

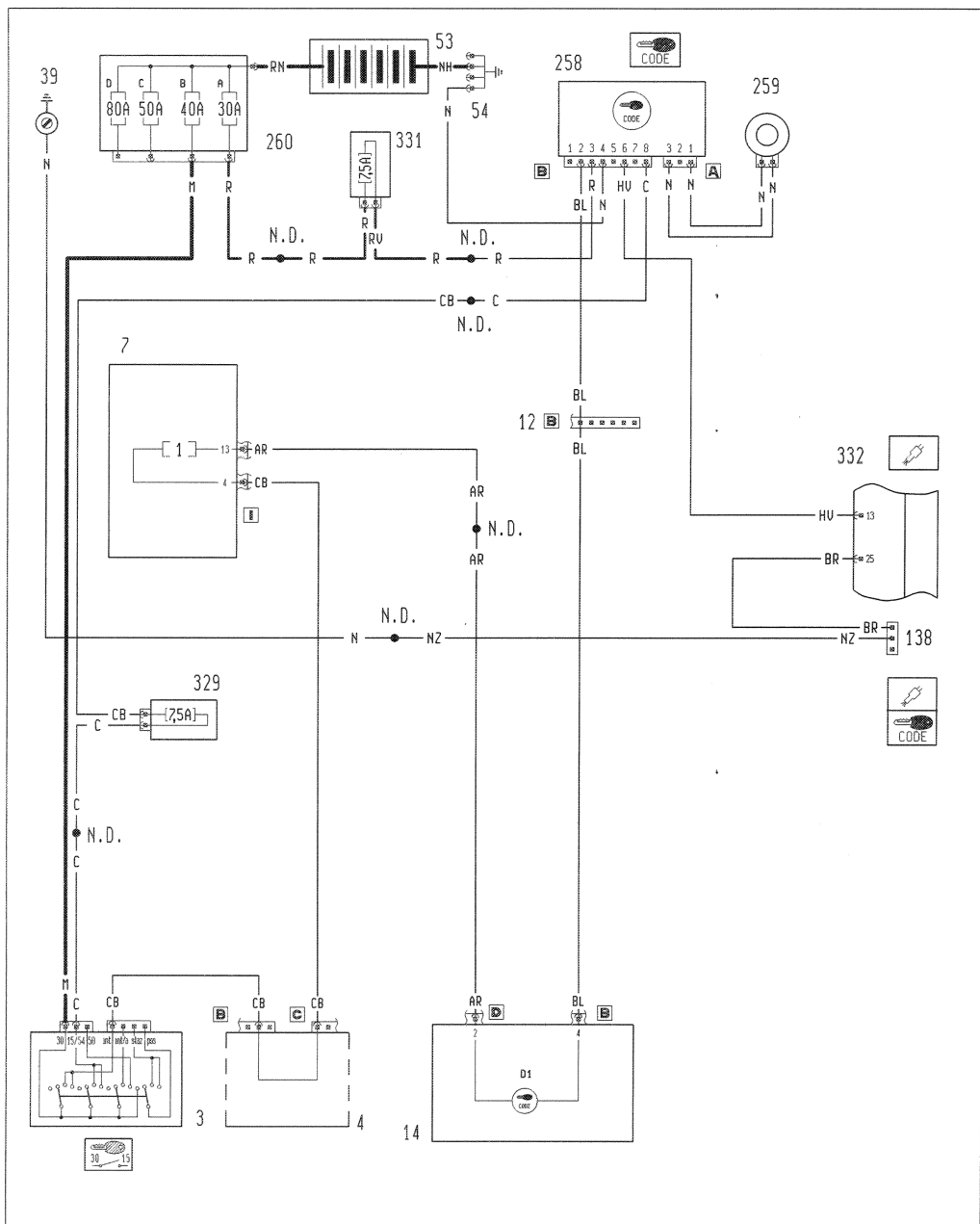
PUNTO eMANUAL

Electrical Equipment

Title	Page
Diagrams	1 ➡

55.

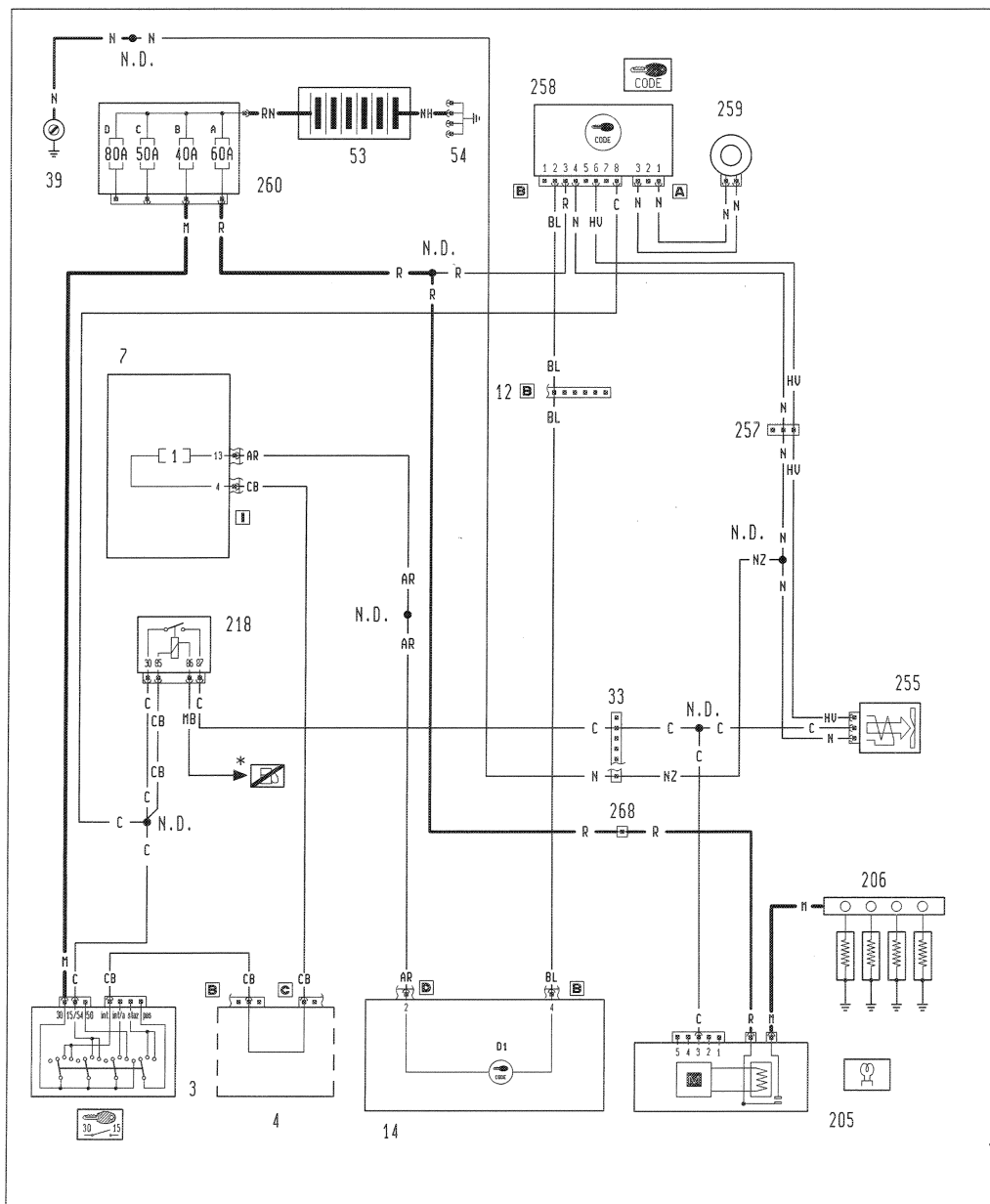
Fiat-CODE device and warning light - (see key following diagrams)



P3M74KL01

Diesel versions

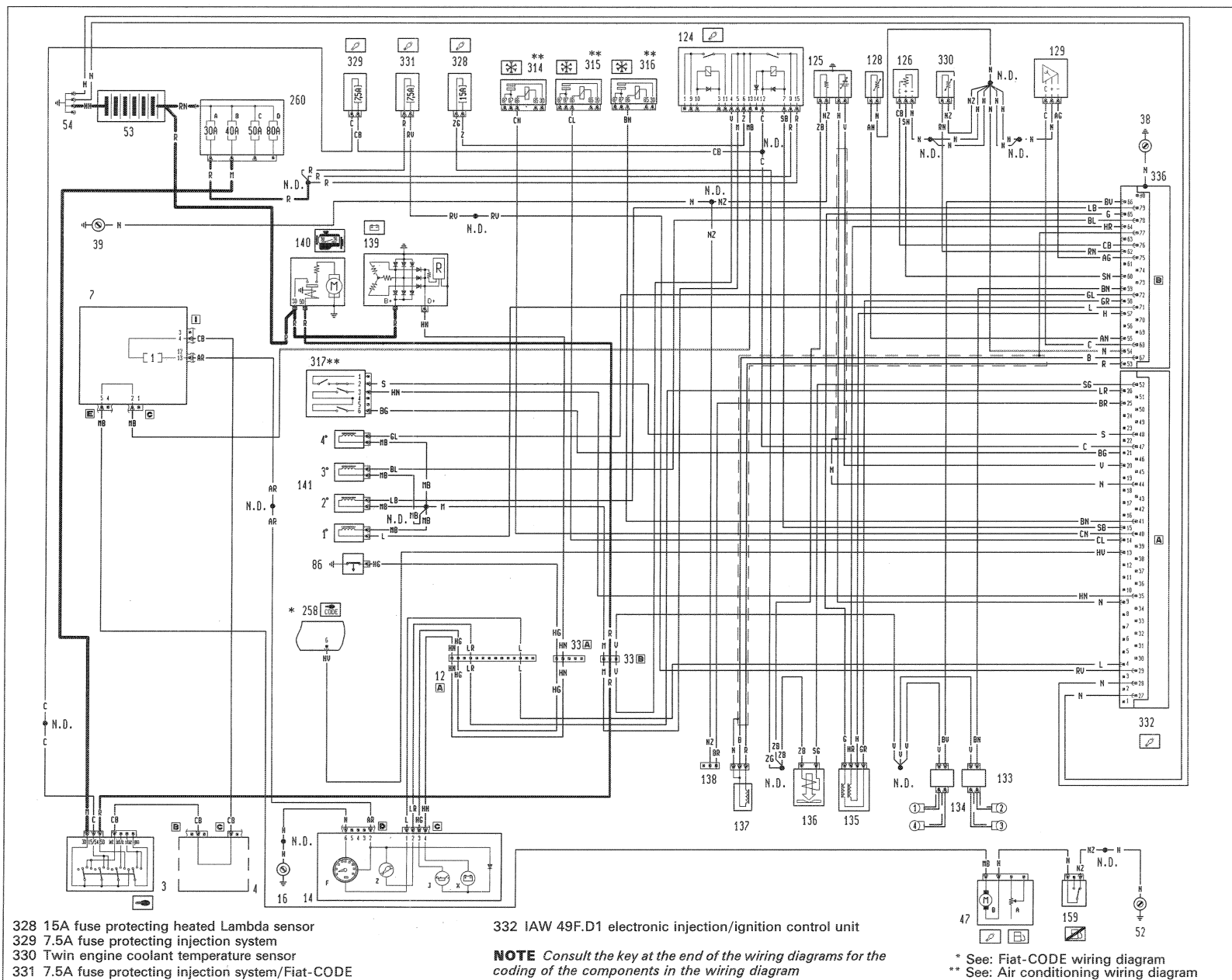
Fiat-CODE and failure warning light - (see key at end of wiring diagrams)



P3M74KL02

55.

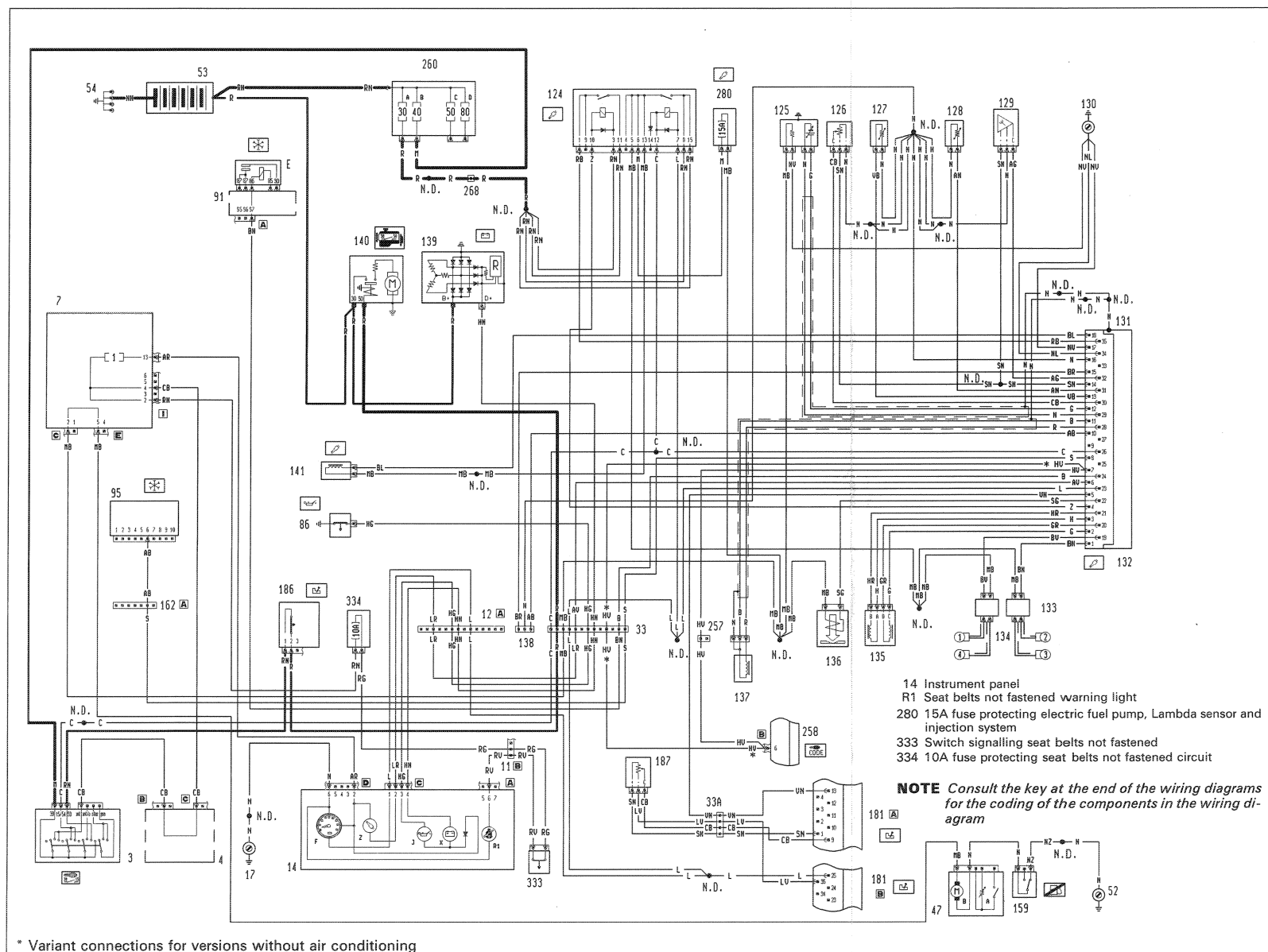
Starting - Electronic injection and ignition (IAW 49F.D1) - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter - (see key at end of wiring diagrams)



Version: Japan

Trim level: Selecta

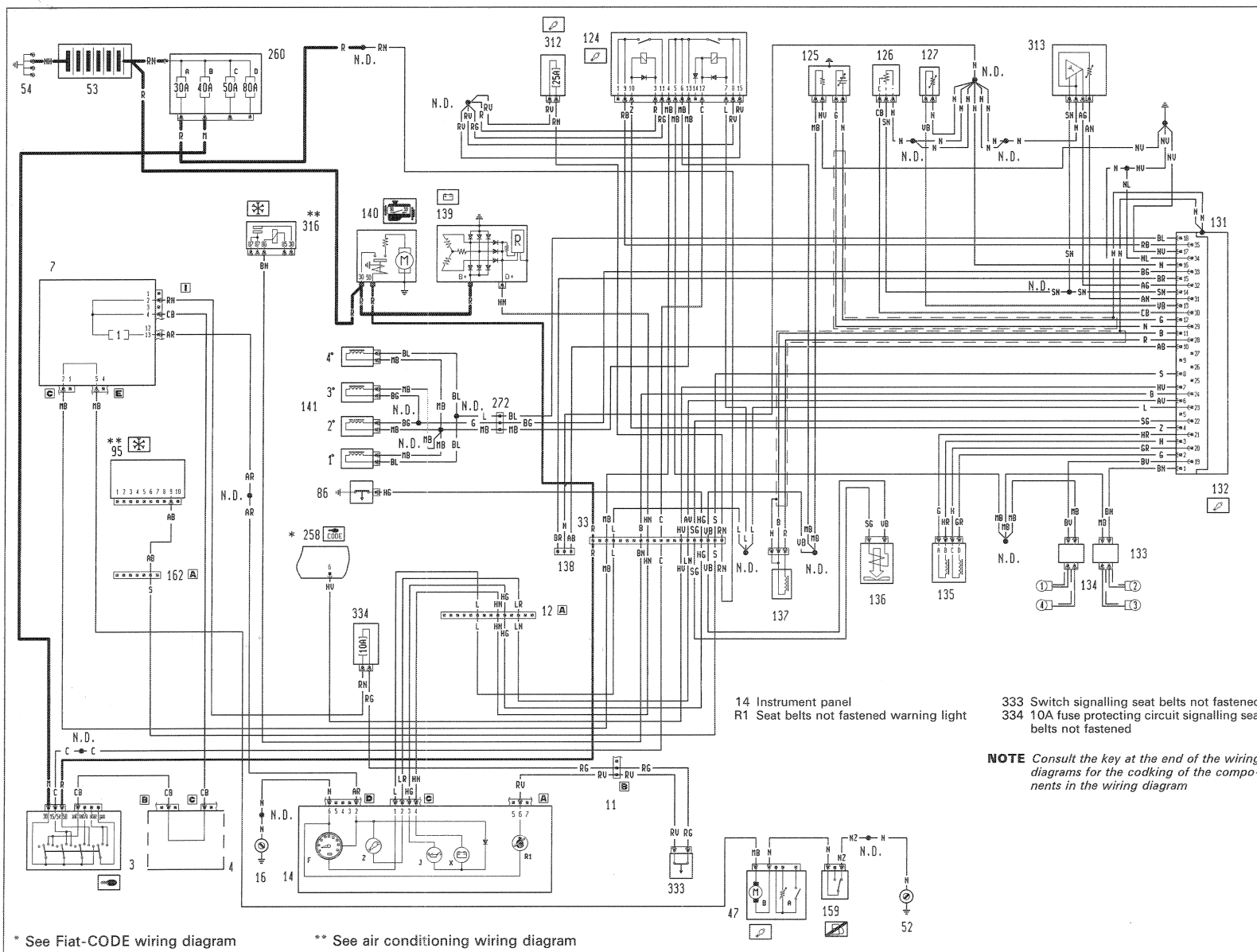
Starting - Electronic injection and ignition - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter - Seat belt unfastened warning light - (see key at end of wiring diagrams)



55.

