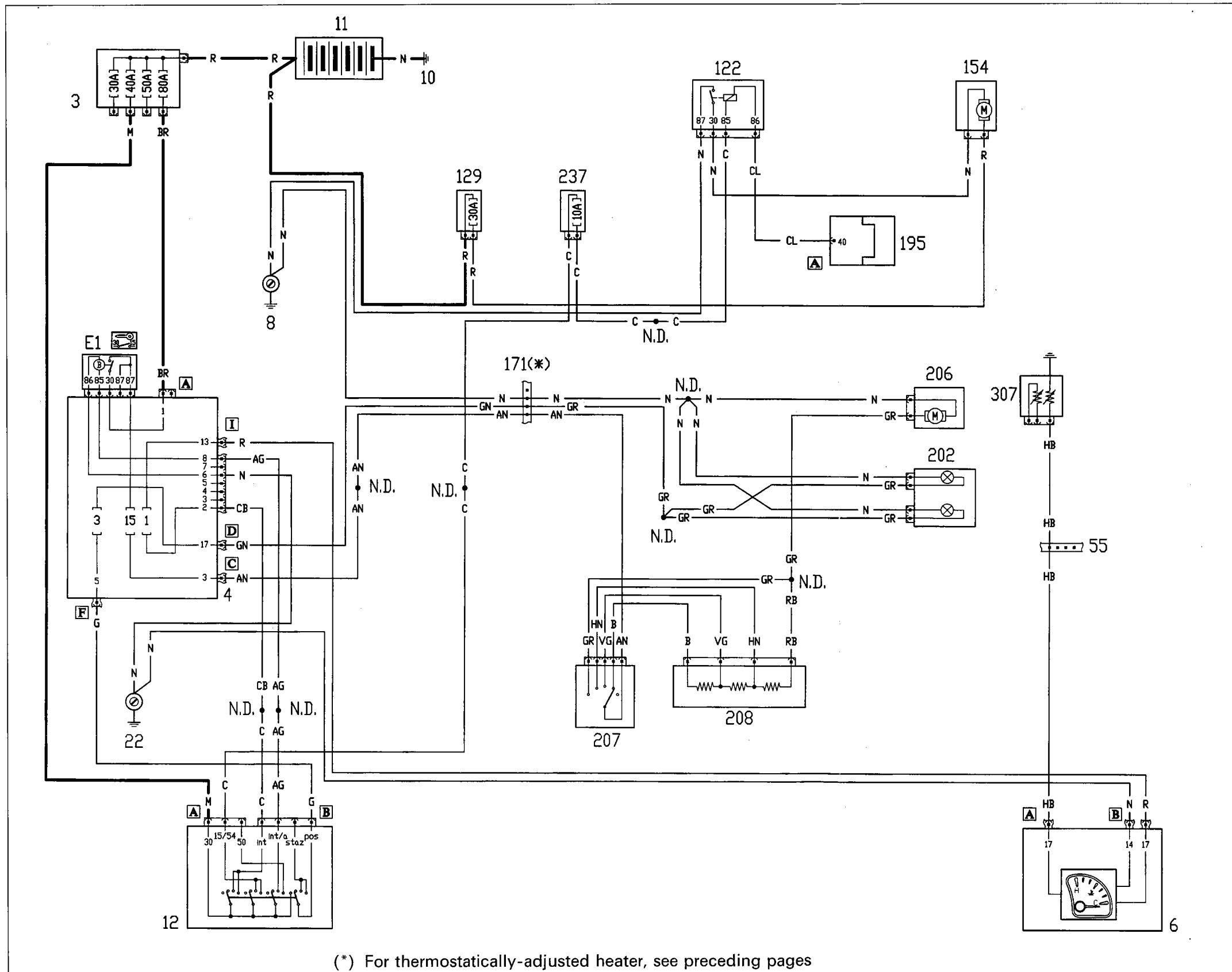


* The cables involved in the wiring diagram are marked with an asterisk.

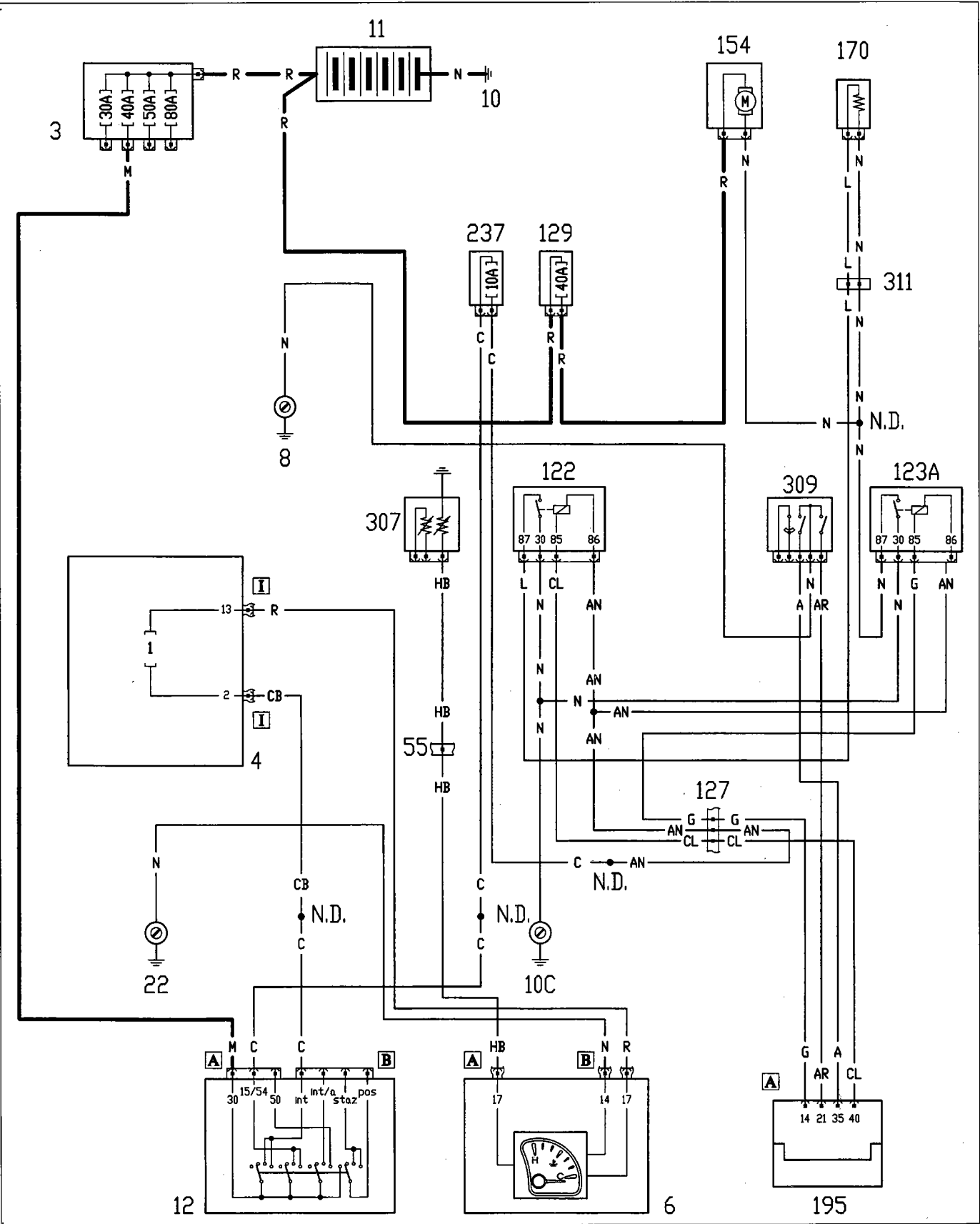
P4F505N02

Versions without air conditioner

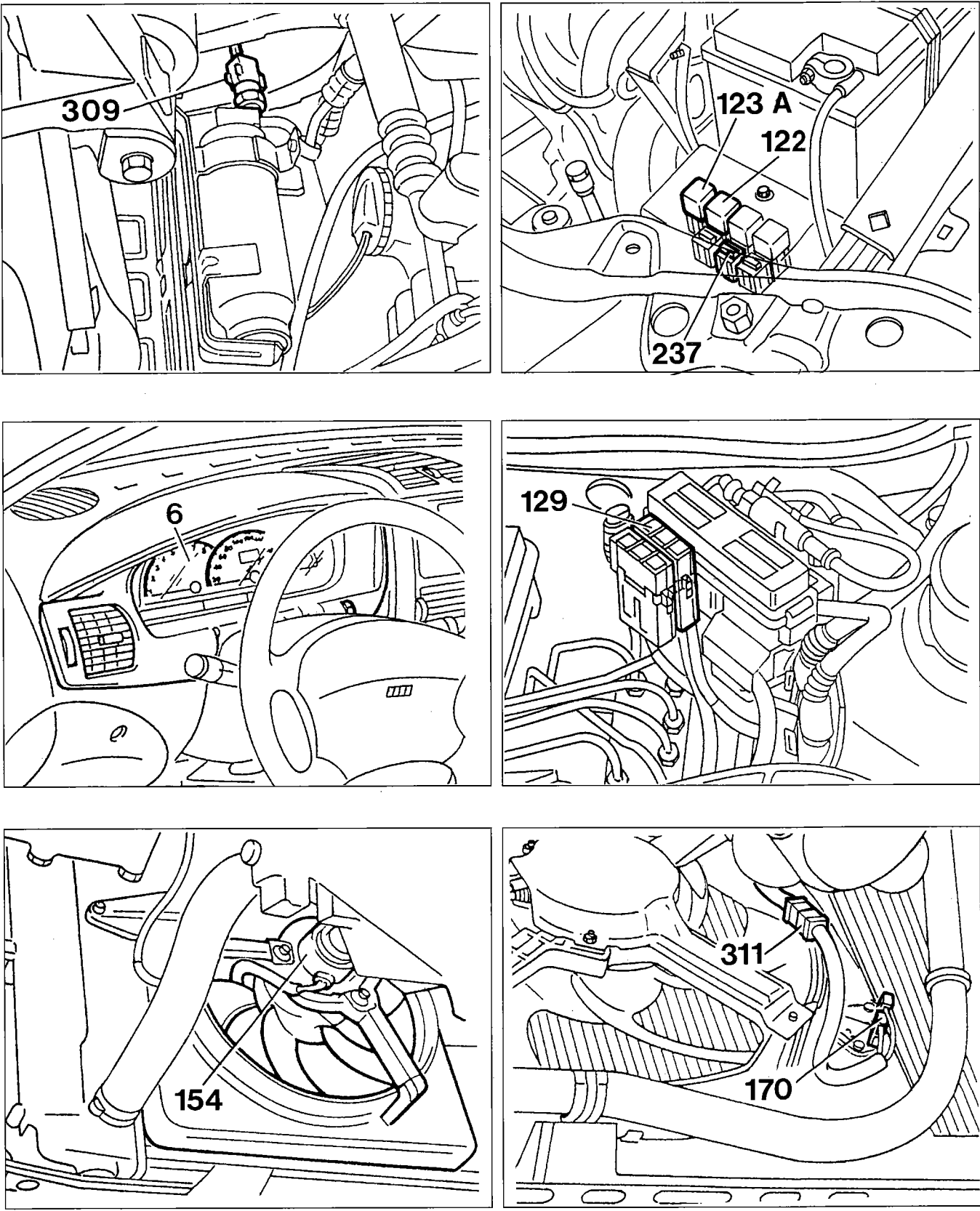
Engine cooling system - Coolant temperature gauge - Manual heater: car interior ventilation



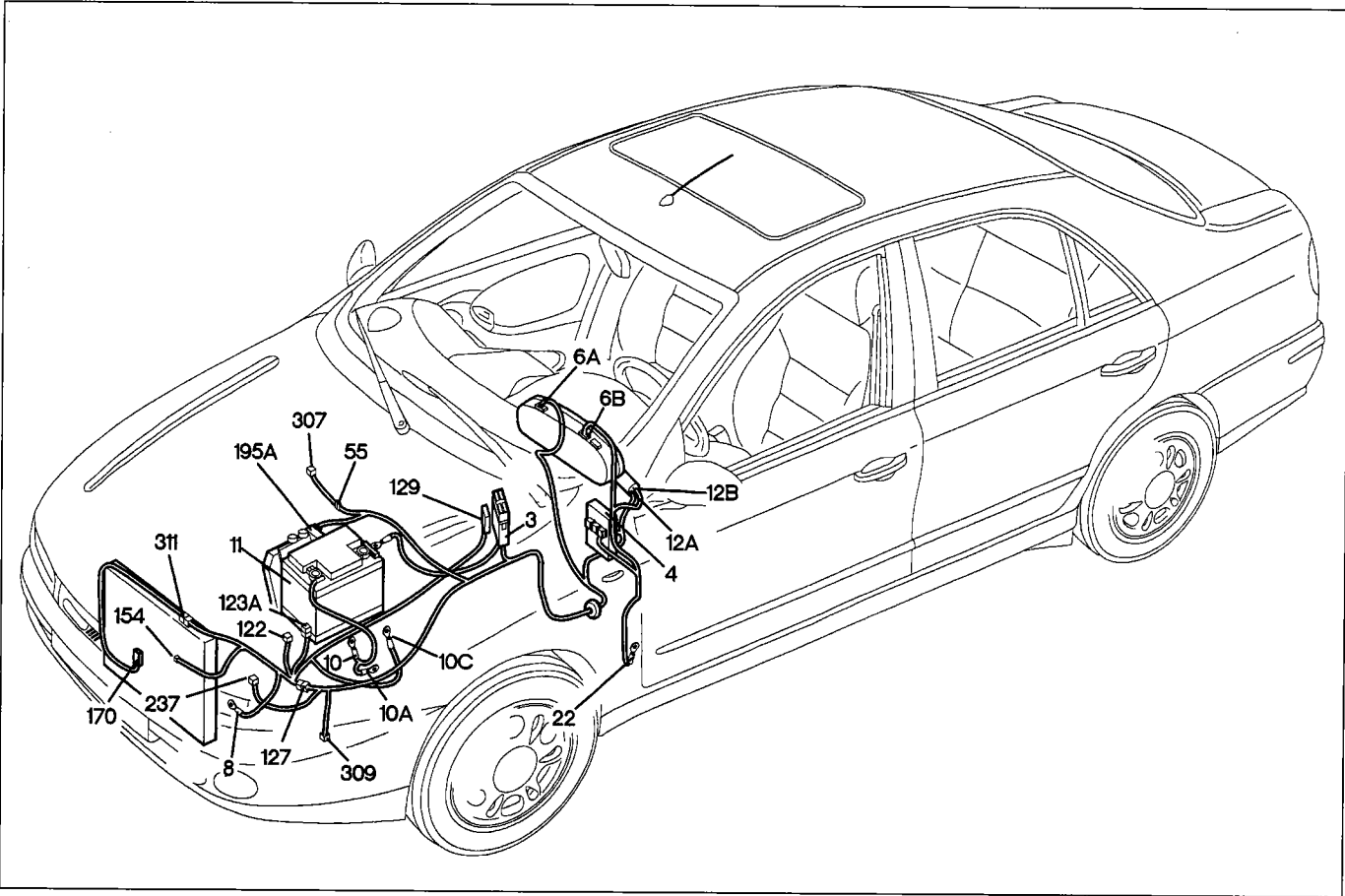
Versions with air conditioner
Engine cooling system - Coolant temperature gauge



Location of components



55.



