

Electrical symbols

	Positions		Choke		Switch discharge
	Main beam headlamps		Water in fuel filter		Dipped headlamps
	Heated seat		Heater plugs		Signalling of direction indicators 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 warning lights		Turbocharging pressure		Windscreen wiper
	Direction indicators		Automatic gearbox oil temperature		Electrically 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

P4A001101



Dashboard/front cables connection Only: ELX - HSX - HGT

-
- Diagram illustrating the pin assignments for a 28-pin D-sub connector, showing both male and female versions.
- Male Connector (Top):**
- Pin 1: LB 36**
 - Pin 2: R 4J
 - Pin 3: AV 330B*
 - Pin 4: **S 34
 - Pin 5: **NZ 28
 - Pin 6: **BM 28
 - Pin 7: **RG 286
 - Pin 8: BV 36
 - Pin 9: BH 6B
 - Pin 10: ● BH 6C
 - Pin 11: **HV 28
 - Pin 12: M 287 ■
 - Pin 13: RV 4J**
 - Pin 14: GV 35**
 - Pin 15: GH 36**
 - Pin 16: NV 28**
- Female Connector (Bottom):**
- Pin 1: **N 100A
 - Pin 2: *LB 120A
 - Pin 3: R 6A
 - Pin 4: ***R n.d.
 - Pin 5: *AV 120A
 - Pin 6: M 29 ■
 - Pin 7: **N 100A
 - Pin 8: **N 100B
 - Pin 9: BV 120A
 - Pin 10: N 100B**
 - Pin 11: N 100B**
 - Pin 12: N 100B**
 - Pin 13: N 100B**
 - Pin 14: N 100B**

N.D. Ultrasound welding taped in cable loom

- * Variant connection for versions with air conditioning
- ** Variant connection for versions with alarm
- *** Variant connection for 1910 JTD versions
- Variant connection for ELX trim level with automatic transmission

The cables in the wiring diagram are marked

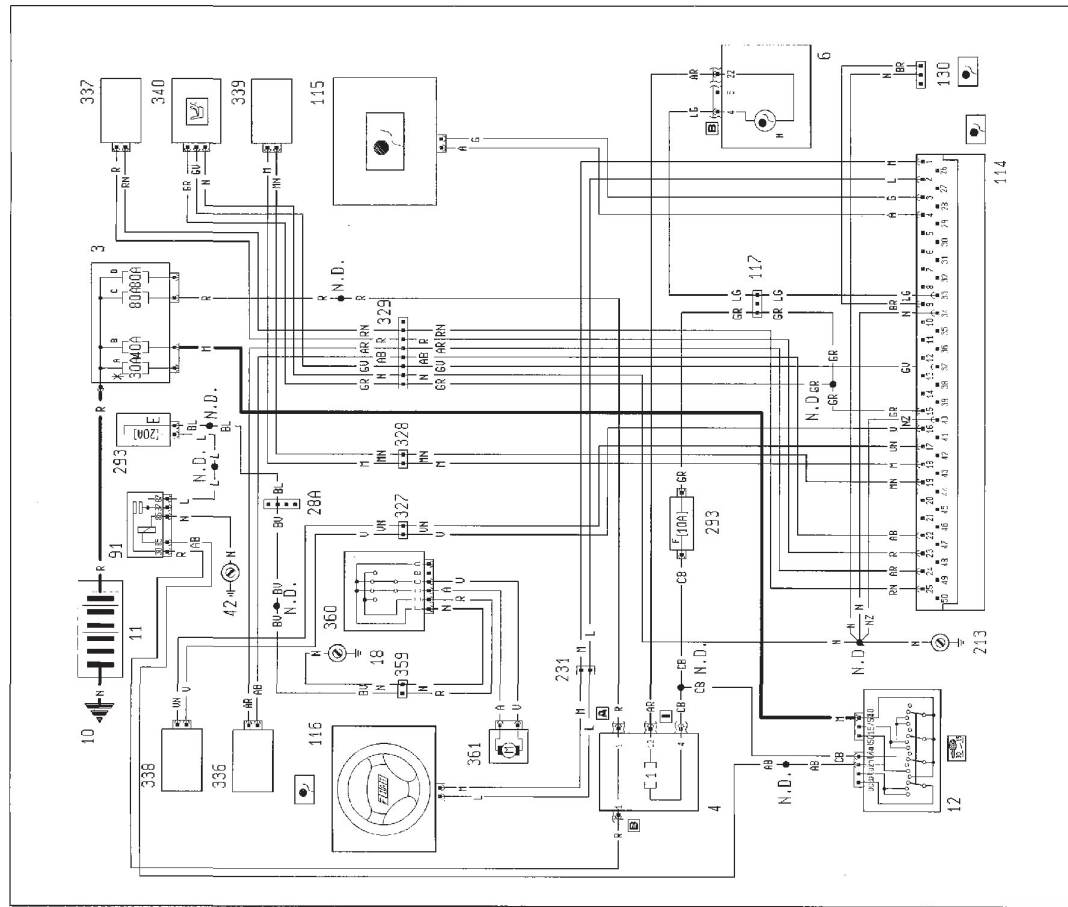
LA0121

A0171

8

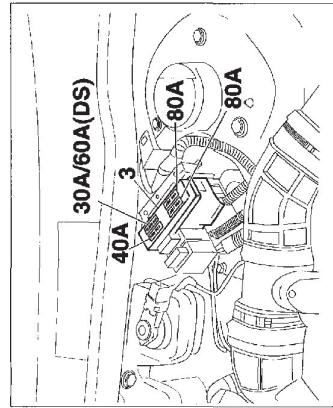
55.

Driver's, passenger side EURO BAG, SIDE BAG and failure warning light - Lumbar adjustment - (See key at end of wiring diagrams)