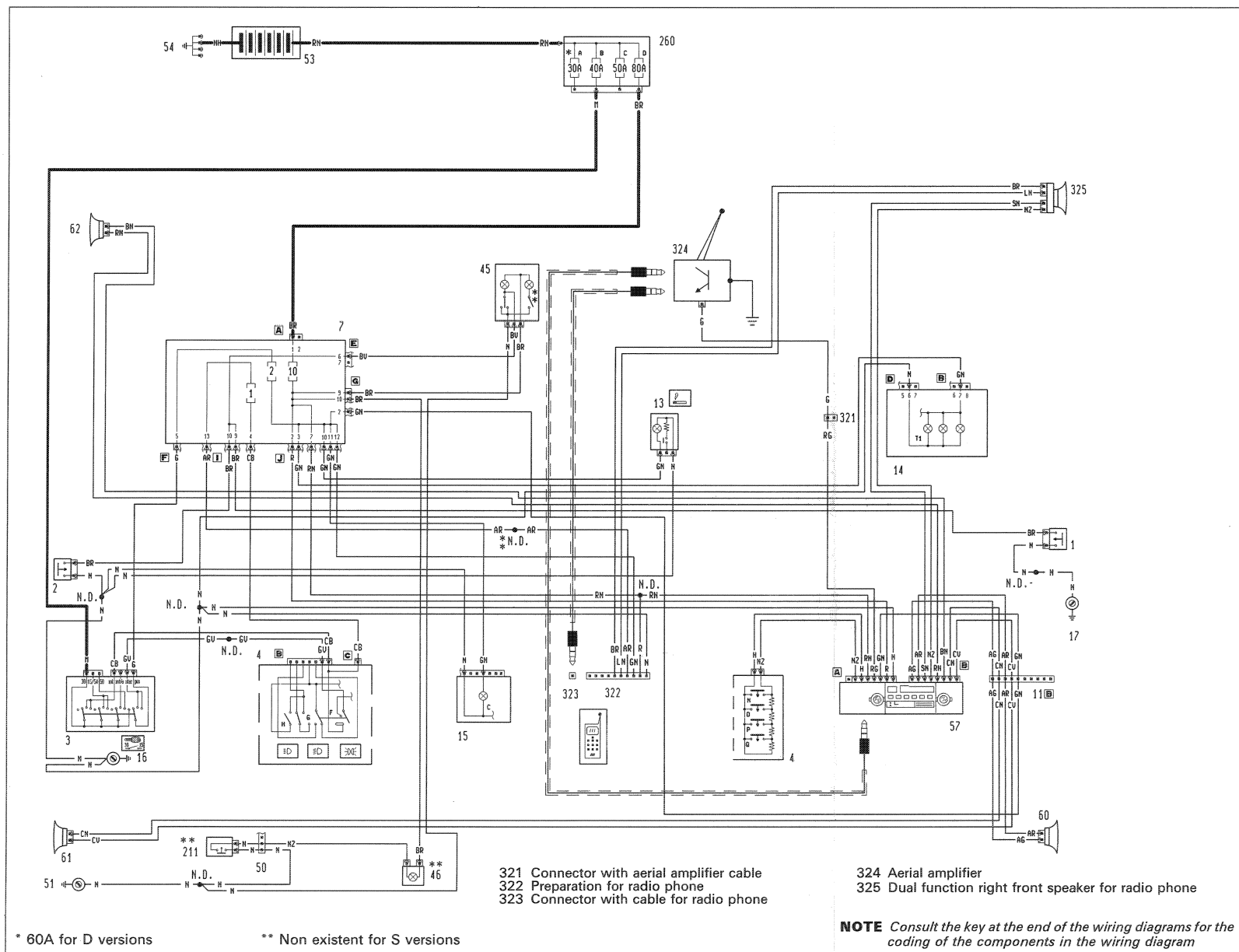
Version: Japan

Starting - Electronic injection and ignition - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter - Seat belt unfastened warning light - (see key at end of wiring diagrams)



Trim level: S - SX

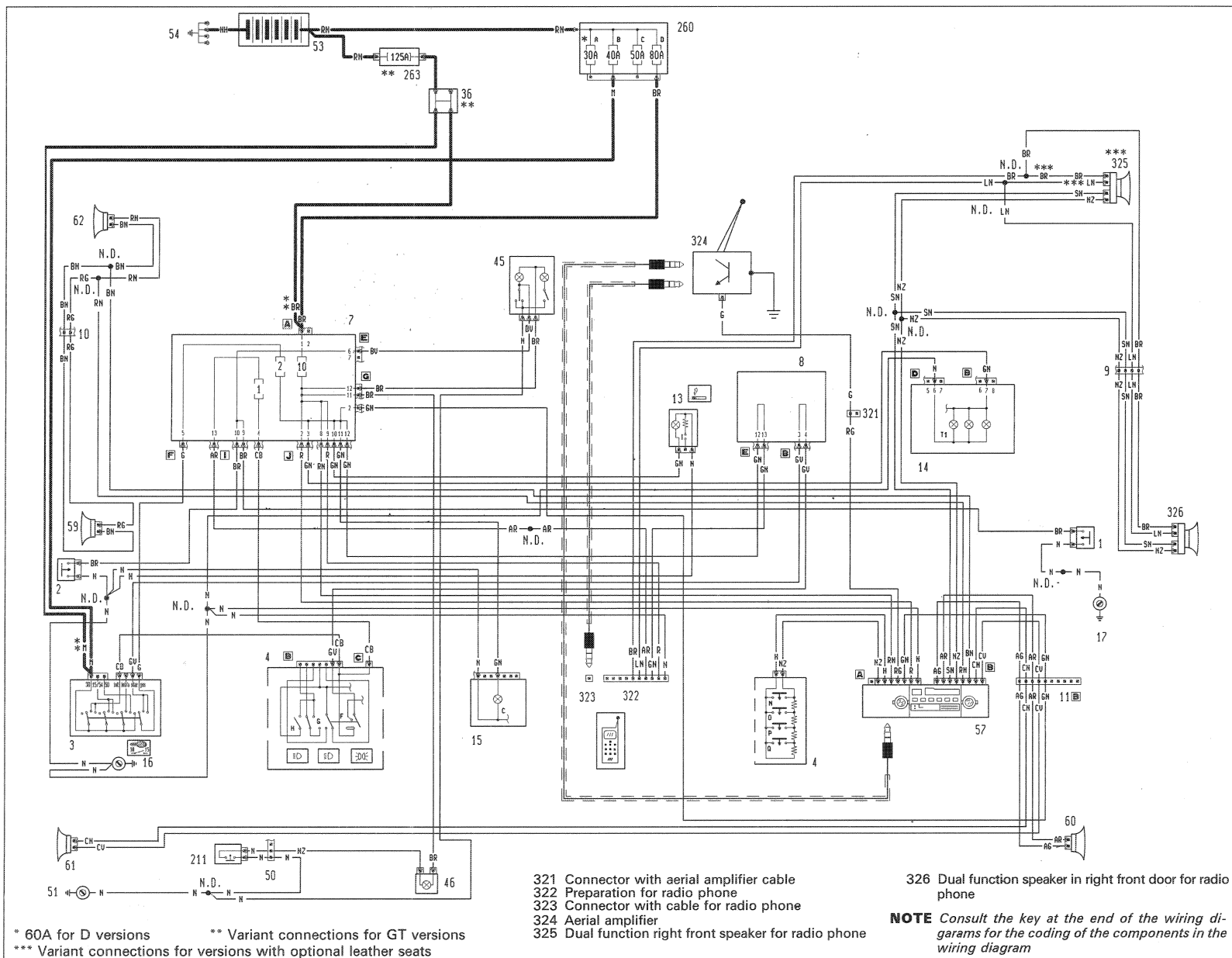
Wiring for radio - Vehicle interior lights - Ideogram lights - Preparation for radio phone - (see key at end of wiring diagrams)



55.

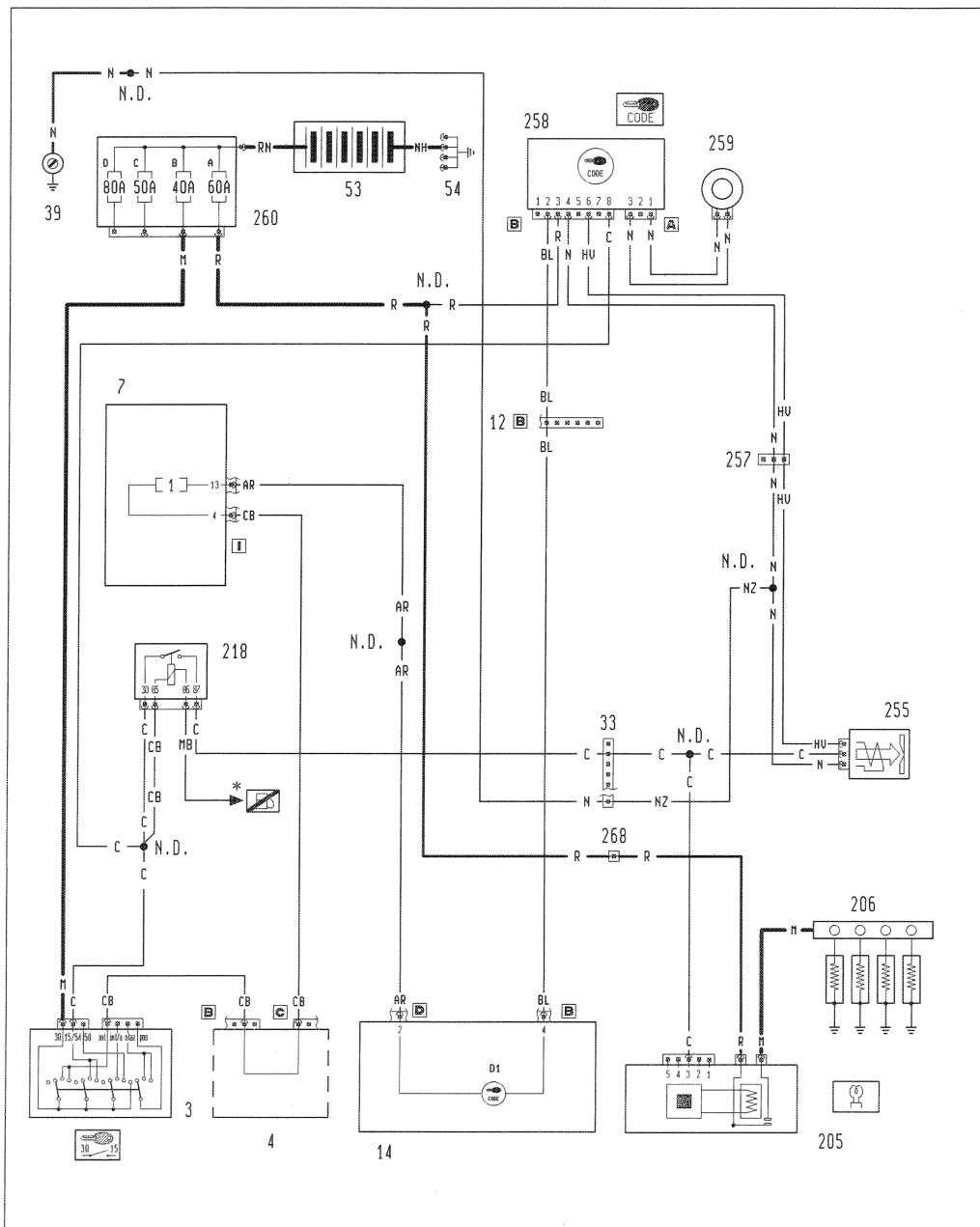
Trim level: ELX - GT - Sporting

Wiring for radio - Vehicle interior lights - Ideogram lights - Preparation for radio phone - (see key at end of wiring diagrams)



P3M74KLO7

Fiat-CODE device and warning light - (see key following diagrams)



P3M74KL02

P3M74KLQ3

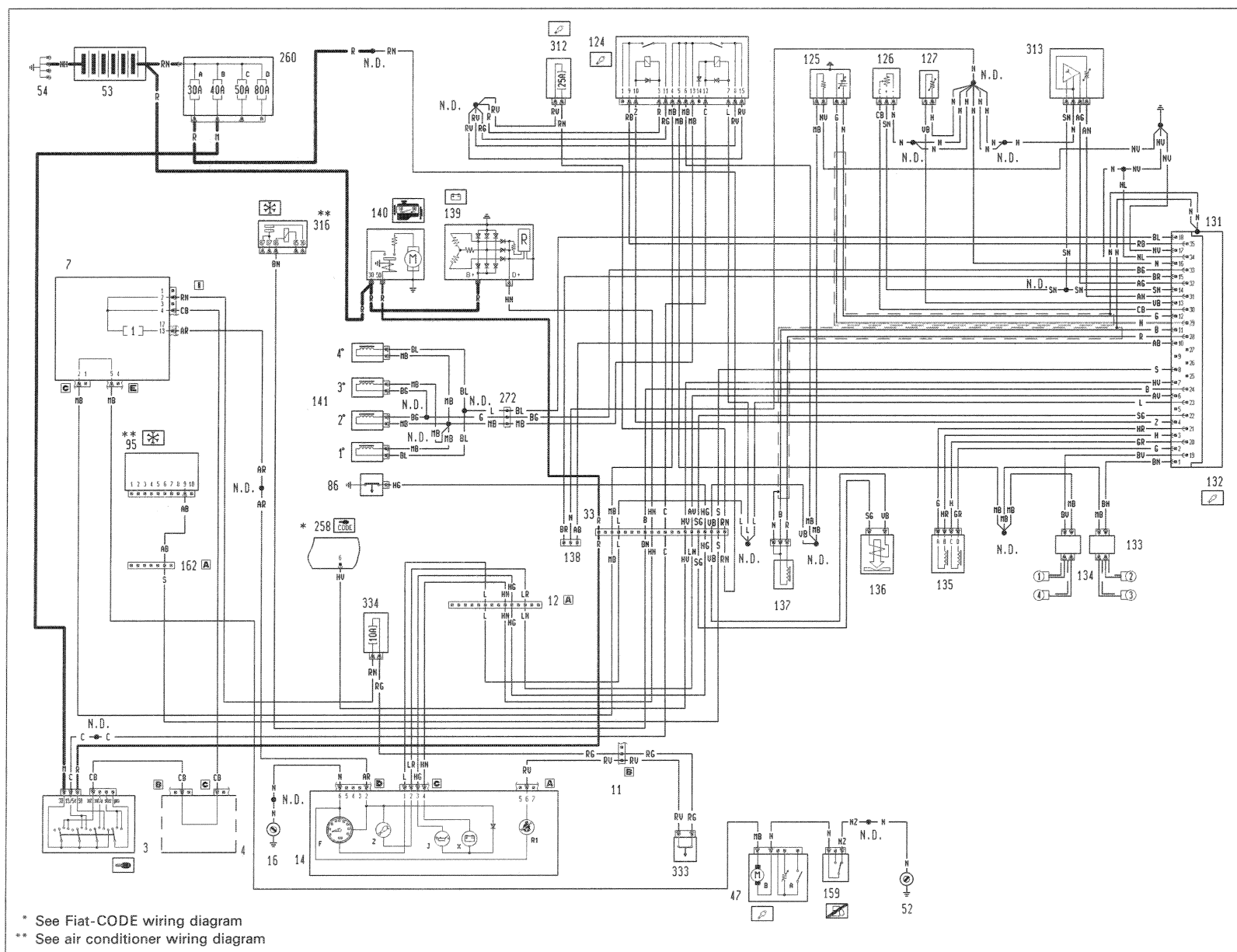
Starting - Electronic ignition and injection - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter - Seat belt unfastened warning light - (See key following diagrams)



55.

Version: Japan

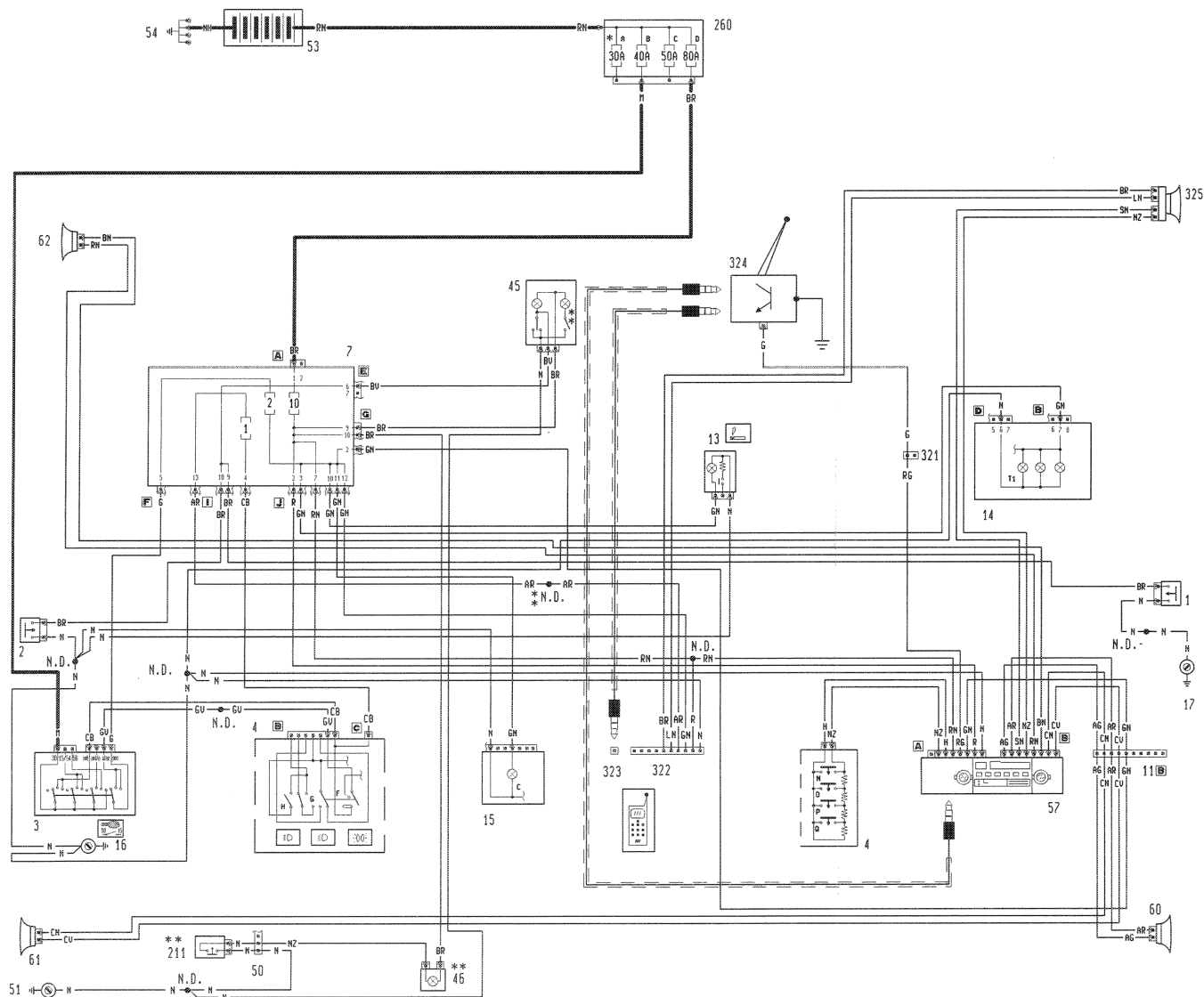
Starting - Electronic ignition and injection - Recharging and warning light - Insufficient engine oil pressure warning light - Injection system failure warning light - Rev counter - Seat belt unfastened warning light - (See key following diagrams)



P3M74KL05

Version: S - SX - 6 Speed - Selecta - HSD - Sporting

Provision for car radio - Courtesy light - Symbol illumination - Provision for car telephone - (See key following diagrams)



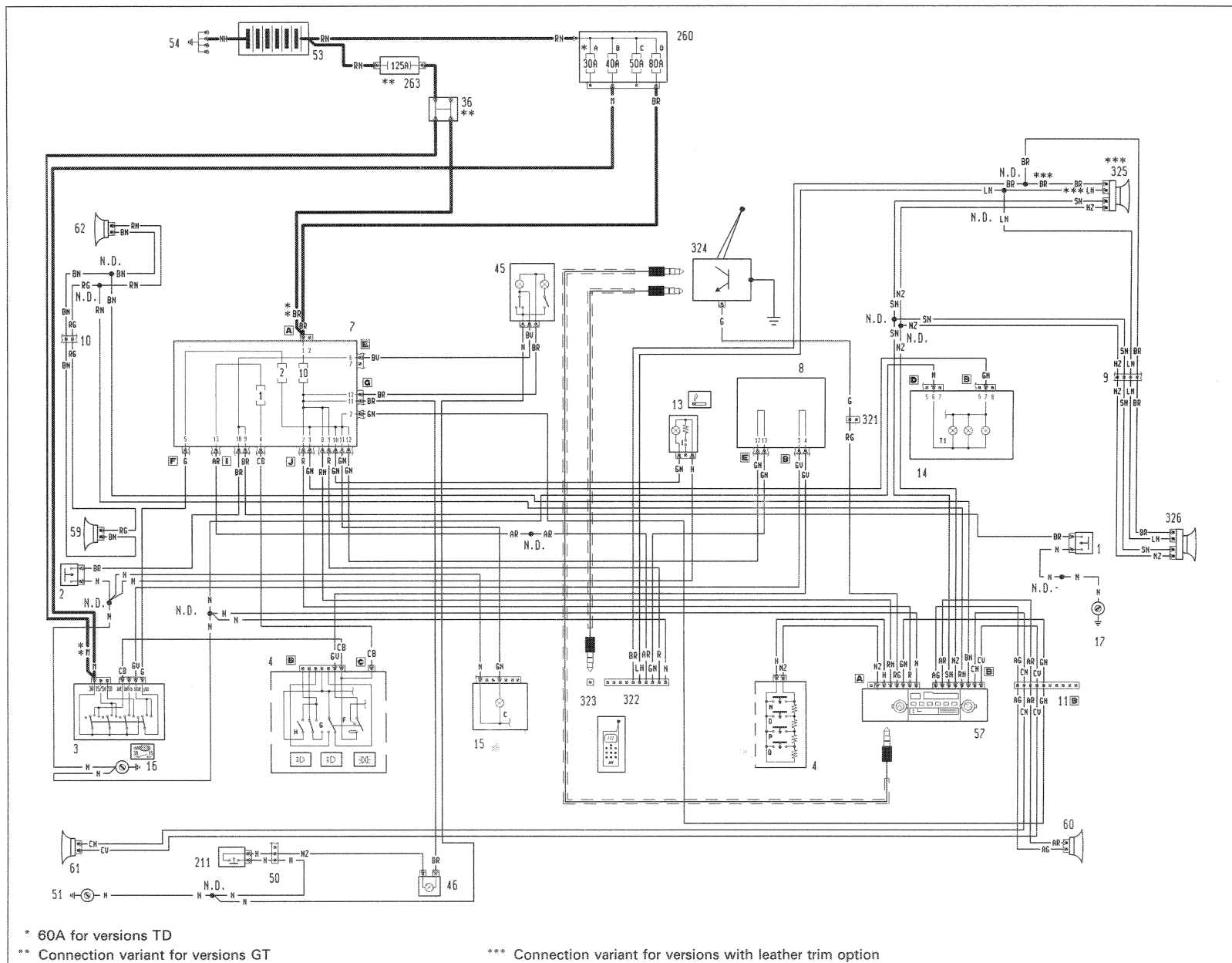
* 60A for versions TD

** Not present on S

55.