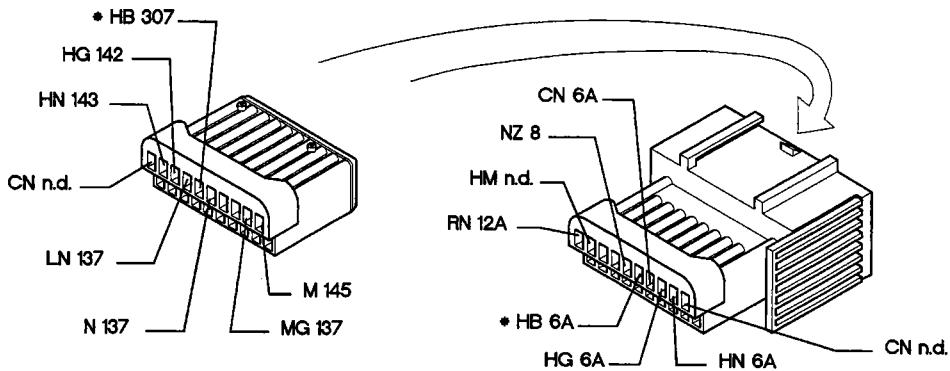
P4F507N01

Versions with air conditioner
Engine cooling system - Coolant temperature gauge

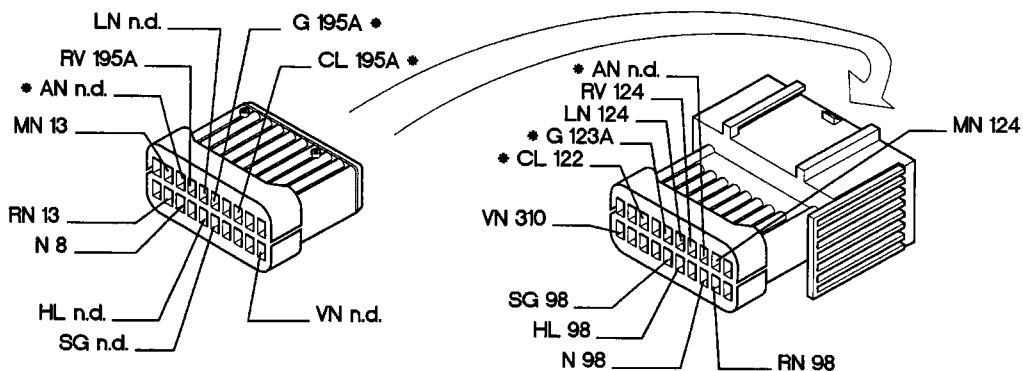
Key to components

- | | |
|--|--|
| 3 Power fusebox | 127 Connection between front left cable/cable on relay bracket |
| 4 Fuse and relay unit | 129 Power fuse protecting engine cooling fan cables |
| 6 Instrument panel | 154 Engine cooling fan |
| 8 Front left earth | 170 Resistor for engine cooling fan |
| 10 Battery earth on engine | 195 Fuel injection/ignition electronic control unit |
| 10A Battery earth on bodyshell | 237 Fuse protecting Fiat CODE |
| 10C Battery earth for air conditioner | 307 Water temperature double sender unit |
| 11 Battery | 309 4-stage pressure switch |
| 12 Ignition switch | 311 Connection for electric fan resistor |
| 22 Left dashboard earth | N.D. Ultrasound-soldered joint taped in wiring loom |
| 55 Front left/engine cables connection | |
| 122 Engine cooling fan low speed relay | |
| 123A Engine cooling fan high speed relay | |

55 Front left/engine cables connection

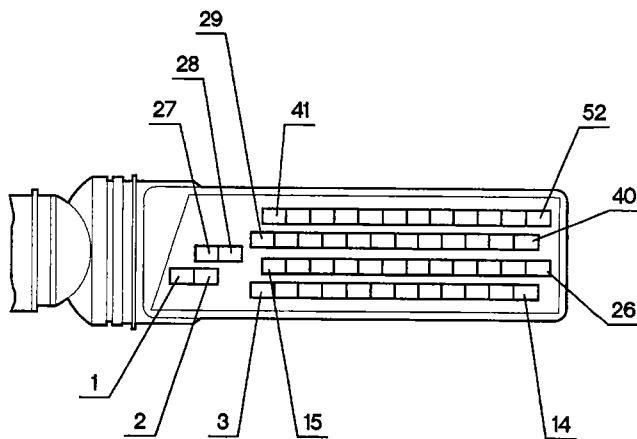


127 Connection between front left cable/cable on relay bracket



195A Fuel injection/ignition electronic control unit

4 L 6A	28 N 10B
9 LN 141	29 RN n.d.
13 GV 131B	35 A 309 *
14 G 127 *	40 CL 127 *
15 SB 150	41 RV 127
20 L 141	47 C n.d.
21 AR 309 *	48 S 309
25 BR 139	50 HM n.d.
26 LN 6A	52 RG 13
27 N 10B	

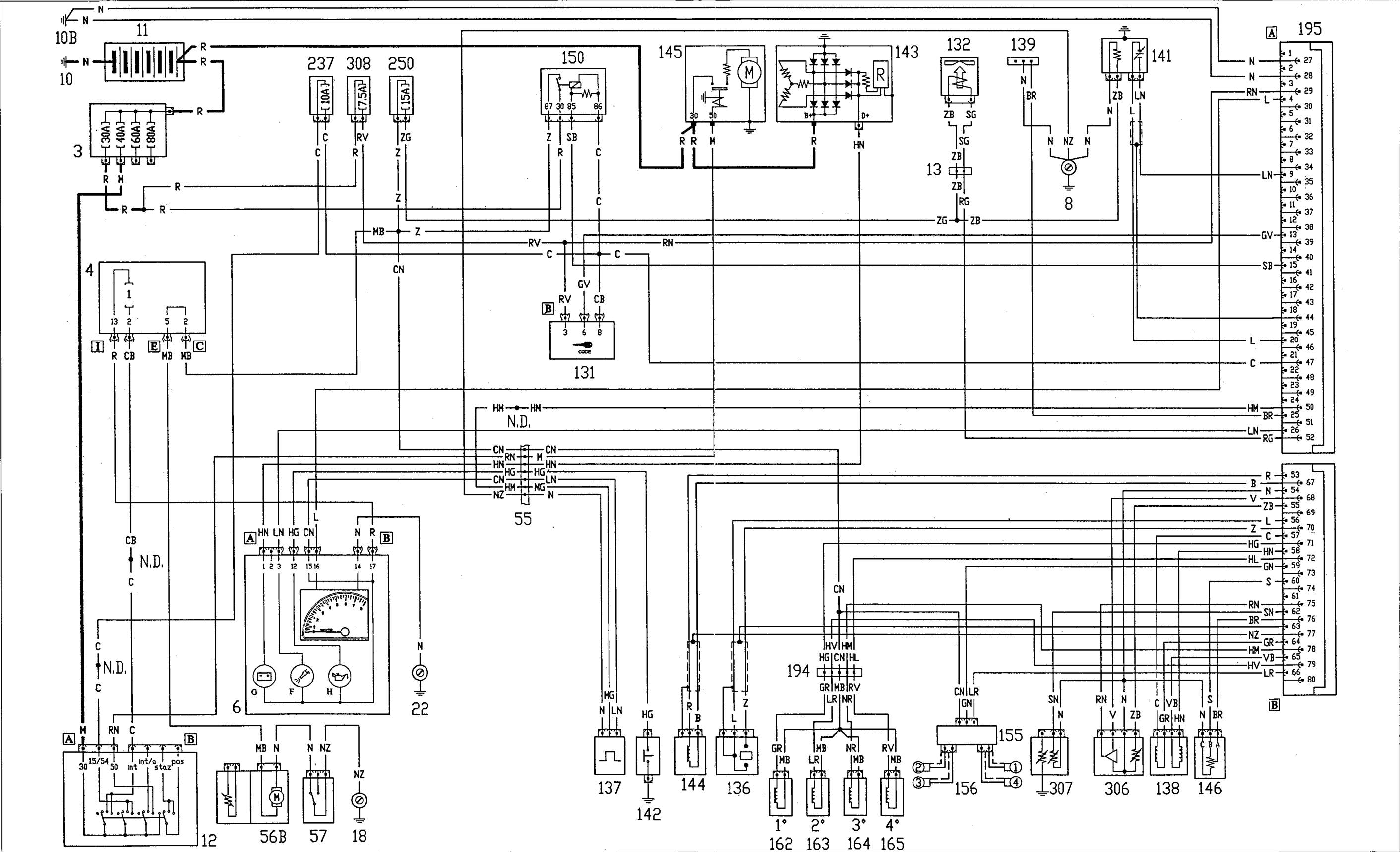


* The cables involved in the wiring diagram are marked with an asterisk.

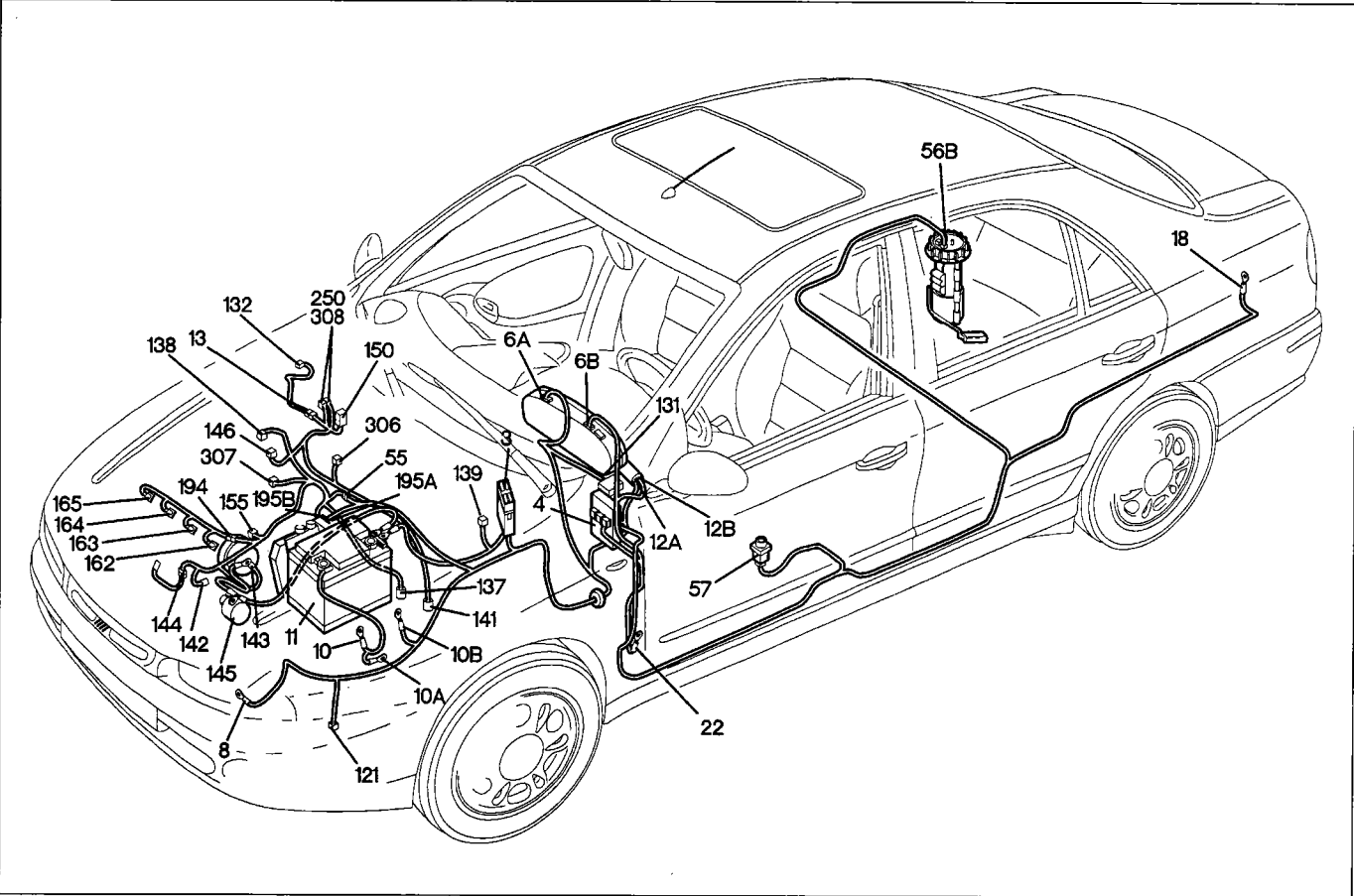
P4F507N02

55.

Starter - Electronic ignition and fuel injection - Recharging and warning light - Low engine oil pressure warning light - Fuel injection fault warning light



55.



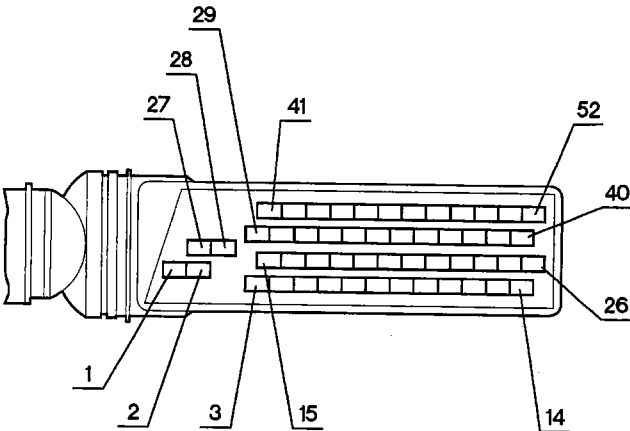
Starter - Electronic ignition and fuel injection - Recharging and warning light - Low engine oil pressure warning light - Fuel injection fault warning light

Key to components

- | | |
|--|--|
| 3 Power fusebox | 142 Low oil pressure warning light switch |
| 4 Fuse and relay unit | 143 Alternator |
| 6 Instrument panel | 144 Rpm and TDC sensor |
| 8 Front left earth | 145 Starter motor |
| 10 Battery earth on engine | 146 Potentiometer on throttle valve |
| 10A Battery earth on bodyshell | 150 Fuel injection relay |
| 10B Battery earth for fuel injection | 155 Ignition coils assembly |
| 11 Battery | 162 Injector (1st) |
| 12 Ignition switch | 163 Injector (2nd) |
| 13 Front right/left cables connection | 164 Injector (3rd) |
| 18 Rear left earth | 165 Injector (4th) |
| 22 Left dashboard earth | 194 Fuel injection cables/injector flange connection |
| 55 Front left/engine cables connection | 195 Fuel injection/ignition electronic control unit |
| 56 Fuel gauge sender unit | 237 Fuse protecting Fiat CODE |
| 57 Inertial switch | 250 Fuse protecting fuel pump |
| 131 Fiat CODE electronic control unit | 306 Integrated air temperature/pressure sender unit |
| 132 Petrol vapours cut-off solenoid | 307 Water temperature double sender unit |
| 136 Knock sensor | 308 Fuel injection and CODE fuse |
| 137 Vehicle speed sensor | |
| 138 Idle speed adjustment actuator | |
| 139 Diagnostic socket for fuel injection | |
| 141 Heated Lambda probe | |
- N.D. Ultrasound-soldered joint taped in wiring loom

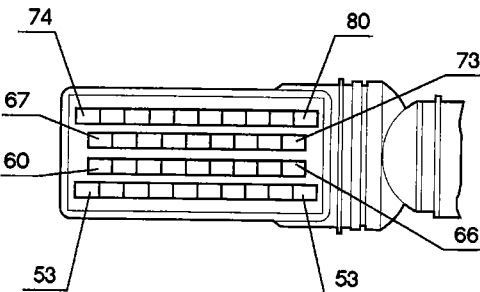
195A Fuel injection/ignition electronic control unit

- | | |
|--------------|--------------|
| 4 L 6A * | 28 N 10B * |
| 9 LN 141 * | 29 RN n.d. * |
| 13 GV 131B * | 35 A 309 |
| 14 G 127 | 40 CL 127 |
| 15 SB 150 * | 41 RV 127 |
| 20 L 141 * | 47 C n.d. * |
| 21 AR 309 | 48 S 309 |
| 25 BR 139 * | 50 HM n.d. * |
| 26 LN 6A * | 52 RG 13 * |
| 27 N 10B * | |