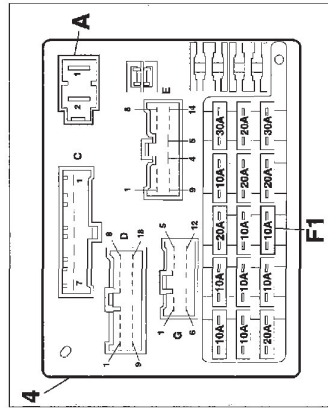


* 80A fuse for TD versions

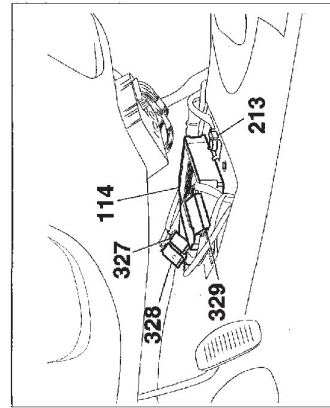
Component location



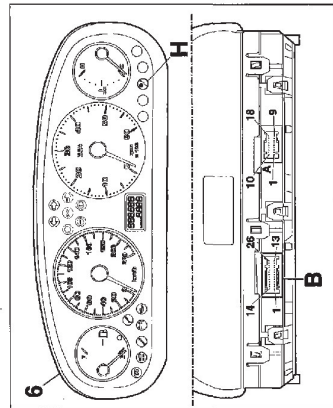
44048801



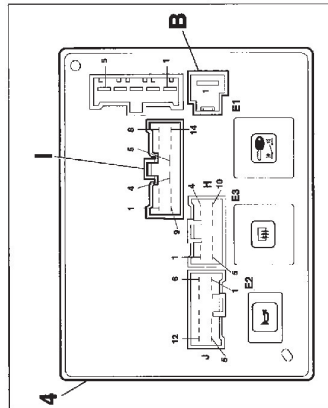
44048802



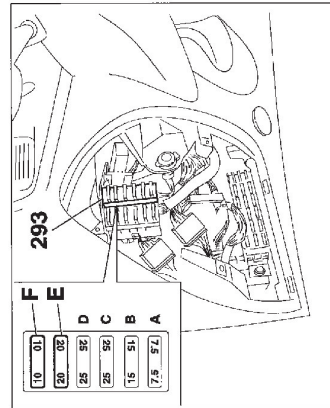
44048805



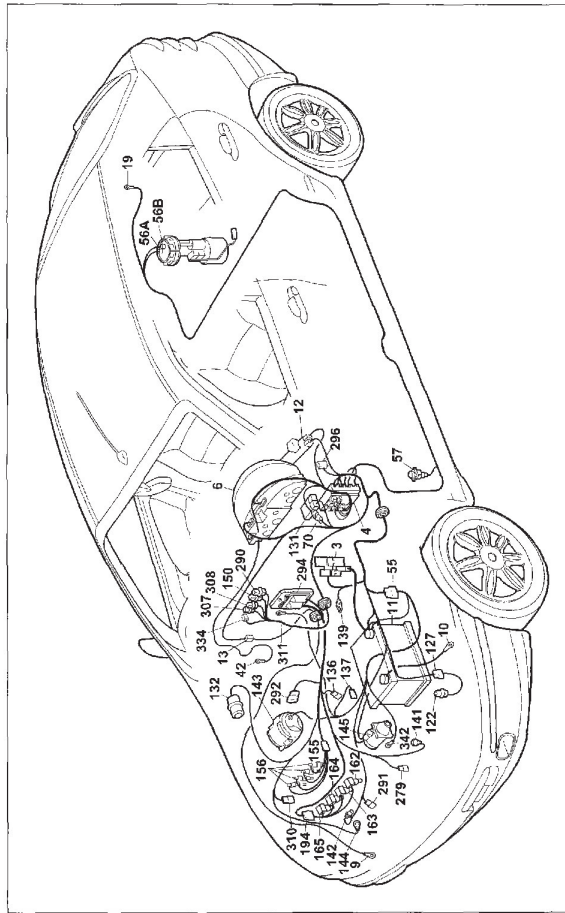
44048802



44048804



44048806



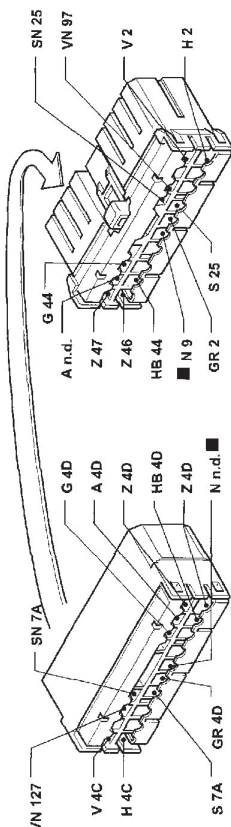
Starting - BOSCH M1.5.5 Electronic injection and ignition - Recharging and warning light - Warning light signalling injection system failure - Insufficient engine oil pressure warning light - Fiat-CODE and injection system failure warning light - Rev counter - Speedometer

Components key

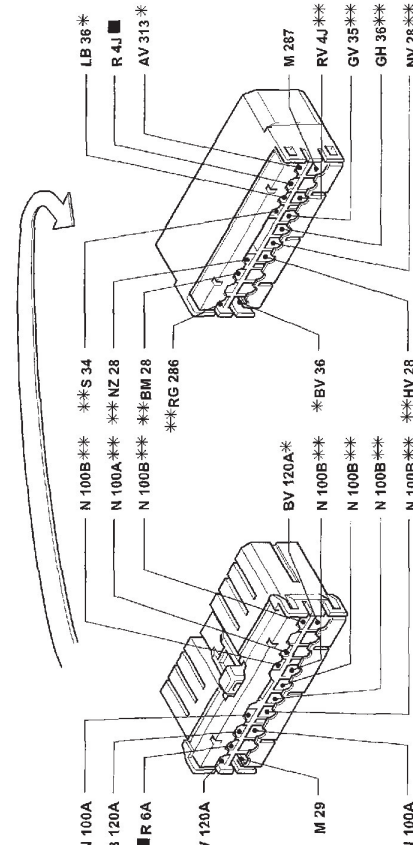
- 3 Power fuse box
- A 30A protective fuse for injection system (60A for TD versions)
- B 40A protective fuse for ignition system
- C 80A fuse protecting additional options
- D 80A protective fuse for junction unit
- 4 Junction unit
- 6 Instrument panel
- Battery recharging warning light
- 70 Front right/left cables connection
- B Injection system failure warning light petrol/ds
- V Speedometer control module
- 9 Right front earth
- 10 Right front earth
- 11 Battery
- 12 Ignition switch
- 13 Front right/left cables connection
- 14 Right dashboard earth
- 55 Connection between front/engine pre-wiring cables
- 56 Fuel level gauge
- A Fuel level sensor
- B Inertia switch
- 57 Dashboard/front cables connection
- 127 Engine cooling fan low speed relay feed
- 131 Fiat-CODE electronic control unit
- 132 Petrol vapour cut out solenoid valve (canister)
- 138 Detonation sensor
- 137 Vehicle speed sensor
- 139 Diagnostic socket for injection system
- 141 Heated Lambda sensor
- 142 Switch signalling insufficient engine oil pressure
- 143 Alternator
- 144 Rpm and T.D.C. sensor
- 146 Starter motor
- 150 Injection system relay feed
- 155 Ignition coils
- 156 Ignition coils
- 163 Injector (1*)
- 163 Injector (2*)
- 164 Injector (3*)
- 165 Injector (4*)
- 194 Injection cables/injector band connection
- 279 Twin engine coolant temperature sender unit
- 290 Electric fuel pump relay feed
- 291 Electric fuel pump relay head
- 292 Motor for power assisted steering pump
- 293 Multi-point injection system
- 294 Injection/ignition electronic control unit 1242
- 296 Fuse carrier base on front cable
- C 7.5A fuse protecting Fiat-CODE cooling system/electronic injection
- F 7.5A fuse protecting electronic injection system/ Fiat- CODE
- 307 15A fuse protecting injection system
- 308 15A fuse protecting canister solenoid valve
- 310 Absolute pressure and air temperature sensor
- 311 Electronic control unit
- 334 Diagnostic connecting cable for 1242
- 342 Power earth for electronic injection

N.D. Ultrasound welding taped in cable loom.