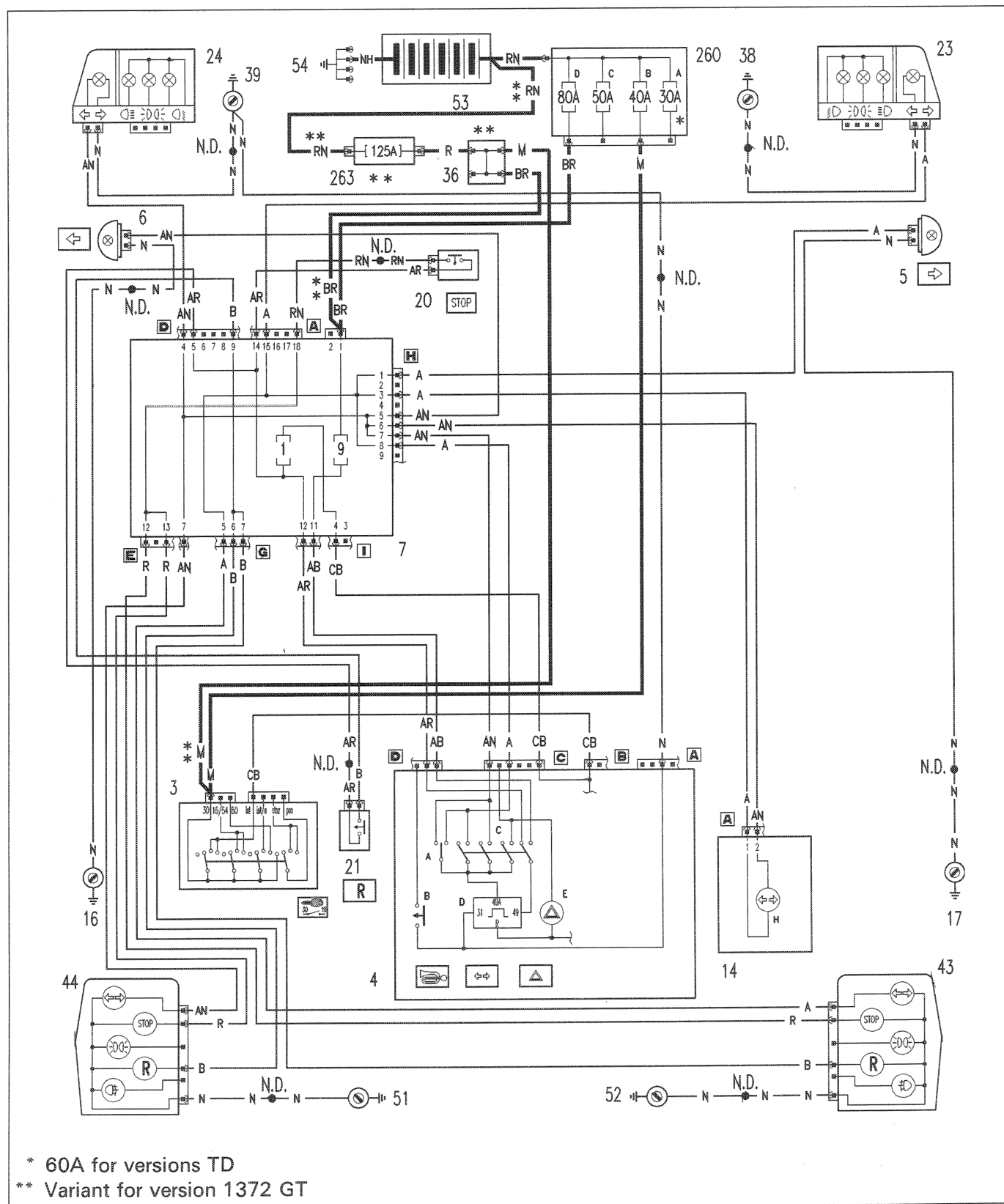
Version: ELX - GT

Provision for car radio - Courtesy light - Symbol illumination - Provision for car telephone - (See key following diagrams)



Version: ELX - GT - Sporting

Turn signals and warning light - Hazard warning lights and warning lamp - Reversing lights - Braking lights and check warning light - (see key following diagrams)

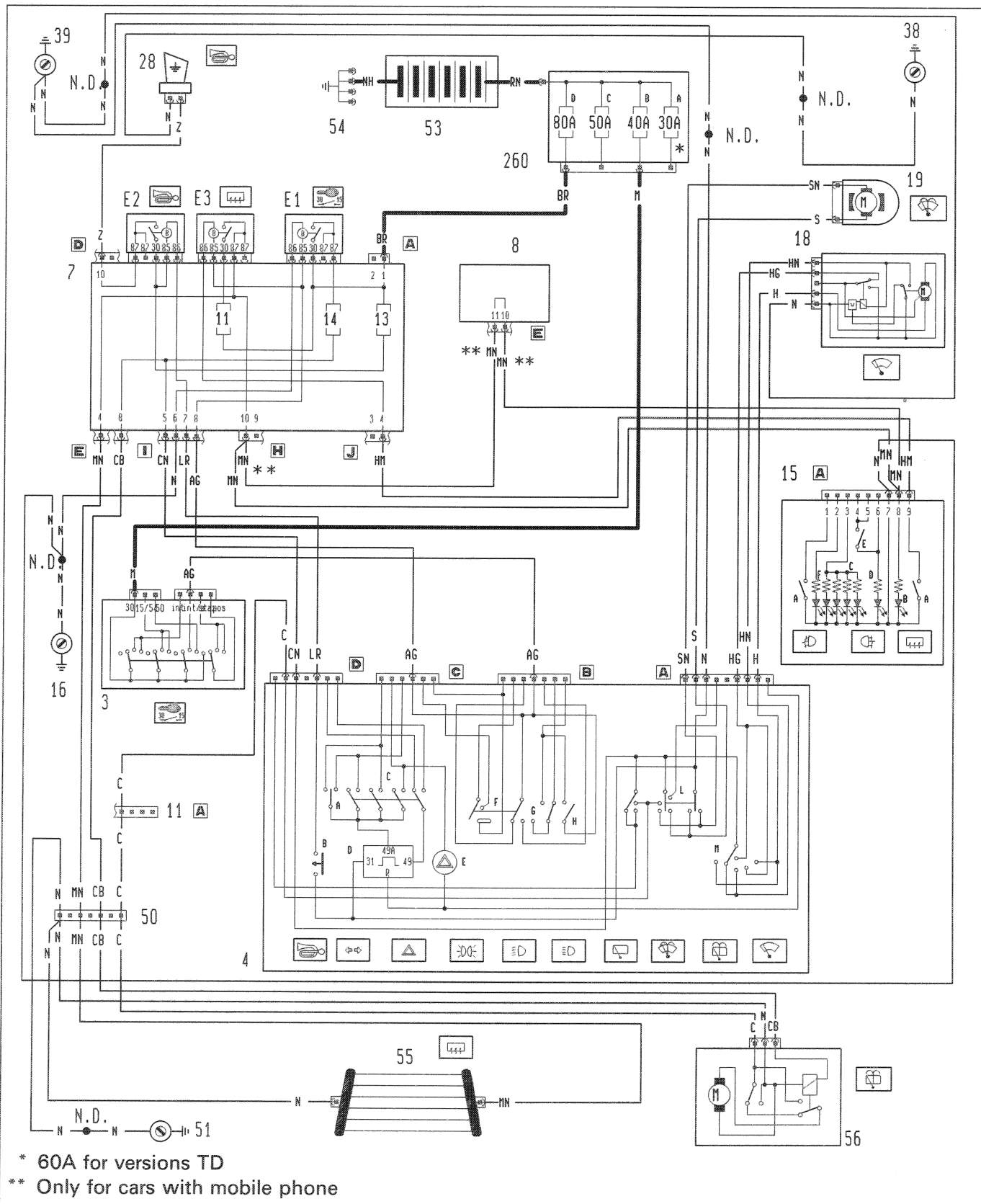


P3M08YL01

55.

Version: ELX

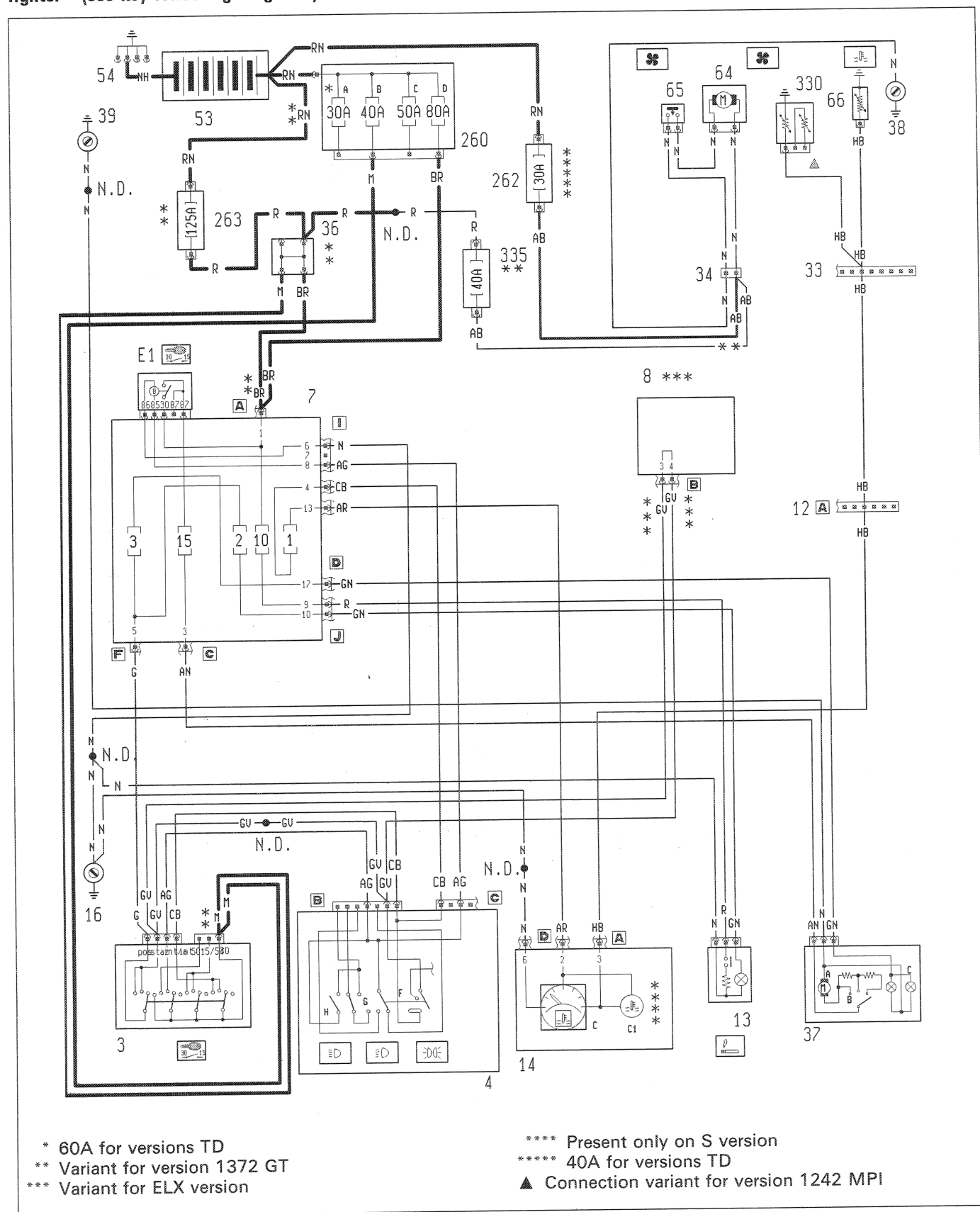
Windscreen wiper - Rear wash/wipe - Windscreen and rear window washer pump - Electric horns - Heated rear window and warning light - (see key following diagrams)



P3M09YL01

Version without air conditioner

Engine cooling system - Car interior ventilation - Water temperature gauge - Coolant overheating warning light - Cigar lighter - (see key following diagrams)

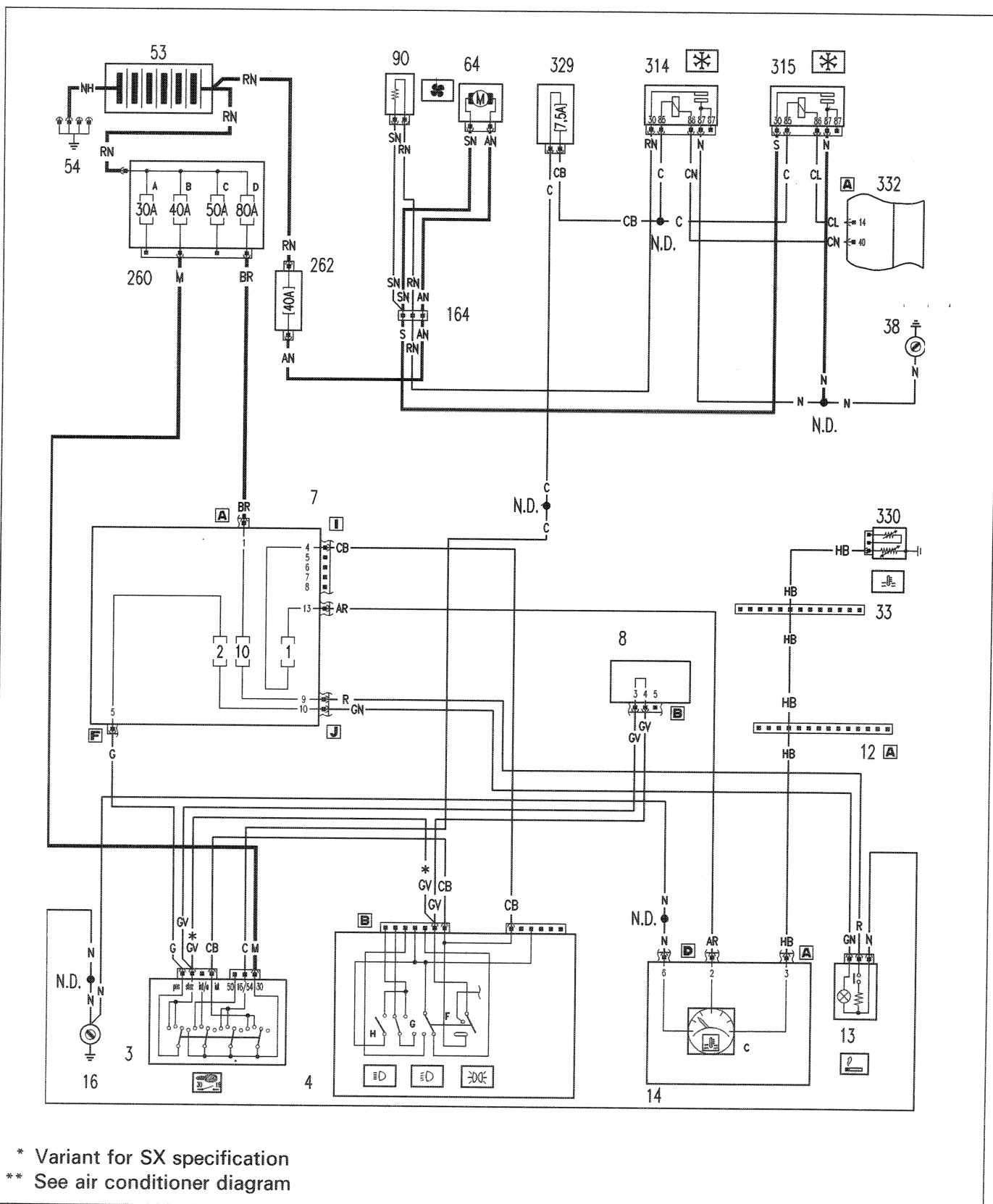


P3M10YLO1

55.

Version with air conditioner

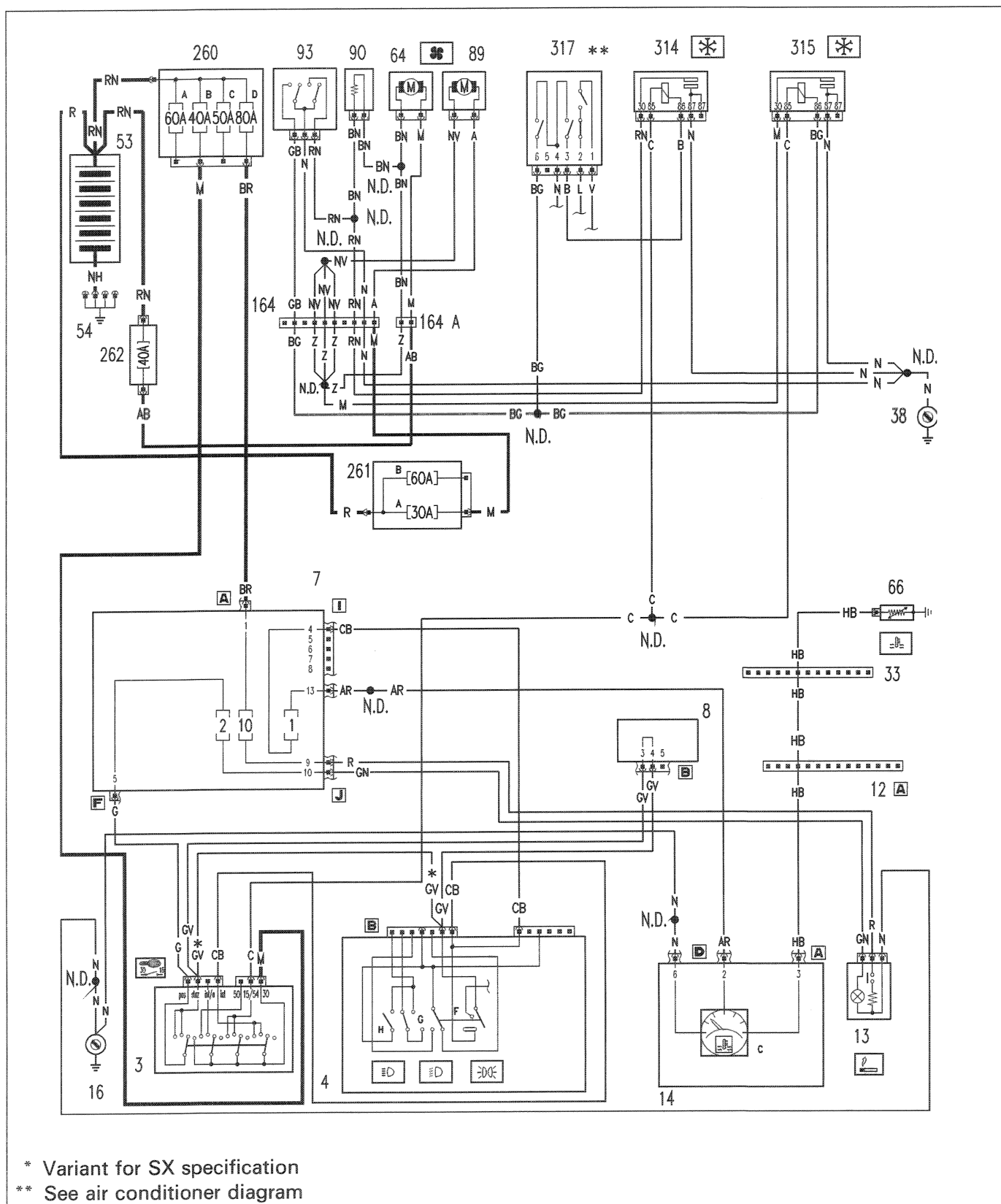
Engine cooling system - Car interior ventilation - Water temperature gauge - Cigar lighter - (see key following diagrams)



P3M11YL01

Version with air conditioner

Engine cooling system - Car interior ventilation - Water temperature gauge - Cigar lighter - (see key following diagrams)

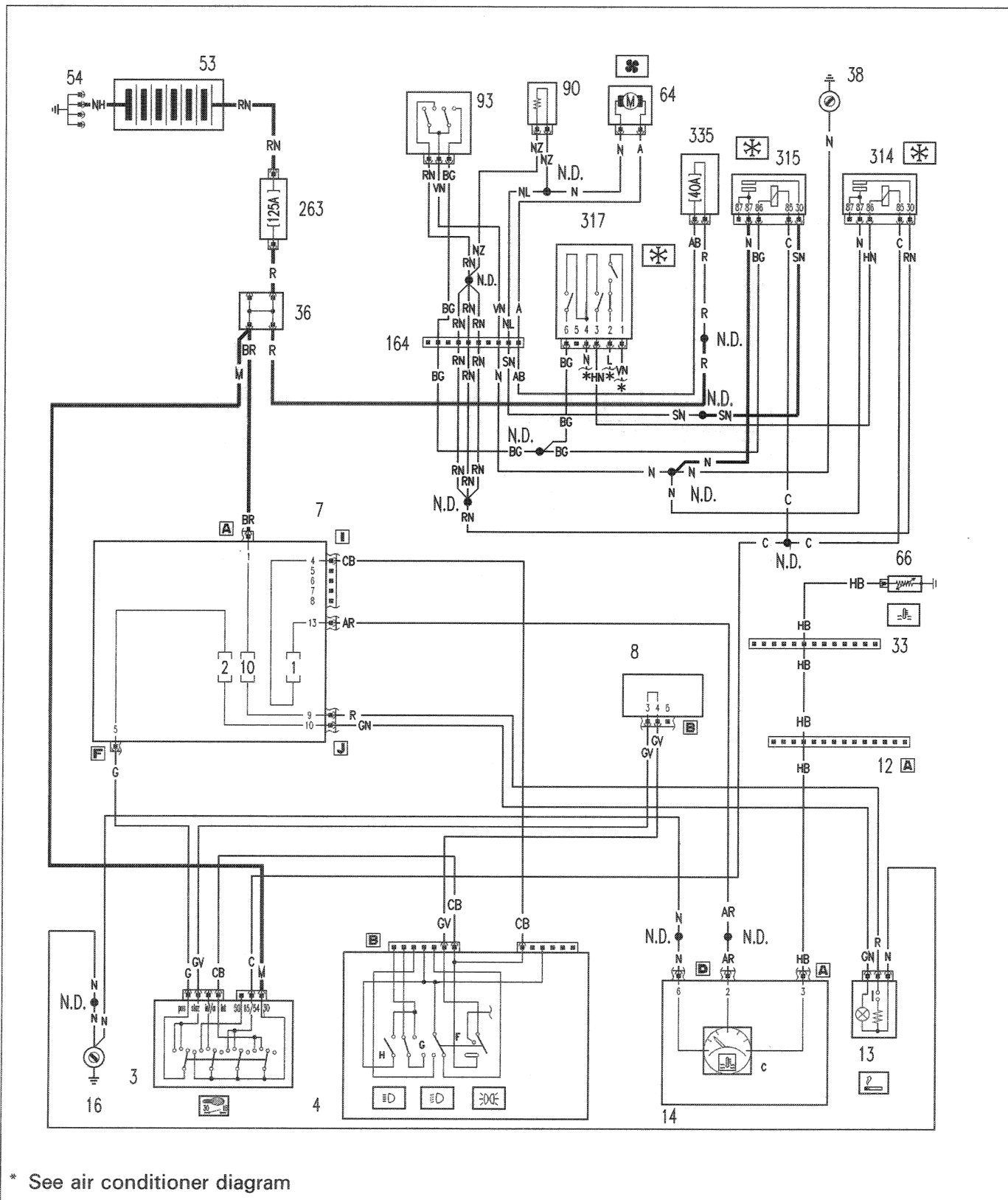


P3M12YL01

55.

