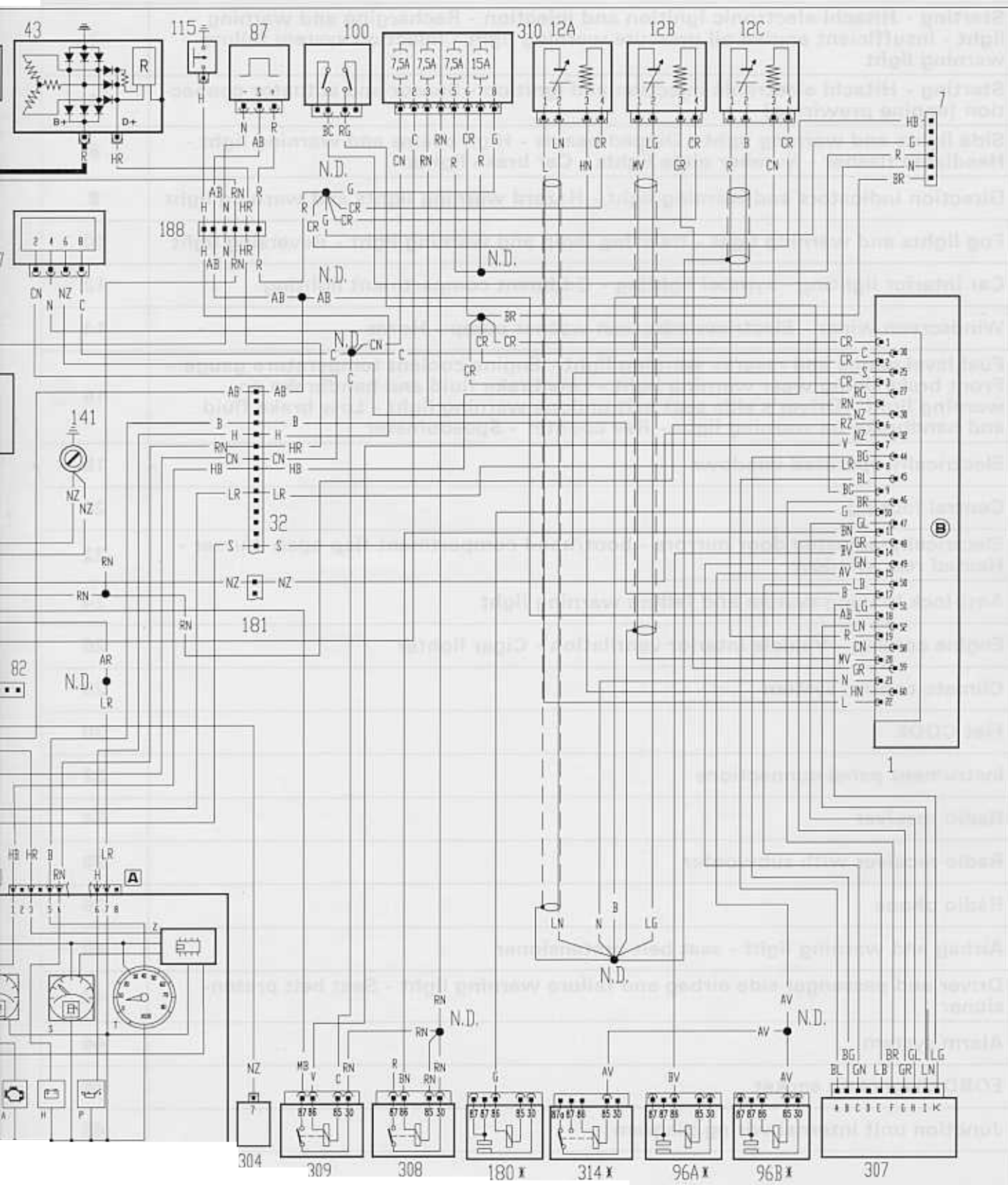


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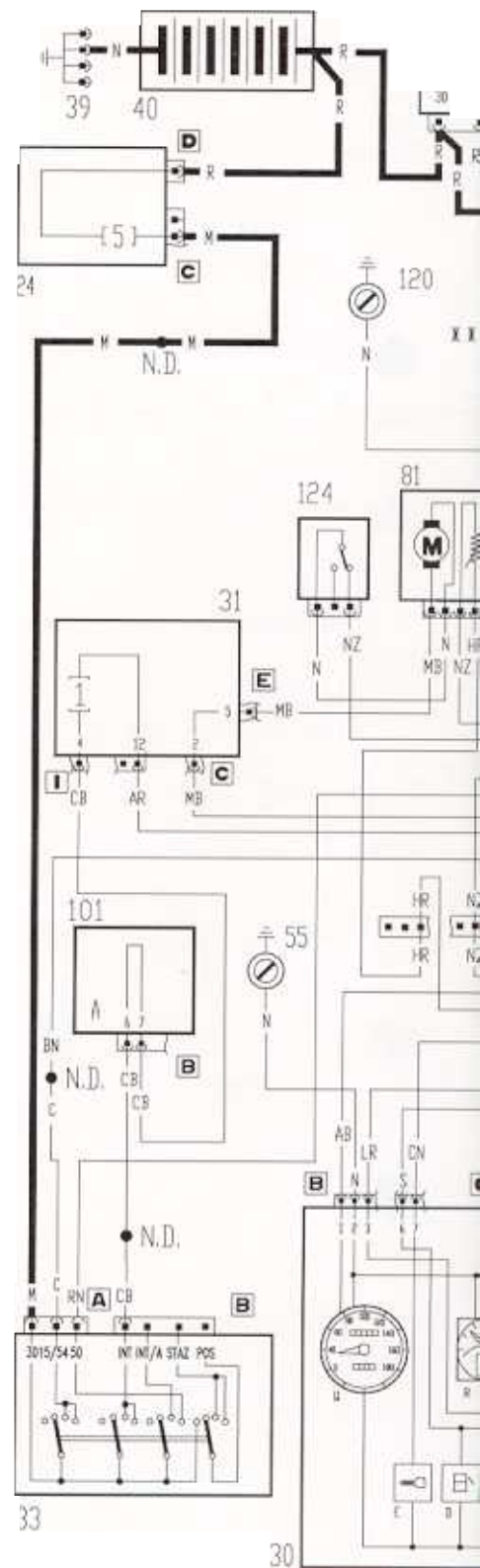
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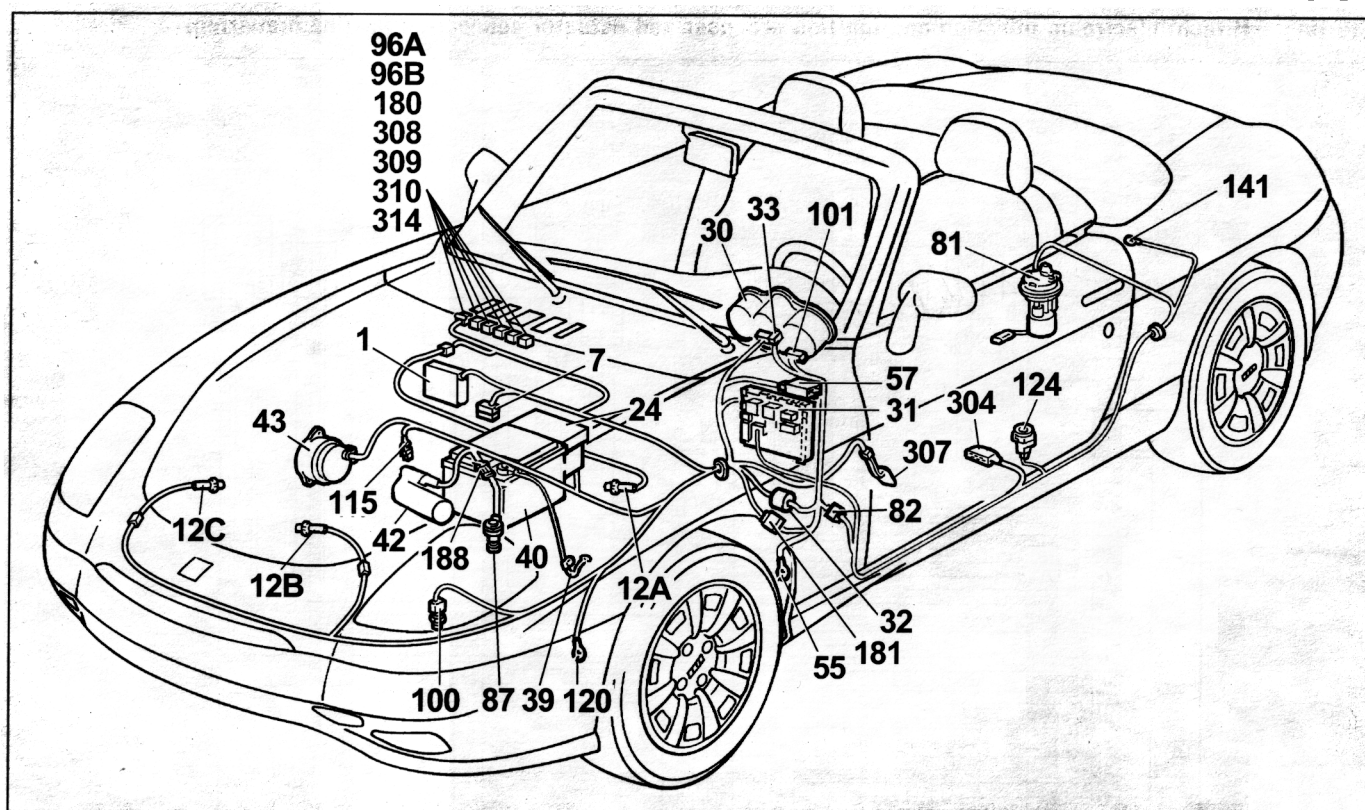
Starting – Hitachi electronic ignition and injection – Recharging and warning light – Insufficient engine oil pressure warning light – Injection system failure warning light