13 Front right/left cables connection



70 Dashboard/front cables connection Trim level: SX - GT



* Variant connection for versions with air conditioning

** Variant connection for versions with alarm

194 Injection cables/injector band connection

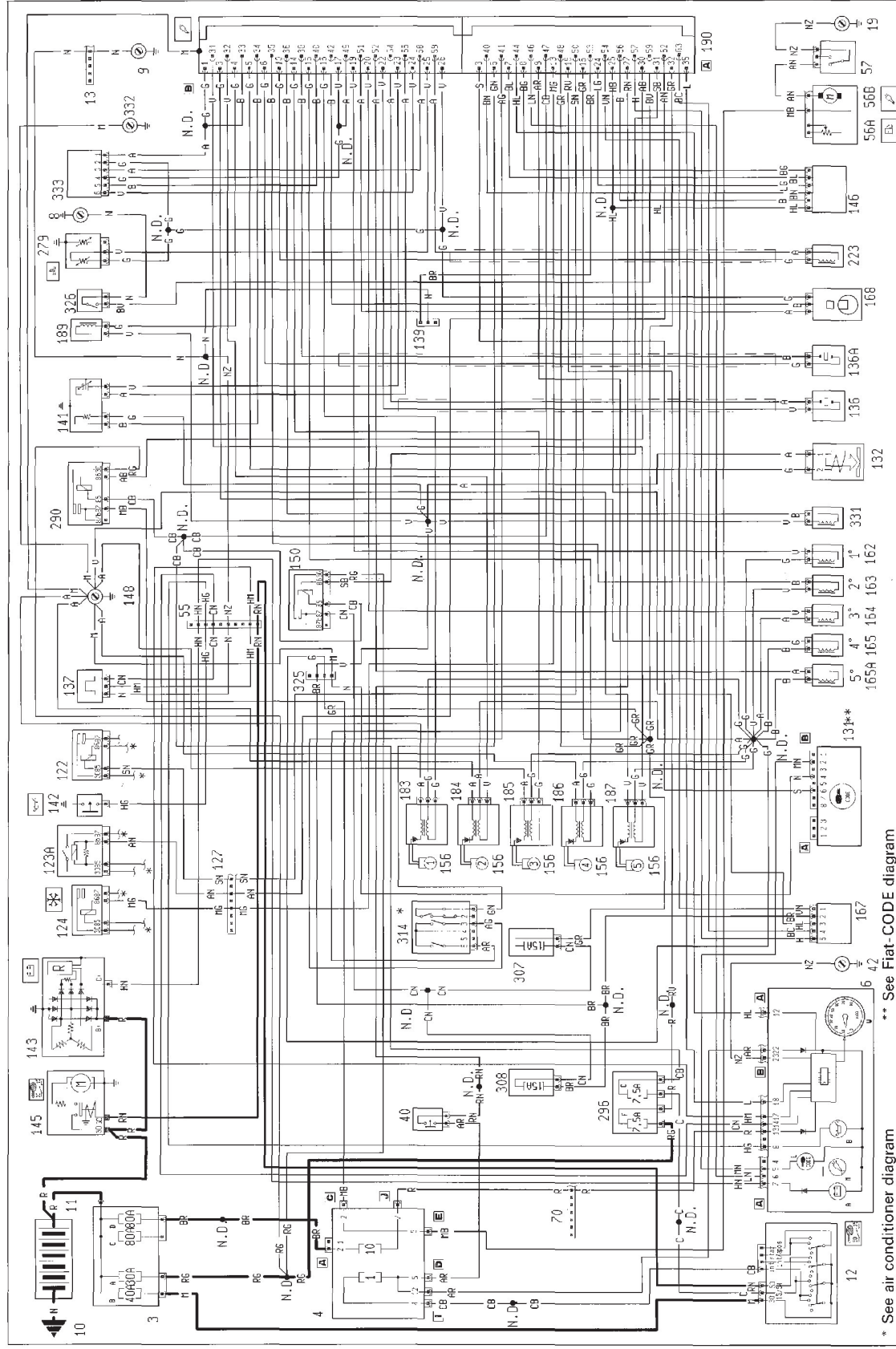


The cables in the wiring diagram are marked

9A1441

P4A1440T

Starting - Bosch Motronic ME 3.1 Electronic injection and ignition - Recharging and warning light -
Warning light signalling injection system failure - Insufficient engine oil pressure warning light -
Fiat-CODE and warning light - Rev counter - (See key at end of wiring diagrams)



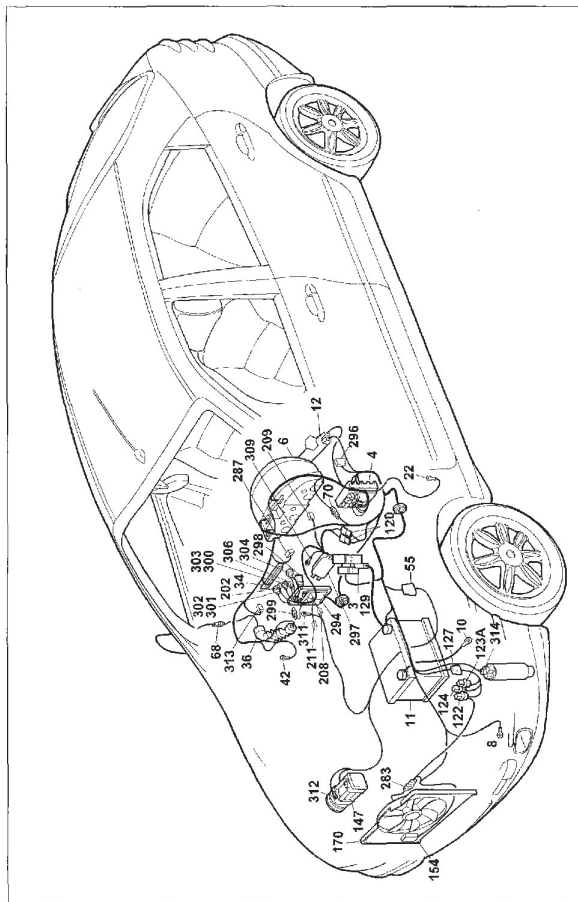
* See air conditioner diagram

** See Fiat-CODE diagram

941971

P44151001

55



Version without A.B.I.