Version with air conditioner

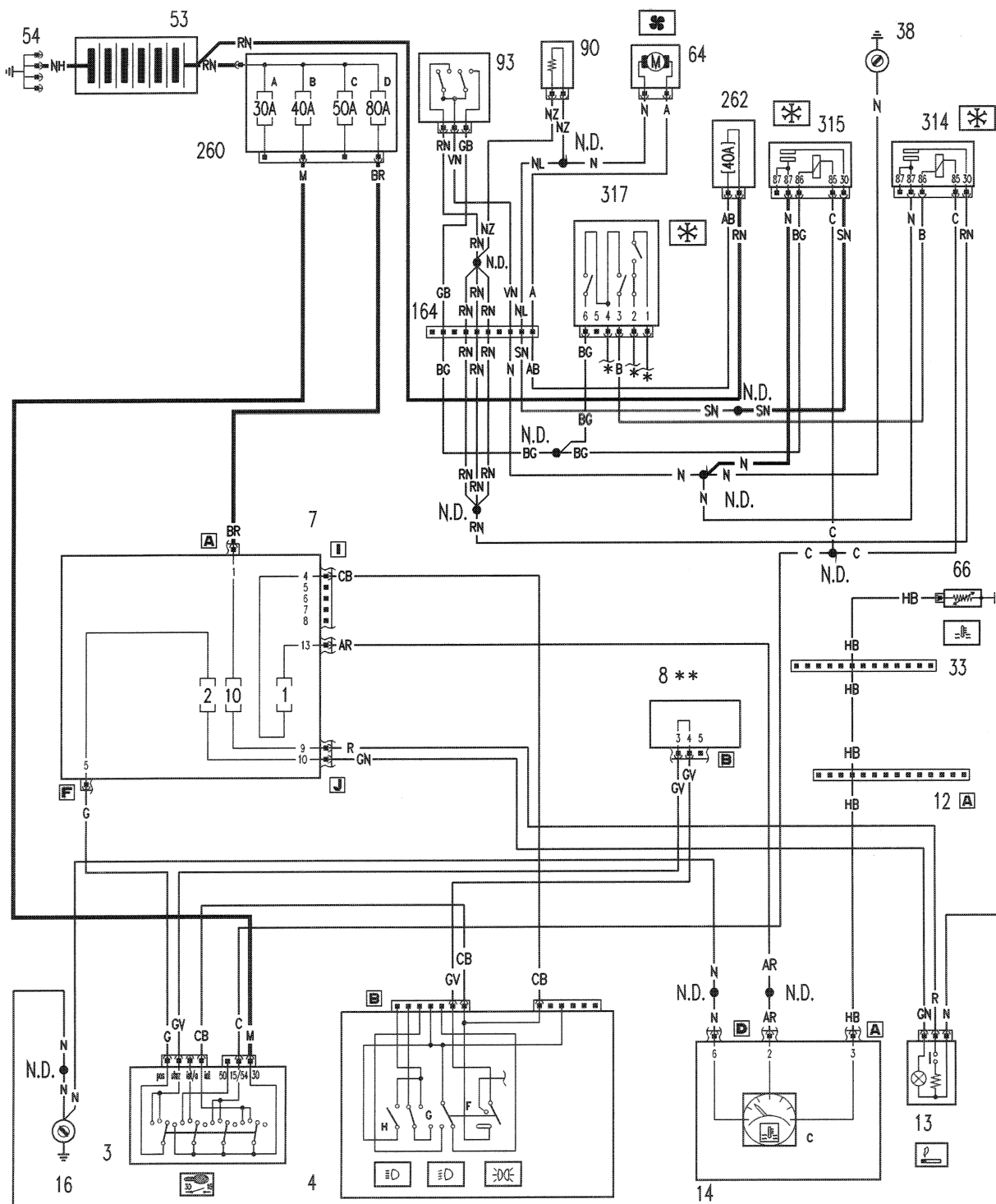
Engine cooling system - Car interior ventilation - Water temperature gauge - Cigar lighter - (see key following diagrams)



P3M13YL01

Version with air conditioner: 1242 SPI SX - Selecta - 1242 MPI 16v ELX - Sporting

Engine cooling system - Car interior ventilation - Water temperature gauge - Cigar lighter - (see key following diagrams)



* See air conditioner diagram

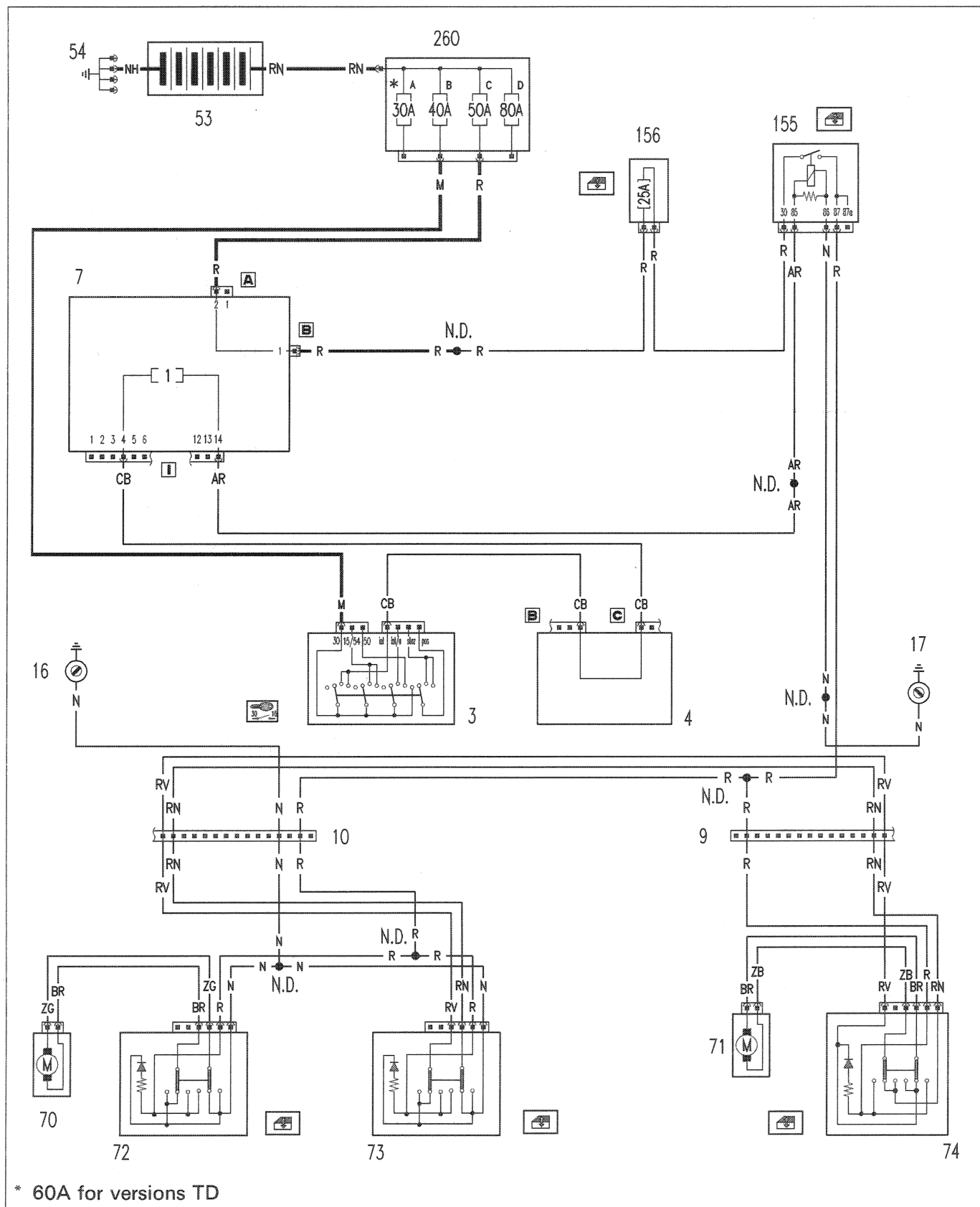
** Connection variant for versions ELX

P3M14YL01

55.

Version: S - SX - HSD - 6 Speed - Selecta - Sporting

Electric front windows - (see key following diagrams)

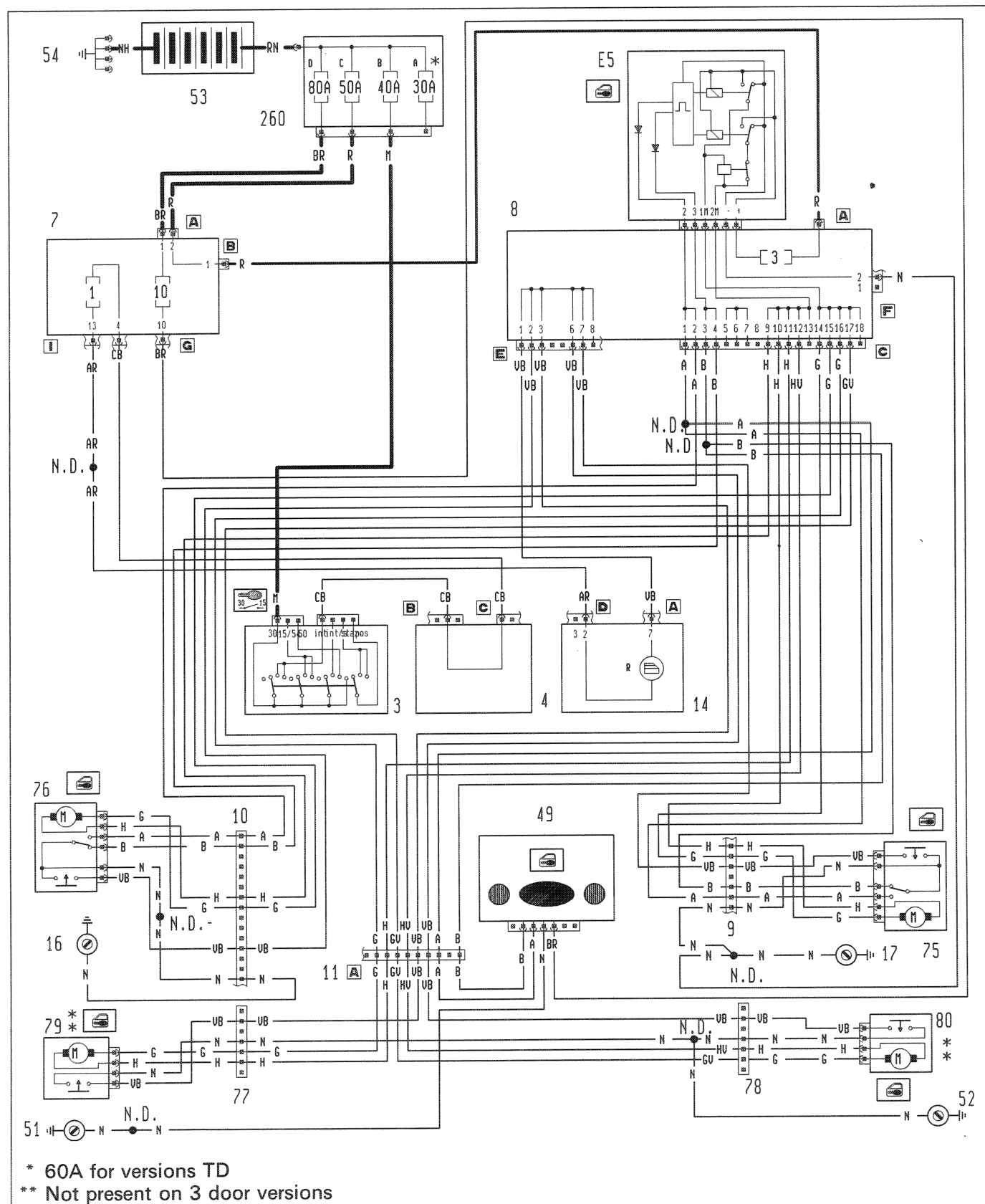


P3M15YL01

Version without alarm

Version: ELX

Electric door lock - Door open warning light - (see key following diagrams)



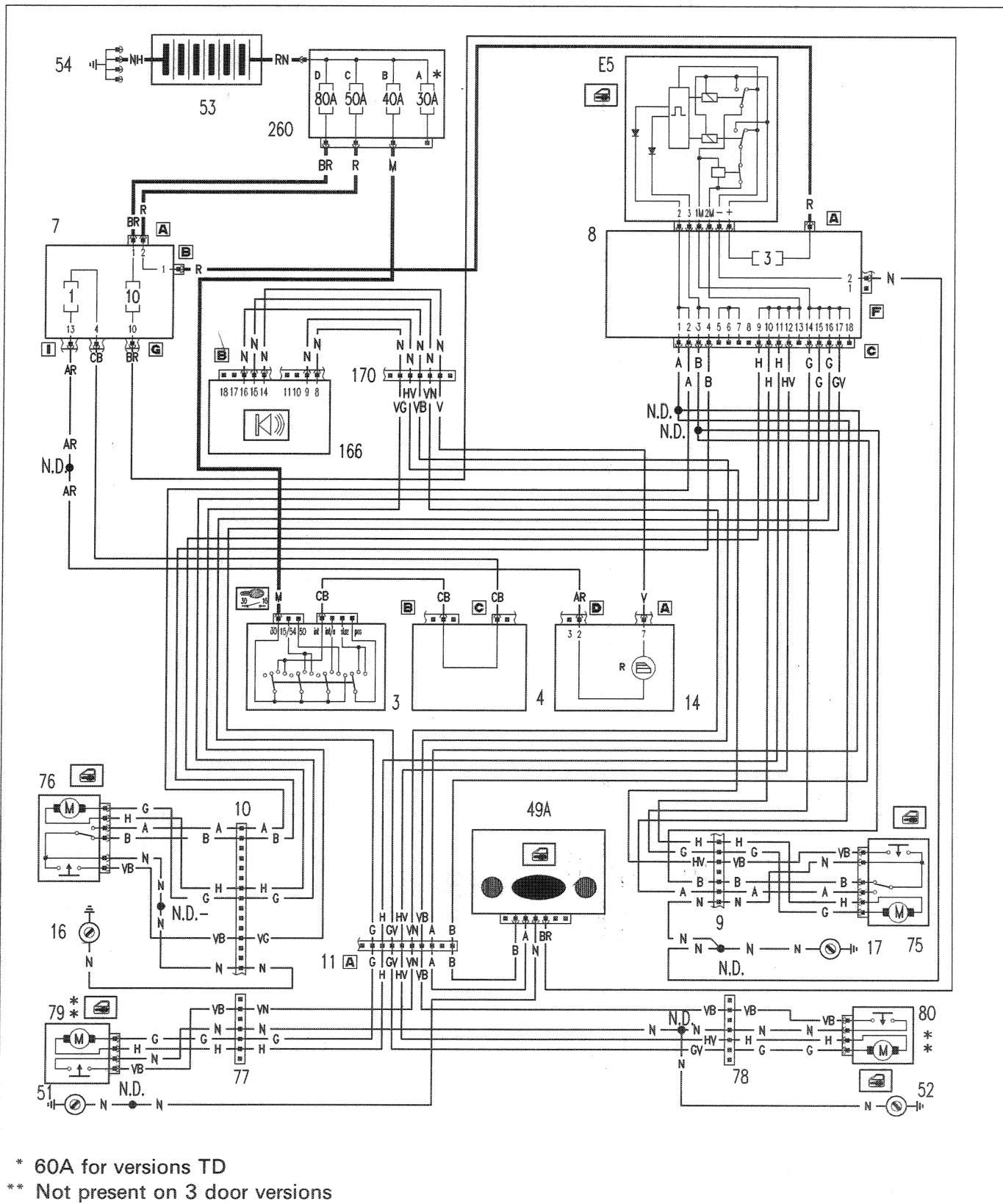
P3M16YL01

55.

Version with alarm

Version: ELX

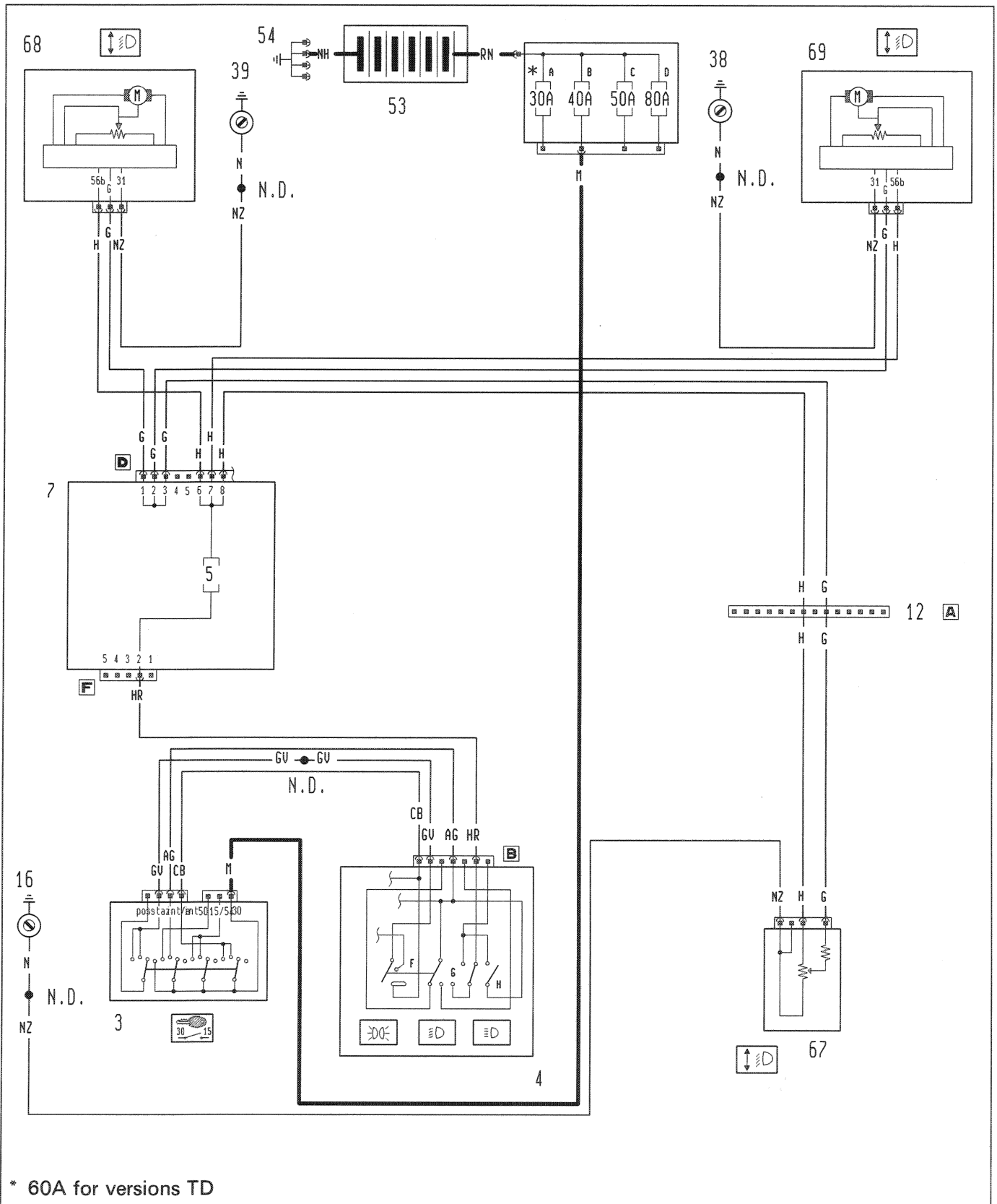
Electric door lock - Door open warning light - (see key following diagrams)



P3M17YL01

Version: S - SX - HSD - 6 Speed - Selecta - Sporting

Headlamp alignment device - (see key following diagrams)



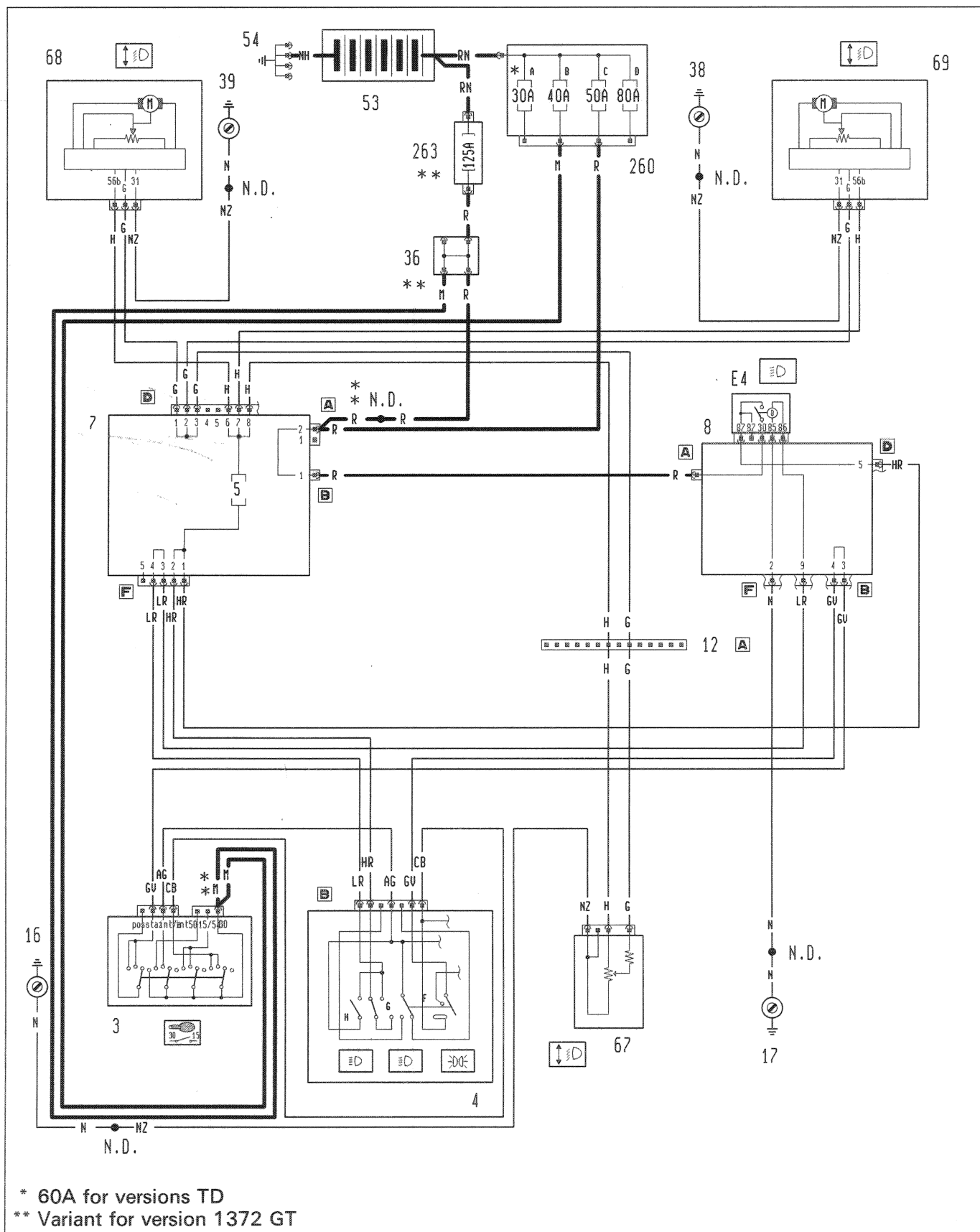
* 60A for versions TD

P3M18YL01

55.