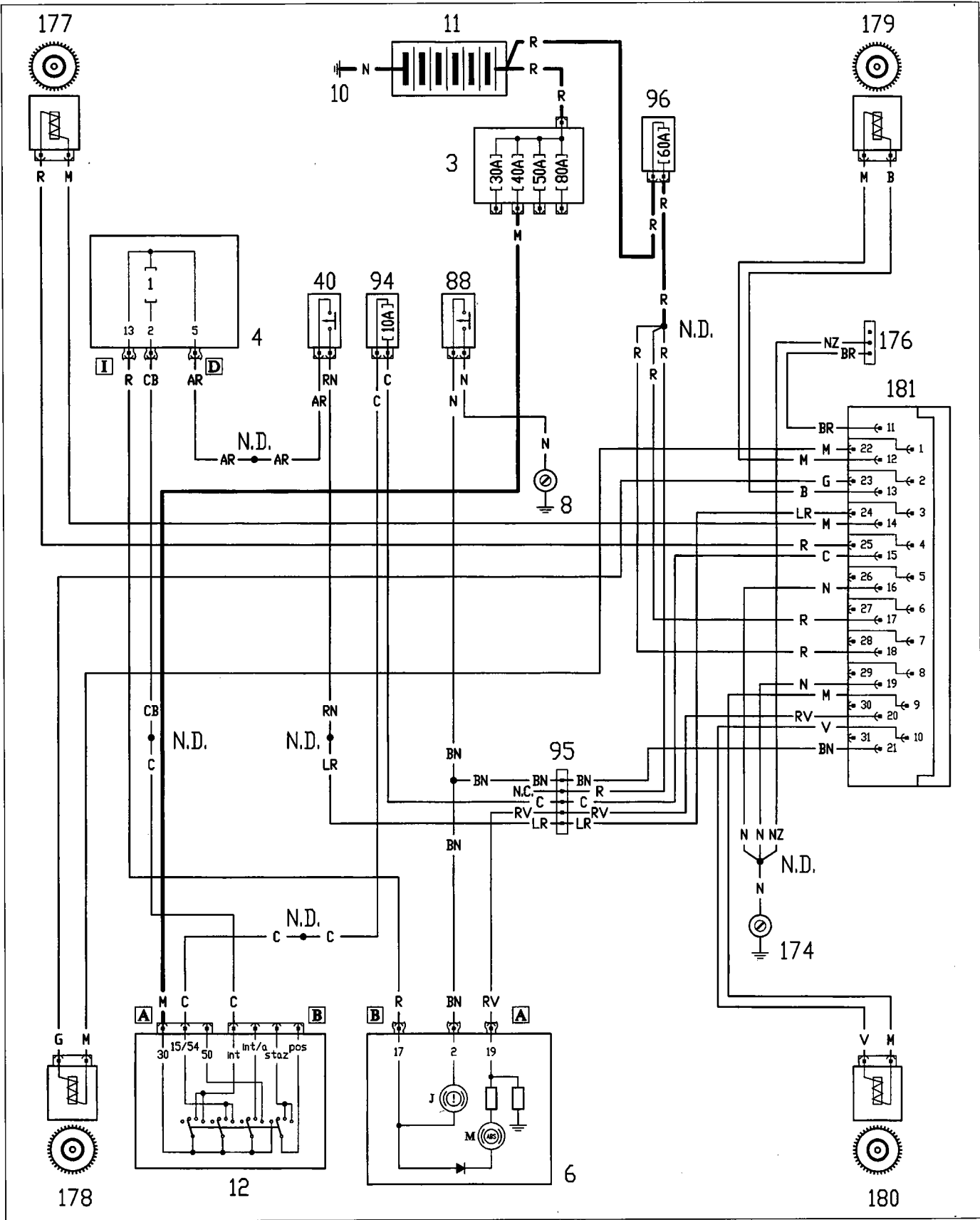
195B Fuel injection/ignition electronic control unit

- | | |
|-------------|--------------|
| 53 R 144 * | 67 B 144 * |
| 54 N n.d. * | 68 V 306 * |
| 55 ZB 306 * | 70 Z 136 * |
| 56 L 136 * | 71 HG 194 * |
| 57 C 138 * | 72 HL 194 * |
| 58 HN 138 * | 75 RG 306 * |
| 59 GN 155 * | 76 BR 146 * |
| 60 S 146 * | 77 NZ n.d. * |
| 62 SN 307 * | 78 HM 194 * |
| 64 GR 138 * | 79 HV 194 * |
| 65 VB 138 * | |
| 66 LR 155 * | |

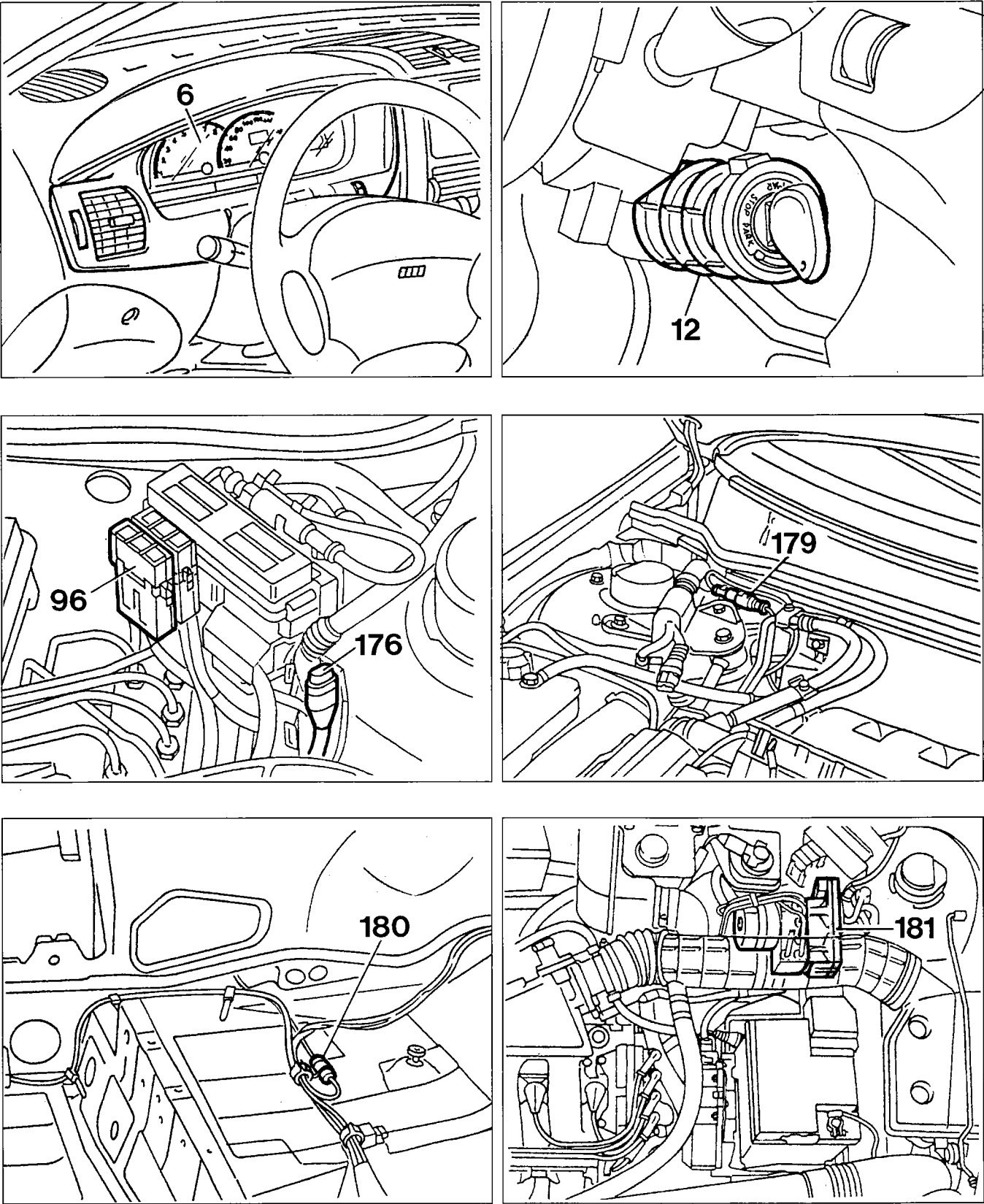


* The cables involved in the wiring diagram are marked with an asterisk.

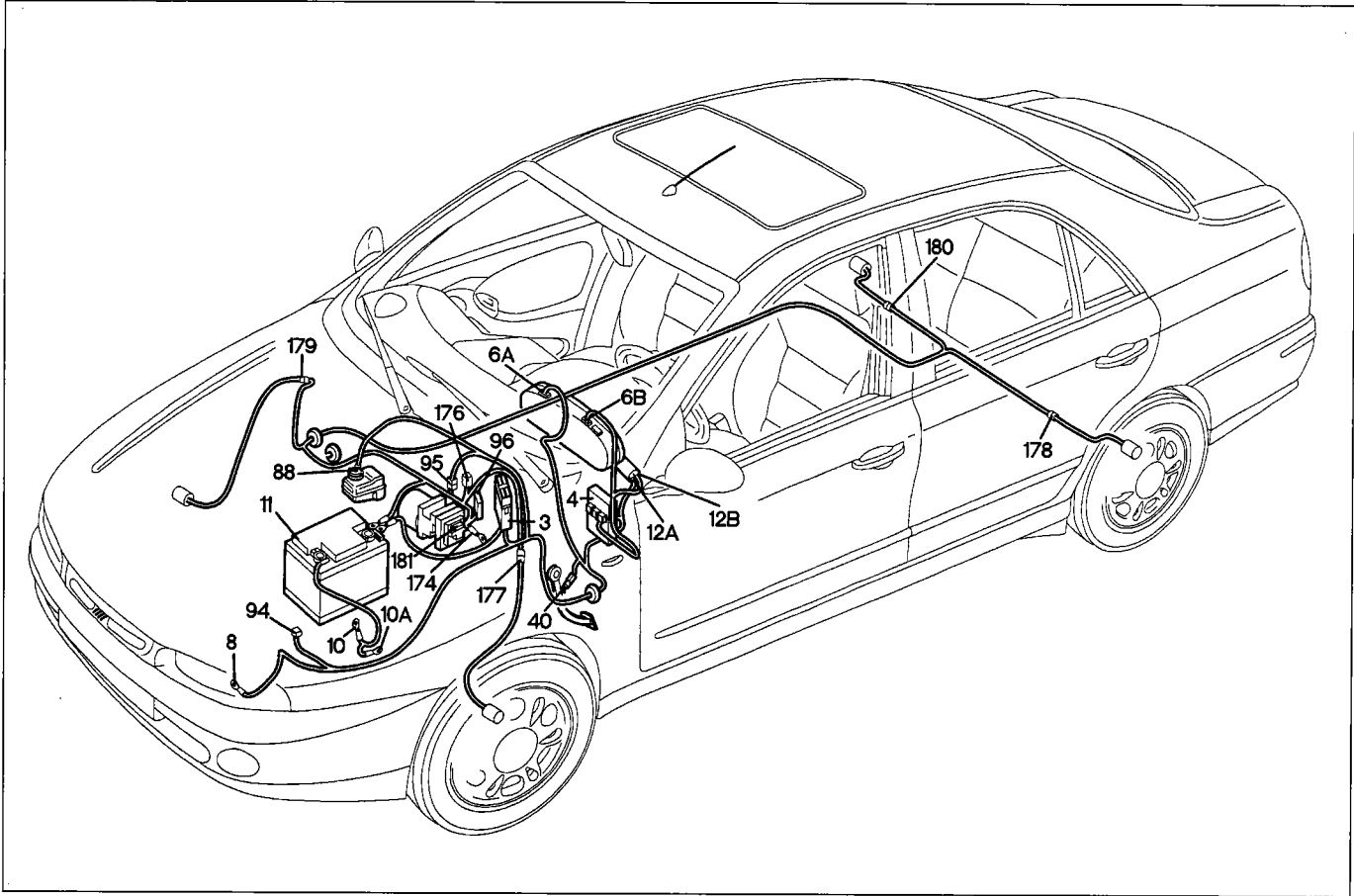
Anti-lock braking system (A.B.S.) and fault warning light



Location of components



55.



Anti-lock braking system (A.B.S.) and warning light

Key to components

- 3 Power fusebox
- 4 Fuse and relay unit
- 6 Instrument panel
- 8 Front left earth
- 10 Battery earth on engine
- 10A Battery earth on bodyshell
- 11 Battery
- 12 Ignition switch
- 40 Stop lights switch
- 88 Low brake fluid level sensor
- 94 Fuse protecting anti-lock braking system (A.B.S.)
- 95 Connection between front cables/anti-lock braking system (A.B.S.)
- 96 Power fuse protecting A.B.S. electrical system

- 174 Power earth for anti-lock braking system (A.B.S.)
- 176 Diagnostic socket for anti-lock braking system (A.B.S.)
- 177 Sensor on front left wheel for anti-lock braking system (A.B.S.)
- 178 Sensor on rear left wheel for anti-lock braking system (A.B.S.)
- 179 Sensor on front right wheel for anti-lock braking system (A.B.S.)
- 180 Sensor on rear right wheel for anti-lock braking system (A.B.S.)
- 181 Electrohydraulic unit for anti-lock braking system (A.B.S.)

N.D. Ultrasound-soldered joint taped in wiring loom

6A Instrument panel

40 Stop lights switch

95 Connection between front cables/anti-lock braking system (A.B.S.)

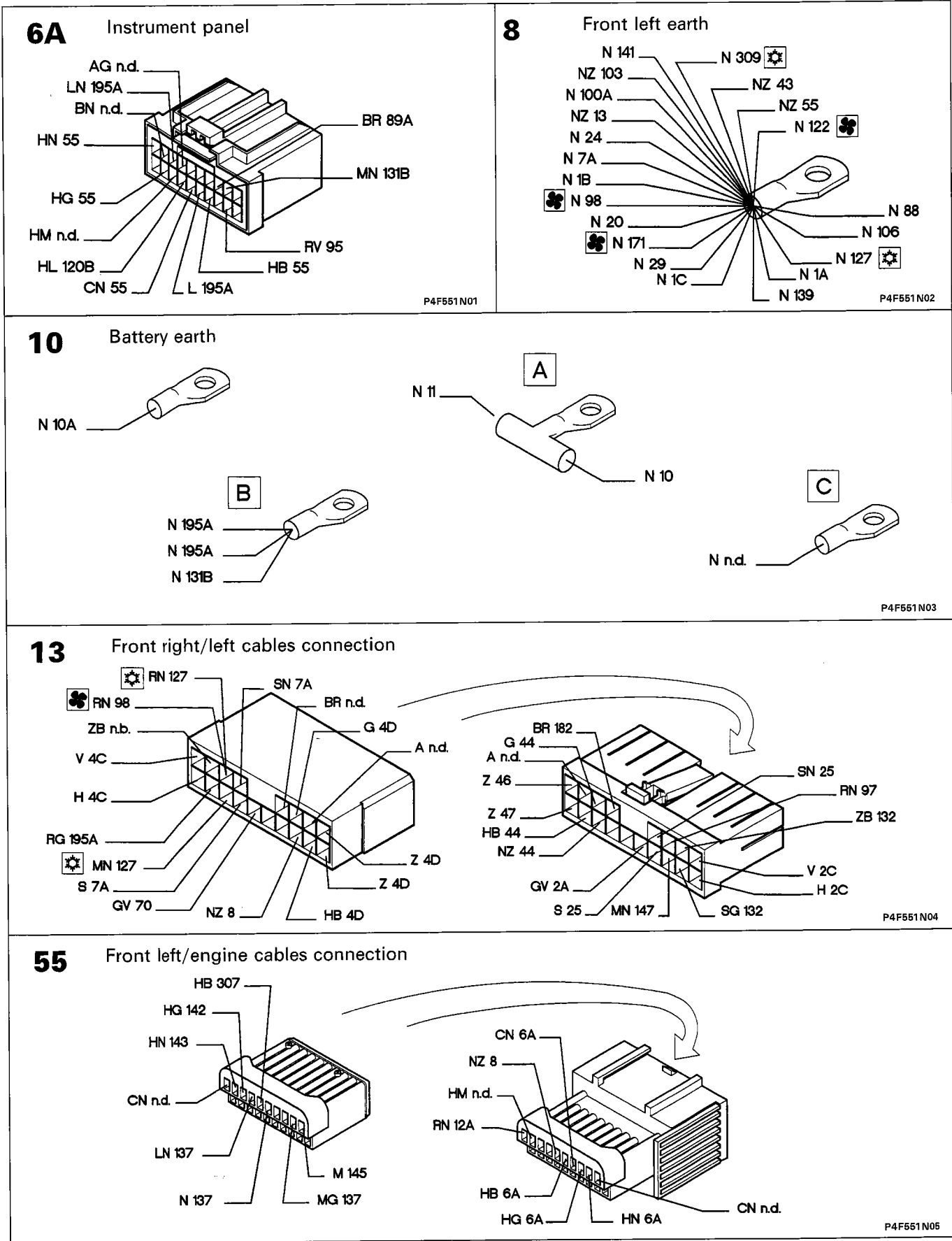
176 Diagnostic socket for anti-lock braking system (A.B.S.)