Automatic air conditioning

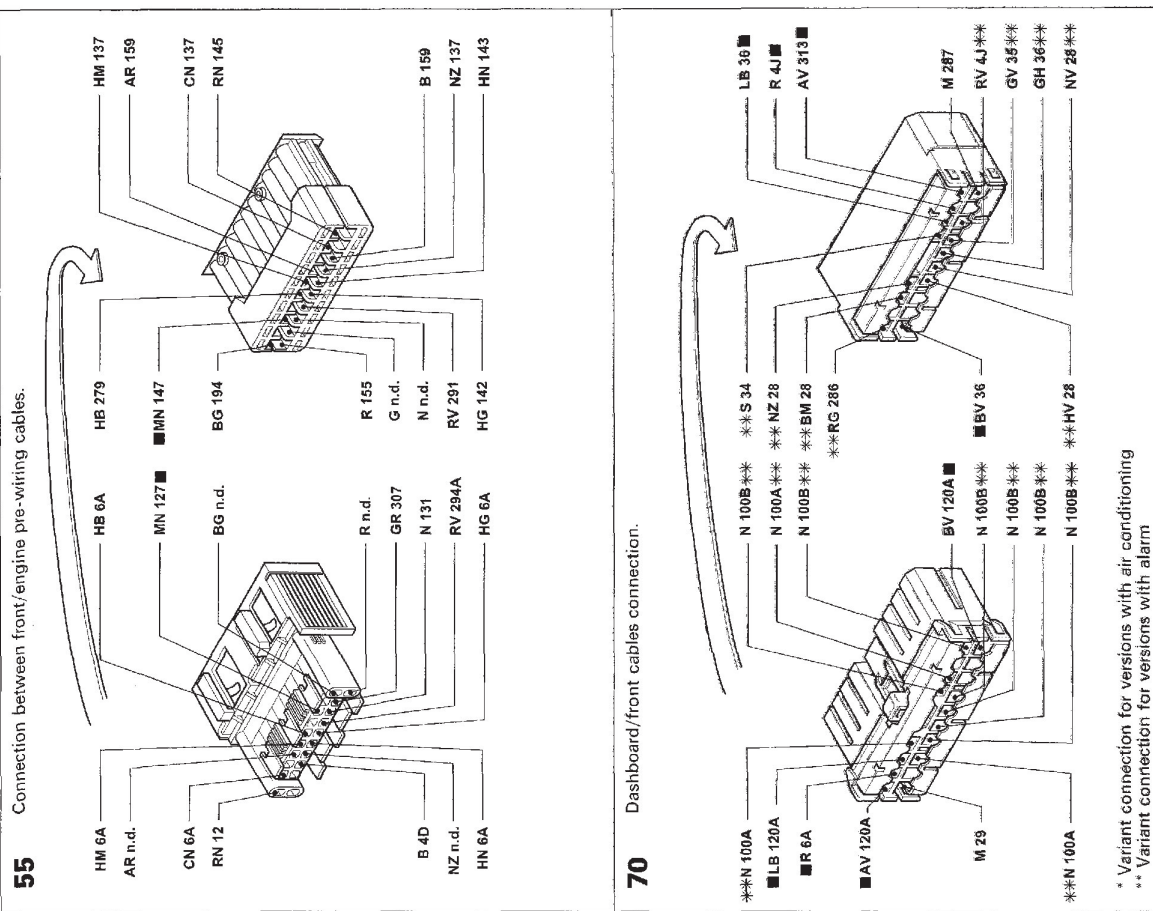
Components key

- 3 Power fuse box:
 A 30A protective fuse for injection system (80A for TD versions)
 B 40A protective fuse for ignition system
 C 80A fuse protecting additional options
 D 30A protective fuse for junction unit
- 4 Junction unit:
 E1 Ignition discharge relay
 E3 Heated rear windshield relay feed
 E Instrument panel
 F Electronic module
 G Steering column lock switch unit
 8 Left front earth
 9 Left front earth
 10 Earth for battery on bodyshell
 11 Battery
 12 Ignition switch
 22 Fuel pump relay
 34 Switch control unit
- A Anti-theft warning light on
 B Rear fog lamps switch
 C Rear fog lamps warning light
 D Rear fog lamps warning switch
 E Heated rear windshield warning light
 F Switch control unit (steogram light)
 G Fog lamps warning light
 H Fog lamps warning light
 L Outside temperature control switch;
 36 Dashboard/left front cables connection
 37 Instrument panel front cables connection
 55 Connection between front/engine pre-wiring cables
 68 Right electrically adjusted external rear view mirror
 70 Dashboard/front cables connection
 20A Air conditioning unit cables connection
 20B Air conditioning unit control connection
 122 Engine cooling fan low speed relay feed
 23A Engine cooling fan high speed relay feed
- 127 Front left hand cable; holder bracket connection
 129 Front right hand cable; holder bracket connection
 130 50A power fuse protecting engine cooling fan
 147 Compressor for air conditioning
 154 Engine cooling fan
 171 Engine cooling fan limiter resistance
 208 Limiter resistance for heater, air conditioning
 209 Outside/recirculation air flap control actuator
 211 Electronic thermostat (N.T.C.)
 257 Connection between front/resistance cables
 284 Injection/ignition electronic control unit 1242
 286 Fuse carrier base on front cable
 A 7.5A fuse protecting cooling system/ electronic injection; C.A. system; Alarm system
 C 7.5A fuse protecting Flat CODE cooling system/electronic injection
- E 7.5A fuse protecting climate control system
 287 Air conditioning control unit
 298 Heater/air conditioning recirculation control
 299 Heater/air conditioning recirculation actuator
 300 Car interior electronics control
 301 Car interior mixture control actuator
 302 Maximum damister control switch
 303 Interior ventilation potentiometer
 308 Temperature for car interior temperature
 309 Earth for air conditioning unit
 311 Earth for electronic injection control unit
 312 Power earth for electronic injection control unit
 313 Relay for inverting signal for air conditioning
 314 Four stage pressure switch

N.D. Ultrasound welding taped in cable loom

A2471

126

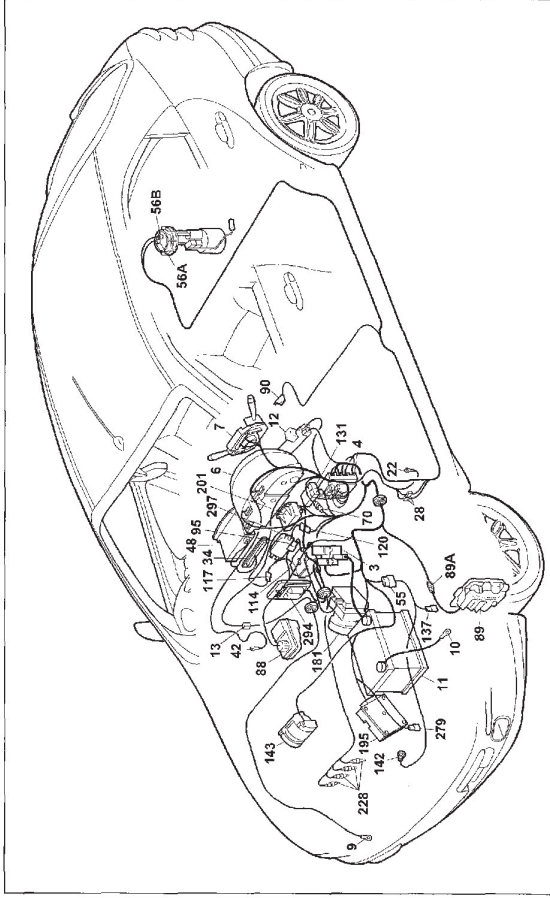


Variant connection for versions with air conditioning

* Variant connection for versions with alarm

The cables in the wiring diagram are marked

442494



P4A25901

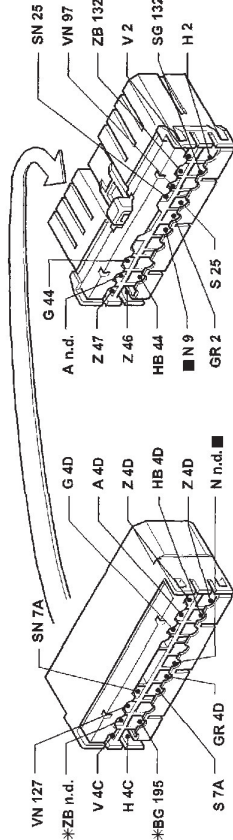
Trim level: SX - GT

Instrument panel connections

Components key

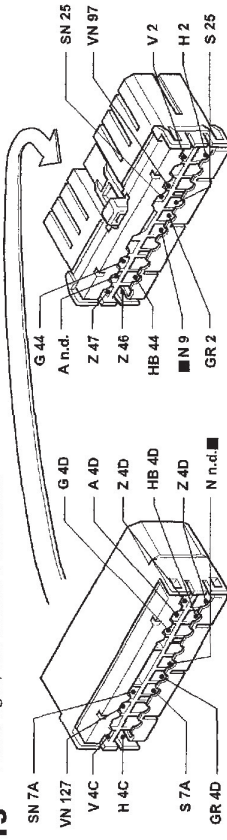
- 3 Power fuse box:
 - A 30A protective fuse for injection system (80A for 7D versions)
 - B 40A protective fuse for ignition system
 - C 80A fuse protecting additional options
 - D 80A fuse protecting fuse for junction unit
- 4 Instrument panel:
 - A Battery recharging warning light
 - B Insufficient engine oil pressure warning light
 - C Left direction indicator warning light
 - D Right direction indicator warning light
 - E Side lights warning light
 - F Instrument panel ideogram lights
 - G Main beam headlights warning light
 - H EURO-BAG system failure warning light
 - H1 Passenger EURO-BAG off warning light
- 1 Warning light: signalling fuel reserve
- J1 Warning light: signalling fuel reserve
- K Fuel level gauge
- L Fuel CODE device failure warning light
- M Fuel CODE device failure warning light: Period/DS
- O Heater pad warning light
- P Front brake pad wear warning light
- R Handbrake/insufficient brake fluid level warning light
- V1 Speedometer
- W Rev counter
- X Electronic module
- Y Electronic module
- Z Mileometer/trip meter
- Z1 Trip meter zeroing button
- Z2 Mileometer/trip meter light
- 7 80A fuse protecting fuse for junction unit:
 - D Flasher control
 - F Switch for dipped/main beam headlights
 - H Switch for direction indicators
 - 9 Right front earth
 - 10 Earth for battery on bodyshell