Version: ELX - GT

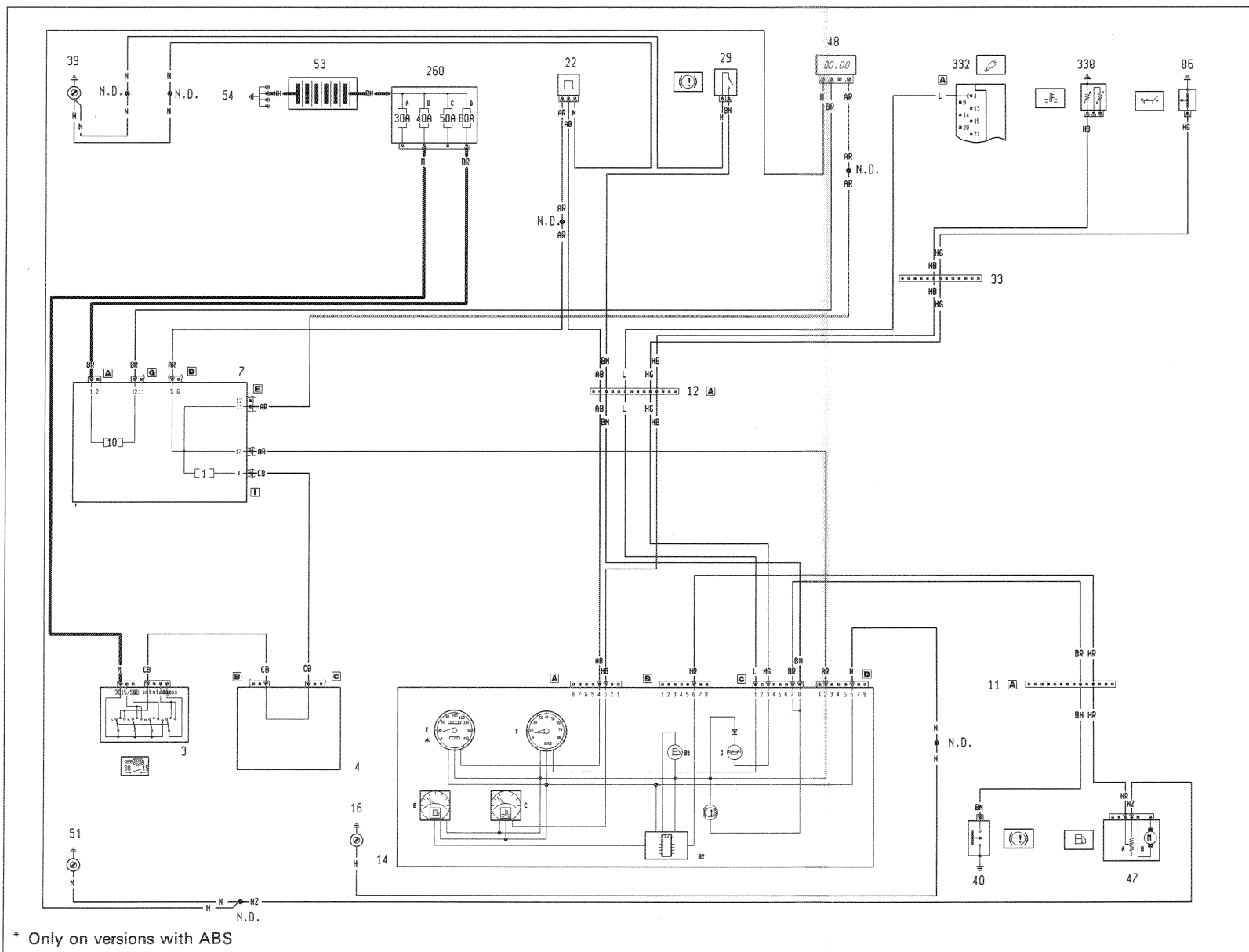
Headlamp alignment device - (see key following diagrams)



P3M19YL01

Version: SX - HSD

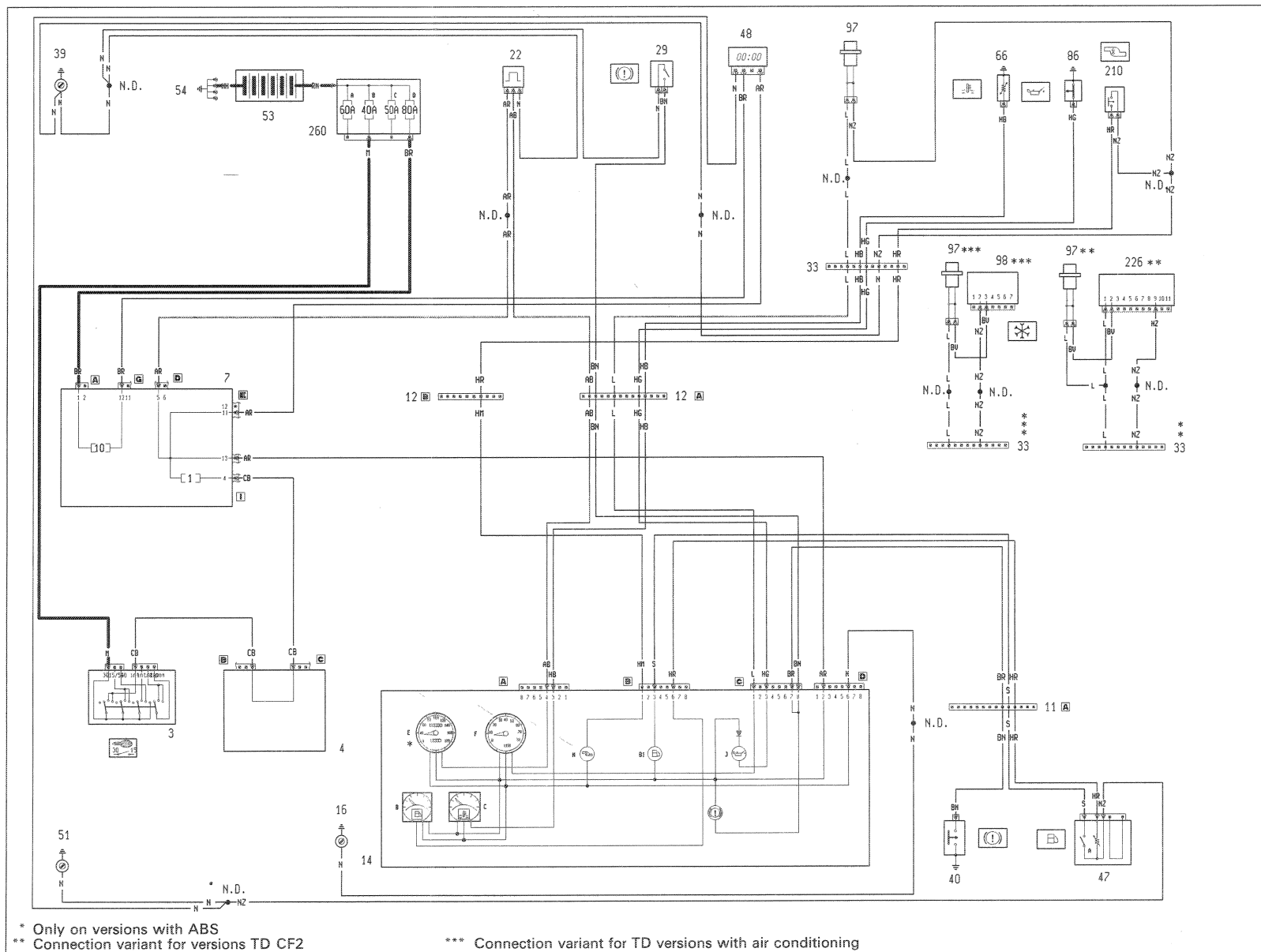
Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge
- Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Digital clock - Rev counter -
Speedometer - (see key following diagrams)



55.

Version: SX

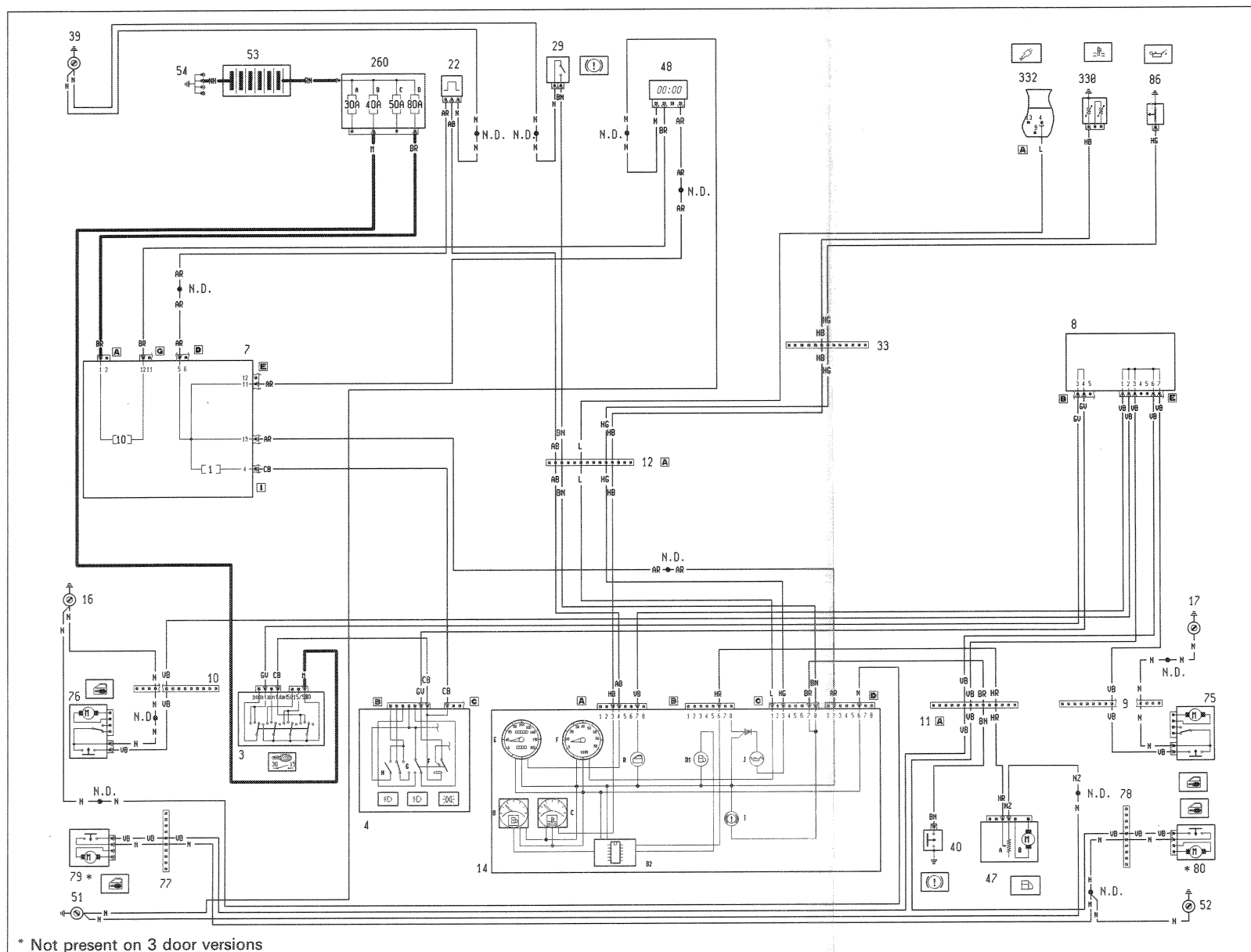
Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge - Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Water in fuel filter warning light - Digital clock - Rev counter - Speedometer - Engine oil pressure gauge - (see key following diagrams)



P3M21YL01

Version: ELX

Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge - Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Door open warning light - Digital clock - Rev counter - Speedometer - Engine oil pressure gauge - (see key following diagrams)



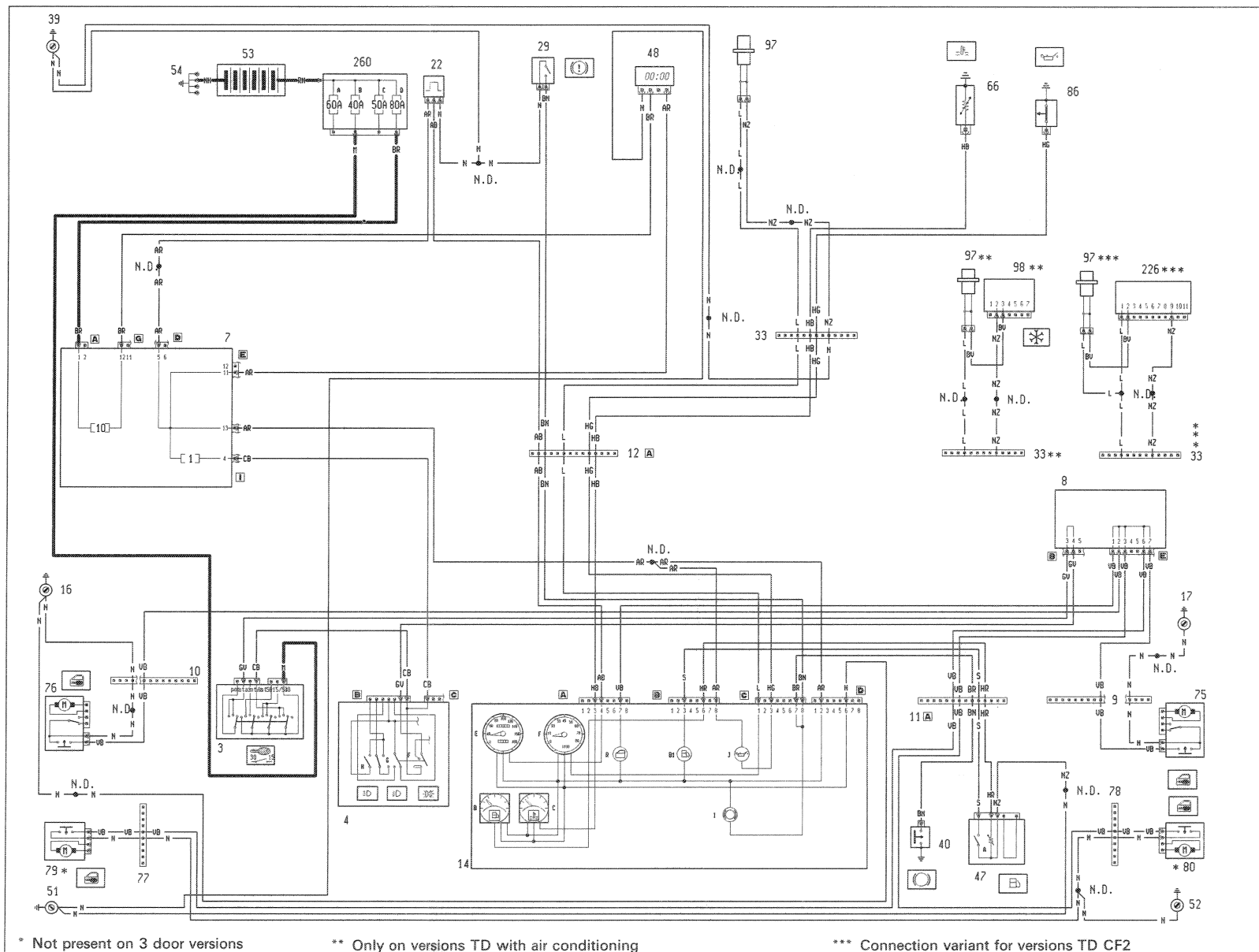
* Not present on 3 door versions

P3M22YL01

55.

Version: ELX

Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge - Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Water in fuel filter warning light - Door open warning light - Digital clock - Rev counter - Speedometer - Engine oil pressure gauge - (see key following diagrams)



* Not present on 3 door versions

** Only on versions TD with air conditioning

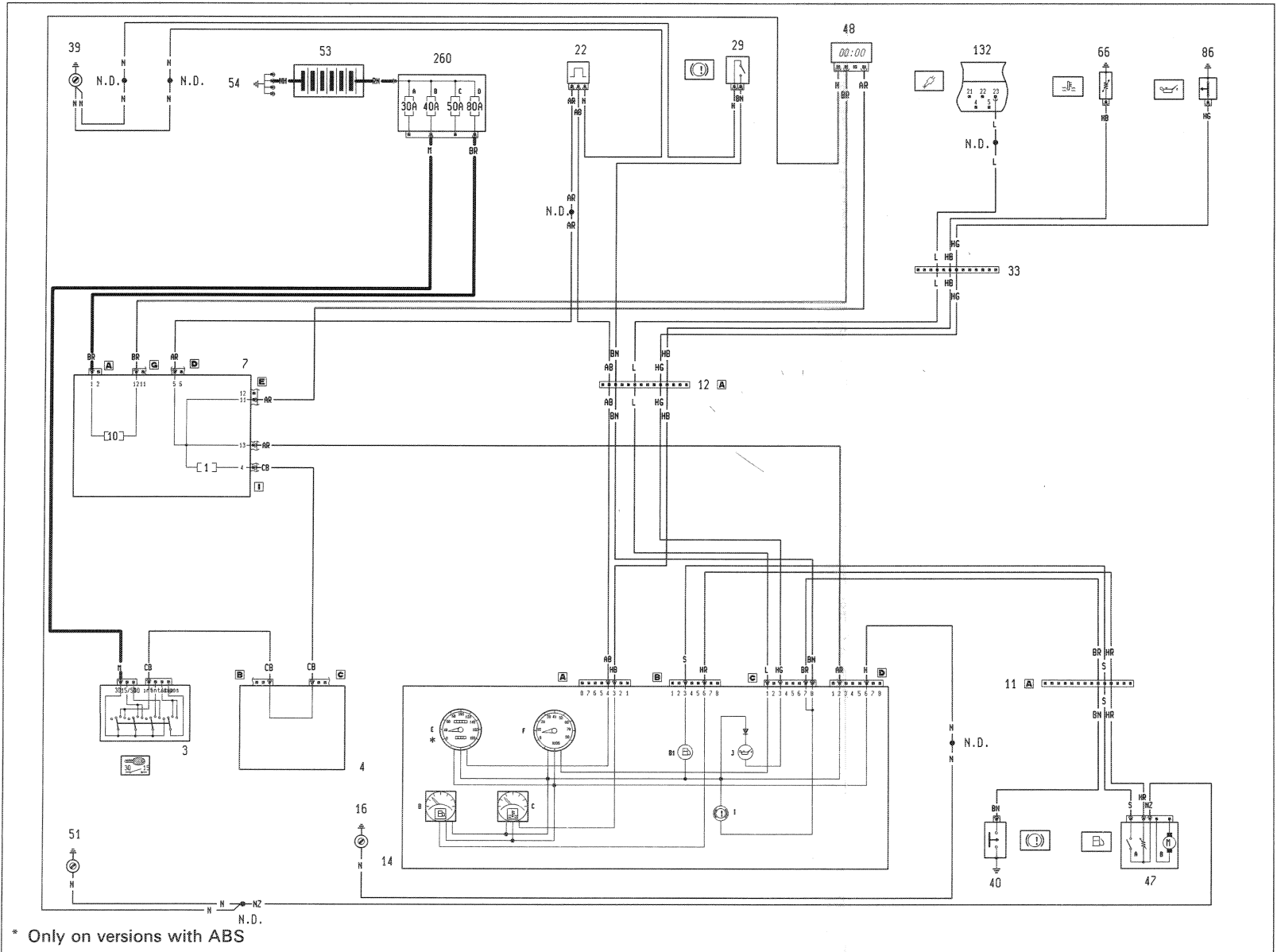
*** Connection variant for versions TD CF2