181 Electrohydraulic unit for anti-lock braking system (A.B.S.)

9	M 180 *	15	C 95 *	21	BN 95 *
10	V 180 *	16	N n.d. *	22	M 178 *
11	BR 176 *	17	R n.d. *	23	G 178 *
12	M 179 *	18	R n.d. *	24	LR 95 *
13	B 179 *	19	N n.d. *	25	R 177 *
14	M 177 *	20	RV 95 *		

* The cables involved in the wiring diagram are marked with an asterisk.

P4F513N02



70

Dashboard/front cables connection

Diagram showing the connection of dashboard and front cables to connector block 70. The diagram includes two views of the connector block with various terminals labeled: Z 34A, C 28A, Z 36, S 36, G 6C, AG n.d., HR n.d., HN n.d., HG n.d., HV n.d., C n.d., AR 244B, G 45, AG 4J, AB n.d., AV 6C, GL 6C, GV 6C, M n.d., G 4D, AG n.d., N 100B, AB 4D, GL 1A, GV 13, M 29, AR 120B, C 120B, N 100B, N 100B, N 100A, N 100B, N 100A, Z 120B, S 120B, AV 4D, AN 4C, N 100B.

P4F552N01

88

Low brake fluid level sensor

Diagram showing the connection of the low brake fluid level sensor to connector block 88. The diagram shows a single terminal labeled BN n.d. and N 8.

P4F552N02

95

Connection between front cables/anti-lock braking system (A.B.S.)

Diagram showing the connection between front cables and the anti-lock braking system (A.B.S.) to connector block 95. The diagram shows two views of the connector block with various terminals labeled: BN n.d., C 94, LR n.d., RV 6A, LR 181, RV 181, C 181, R n.d., BN 181.

P4F552N03

120B

Air conditioner cables connection

Diagram showing the connection of air conditioner cables to connector block 120B. The diagram includes two views of the connector block with various terminals labeled: Z 70, GN 4D, HL 6A, AR 70, VG 309, S 70, C 70, Z n.d., S 253B, RG n.d., VG 253B, CB 253B, GN n.d., B 253B.

P4F552N04

122

Engine cooling fan low speed relay

Diagram showing the connection of the engine cooling fan low speed relay to connector block 122. The diagram shows two views of the connector block with various terminals labeled: N n.d., L 311, CL 127, AN n.d., N 8, N 154, C n.d., CL 195A.

P4F552N05

123A Engine cooling fan high speed relay

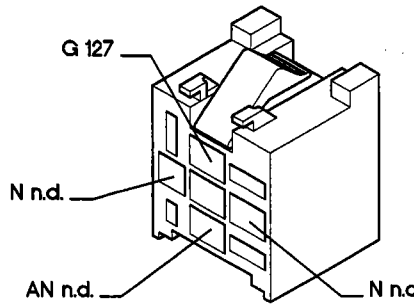


Diagram of connector block 123A showing terminals: G 127, N n.d., AN n.d., and N n.d.

P4F553N01

124 Air conditioner compressor relay

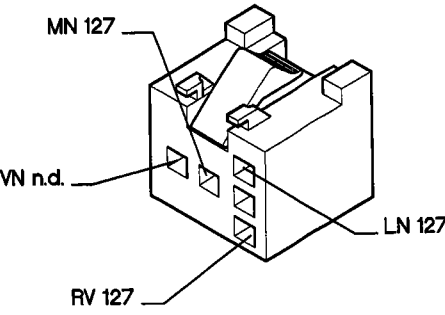


Diagram of connector block 124 showing terminals: MN 127, VN n.d., LN 127, and RV 127.

P4F553N02

127 Connection between front left cable/cable on relay bracket

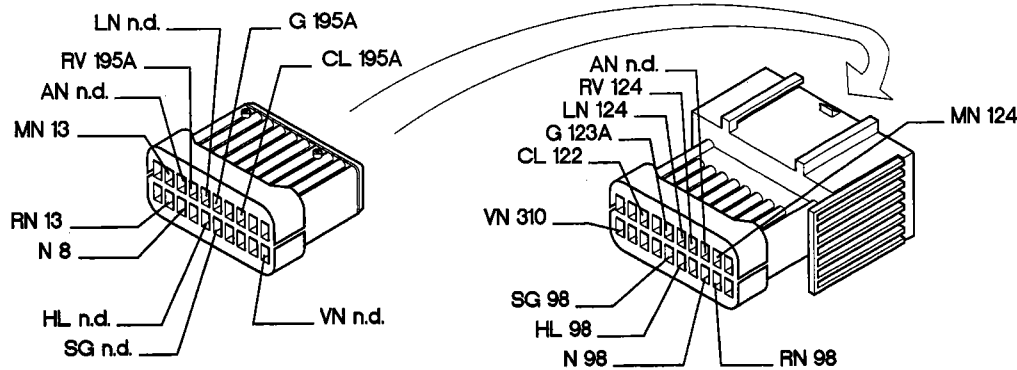


Diagram showing the connection between two connector blocks. Left block terminals: LN n.d., RV 195A, AN n.d., MN 13, RN 13, N 8, HL n.d., SG n.d., VN n.d., G 195A, CL 195A. Right block terminals: AN n.d., RV 124, LN 124, G 123A, CL 122, VN 310, SG 98, HL 98, N 98, RN 98, MN 124.

P4F553N03

129 Power fuse protecting engine cooling fan

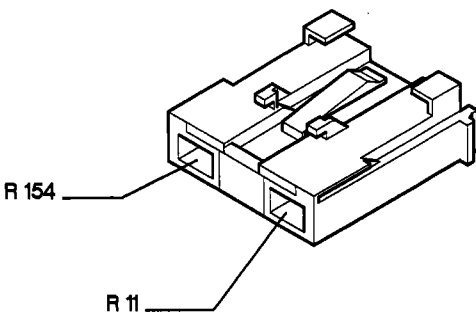


Diagram of connector block 129 showing terminals: R 154 and R 11.

P4F553N04

131 Fiat CODE electronic control unit

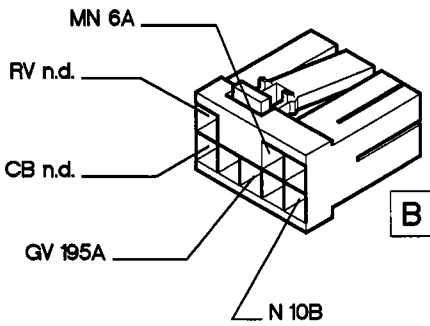


Diagram of connector block 131 showing terminals: MN 6A, RV n.d., CB n.d., GV 195A, and N 10B.

P4F553N05

132 Petrol vapour cut-off solenoid (canister)

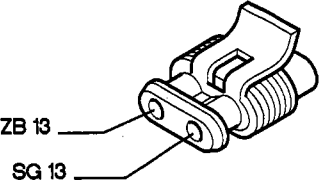


Diagram of connector block 132 showing terminals: ZB 13 and SG 13.

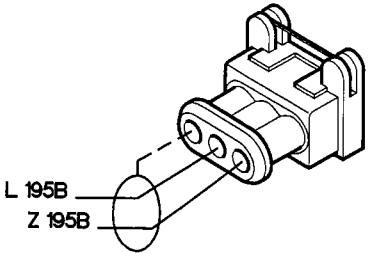
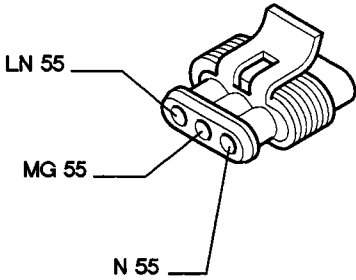
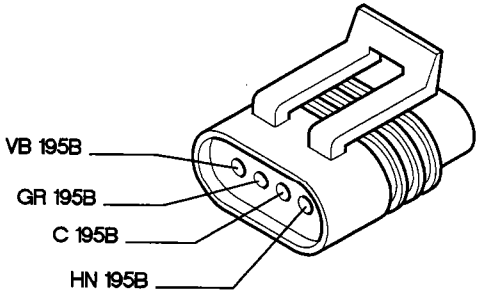
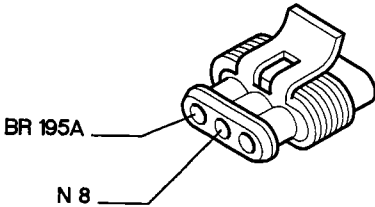
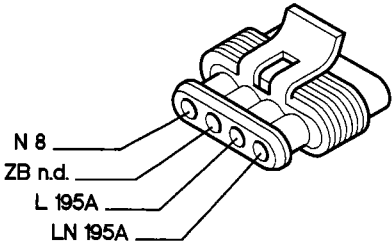
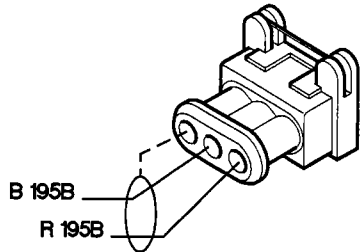
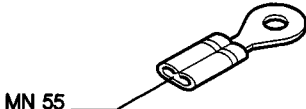
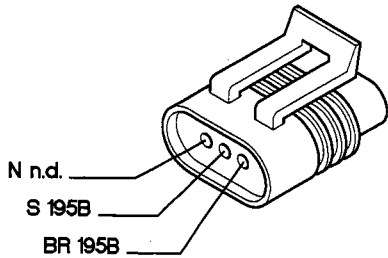
P4F553N06

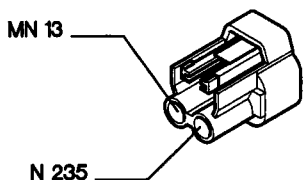
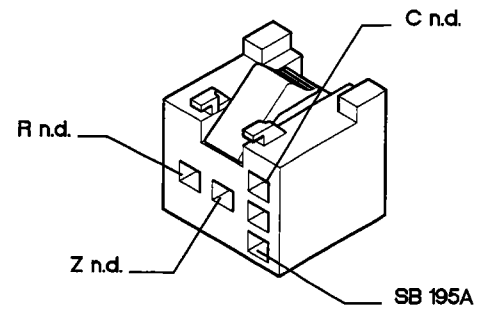
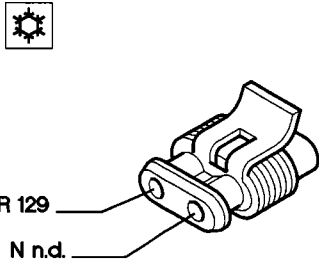
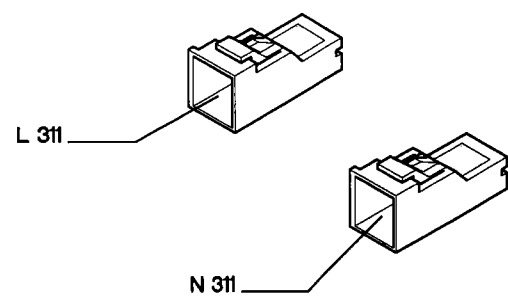
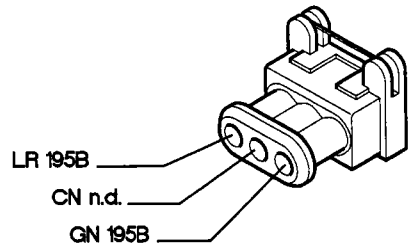
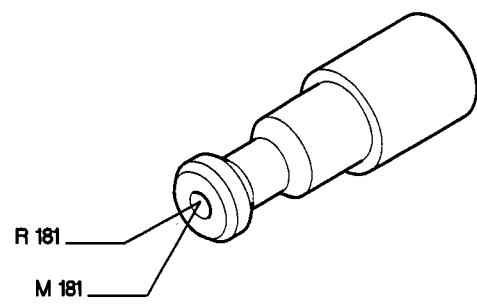
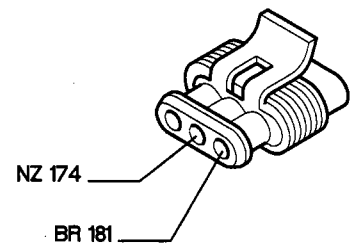
4F29AN

Copyright Fiat Auto

17

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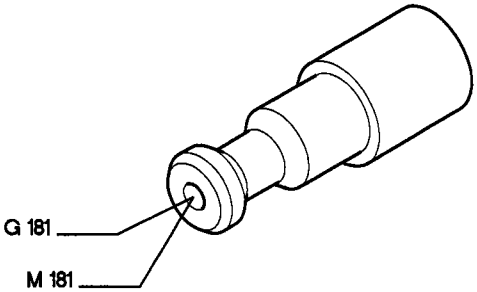
<div><div>136</div><div>Knock sensor</div><div></div><div>P4F554N01</div></div>	<div><div>137</div><div>Vehicle speed sensor</div><div></div><div>P4F554N02</div></div>
<div><div>138</div><div>Idle speed actuator</div><div></div><div>P4F554N03</div></div>	<div><div>139</div><div>Diagnostic socket for fuel injection</div><div></div><div>P4F554N04</div></div>
<div><div>141</div><div>Heated Lambda probe</div><div></div><div>P4F554N05</div></div>	<div><div>144</div><div>Rpm and TDC sensor</div><div></div><div>P4F554N06</div></div>
<div><div>145</div><div>Starter motor</div><div></div><div>P4F554N07</div></div>	<div><div>146</div><div>Potentiometer on throttle valve</div><div></div><div>P4F554N08</div></div>

<p>147 Compressor for air conditioner</p>  <p>MN 13 N 235</p> <p>P4F555N01</p>	<p>150 Fuel injection relay</p>  <p>R n.d. Z n.d. C n.d. SB 195A</p> <p>P4F555N02</p>
<p>154 Engine cooling fan</p>  <p>R 129 N n.d.</p> <p>P4F555N03</p>	<p>170 Resistor for engine cooling fan</p>  <p>L 311 N 311</p> <p>P4F555N05</p>
<p>155 Ignition coils assembly</p>  <p>LR 195B CN n.d. GN 195B</p> <p>P4F555N04</p>	<p>177 Sensor on front left wheel for anti-lock braking system (A.B.S.)</p>  <p>R 181 M 181</p> <p>P4F555N07</p>
<p>176 Diagnostic socket for anti-lock braking system (A.B.S.)</p>  <p>NZ 174 BR 181</p> <p>P4F555N06</p>	

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178

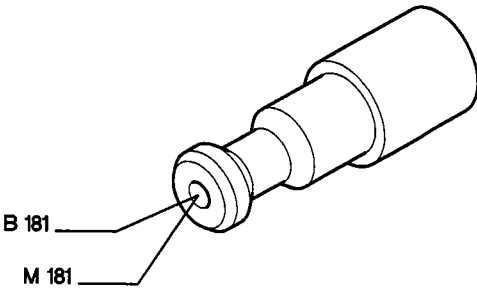
Sensor on rear left wheel for anti-lock braking system (A.B.S.)