13 Front right/left cables connection. Versions: 1242 16v - 1581 16v

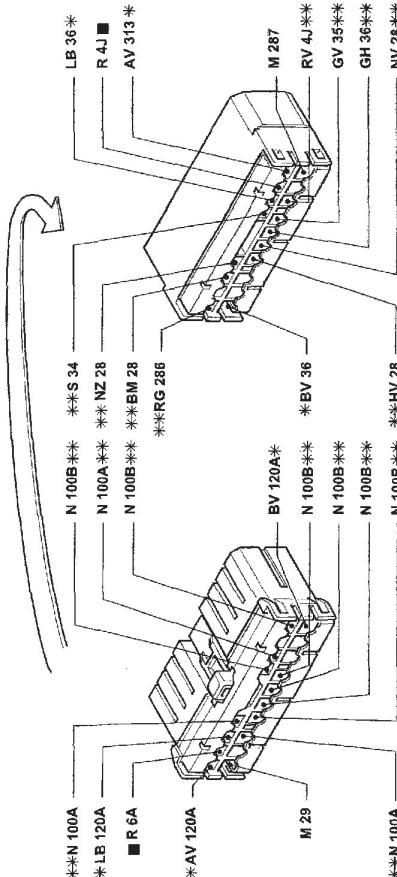


* Variant connection for 1581 16v versions

13 Front right/left cables connection



70 Dashboard/front cables connection.

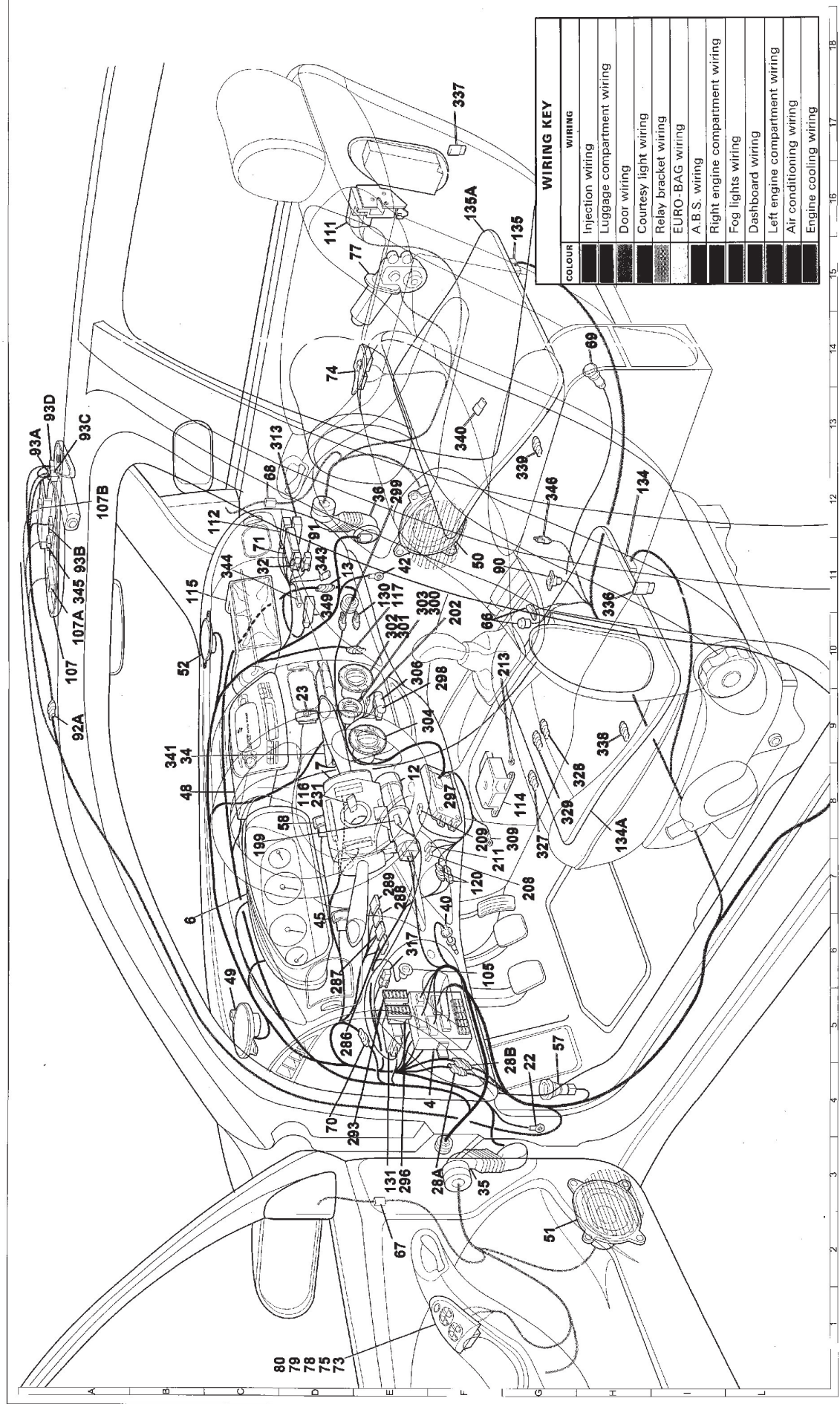


* Variant connection for versions with air conditioning
** Variant connection for versions with alarm

The cables in the wiring diagram are marked

4A25861

Diagrammatic view of location of cable looms and components without A.B.I. (See key at end of wiring diagrams with the co-ordinates referring to the components)



1



Trim level: SX - GT
Instrument panel connections

Key to components

- | | |
|----|--|
| 28 | Connection between dashboard/longitudinal cables |
| 29 | Switch control panel; |
| 30 | A Anti-theft device on warning light |
| 31 | B Rear fog lamps control switch |
| 32 | C Rear fog lamps relay feed |
| 33 | D Rear fog lamps warning light |
| 34 | E Heated rear windscreen control switch |
| 35 | F Heated rear windscreen warning light |
| 36 | G Rear fog lamps program light |
| 37 | H Fog lights warning light |
| 38 | I Fog lights control switch |
| 39 | L Outside temperature control switch |
| 40 | 42 Right dashboard earth |
| 41 | 48 D Radio receiver with clock |
| 42 | 55 D Connection between front/services cables |
| 43 | 56 Fuel gauge assembly |
| 44 | A Fuel level sensor |
| 45 | B Electric fuel pump |
| 46 | C Fuel level sensor dashboard/front cables |
| 47 | 68 Insufficient brake fluid level sensor |
| 48 | 89 Left front brake pad wear |
| 49 | 9A Connection for left brake pad wear sensor cables |
| 50 | 80 Switch signalling handbrake applied |
| 51 | 95 Connection between front cables/anti-lock brakes (ABS) |
| 52 | 14 JERO-BAG electronic control unit |
| 53 | 17 Connection for JERO-BAG dashboard cables |
| 54 | 23A Connection for air conditioning unit cables |
| 55 | 31 Fiat-CODE electronic control unit |
| 56 | 31 Vehicle speed sensor |
| 57 | 42 Switch signalling insufficient engine oil pressure |
| 58 | 43 Alternator |
| 59 | 60 Electro/ignition electronic control unit |
| 60 | 81 Electro/hydraulic control unit for anti-lock brakes (ABS) |
| 61 | 79 Engine coolant temperature twin sender unit |
| 62 | 97 Fuel level sensor |
| 63 | 25 Connection between front/injection cables |
| 64 | D Ultrasonic welding tag in cable loom |

70 Connection between dashboard/front cables



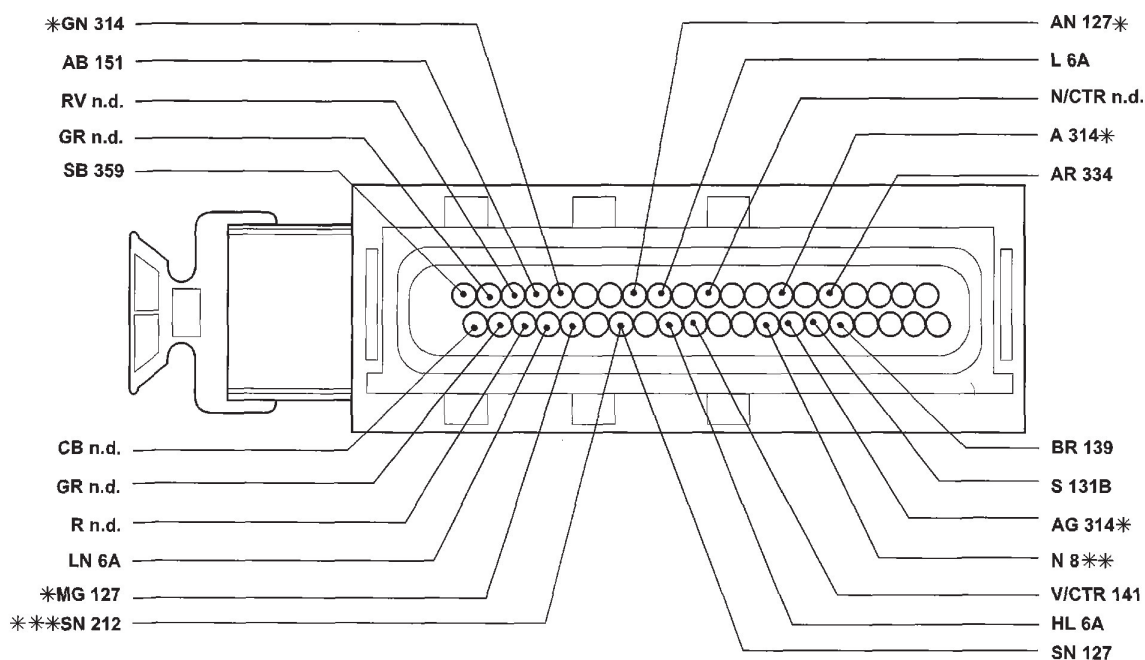
95 Connection between left front/antiskid (A.B.S.) cables



Leads involved in the wiring diagram are marked by a square

55.