P3M23YL01

Petrol version

Version: SX - HSD - 6 Speed - Selecta - Sporting

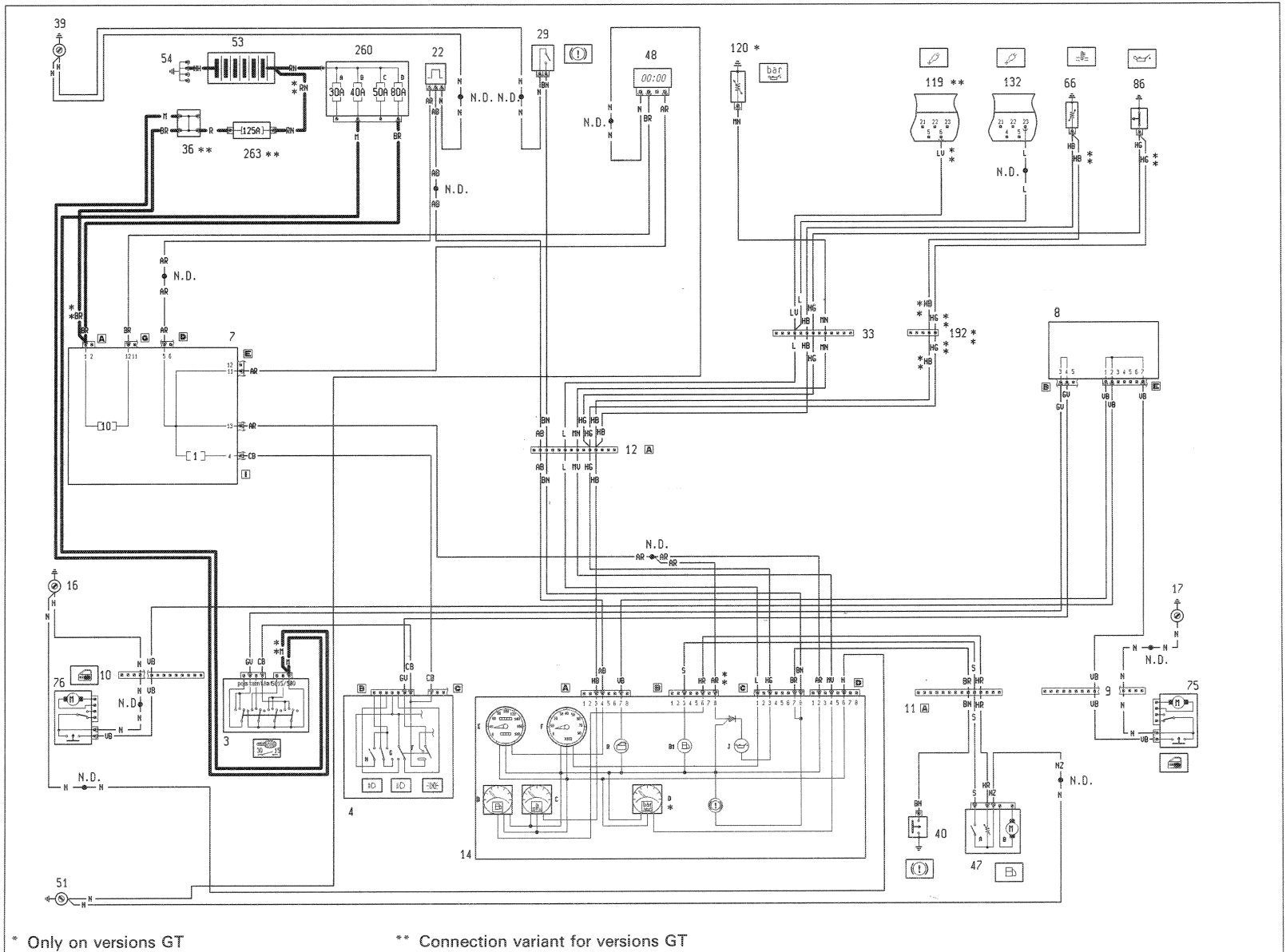
Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge - Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Digital clock - Rev counter - Speedometer - (see key following diagrams)



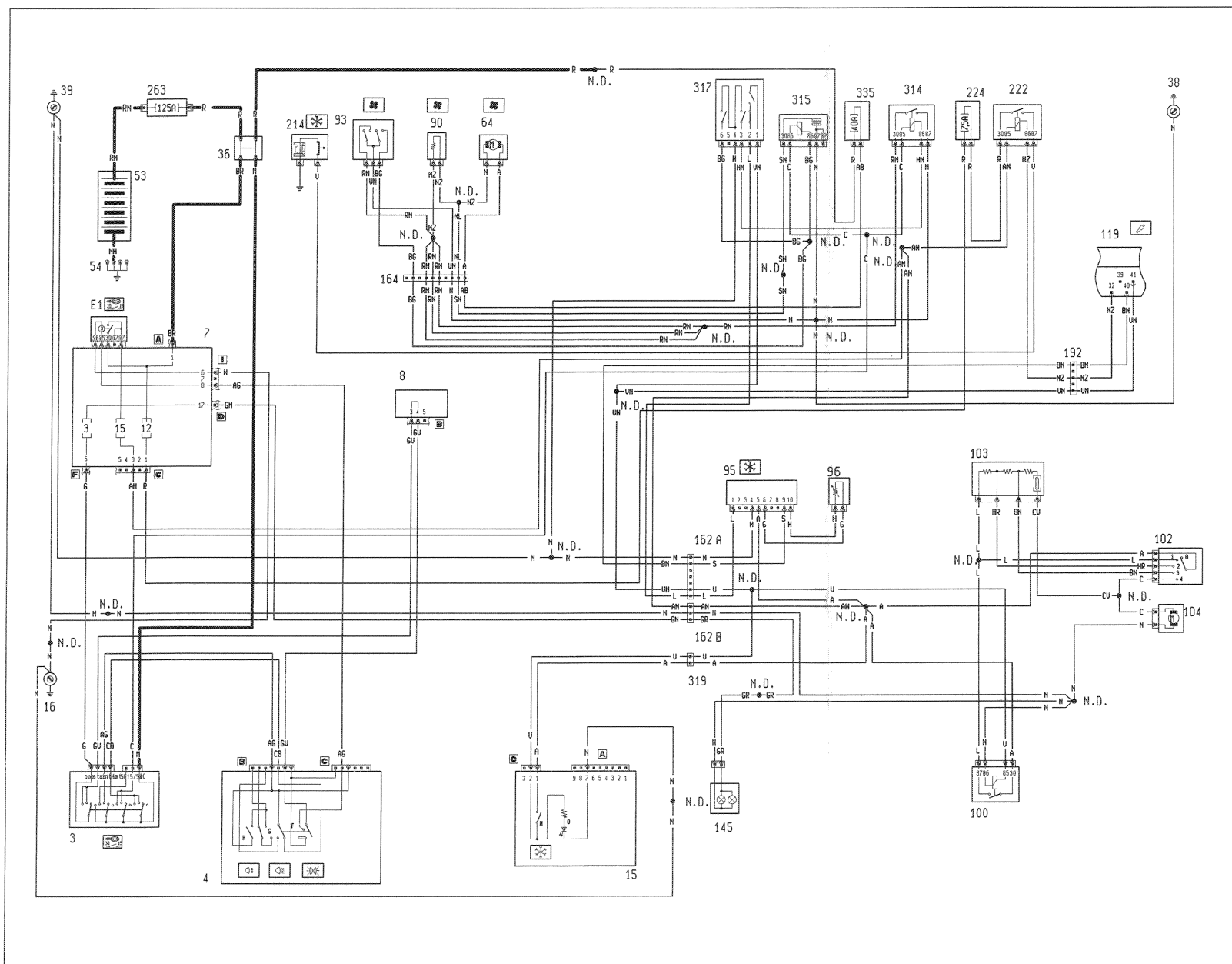
55.

Version: ELX - GT

Fuel level gauge and reserve warning light - Low brake fluid level and handbrake warning lamp - Water temperature gauge - Excessive brake pad wear warning light - Insufficient engine oil pressure warning light - Door open warning light - Digital clock - Rev counter - Speedometer - Engine oil pressure gauge - (see key following diagrams)



Air conditioner - (see key following diagrams)



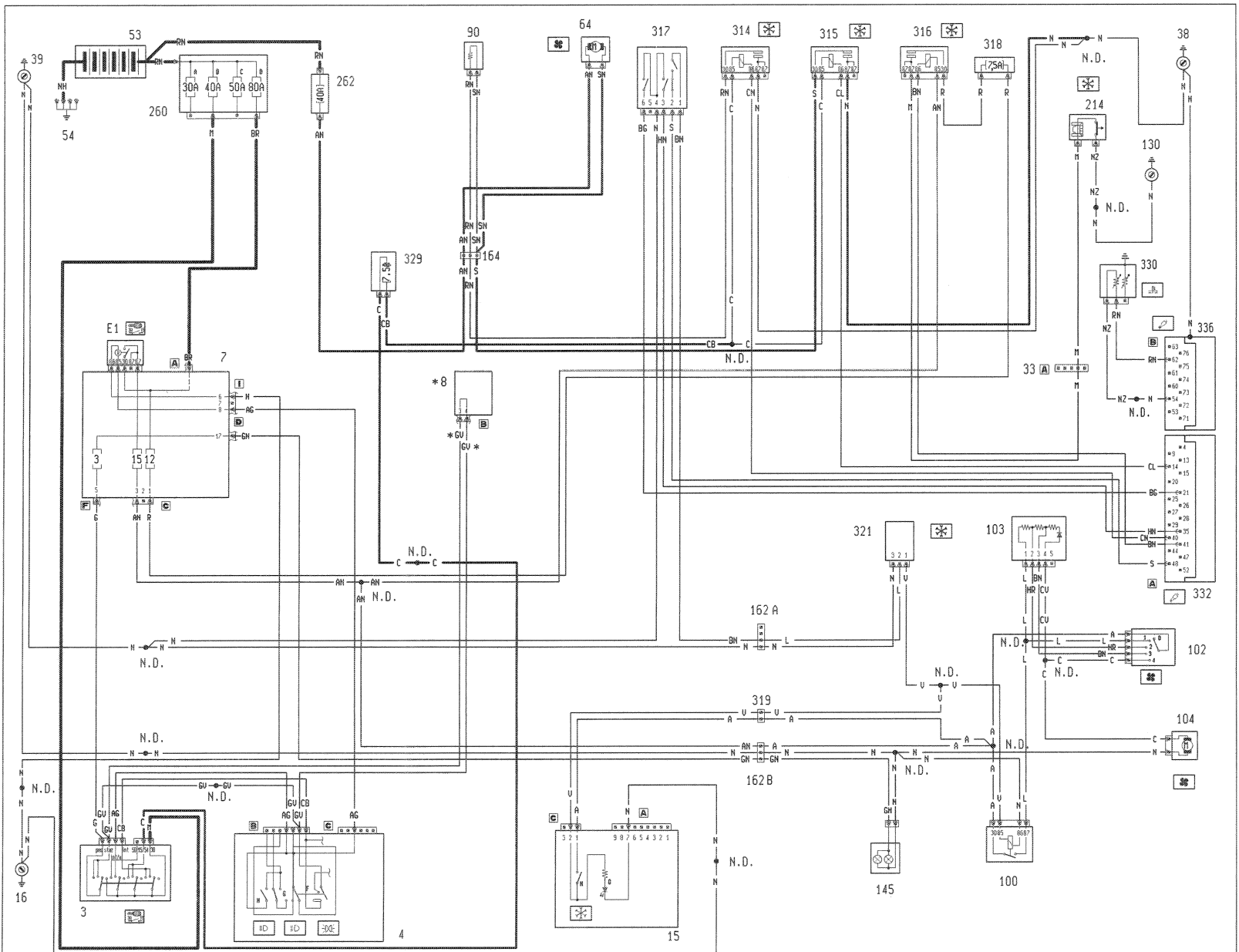
Electrical equipment

Wiring diagrams

55.

Punto 1242 MPI
1998 range

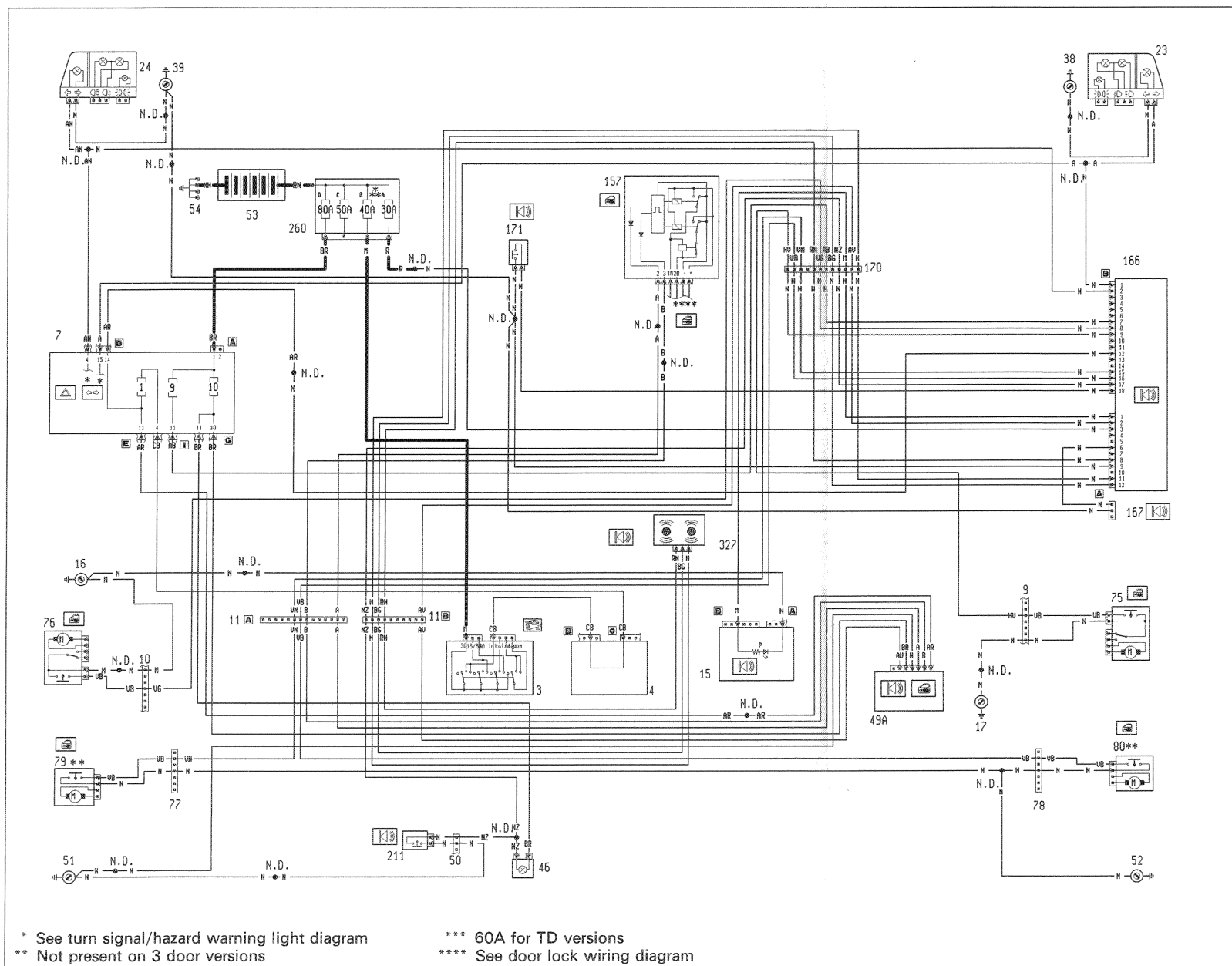
Air conditioner - (See key following diagrams)



P3M27YL01

Version: S - SX - HSD - 6 Speed - Selecta - Sporting

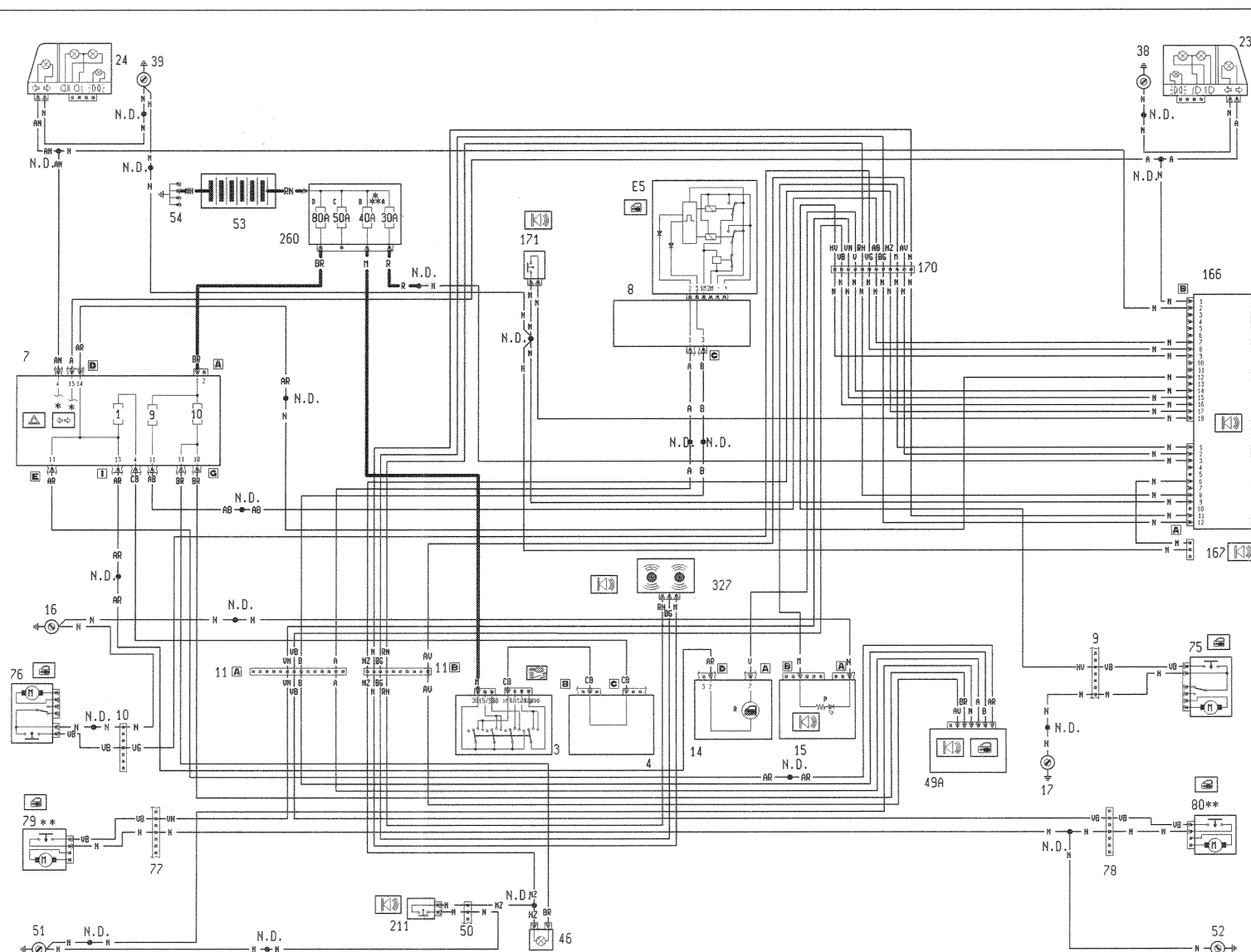
Alarm device and activation warning light - (see key following diagrams)



55.