P4F556N01

179

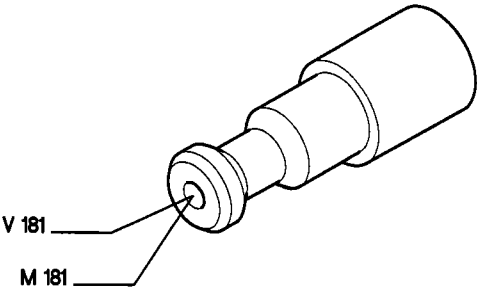
Sensor on front right wheel for anti-lock braking system (A.B.S.)



P4F556N02

180

Sensor on rear right wheel for anti-lock braking system (A.B.S.)

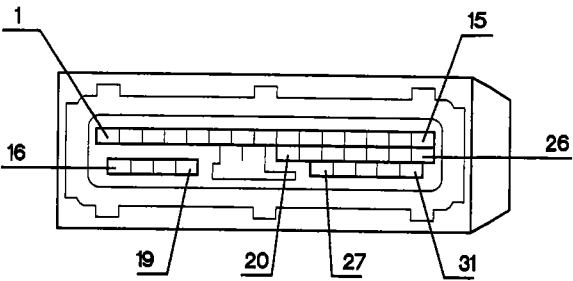


P4F556N03

181

Electrohydraulic unit for anti-lock braking system (A.B.S.)

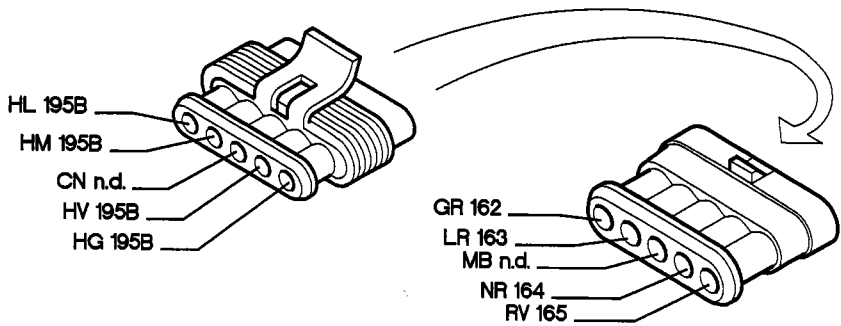
9	M 180	15	C 95	21	BN 95
10	V 180	16	N n.d.	22	M 178
11	BR 176	17	R n.d.	23	G 178
12	M 179	18	R n.d.	24	LR 95
13	B 179	19	N n.d.	25	R 177
14	M 177	20	RV 95		



P4F556N04

194

Fuel injection cables/injector flange connection

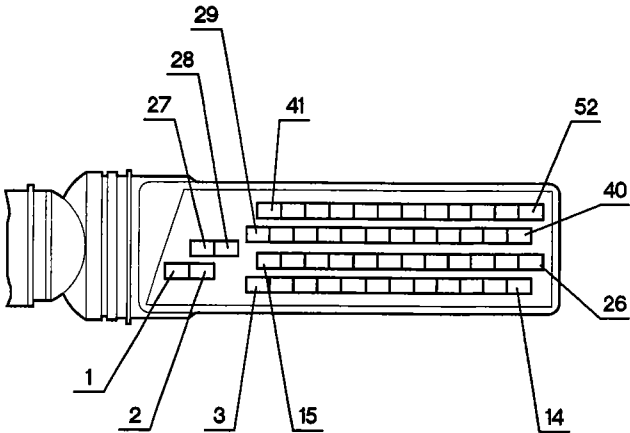


P4F556N05

195A Fuel injection/ignition electronic control unit (1581)



<u>4</u>	L 6A	<u>28</u>	N 10B
<u>9</u>	LN 141	<u>29</u>	RN n.d.
<u>13</u>	GV 131B	<u>35</u>	A 309
<u>14</u>	G 127	<u>40</u>	CL 127
<u>15</u>	SB 150	<u>41</u>	RV 127
<u>20</u>	L 141	<u>47</u>	C n.d.
<u>21</u>	AR 309	<u>48</u>	S 309
<u>25</u>	BR 139	<u>50</u>	HM n.d.
<u>26</u>	LN 6A	<u>52</u>	RG 13
<u>27</u>	N 10B		

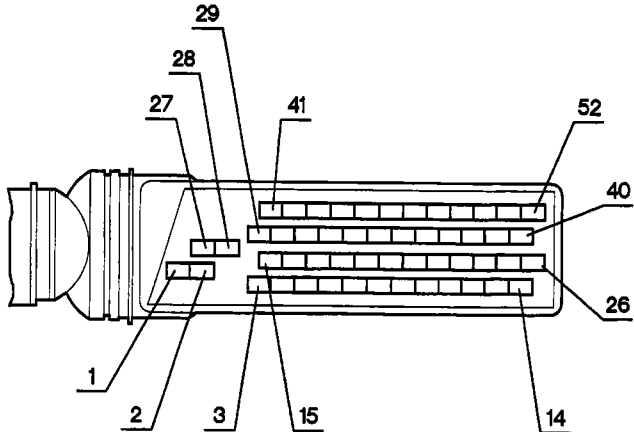


P4F557N01

195A Fuel injection/ignition electronic control unit (1581)



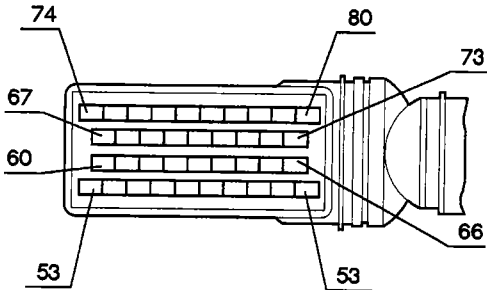
<u>4</u>	L 6A	<u>28</u>	N 10B
<u>9</u>	LN 141	<u>29</u>	RN n.d.
<u>13</u>	GV 131B	<u>40</u>	CL 127
<u>15</u>	SB 150	<u>47</u>	C n.d.
<u>20</u>	L 141	<u>50</u>	HM n.d.
<u>25</u>	BR 139	<u>52</u>	RG 13
<u>26</u>	LN 6A		
<u>27</u>	N 10B		



P4F557N02

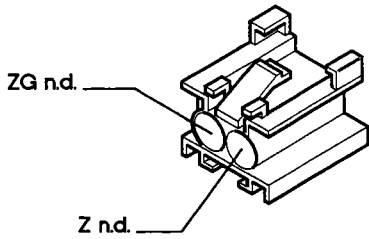
195B Fuel injection/ignition electronic control unit (1581)

- | | | | |
|----|--------|----|---------|
| 53 | R 144 | 67 | B 144 |
| 54 | N n.d. | 68 | V 306 |
| 55 | ZB 306 | 70 | Z 136 |
| 56 | L 136 | 71 | HG 194 |
| 57 | C 138 | 72 | HL 194 |
| 58 | HN 138 | 75 | RG 306 |
| 59 | GN 155 | 76 | BR 146 |
| 60 | S 146 | 77 | NZ n.d. |
| 62 | SN 307 | 78 | HM 194 |
| 64 | GR 138 | 79 | HV 194 |
| 65 | VB 138 | | |
| 66 | LR 155 | | |