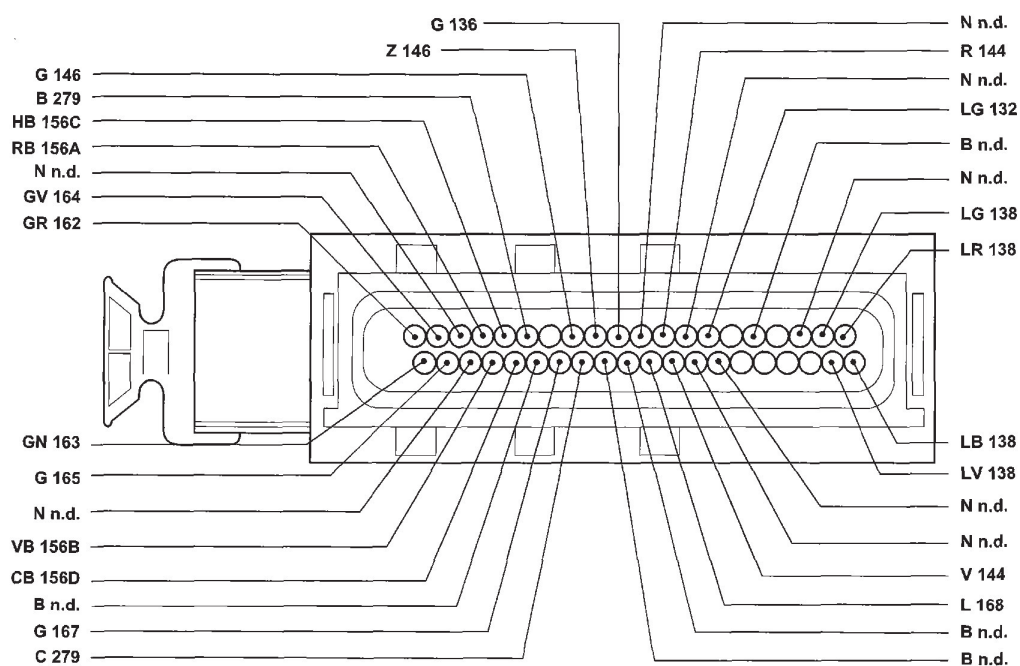
160A Injection/ignition electronic control unit (1747)



- * Non existent for versions without air conditioning
- ** Non existent for versions with air conditioning
- *** Variant connection for versions without air conditioning

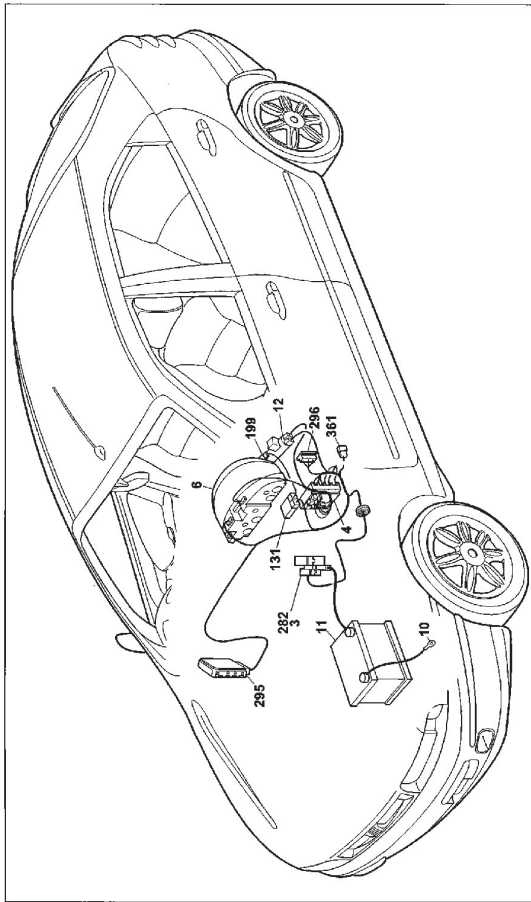
4A066KL01

160B Injection/ignition electronic control unit (1747)



4A066KL02

55.