Version: ELX

Alarm device and activation warning light - (see key following diagrams)

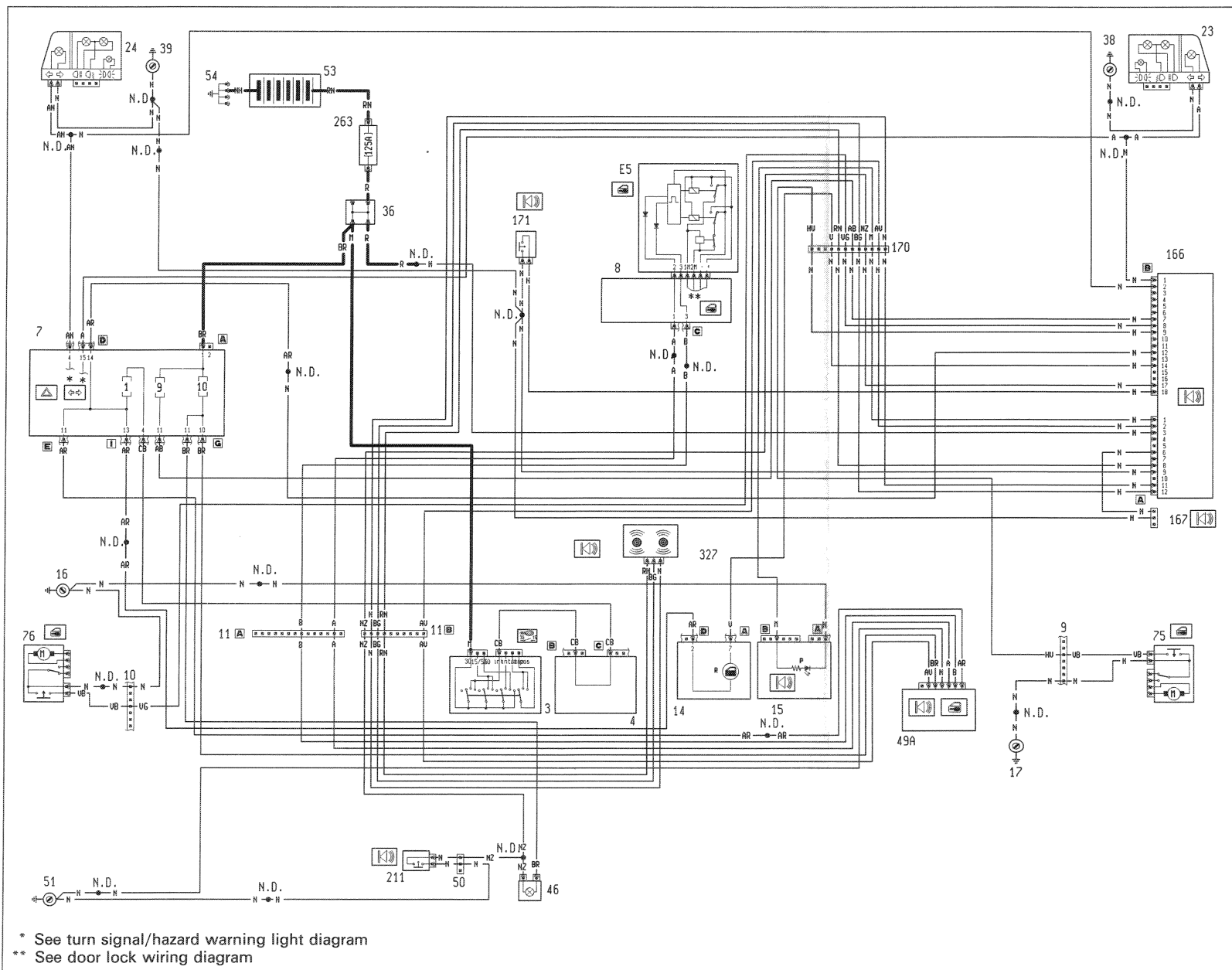


* See turn signal/hazard warning light diagram

** Not present on 3 door versions

*** 60A for TD versions

Alarm device and activation warning light - (see key following diagrams)



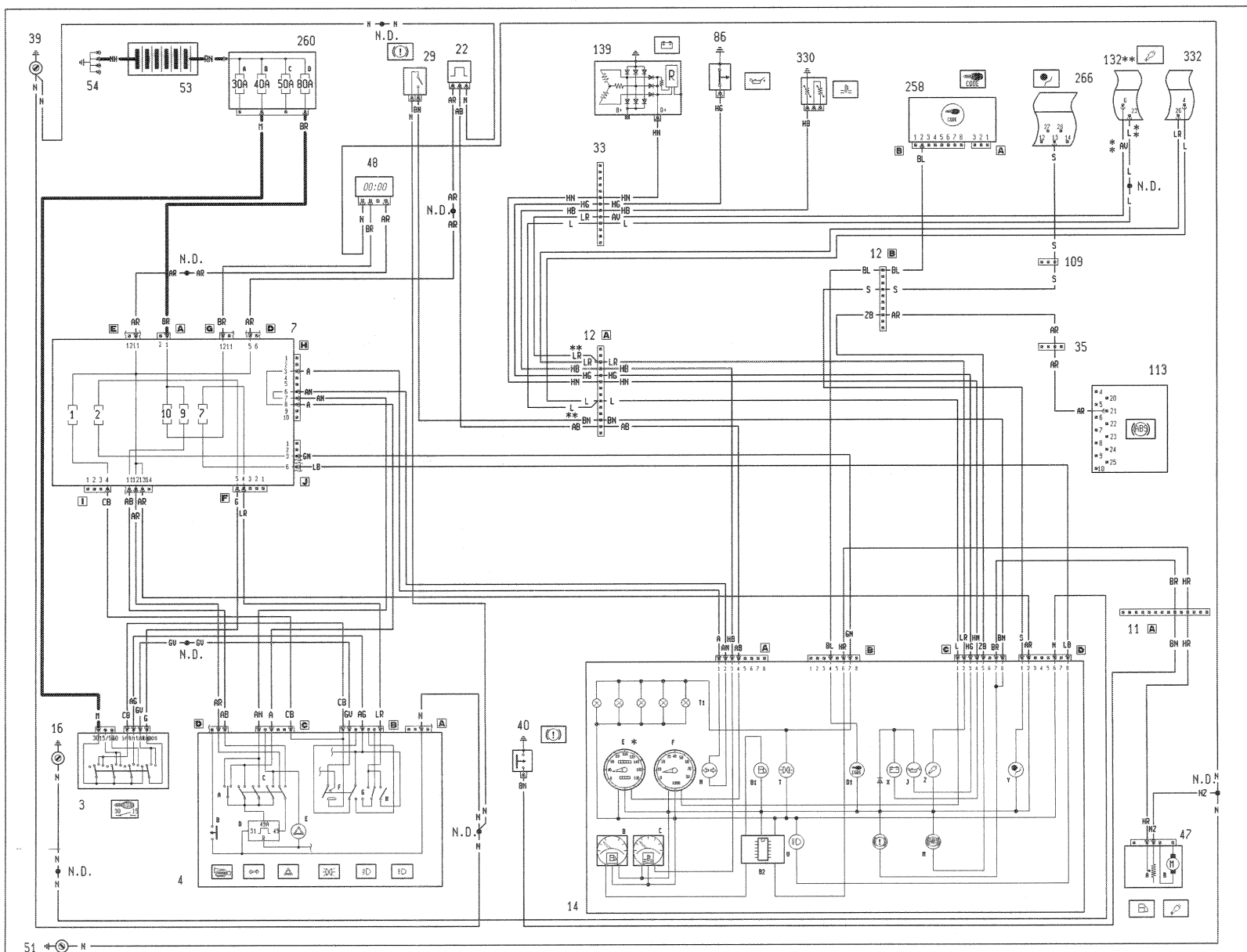
Electrical equipment

Wiring diagrams

Punto 1242 MPI 1242 MPI 16V
1998 range

55.

Version: SX - HSD - Sporting
Instrument panel connections - (see key following diagrams)



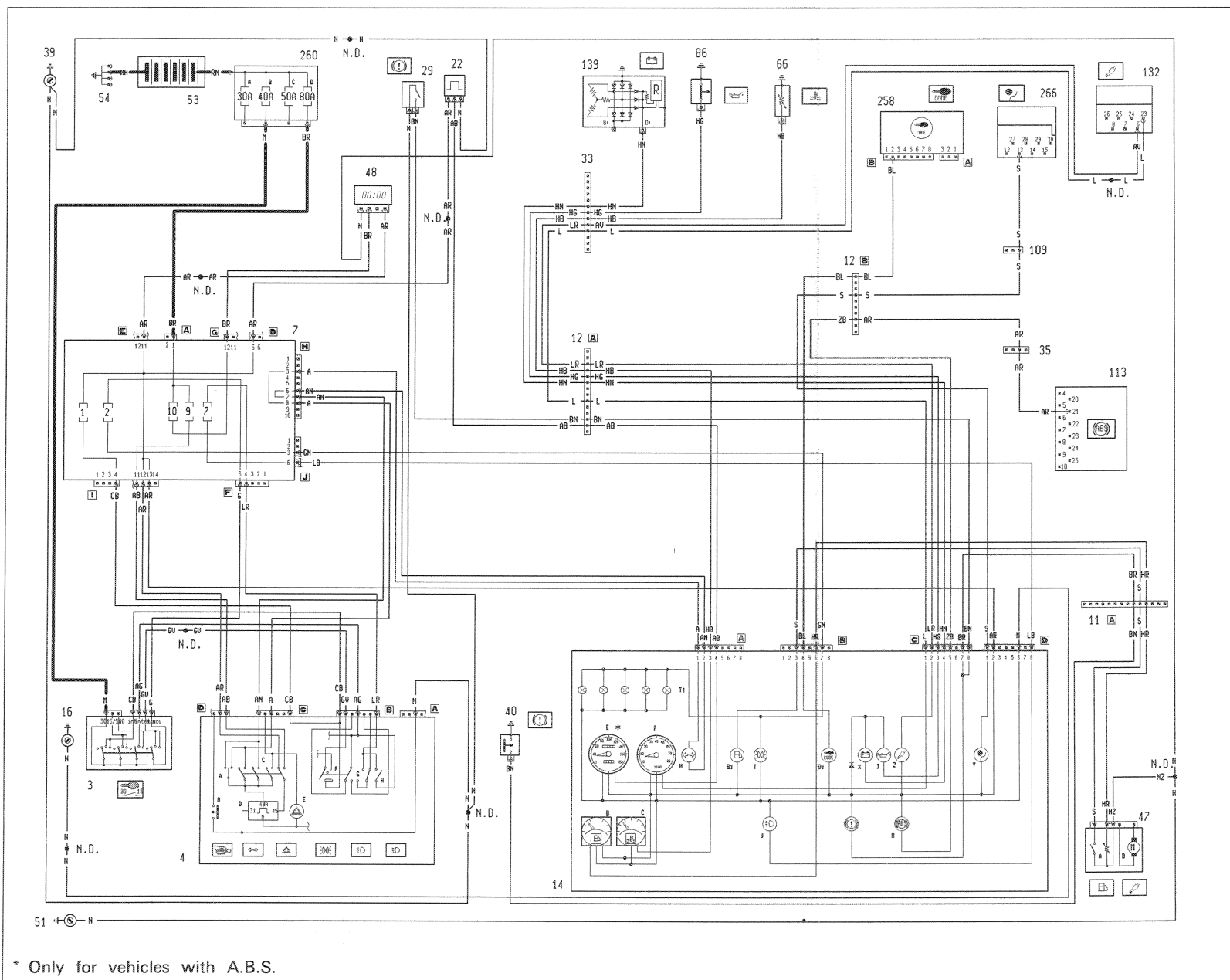
* Only for vehicles with A.B.S.

** Connection variant for 16v versions (Sporting)

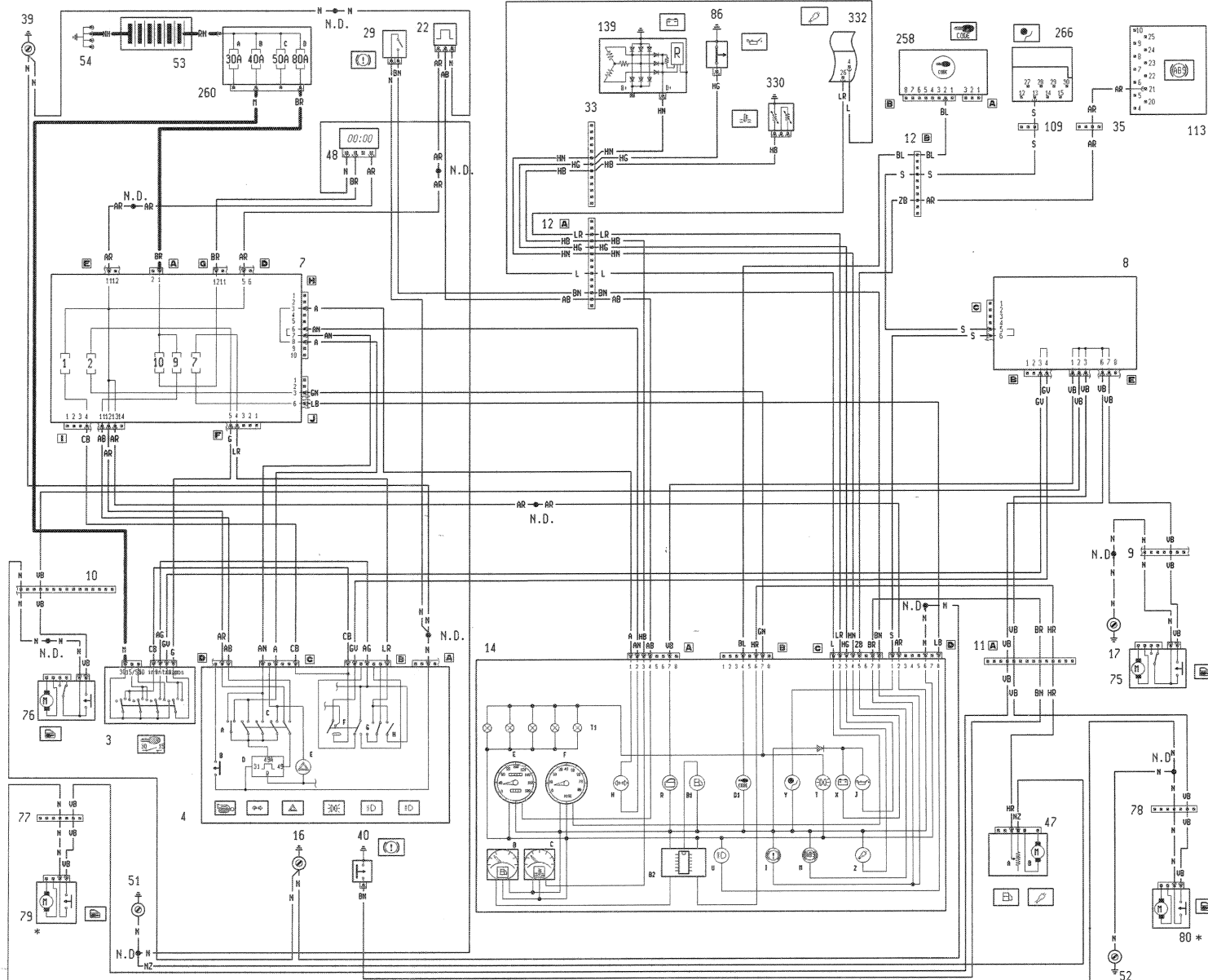
P3M31YL01

Version: SX - 6 Speed - Selecta

Instrument panel connections - (see key following diagrams)



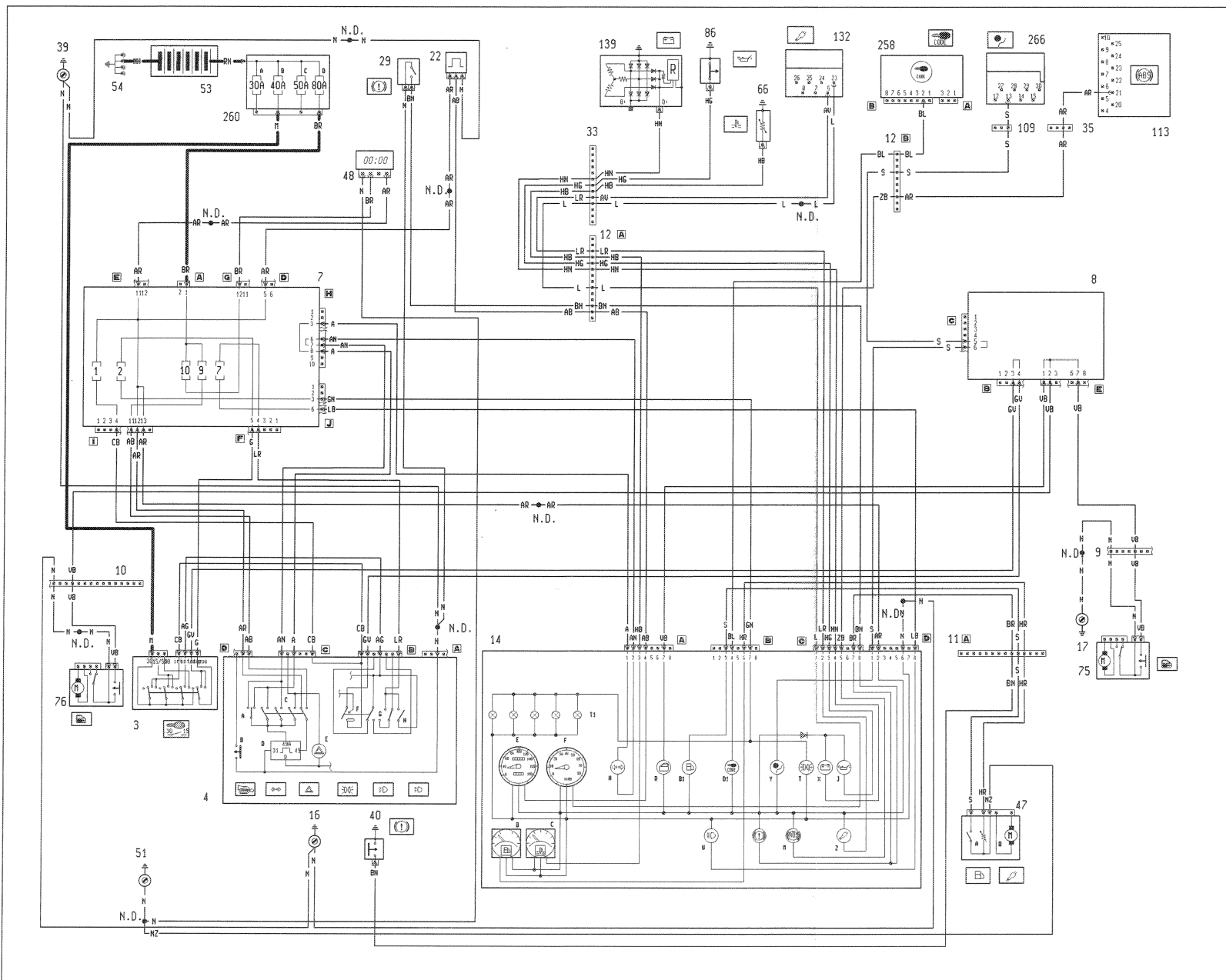
Version: ELX
Instrument panel connections - (see key following diagrams)



* Not present on 3 door versions

Version: ELX

Instrument panel connections - (see key following diagrams)



Electrical equipment

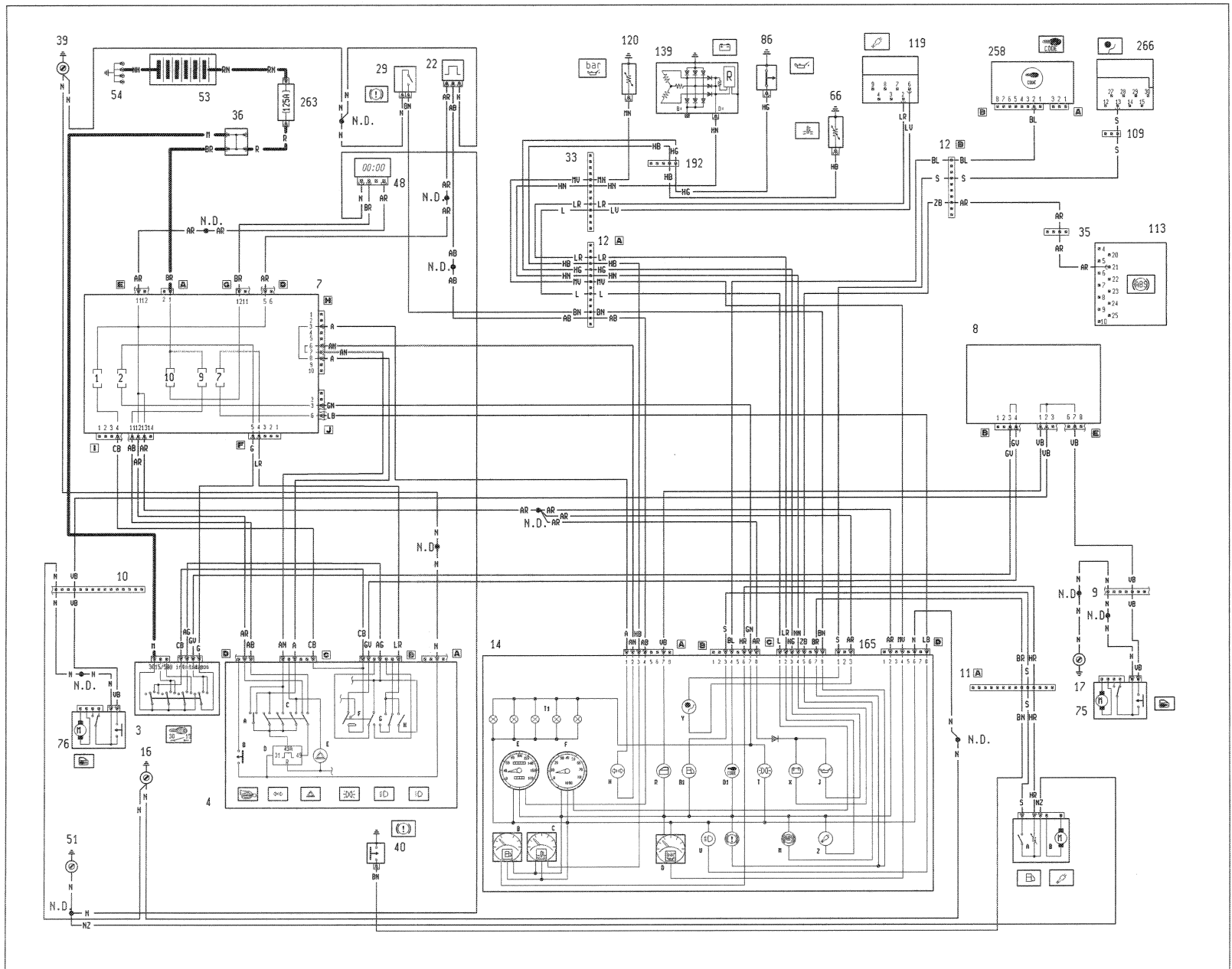
Wiring diagrams

55.