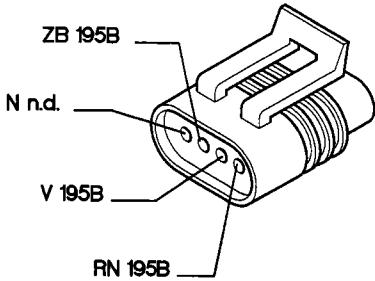
P4F558N01

250 Fuse protecting fuel pump



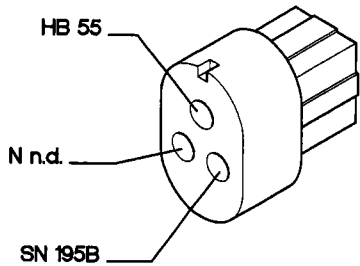
P4F558N02

306 Integrated air temperature/pressure sender unit



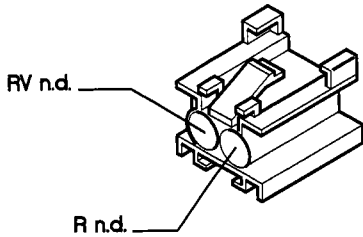
P4F558N03

307 Water temperature double sender unit



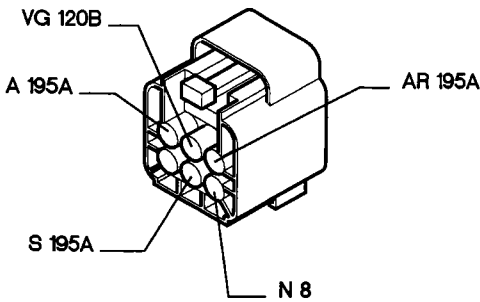
P4F558N04

308 Fuse protecting fuel injection and Code



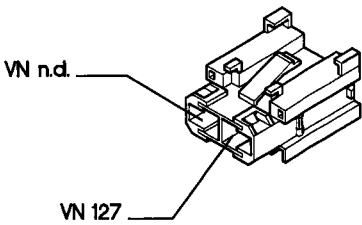
P4F558N05

309 4-stage pressure switch



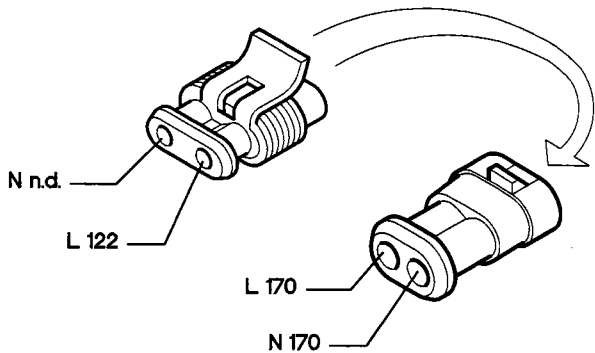
P4F559N01

310 Fuse protecting headlamp washer and air conditioner






P4F559N02

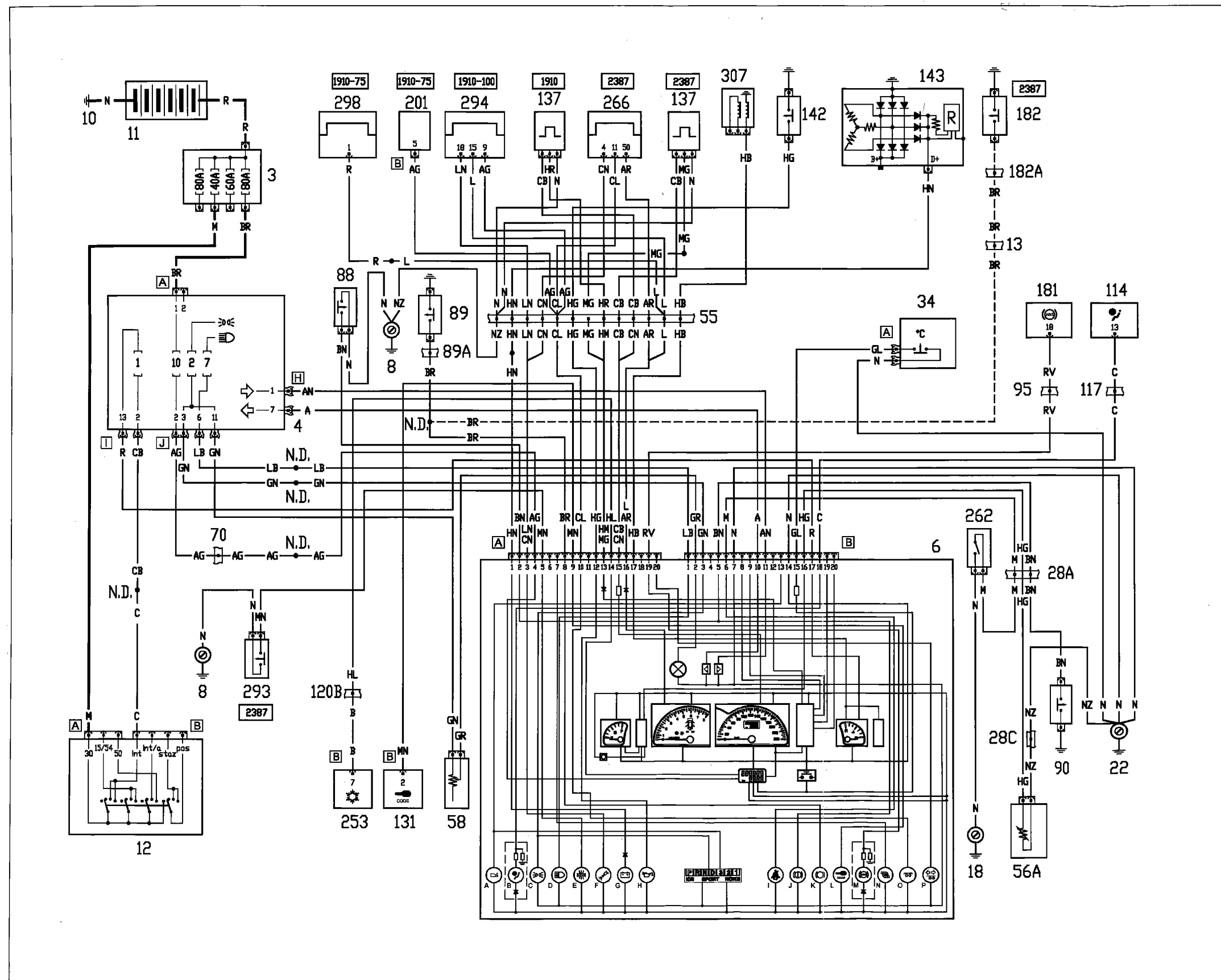
311 Electric fan resistor connection



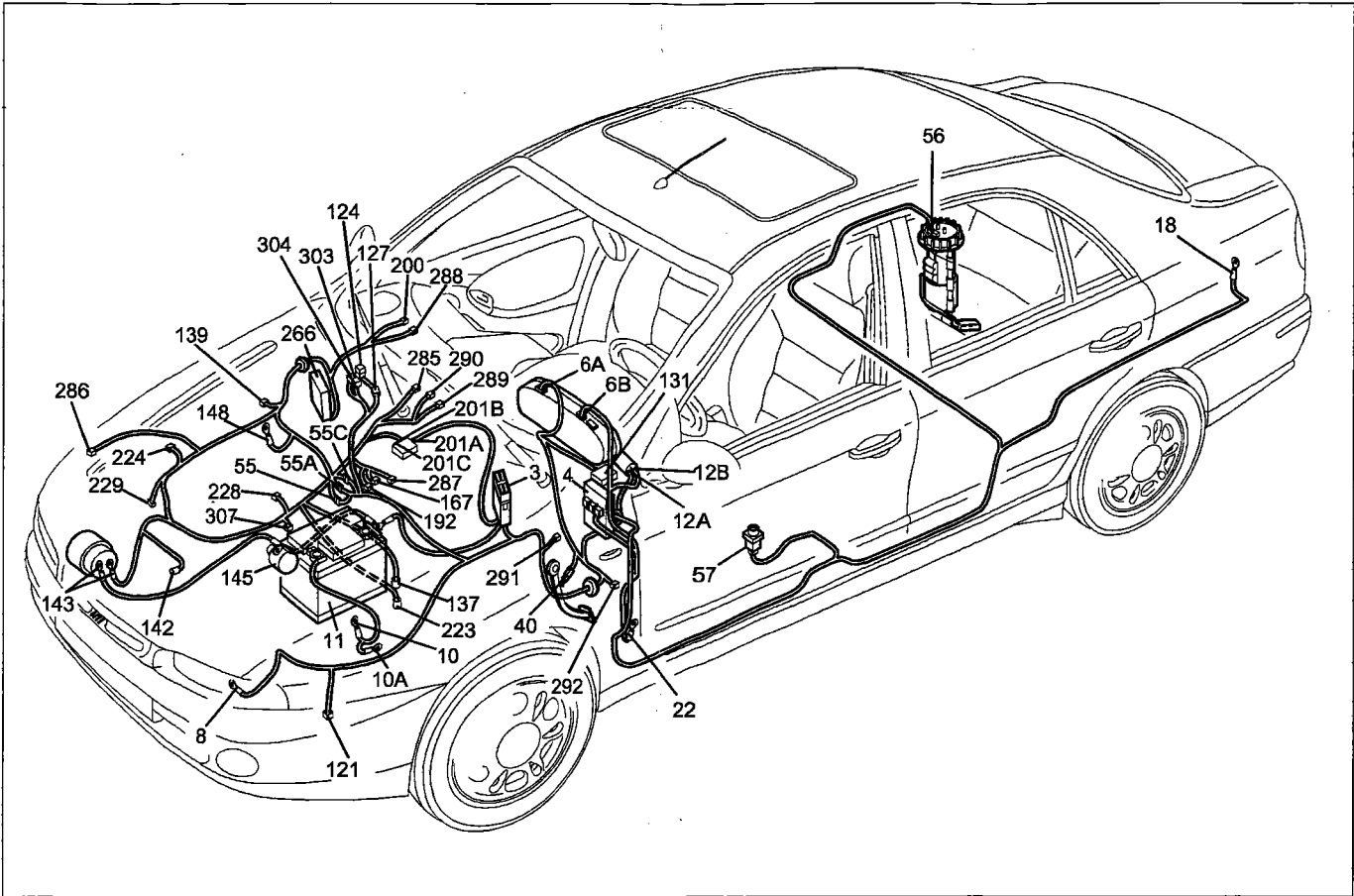
P4F559N03

DESCRIPTION	Marea - Marea Weekend		
		 TD	 TD
Fuel level gauge and reserve warning light - Handbrake applied and insufficient brake fluid level warning light - Speedometer - Milometer/trip meter display and zeroing button - Engine coolant temperature gauge - Insufficient engine oil pressure warning light - Front brake pad wear warning light - Seat belt warning light	1	-	-
Fiat CODE and warning light	3	-	-
Climate control/thermostatically adjusted heater	5	-	-
Versions with climate control Engine cooling - Engine coolant temperature gauge	7	-	-
Versions without climate control Engine cooling - Engine coolant temperature gauge - Manually operated heater: car interior ventilation	9	-	-
Starting - Electronic injection and ignition - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter	11	-	-
Anti-lock brakes (A.B.S.) and failure warning light	13		-
Instrument panel connections	-	14/1	-
Starting - Electronic injection - Recharging and warning light - Insufficient engine oil pressure warning light - Heater plugs warning light - Injection system failure warning light - Fuel pre-heating	-	14/3	-
Engine cooling (from July '98)	-	-	14/5

Instrument panel connections (TD engine)



55.



Starting - Electronic injection - Recharging and warning light - Low engine oil pressure warning light - Heater plug warning light - Fuel injection fault warning light - Fuel preheating (2387 engine)

Key to components

- 3 Power fuse box

4 Fuse and relay unit

6 Instrument panel

8 Front left earth

10 Battery earth on engine

10A Battery earth on body shell

11 Battery

12 Ignition switch

18 Rear left earth

22 Left dashboard earth

40 Stop lights switch

55 Front left/engine cables connection

55A Front left/engine cables connection

55C Front left/engine cables connection

56 Fuel gauge sender unit

57 Inertial switch

121 Three-stage pressure switch

124 Air conditioner compressor relay

127 Connection between front left cable/cable on relay holder bracket

131 Fiat CODE electronic control unit

137 Vehicle speed sensor

139 Diagnostic socket for fuel injection

142 Low oil pressure warning light switch
- 145 Starter motor

148 Electronic fuel injection earth

167 Air flowmeter

192 Air temperature sensor

200 Electrostop relay (TD)

201 Heater plug control unit (TD)

223 Rpm sensor (TD)

224 Instrumented fuel injector (TD)

228 Heater plugs (TD)

229 Engine cut-out electrostop (TD)

266 Fuel injection electronic control unit (2387 TD)

285 E.G.R. solenoid (TD)

286 Diesel pump (2387 TD)

287 Solenoid on diesel pump for advance (TD)

288 Electronic fuel injection relay (TD)

289 PCT thermal contact (TD)

290 PCT heater resistor (TD)

291 Throttle pedal potentiometer (2387 TD)

292 Clutch pedal switch (2387 TD)

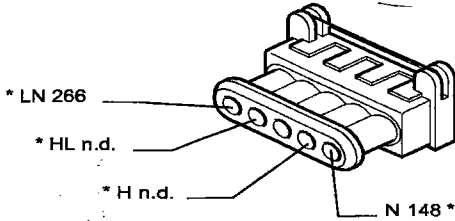
303 Diesel preheating fuse (TD)

304 Diesel preheating relay (TD)

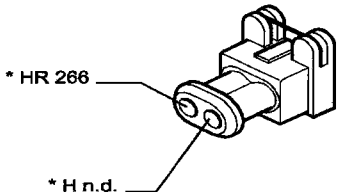
307 Water temperature double sender unit

N.D. Ultrasound-soldered joint taped in wiring loom

167 Air flow meter

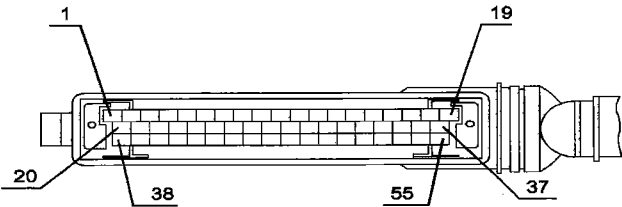


192 Air temperature sensor

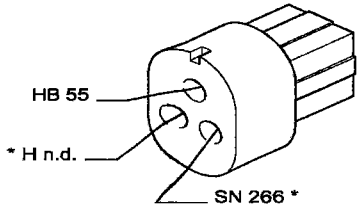


266 Fuel injection electronic control unit ((2387)

1	*A n.d.	17	*R n.d.	42	*HV 55
2	*A n.d.	18	*N 148	44	*V 55
3	*R223	19	*N n.d.	47	*B 223
4	*CN 55	21	*AV 286	50	*AR 55
5	*G 224	25	*BL 55A	52	*HR 192
6	*M 285	26	*RN 55	53	*SN 307
8	*AN 201	27	*AB 139	55	*VN n.d.
9	*NZ 55	28	*LG 55A		
10	*AG 287	29	*MG n.d.		
11	*CL 55	33	*ZB 55A		
12	*N 224	35	*MN 286		
13	*H n.d.	37	*VB 55A		
14	*AC 286	38	*LN 167		
15	*NZ 288	39	*C 286		
16	*R n.d.	41	*HM 201		

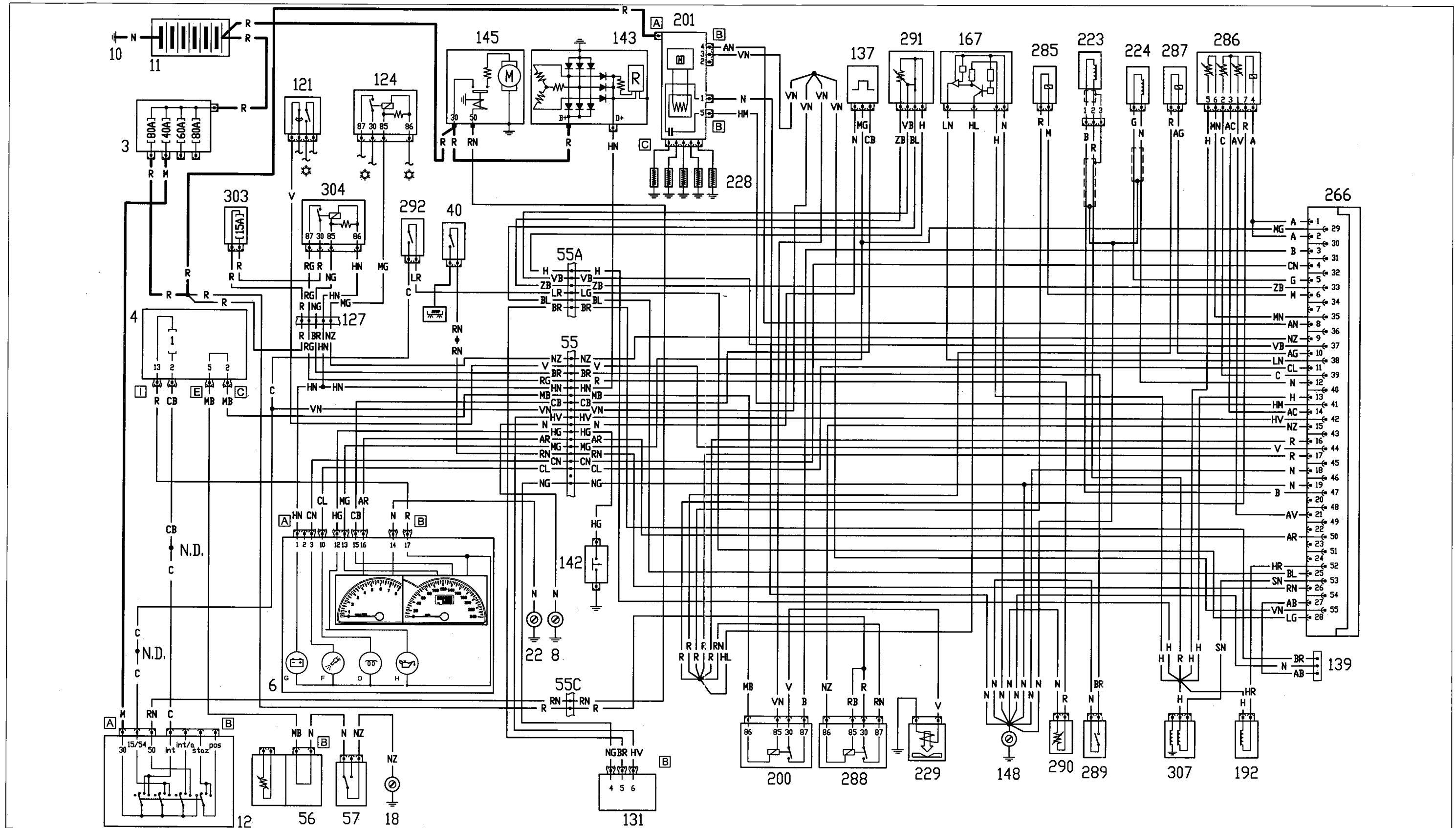


307 Water temperature gauge double sender unit

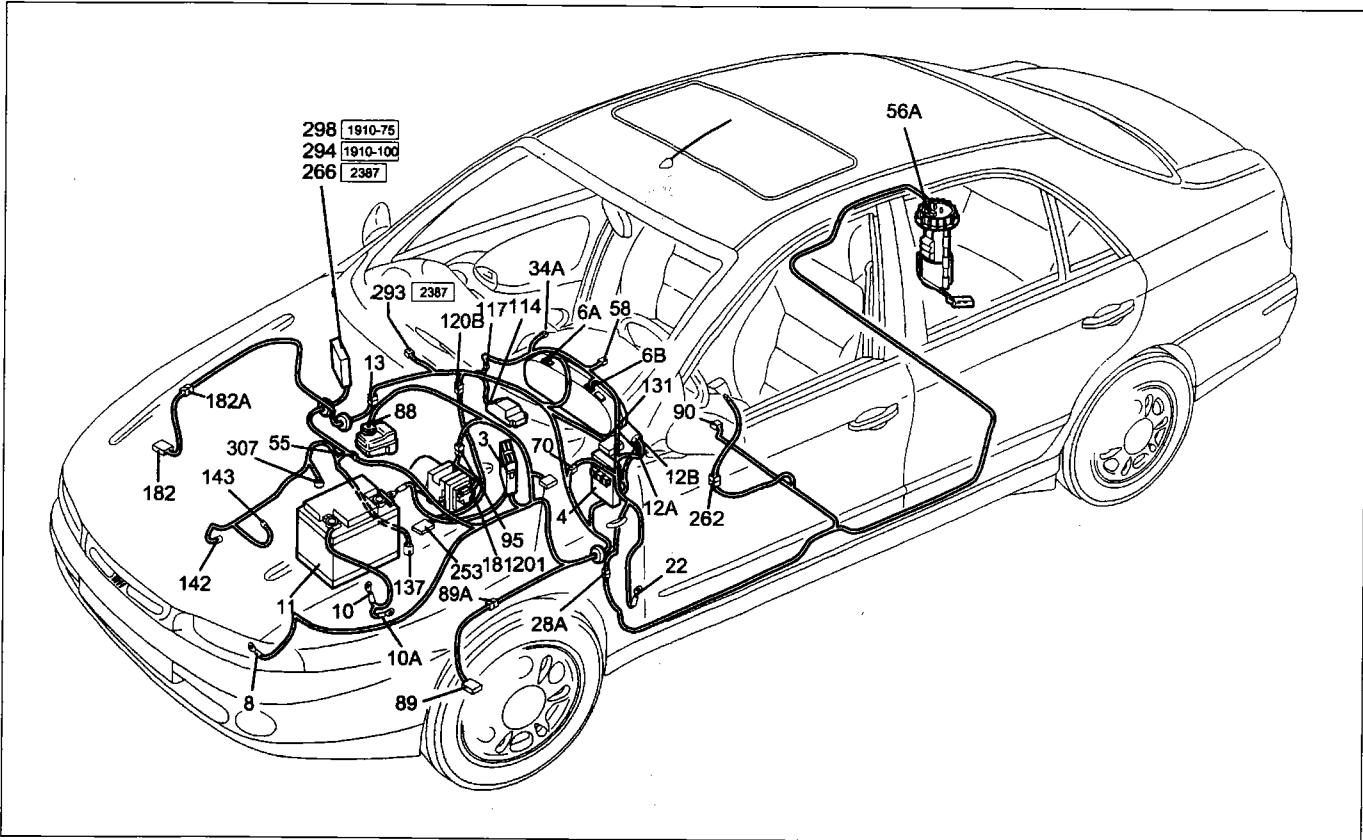


* The wires involved in the wiring diagram are marked with an asterisk.

Starting - Electronic injection - Recharging and warning light - Low engine oil pressure warning light - Heater plugs warning light - Fuel injection fault warning light - Fuel preheating (2387 engine)



55.