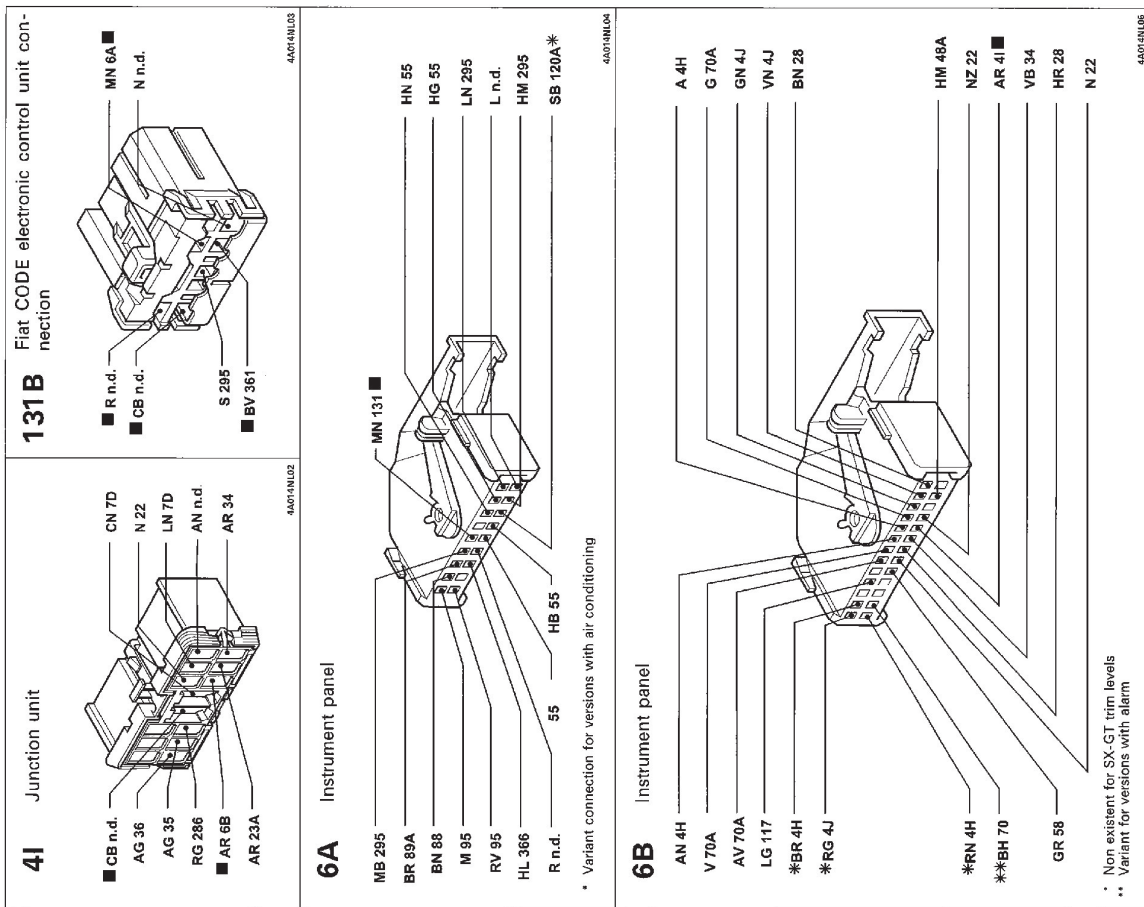


Fiat-CODE and failure warning light

Component key

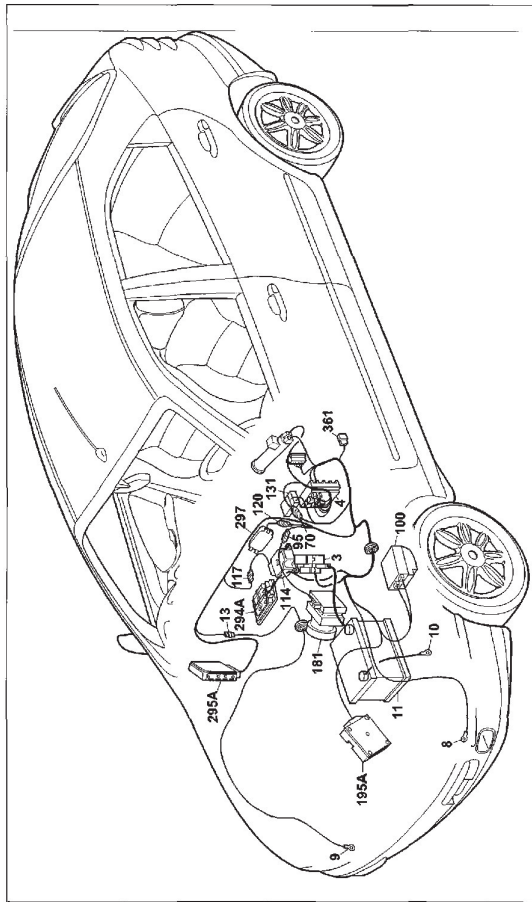
- 3 Power fusebox:
 - A 30A fuse protecting injection system (60A for TD versions)
 - B 40A fuse protecting ignition system
 - C 80A fuse protecting optional equipment
 - D 80A fuse protecting junction unit
- 4 Junction box
- 6 Instrument panel:
 - L Fiat-CODE failure warning light
- 10 Battery earth on bodyshell
- 11 Battery
- 12 Ignition switch
- 131 Fiat CODE electronic control unit
- 199 Aerial for Fiat CODE
- 282 30A fuse protecting Fiat CODE/electronic injection (60 for UNIJET)
- 295 Electronic injection/ignition electronic control unit 1910 UNIJET

- 296 Fuse holder base on front cable:
 - C 7.5A fuse protecting Fiat CODE cooling system/electronic injection
 - F 7.5A fuse protecting Fiat CODE electronic injection socket
- 361 Diagnostic socket
- N.D. Ultrasound welding taped in cable loom



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

55.

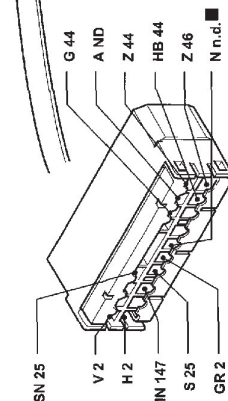


Diagnostic socket connections

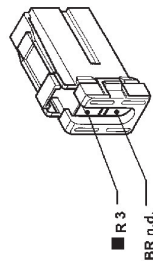
Component key

- 3 Power fusebox:
A 30A fuse protecting injection system (60A for TD versions)
B 40A fuse protecting ignition system
C 80A fuse protecting optional equipment
D 80A fuse protecting junction unit
- 4 Junction unit
8 Left front earth
9 Right front earth
10 Battery earth on bodyshell
11 Battery
13 Connection between right/left front cables
70 Connection between facia/front leads
95 Connection between front cables/anti-lock brakes (A.B.S.)
100 Anti-theft electronic control unit
114 EURO BAG electronic control unit
117 Connection between EURO BAG/dashboard cables
131 Fiat CODE electronic control unit
181 Electro-hydraulic control unit for anti-lock brakes (A.B.S.)
- 195 Injection/ignition electronic control unit (1581)
294 Injection/ignition electronic control unit (1242)
295 Injection/ignition electronic control unit 1910 TD UNIJET
297 Air conditioning control unit
361 Diagnostic socket
N.D. Ultrasound welding taped in cable loom

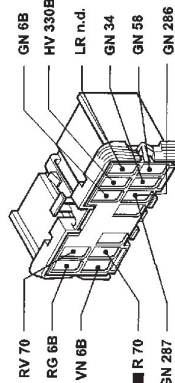
13 Connection between right/left front cables



4A Junction unit



4J Junction unit

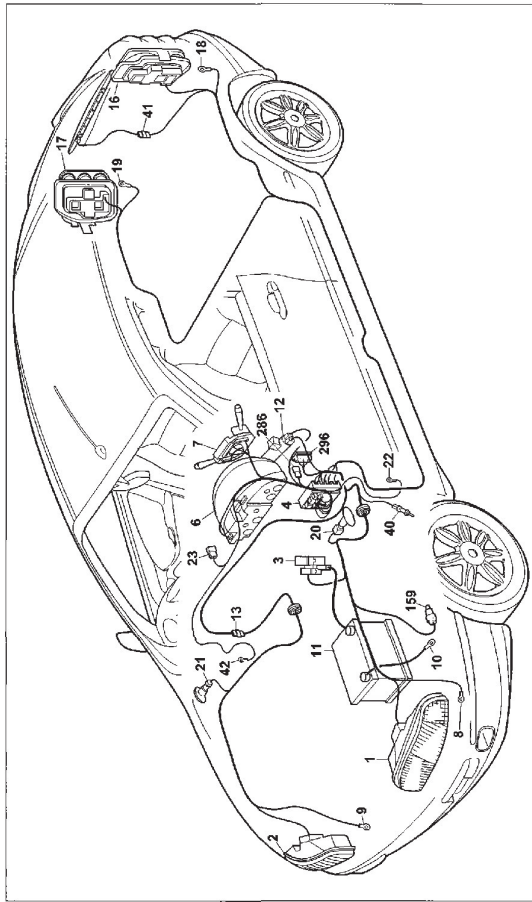


95 Cable connection



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

55.



ELX trim level:

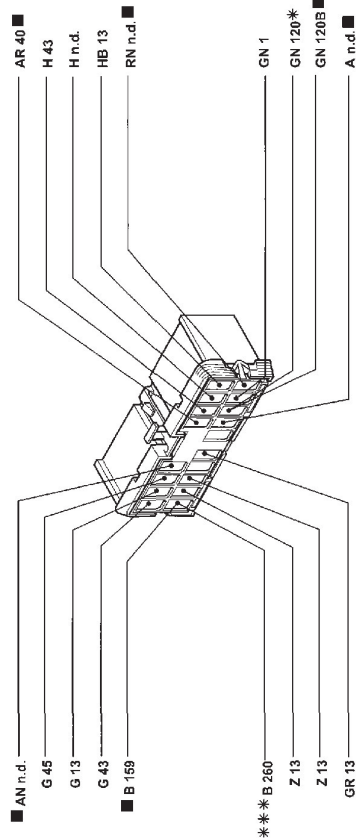
Direction indicators and warning light - Hazard warning lights and warning light - Brake lights - Reversing lights -
Vehicle brake lights failure warning light

Component key

- 1 Left front light cluster
- 2 Right front light cluster
- 3 Power fusebox:
 - A 30A fuse protecting injection system
 - B 40A fuse protecting ignition system
 - C 80A fuse protecting optional equipment
 - D 80A fuse protecting junction unit
- 4 Junction unit
- 6 Instrument panel:
 - C Left direction indicator warning light
 - D Right direction indicator warning light
 - S Brake lights failure electronic module
 - T Brake lights failure warning light
 - Y Electronic module
- 7 Stalk unit:
 - H Direction indicators control switch
 - G Direction indicators/hazard warning lights switch
- 8 Left front earth
- 9 Right front earth
- 10 Battery earth on bodyside
- 11 Battery
- 12 Ignition switch
- 13 Connection between right/left front cables
- 16 Left tail light cluster
- 17 Right tail light cluster
- 18 Left rear earth
- 19 Right rear earth
- 20 Left front side direction indicator
- 21 Right front side direction indicator
- 22 Left facia earth
- 23 Hazard warning lights switch unit
 - A Hazard warning lights warning light
 - B Hazard warning lights control switch
 - C Hazard warning lights ideogram light
- 40 Brake light control switch
- 41 Additional brake light
- 42 Right dashboard earth
- 159 Reversing lights control switch
- 286 Circuit connection
- 296 Fuse holder base on front cable
 - A 7.5A fuse protecting cooling system/electronic injection; A.C. system; Alarm; Direction indicators and warning light; Hazard warning lights and warning light; Brake lights; Reversing lights