Punto turbo
1998 range

Version: GT

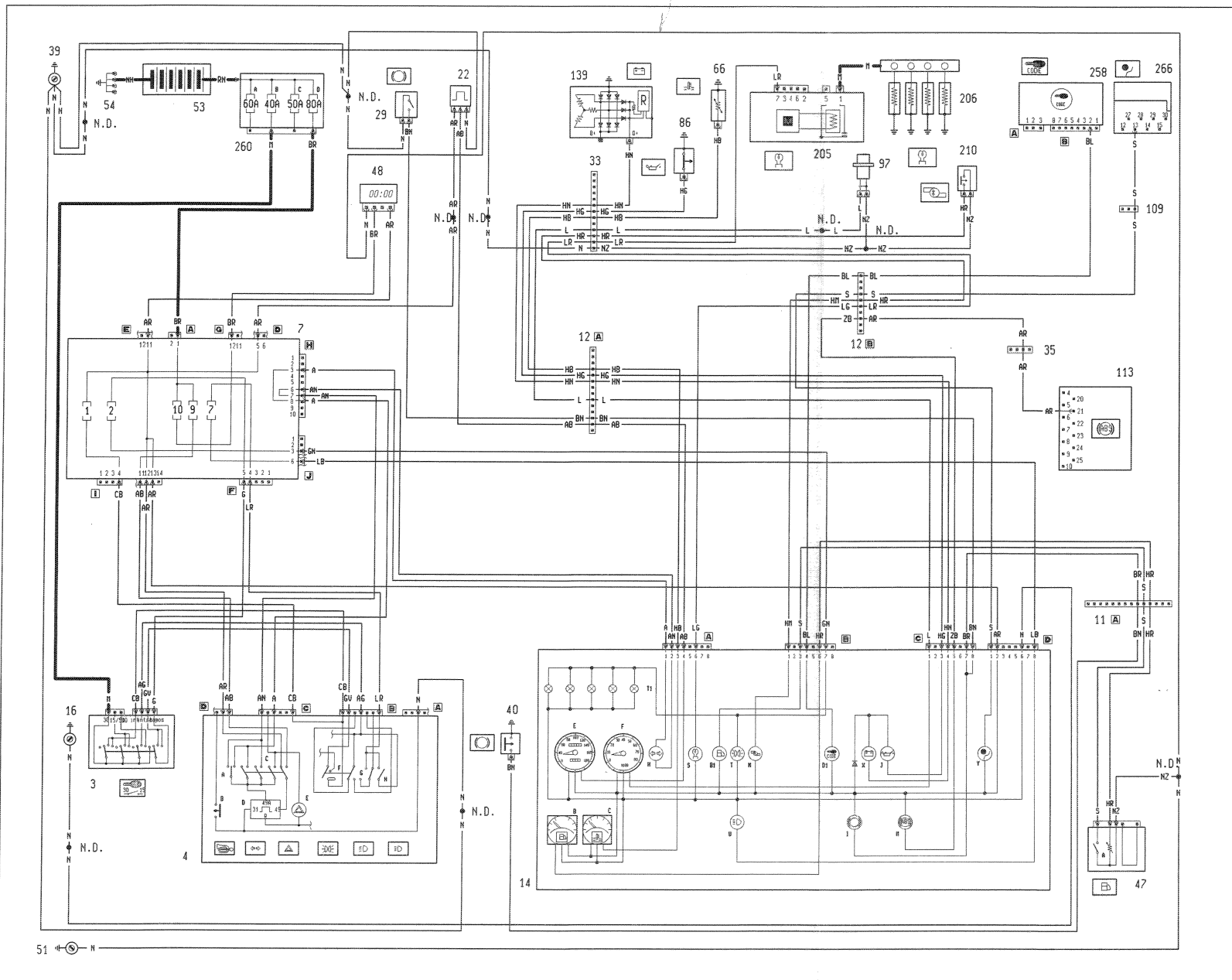
Instrument panel connections - (see key following diagrams)



P3M35YL01

Version: SX

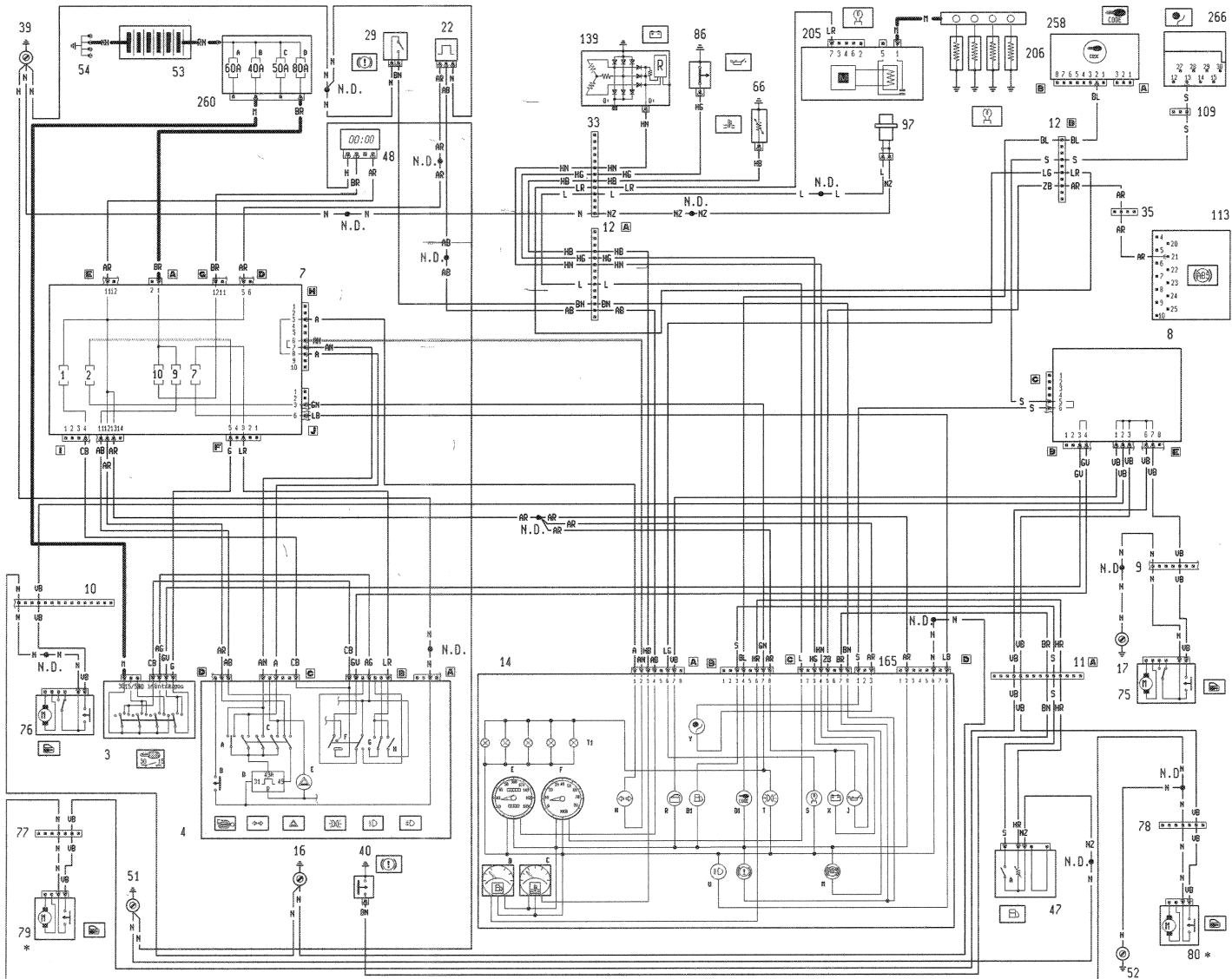
Instrument panel connections - (see key following diagrams)



55.

Version: ELX

Instrument panel connections - (see key following diagrams)



* Not present on 3 door versions

P3M37Y101

Key to components

- 1 Front right-hand control button for courtesy light and door open w/l
- 2 Front right-hand control button for courtesy light and door open w/l
- 3 Ignition switch
- 4 Stalk unit
 - A Turn signal stalk
 - B Horn button
 - C Hazard warning light switch
 - D Turn/hazard warning light timer
 - E Hazard warning lights warning light
 - F Side light/dipped headlamp stalk
 - G Dipped headlamp/main beam control stalk
 - H Main beam button
 - I Rear window wiper switch
 - L Front/rear screen washer and headlamp washer control button
 - M Windscreen wiper control stalk
 - N Volume increase button (on steering wheel)
 - O Volume decrease button (on steering wheel)
 - P Programme selection control button (on steering wheel)
 - Q Band selection control button (on steering wheel)
- 5 Right front side turn signal
- 6 Left front side turn signal
- 7 Junction unit:
 - E1 Switch discharge connector
 - E2 Horn relay
 - E3 Heated back window relay
- 8 Optional control unit:
 - E1 Front electric window relay
 - E2 Fog lamp relay
 - E3 Rear fog lamp control relay with fog lamp activated
 - E4 Headlamp dipped beam/correction relay
 - E5 Central locking ECU
 - E6 Sun-roof/rear window power relay
- 9 Connection between facia wiring and passenger side front door
- 10 Connection between facia wiring and driver's side front door
- 11 Connection between door facia wiring and rear wiring
- 12 Connection between facia wires and front wires
- 13 Cigar lighter
- 14 Instrument panel:
 - A Check-panel module
 - A1 Brake light failure warning light
 - B Fuel level gauge
 - B1 Fuel reserve warning light
 - C Water temperature gauge
 - C1 Maximum engine coolant temperature warning light
 - D Engine oil pressure gauge
 - D1 Fiat-CODE failure warning light
 - E Speedometer
 - F Rev counter
 - G Clock
 - H Direction indicators warning light
 - I Handbrake warning light
 - J Insufficient engine oil pressure warning light
 - L Insufficient brake fluid level warning light
 - M ABS failure warning light
 - N Maximum turbocharging pressure warning light
 - O brake lining wear warning light
 - Q Water in fuel filter warning light
 - R Door open warning light
 - R1 Seat belt undone warning light
 - S Heater plugs warning light
 - T Side lights warning light
 - T1 Symbol lighting bulbs
 - U Main beam headlamps warning light
 - V Automatic transmission warning light
 - X Insufficient generator charge warning light
 - Y EURO BAG circuit failure warning light
 - Y1 Maximum catalytic converter temperature warning light (Japan)
 - Z Injection system failure warning light
- 15 Switch control assembly:
 - A Heated rear window switch
 - B Heated rearscreen on warning light
 - C Switch symbol lighting
 - D Rear fog lamps warning light
 - E Rear fog lamp switch
 - F Fog lights warning light
 - G Fog lamp switch

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- | | |
|--|---|
| 15A Switch panel:
A Alarm activation fault warning led | 50 Rear wiring connection |
| 16 Left hand facia earth | 51 Left rear earth |
| 17 Right hand facia earth | 52 Right rear earth |
| 18 Windscreen wiper motor with intermittent
device incorporated | 53 Battery |
| 19 Screen/rear window washer pump | 54 Battery earth |
| 20 Brake light switch | 55 Heated rear windscreen |
| 21 Reversing light switch | 56 Rear window wiper motor |
| 22 Pulse generator for speedometer signal | 57 Car radio |
| 23 Right front light cluster | 58 Speaker on right hand front door |
| 24 Left front light cluster | 59 Speaker on left hand front door |
| 25 Right-hand fog lamp | 60 Right hand rear speaker |
| 26 Left-hand fog lamp | 61 Left hand rear speaker |
| 27 Right horn | 62 Left front loudspeaker |
| 28 Left horn | 63 Right front speaker |
| 29 Low brake fluid level sensor | 64 Engine cooling fan |
| 30 Left front brake lining wear sensor | 65 Engine cooling fan thermal switch |
| 30A Left front brake lining wear lead connec-
tion | 66 Engine coolant temperature sensor |
| 31 10A fuse for ABS device | 67 Headlamp alignment control unit |
| 32 ABS wiring connection | 68 Left-hand headlamp alignment correction
motor |
| 33 Front wiring connection | 69 Right-hand headlamp alignment correc-
tion motor |
| 33A Front wiring connection for automatic
transmission | 70 Driver's side front window motor |
| 34 Front wiring connection | 71 Passenger side front window motor |
| 35 Connection between front wiring and
ABS wiring | 72 Left-hand front window control driver's
side button |
| 36 Connector block | 73 Right-hand front window control driver's
side button |
| 37 Heater control unit:
A Car interior heater fan | 74 Right-hand front window control passen-
ger side button |
| B Interior fan speed control switch | 75 Right-hand front door lock motor and
door open indicator |
| C Heater controls light bulbs | 76 Left-hand front door lock motor and door
open indicator |
| 38 Right front earth | 77 Connection between rear wiring and rear
left-hand door wiring |
| 39 Left front earth | 78 Right-hand rear wiring connection |
| 40 Hand brake warning light switch | 79 Left driver's side rear door lock gear mo-
tor and door open warning light |
| 41 Right hand number plate light | 80 Right driver's side rear door lock gear mo-
tor and door open warning light |
| 42 Left hand number plate light | 81 Sun-roof end stop switch |
| 43 Right tail-light cluster | 82 Sun-roof motor |
| 44 Left tail-light cluster | 83 Electric sun-roof ECU |
| 45 Passenger compartment courtesy light | 84 Sun-roof switch |
| 46 Luggage compartment light bulb | 85 Water in fuel filter sensor |
| 47A Fuel level gauge | |
| 47B Electric fuel pump | |
| 48 Digital clock | |
| 49 Door lock remote control receiver | |
| 49A Alarm device remote control receiver | |
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- 86 Low oil pressure warning light switch
- 89 Engine cooling fan
- 90 Engine cooling fan speed regulation resistor
- 91 Relay and fuse carrier block for air conditioner:
 - A Engine cooling fan 2nd speed timer
 - B Engine cooling fan 1st speed timer
 - C Engine cooling fan 2nd speed relay
 - D Auxiliary relay for activation of compressor coupling
 - E Compressor coupling activation relay
 - F 3A fuse for fan 2nd speed circuit
 - G 7.5A fuse for compressor electromagnetic coupling
- 92 Three-level pressure-switch for air conditioner
- 93 Double contact temperature switch on radiator
- 94 Compressor for air conditioner
- 95 Air conditioner ECU (Nippondenso)
- 96 Evaporator area temperature sensor
- 97 Rpm sensor
- 98 Compressor deactivation ECU (Bitron)
- 99 Air conditioner activation switch
- 100 Air conditioner fan control relay
- 101 Fan 1st speed activation relay
- 102 Air conditioner fan control switch
- 103 Additional resistor
- 104 Air conditioner assembly fan
- 106 Headlamp washer pump
- 107 Timer for headlamp washers
- 108 EURO-BAG charge (driver's side)
- 109 EURO BAG lead connection
- 111 EURO-BAG charge (passenger side)
- 112 Tester socket for EURO-BAG
- 113 ABS electronic control unit (A.B.S.)
- 114 Diagnostic socket for ABS device
- 115 Sensor on left front wheel (A.B.S.)
- 115A ABS sensor lead connection on left front wheel
- 116 Sensor on right front wheel (A.B.S.)
- 116A ABS sensor lead connection right front wheel
- 117 Sensor on left rear wheel (A.B.S.)
- 117A ABS sensor lead connection left rear wheel
- 118 Sensor on right rear wheel (A.B.S.)
- 118A ABS sensor lead connection right rear wheel
- 119 Fuel injection control unit BOSCH (1372 Turbo i.e.)
- 120 Engine oil pressure gauge sensor
- 121 Electric sun-roof wiring connection
- 122 5A injection system fuse (10A for the i.e. Turbo version, 15A for version 1581)
- 124 Multiple relay
- 125 Hot Lambda probe
- 126 Potentiometer on throttle valve
- 127 Water temperature sensor
- 128 Air temperature sensor
- 129 Absolute pressure sensor
- 130 Earth on engine
- 131 Earth on control unit
- 132 IAW electronic ignition and injection control unit
- 133 Ignition coil unit
- 134 Spark plugs
- 135 Step actuator
- 136 Canister solenoid
- 137 Rpm and TDC sensor.
- 138 Tester socket for injection system
- 139 Alternator
- 140 Starter motor
- 141 Injector
- 142 Passenger compartment air recirculation control switch
- 143 Interior air recirculation actuator
- 144 Interior air recirculation control
- 145 Air conditioner / heater control light bulbs
- 146 Left-hand electrically-adjusted and heated door mirror
- 147 Right-hand electrically adjusted and heater door mirror
- 148 Electrically-adjusted door mirror control button
- 150 Headlamp washer fuse (20A)

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- | | |
|---|--|
| 152 Fog lamp relay | 192 Front wiring connection |
| 153 Rear fog lamp control relay with fog lamp activated | 193 Injection system control relay |
| 154 Fog lamp fuse (20A) | 194 Lambda probe, fuel pump control relay |
| 155 Front window ECU | 195 10A fuse for fuel pump |
| 156 Front window fuse (30A) | 196 10A fuse for lambda probe |
| 157 Central locking ECU | 197 Timing sensor |
| 158 Central locking fuse (20A) | 198 Knock sensor |
| 159 Fuel pump deactivation inertia switch | 199 Altitude corrector |
| 160 Heated driver seat control unit | 200 Signal earth |
| 161 Driver seat heat pad | 201 Power earth |
| 162A Air conditioner wiring connection | 202 Air flow meter (debimeter) |
| 162B Air conditioner wiring connection | 203 Injector cooling fan |
| 164 Front wiring connection | 204 Injector cooling fuse (20A) |
| 164A Front wiring connection | 205 Glow plug preheating ECU |
| 165 EURO-BAG wiring connection | 206 Glow plugs |
| 166 Alarm electronic control unit | 207 Water temperature sensor for K.S.B. |
| 167 Tester socket for alarm | 208 K.S.B. electromagnet. |
| 170 Wiring connection for alarm | 210 Maximum turbo pressure indicator switch |
| 171 Alarm activation button on bonnet lid | 211 Luggage compartment light switch and alarm activation |
| 172 Magnetic sensor on clutch | 213 Full-load switch for air conditioner |
| 174 15A automatic transmission fuse | 214 Thermal switch with compressor for air conditioner |
| 175 Automatic transmission relay | 215 Heated fuel filter control relay |
| 176 Gear selector and speed engaged indicator lighted display | 216 Heated fuel filter fuse (20A) |
| 177 Vehicle speed sensor | 217 Heated fuel filter (P.T.C.) |
| 178 Safety ECU for automatic transmission | 218 Diesel fuel system control relay |
| 179 Shift-lock solenoid | 219 Engine cooling fan 2nd speed timer |
| 180 Ignition switch solenoids | 220 Engine cooling fan 2nd speed relay |
| 181 Automatic transmission ECU | 221 Engine cooling fan 1st speed activation relay |
| 182 Automatic transmission tester socket | 222 Compressor coupling activation relay |
| 183 Switch on accelerator for automatic transmission | 224 7.5A fuse for compressor electromagnetic coupling |
| 185 Wiring connection for multiple bridges | 226 Emission control unit (EGR device.) |
| 186 Multifunction switch on automatic transmission | 227 Potentiometer on injection pump |
| 187 Butterfly valve potentiometer for automatic transmission | 228 Water temperature sensor (EGR device.) |
| 188 Power module | 229 Solenoid for EGR device. |
| 189 Pierburg solenoid (Waste-Gate) | 230 Tester connection for emission control unit (EGR device) |
| 190 Idle adjustment actuator | 231 Injection/ignition control unit (1580) |
| 191 Injector cooling fan switch | |

- 232 3A fuse for injection memory protection
- 235 E.G.R. solenoid.
- 253 Power earth
- 255 Electric stop device for Fiat-CODE
- 256 Tester connection for Fiat-CODE device
- 257 Front lead connection for Fiat-CODE device
- 258 Fiat-CODE control unit
- 259 Aerial for Fiat-CODE
- 260 Maxifuse box:
 - A 30A injection system fuse (60A for Diesel version)
 - B 40A ignition protection fuse
 - C 50A fuse for supplementary device system
 - D 80A fuse for junction unit
- 261 Option maxifuse box:
 - A 30A fuse, supplementary protection for engine cooling system
 - B 60A fuse for A.B.S.
- 262 30A fuse protecting electric cooling fan (40A for Diesel version)
- 263 125A maxifuse for version GT 1372 TB
- 264 Relay for seat heat pad
- 265 15A fuse protecting heated seat system
- 266 EURO-BAG electronic control unit
- 267 EURO-BAG lead connection (driver's side)
- 268 Connection between front lead/engine
- 270 Connection to A.B.S.
- 271 Connection between injection leads and power steering sensor
- 273 Connection between injection leads and oil pressure gauge
- 274 2 diode container
- 276 Compressor control relay for air conditioner
- 277 Air conditioner thermal safety switch
- 278 Earth on body for A.B.S.
- 280 15A fuse for fuel pump, lambda probe and injection system
- 281 Catalytic converter control unit (Japanese version)
- 310 Heated driver's seat control relay
- 311 15A fuse protecting injection system
- 320 2.7 Ohm resistance for passenger side EURO-BAG charge
- 321 Connection to aerial amplifier lead

- 322 Provision for car telephone
- 323 Connection to mobile phone lead
- 324 Aerial amplifier
- 325 Dual function right front speaker for mobile phone
- 326 Dual function right front door speaker for mobile phone
- 328 15A fuse protecting hot Lambda probe
- 329 7.5A fuse protecting injection system
- 330 Coolant temperature sensor for electronic injection system /sending unit for engine coolant temperature gauge
- 331 7.5A fuse protecting Fiat-CODE system
- 332 IAW 49F.D1 ignition/injection control unit
- 333 Seat belt undone indicator switch
- 334 10A fuse protecting seat belt undone warning light circuit
- 336 Earth point on electronic injection control unit container
- N.D. Taped ultrasound welding in wiring bundle

Cable colour codes

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