P4F074N03

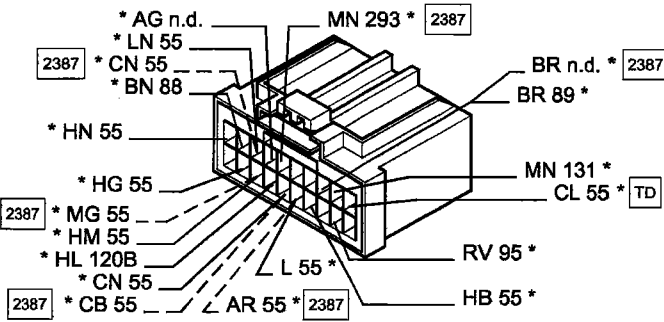
Instrument panel connections (TD engine)

Key to components

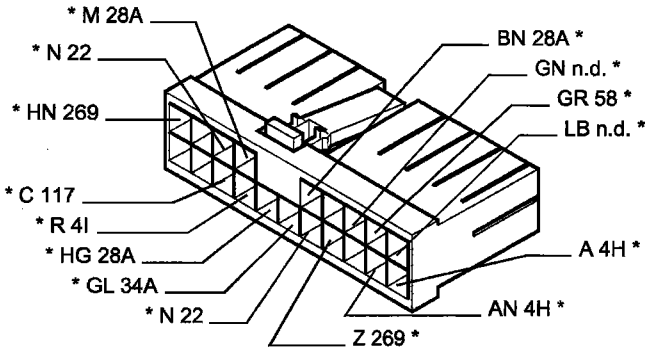
- 3 Power fuse box
- 4 Fuse and relay unit
- 6 Instrument panel
- 8 Front left earth
- 10 Battery earth on engine
- 10A Battery earth on body shell
- 11 Battery
- 12 Ignition switch
- 13 Right/left front cable connection
- 22 Left dashboard earth
- 28 Dashboard/rear cables connection
- 34 Switch controls assembly
- 55 Front left/engine cables connection
- 56 Fuel gauge sender unit
- 58 Instrument panel brightness adjustment rheostat
- 70 Dashboard/front cables connection
- 88 Low brake fluid level sensor
- 89 Left brake pad wear sensor
- 89A Left wheel brake pad wear sensor cables connection
- 90 Handbrake on warning light switch
- 95 Front/anti-lock braking system A.B.S. cables connection
- 114 Air Bag electronic control unit
- 117 Air Bag/dashboard cables connection
- 120 Air conditioner cables connection
- 131 Fiat CODE electronic control unit

- 137 Vehicle speed sensor
- 142 Low oil pressure warning light switch
- 143 Alternator
- 158 Water temperature sensor for gauge
- 181 Electrohydraulic control unit for anti-lock braking system (A.B.S.)
- 182 Right wheel brake pad wear sensor
- 182A Right wheel brake pad wear sensor cables connection
- 201 Heater plug control unit (TD)
- 253 Climate control system control unit
- 262 Seat belts warning light switch
- 266 Fuel injection electronic control unit (2387)
- 293 Air cleaner clogged indicator sensor (2387TD)
- 294 Fuel injection electronic control unit (1910T-D-100)
- 298 E.G.R. electronic control unit (1910TD-75)
- 307 Water temperature gauge double sender unit
- N.D. Ultrasound-soldered joint taped in wiring loom

6A Instrument panel

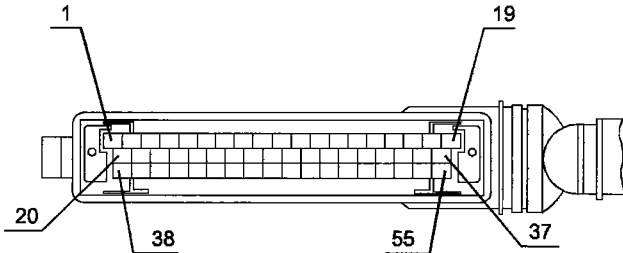


6B Instrument panel

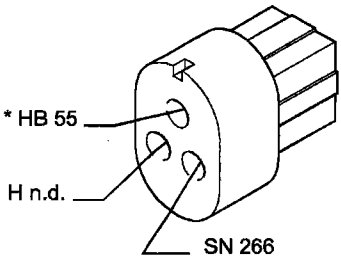


266 Fuel injection electronic control unit (2387)

- 4 *CN 55
- 11 *CL 55
- 50 *AR 55



307 Water temperature gauge double sender unit

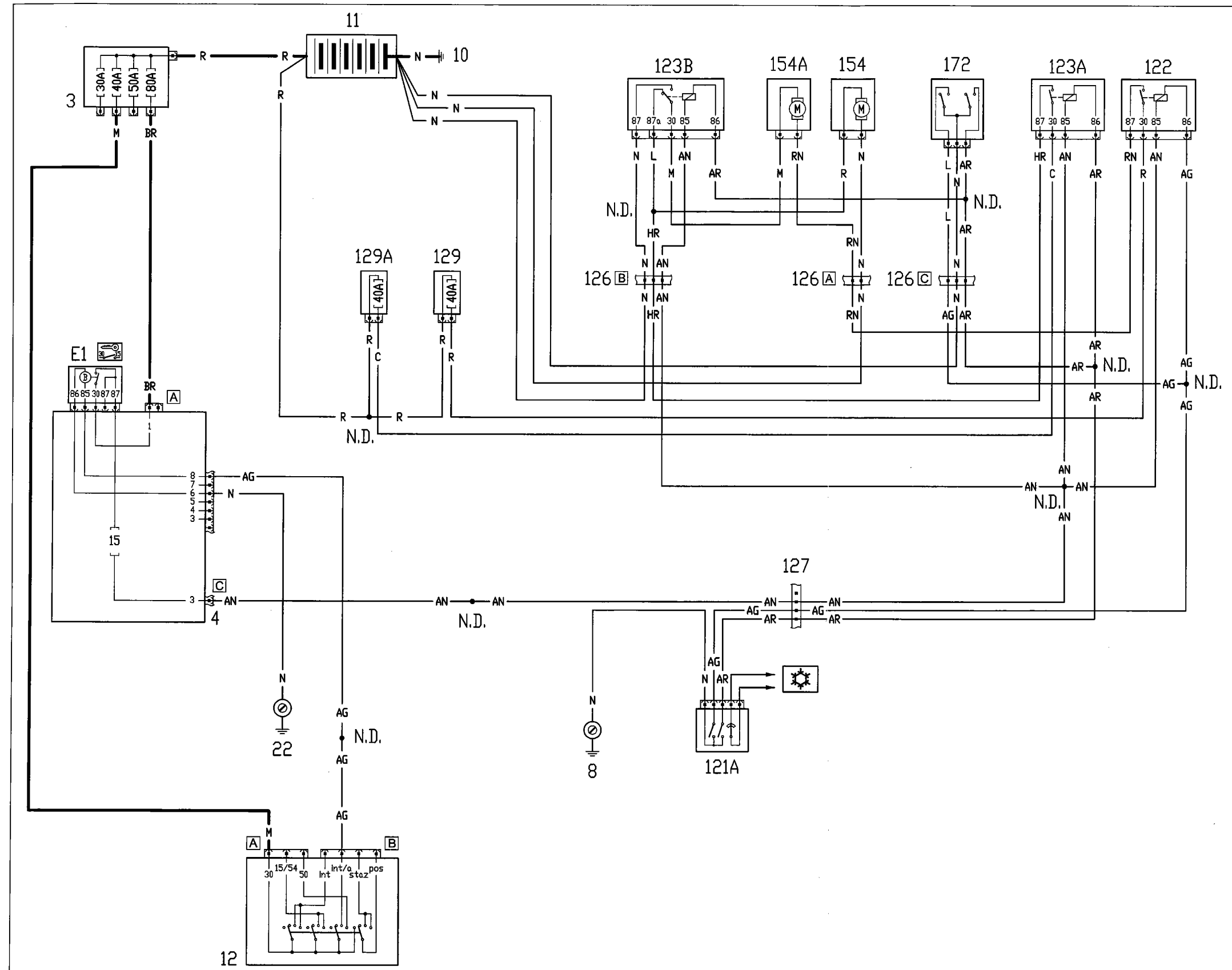


* The wires involved in the wiring diagram are marked with an asterisk.

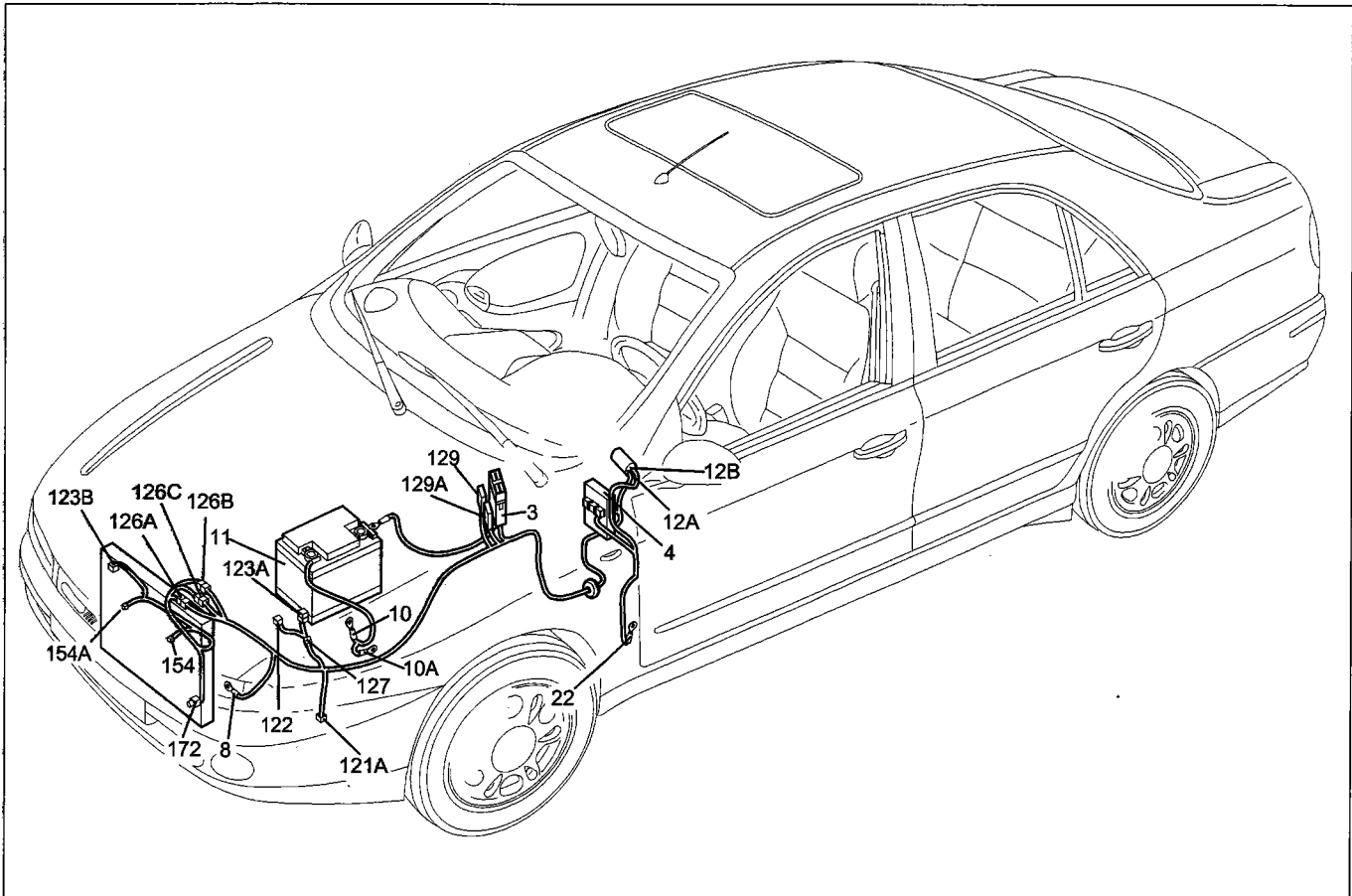
P4F074N04

Versions with climate control

Engine cooling (1910 TD engine) from July '98



55.



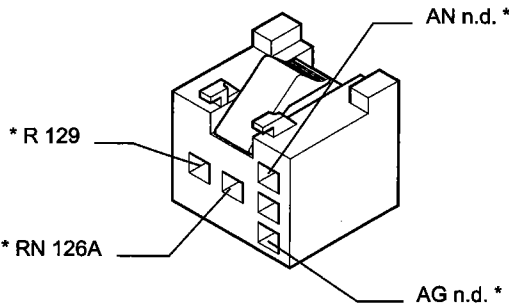
Versions with climate control

Engine cooling - Engine coolant temperature gauge (1910 engine)

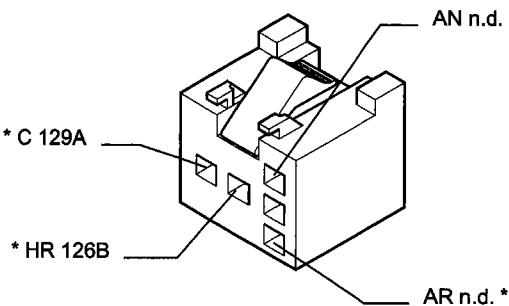
- Components key
- | | |
|---|---|
| 3 Power fuse box | 126 Connection between front/radiator cables |
| 4 Junction unit | 127 Connection between left front cable/cable on relay holder bracket |
| 8 Left front earth | 129 Power fuse protecting for engine cooling fan |
| 10 Battery earth on engine | 129A Power fuse protecting 2nd engine cooling fan |
| 10A Battery earth on bodyshell | 154 Engine cooling fan -1 |
| 11 Battery | 154A Engine cooling fan - 2 |
| 12 Ignition switch | 172 Two level thermal switch |
| 22 Left dashboard earth | |
| 121A Four stage pressure switch | |
| 122 engine cooling fan relay - 1 | |
| 123A Engine cooling fan relay - 2 | |
| 123B Engine cooling fan remote control switch | |

N.D. Ultrasound welding taped in cable loom

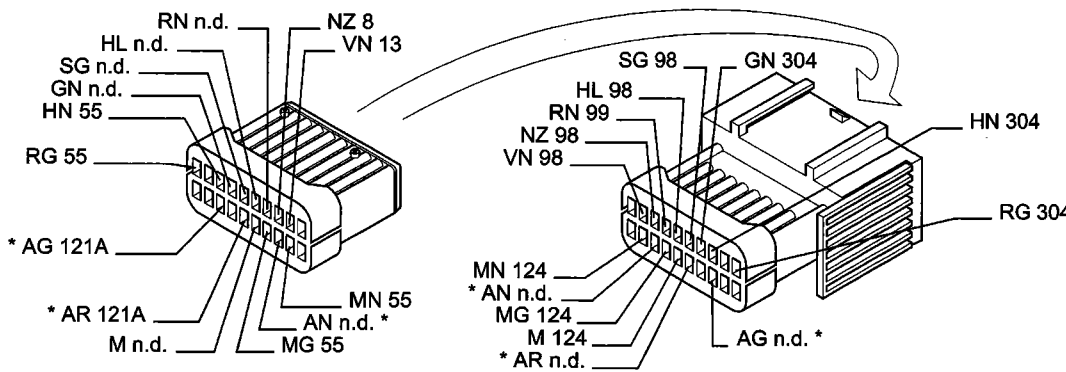
122 Engine cooling fan relay - 1



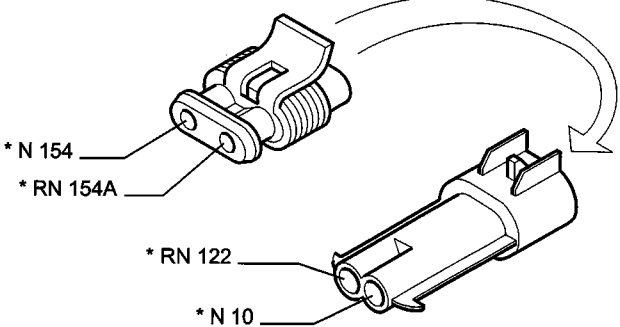
123A Engine cooling fan relay - 2



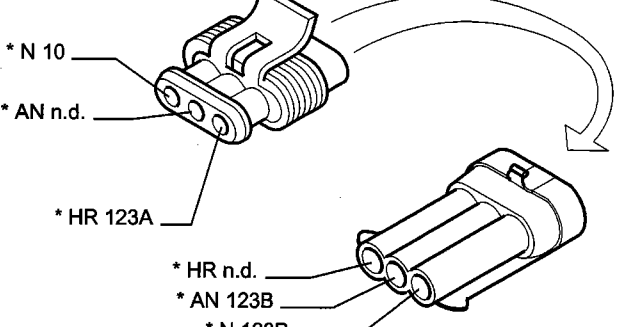
127 Connection between left front cable/cable on relay holder bracket



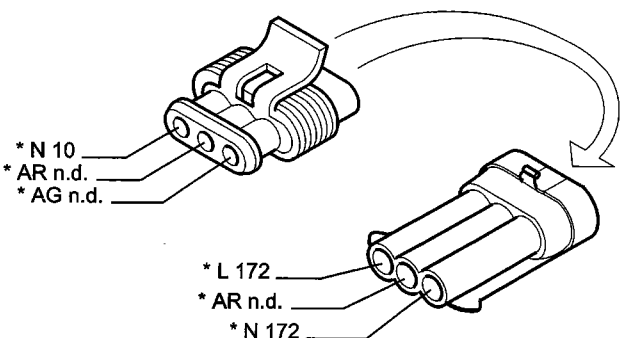
126A Connection between front/radiator cables



126B Connection between front/radiator cables



126C Connection between front/radiator cables



* The cables in the wiring diagram, are marked with an asterisk.