N.D. Ultrasound welding taped in cable loom

4D Junction unit

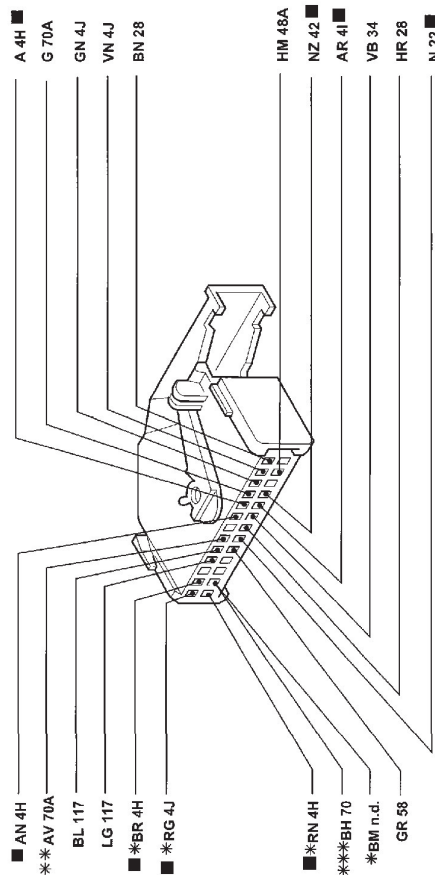


* Variant connection for versions without air conditioning

** Variant connection for JTD versions

*** Variant connection for versions with automatic transmission

6B Instrument panel



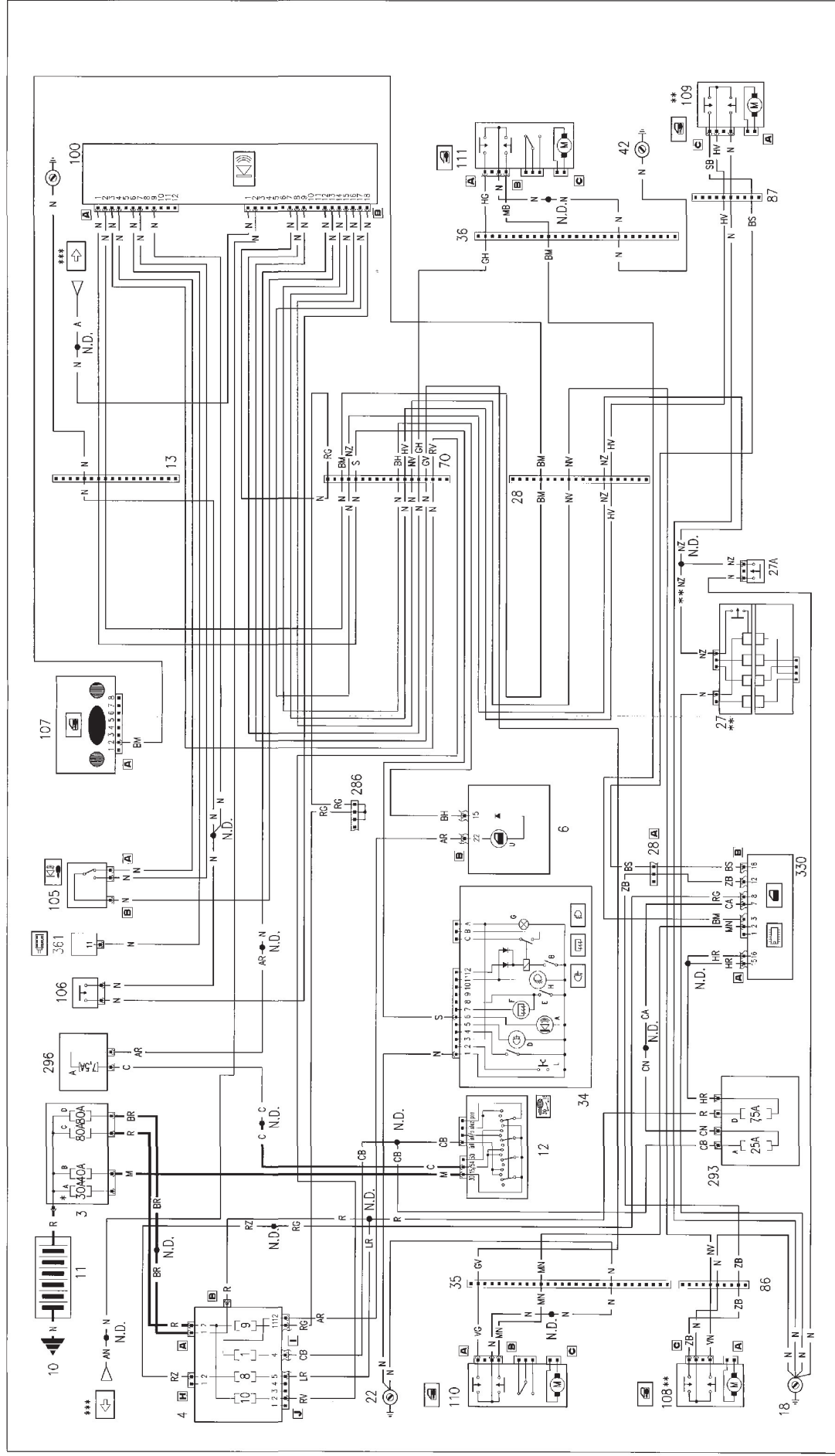
* Non existent for SX-GT trim levels

** Variant connection for versions with passenger AIR BAG

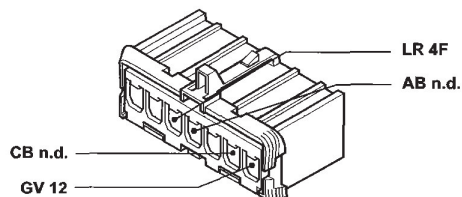
*** Variant connection for SX-GT trim levels with alarm

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

ELX trim level
Version with ABI:
Alarm - Alarm on warning light

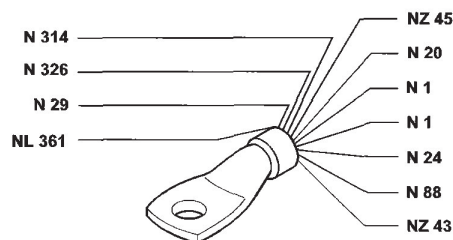


7B Steering column switch unit (JTD)



4A087NL01

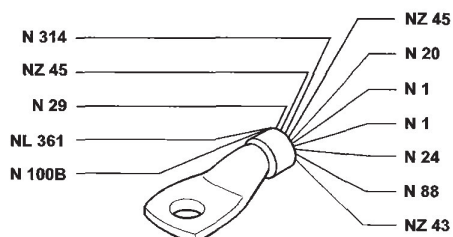
8 Left front earth (1242)



Only for ELX version

4A087NL02

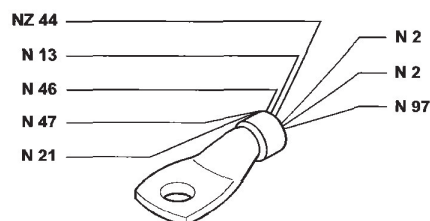
8 Left front earth (1581)



Only for ELX version

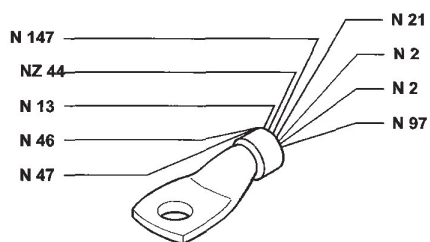
4A087NL03

9 Right front earth (JTD)



4A087NL04

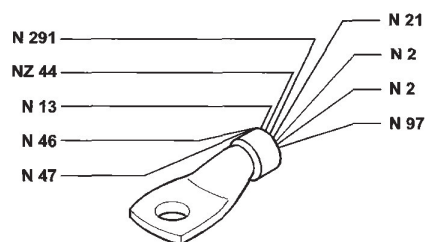
9 Right front earth (1581)



Only for SX version

4A087NL05

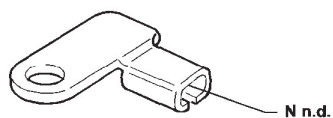
9 Right front earth (1242)



Only for SX version

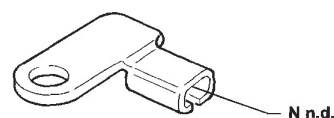
4A087NL06

10 Earth for battery on bodyshell (1242)



4A087NL07

10 Earth for battery on bodyshell (1581)



4A087NL08