Components key

- 1 Left front light cluster
- 2 Right front light cluster
- 3 Power fuse box
- 4 Junction unit:
 - E1 Ignition discharge relay
 - E2 Horn relay feed
 - E3 Heated rear windscreen relay feed
- 5 Dipped headlamps relay feed
- 6 Instrument panel:
 - A Automatic transmission failure warning light
 - B Air Bag system failure warning light
 - C Side lights warning light
 - D Main beam headlamps warning light
 - E Air filter blocked warning light
 - F Injection system failure warning light
 - G Battery recharging warning light
 - H Insufficient engine oil pressure warning light
 - I Seat belt warning light
 - J Handbrake applied/insufficient brake fluid level warning light
 - K Brake pad wear warning light
 - L Fiat CODE device failure warning light
 - M Anti-lock braking system failure warning light (ABS)
 - N Maximum turbocharging pressure warning light
 - O Heater plugs warning light
 - P Trailer lights warning light
- 7 Steering column switch unit:
 - A Windscreen wiper speed control switch
 - B Switch for windscreen washer/headlamp washer/rearscreen washer
 - C Rearscreen wiper control switch
 - D Flasher control
 - E Switch for dipped/main beam headlamps
 - F Switch for side lights
 - G Intermittent device for direction indicators/-hazard warning lights
 - H Switch for direction indicators
 - I Horn control
- 8 Left front earth
- 9 Right front earth
- 0 Battery earth on engine
- 0A Battery earth on bodyshell
- 0B Battery earth for i.e.
- 0C Battery earth for air conditioning
- 1 Battery
- 2 Ignition switch
- 3 Front right/left cables connection
- 4 Left no. plate light bulb
- 5 Right no. plate light bulb
- 6 Left rear light cluster
- 7 Right rear light cluster
- 8 Left rear earth
- 9 Right rear earth
- 10 Left front side direction indicator
- 11 Right front side direction indicator
- 12 Left dashboard earth
- 13 Hazard warning lights switch unit
- A Hazard warning lights warning light
- B Hazard warning lights switch
- 24 Windscreen wiper motor
- 25 Wind/rearscreen washer electric pump
- 26 Rearscreen wiper motor
- 28 Dashboard/rear cables connection
- 29 Front/fog lamp cables connection
- 30 Left fog lamp
- 31 Right fog lamp
- 32 Fog lights relay
- 33 Protective fuse for fog lights
- 34 Switch controls:
 - A Alarm on warning light
 - B Rear fog lamps switch
 - C Rear fog lamp relay feed
 - D Rear fog lamps warning light
 - E Heated rear windscreen control switch
 - F Heated rear windscreen warning light
 - G Switch control unit ideogram light
 - H Fog lights warning light
 - I Fog lights switch
- 35 Dashboard/left front door cables connection
- 36 Dashboard/right front door cables connection
- 39 Heated rear windscreen
- 40 Brake lights control switch
- 41 Additional brake light
- 42 Right dashboard earth
- 43 Electrical actuator for left headlamp alignment correction
- 44 Electrical actuator for right headlamp alignment correction
- 45 Headlamp alignment control unit
- 46 Left electric horn low tone
- 47 Right electric horn high tone
- 48 Radio receiver with clock
- 49 Left front speaker (tweeter)
- 50 Right front speaker (tweeter)
- 51 Speaker in left front door
- 52 Speaker in right front door
- 53 Left rear speaker
- 54 Right rear speaker
- 55 Left front/engine cables connection
- 55A Left front/engine cables connection
- 55B Right front/engine cables connection
- 55C Left front/engine cables connection
- 56 Fuel gauge assembly
 - A Fuel level sensor
 - B Electric fuel pump
- 57 Inertia switch
- 58 Instrument panel light dimmer
- 63 Thermostatic switch on radiator
- 64 Glove compartment light bulb with switch incorporated
- 65 Luggage compartment light bulb
- 66 Electrically adjusted external rear view mirrors control panel
- 67 Left external rear view mirror

- 68 Right external rear view mirror
- 69 Cigar lighter
- 70 Dashboard/front cables connection
- 72 Protective fuse for electric front windows
- 73 Electric front windows control panel in left armrest
- 74 Right electric front window control panel in right armrest
- 76 Left front electric window motor
- 77 Right front electric window motor
- 78 Electric rear windows control panel in left front door
- 80 Electric rear windows inhibitor switch
- 81 Protective fuse for electric rear windows
- 82 Left rear electric window control panel on left rear door
- 83 Right rear electric window control panel on right rear door
- 84 Left rear electric window motor
- 85 Right rear electric window motor
- 86 Rear/left rear door cables connection
- 87 Rear/right rear door cables connection
- 88 Insufficient brake fluid level sensor
- 89 Left brake pad wear sensor
- 89A Left brake pad wear sensor cables connection
- 90 Switch signalling handbrake applied
- 91 Power relay controlled by the ignition
- 92 Protective fuse for electrically operated sun roof
- 92A Electrically operated sun roof cables connection
- 93A Electrically operated sun roof control unit
- 94 Protective fuse for anti-lock brakes A.B.S.
- 95 Front/anti-lock brakes cables connection A.B.S.
- 96 Protective power fuse for electrical equipment A.B.S.
- 97 Electric headlamp washer pump
- 98 Headlamp washer intermittent device
- 99 Protective fuse for headlamp washer
- 100 Alarm device electronic control unit
- 103 Diagnostic socket for alarm
- 105 Alarm off switch
- 106 Alarm switch on bonnet lid
- 107A Central locking remote control receiver
- 107B Front courtesy light
- 108 Left rear central locking
- 109 Right rear central locking
- 110 Left front central locking
- 111 Right front central locking
- 113 Central locking protective fuse
- 114 Air-bag electronic control unit
- 115 Passenger Air-bag
- 116 Driver's Air-bag
- 117 Air bag/dashboard cables connection
- 120 Air conditioning unit cables connection
- 121 Three stage pressure switch
- 121A Four stage pressure switch
- 122 Engine cooling fan low speed relay
- 123 Engine cooling fan high speed timer
- 123A Engine cooling fan high speed relay
- 123B Engine cooling fan remote control switches
- 124 Air conditioning compressor relay
- 126 Front/radiator cables connection
- 127 Left front/cable on relay holder bracket connection
- 128 Front/radiator cables connection
- 129 Power fuse protecting engine cooling fan
- 129A Power fuse protecting 2nd engine cooling fan
- 130 Diagnostic socket for Air Bag
- 131 Fiat CODE electronic control unit
- 132 Petrol vapour cut out solenoid valve (canister)
- 133 Air Bag system protective fuse
- 134 Rear/heated driver's seat cables connection
- 134A Heated driver's seat heater pad
- 135 Rear/heated passenger seat cables connection
- 135A Heated passenger seat heater pad
- 136 Detonation sensor
- 136A Detonation sensor (1998)
- 137 Vehicle speed sensor
- 138 Idle adjustment actuator motor (1370-1581)
- 139 Diagnostic socket for injection system
- 140 Injection/ignition control unit (1370)
- 141 Heated Lambda sensor
- 142 Switch signalling insufficient engine oil pressure
- 143 Alternator
- 144 Rpm and T.D.C. sensor
- 145 Starter motor
- 146 Potentiometer on butterfly valve
- 147 Compressor for air conditioning
- 148 Earth for electronic injection
- 149 Instrument injector (1370)
- 150 Injection system relay feed (1370-1747-1998-1581)
- 151 Relay for Lambda sensor, electric fuel pump, injectors (1370-1998)
- 152 Injection system protective fuse (1581)(1747)
- 154 Engine cooling fan
- 154A Engine cooling fan
- 155 Ignition coils (1370-1581)
- 156 Spark plugs
- 157 Water temperature sensor for injection system

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- 158 Water temperature sensor for instrument
 - 159 Reversing lights control switch
 - 160 Injection/ignition electronic control unit (1747)
 - 161 Ignition power module (1747)
 - 162 Injector (1°)
 - 163 Injector (2°)
 - 164 Injector (3°)
 - 165 Injector (4°)
 - 165A Injector (5°) (1998)
 - 166 Idle adjustment actuator (1747-1998)
 - 167 Air flow meter
 - 168 Timing sensor
 - 170 Resistor for engine cooling fan
 - 171 Heater unit cables connections
 - 172 Two level thermal switch
 - 174 Power earth for anti-lock brakes (A.B.S.)
 - 176 Diagnostic socket for anti-lock braking system (A.B.S.)
 - 177 Sensor on left front wheel for anti-lock brakes (A.B.S.)
 - 178 Sensor on left rear wheel for anti-lock brakes (A.B.S.)
 - 179 Sensor on right front wheel for anti-lock brakes (A.B.S.)
 - 180 Sensor on right rear wheel for anti-lock brakes (A.B.S.)
 - 181 Electro-hydraulic control unit for anti-lock brakes (A.B.S.)
 - 182 Right wheel brake pad wear sensor
 - 182A Right wheel brake pad wear sensor cables connection
 - 183 Ignition coil (1°) (1998)
 - 184 Ignition coil (2°) (1998)
 - 185 Ignition coil (3°) (1998)
 - 186 Ignition coil (4°) (1998)
 - 187 Ignition coil (5°) (1998)
 - 188 Ignition coil earth (1998)
 - 189 Phase transformer (1998)
 - 190 Injection/ignition electronic control unit (1998)
 - 191 Phase transformer relay feed (1998)
 - 192 Air temperature sensor
 - 193 Earth for electronic injection (1581)
 - 194 Injection cables/injector band connection (1581)
 - 195 Injection/ignition electronic control unit (1581)
 - 196 Multiple relay (1581)
 - 197 Absolute pressure sensor (1581)
 - 198 Protective fuse for injection/ignition control unit (1581)
 - 199 Aerial for Fiat CODE
 - 200 Electrostop relay feed (TD)
 - 201 Heater plugs control unit (TD)
 - 202 Heater unit/air conditioning controls ideogram light bulbs
 - 206 Climate control fan
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- 207 Fan speed adjustment switch
 - 208 Resistor for fan speed
 - 209 Air intake flap control actuator
 - 211 Frost sensor
 - 212 Engine cooling fan relay feed (1747)
 - 222 Earth for climate control system
 - 223 Rpm sensor (2387)
 - 224 Instrument injector (2387)
 - 226 Diagnostic socket for Fiat code system (1910 TD)
 - 227 Diagnostic socket for injection system (1747)
 - 228 Heater plugs (TD)
 - 229 Engine cut out electro-stop (TD)
 - 231 Clock spring connection
 - 232 Earth for compressor
 - 233 Thermostatic switch on water pump (1910T-D-75)
 - 234 Protective fuse for defrosting external rear view mirrors
 - 235 Air conditioning compressor cables connection
 - 236 Rear cable with tailgate connection
 - 237 Protective fuse for FIAT CODE
 - 238 Electric rear windows control unit
 - 239 Air Bag/left pretensioner cable connection
 - 240 Air Bag/right pretensioner cable connection
 - 241 Left pretensioner
 - 242 Right pretensioner
 - 243 Luggage compartment light button
 - 244 Integrated services electronic control unit
 - 245 Rear courtesy light
 - 247 Lambda sensor protective fuse (1370) (1998)
 - 248 Radio controls on steering wheel
 - 249 Diagnostic socket for climate control system
 - 250 Fuel pump protective fuse (1370) (1747) (1998) (1581)
 - 252 Connection between automatic transmission and engine cables
 - 253 Climate control control unit
 - 254 Climate control controls with passenger compartment temperature sensor
 - 255 Electronic speed variator for climate control fan
 - 256 Air mixture control actuator
 - 257 Fuel pump relay feed (1747)
 - 258 Treated air temperature sensor
 - 259 Temperature adjustment switch
 - 260 "MAX-DEF" microswitch
 - 261 Tailgate locking/unlocking actuator
 - 262 Seat belt warning light switch
 - 263 Protective fuse for heated seats
 - 264 Left rear courtesy light
 - 265 Right rear courtesy light
 - 266 Injection electronic control unit (2387)
 - 267 Automatic transmission control unit
 - 268 Automatic transmission connection
 - 269 Connection between automatic transmission and dashboard cables
 - 270 Connection between automatic transmission and rear cables
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- 271 Kick down switch
 272 Ignition switch solenoid valve
 273 Protective fuse for automatic transmission
 274 Protective fuse for automatic transmission
 275 Automatic transmission fluid radiator fan relay
 276 Starting go ahead relay
 277 Automatic transmission fluid radiator fan
 278 Diagnostic socket for automatic transmission
 279 Automatic transmission gear selector
 280 ICE/SPORT selector for automatic transmission
 281 Shift Lock solenoid valve
 282 Additional PARK switch for automatic transmission
 283 Safety control unit for automatic transmission
 284 Automatic transmission connection on gearbox
 285 E.G.R. solenoid valve (2387)
 286 Electric diesel pump (2387)
 287 Solenoid valve on diesel pump for advance (TD)
 288 Electronic injection relay feed (TD)
 289 Thermal contact PCT (TD)
 290 Heater resistance PCT (TD)
 291 Accelerator pedal potentiometer (2387 TD)
 292 Clutch pedal switch (2387 TD)
 293 Sensor signalling air filter blocked (2387TD)
 294 Injection electronic control unit (1910TD-100)
 295 Protective fuse for injection (1910TD-100)
 296 Accelerator control lever potentiometer (1910TD)
 297 Fast idle valve (1910TD)
 298 E.G.R. electronic control unit (1910TD-75)
 299 Water temperature sensor (pre-heating) (1910TD-75)
 00 K.S.B. thermostatic switch (1910TD-75)
 301 KSB device (1910TD-75)
 302 Diagnostic socket for EGR system (1910TD-75)
 303 Diesel pre-heating protective fuse (TD)
 304 Diesel pre-heating protective relay (TD)
 305 Compressor relay (1910TD-75)
 306 Integrated air temperature/pressure sender unit
 307 Twin water temperature sender unit
 308 I.E. and Code protective fuse
 309 4 stage pressure switch
 310 Protective fuse for headlamp washer and air conditioning
 311 Fan resistance connection

Cable colour code

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

N.D. Ultrasound welding taped in cable loom