3W002EL01

See air conditioner/cooling wiring diagram
** See Fiat CODE wiring diagram





3W003EL01

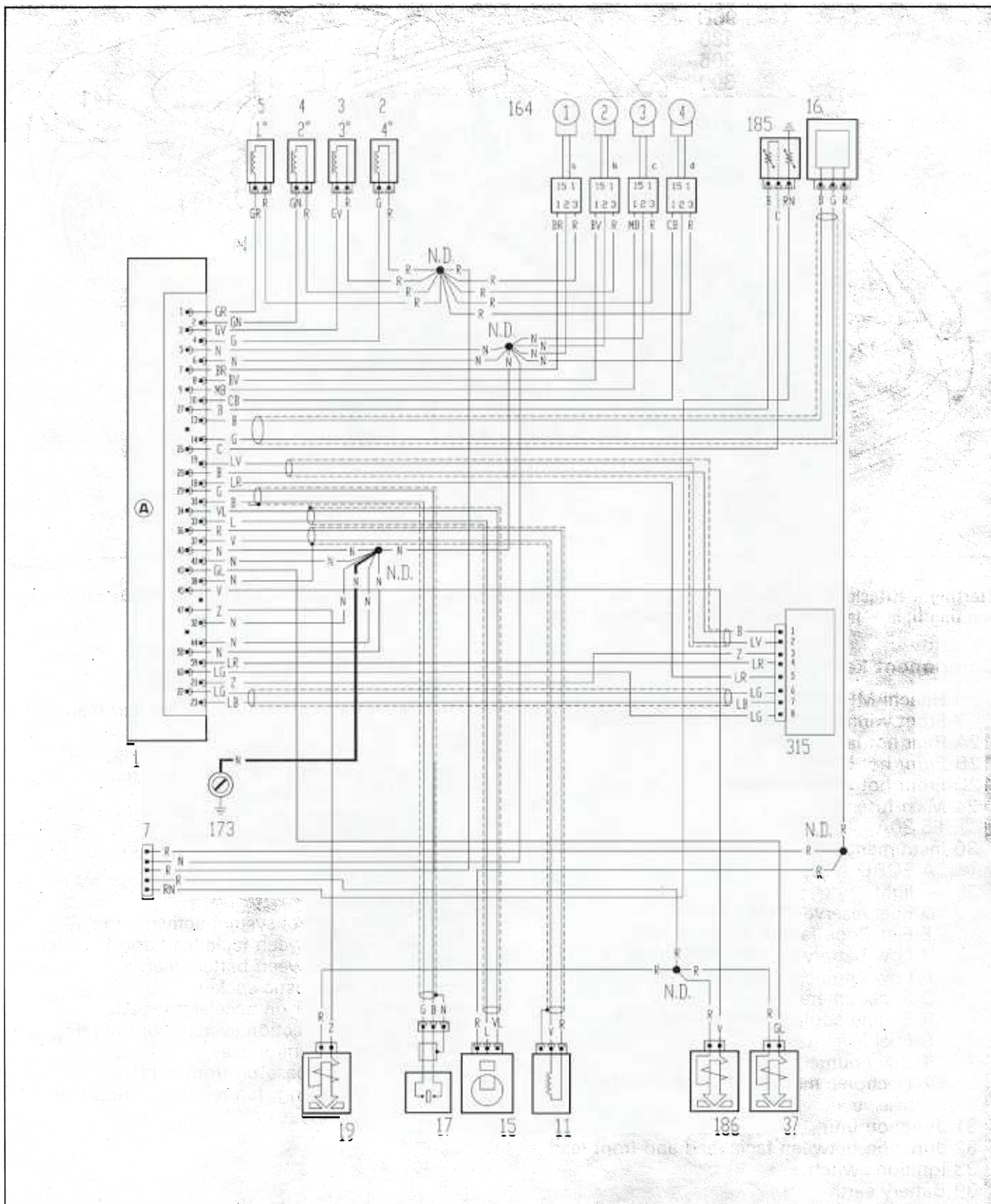
Starting – Hitachi electronic ignition and injection – Recharging and warning light – Insufficient engine oil pressure warning light – Injection system failure warning light

Component key

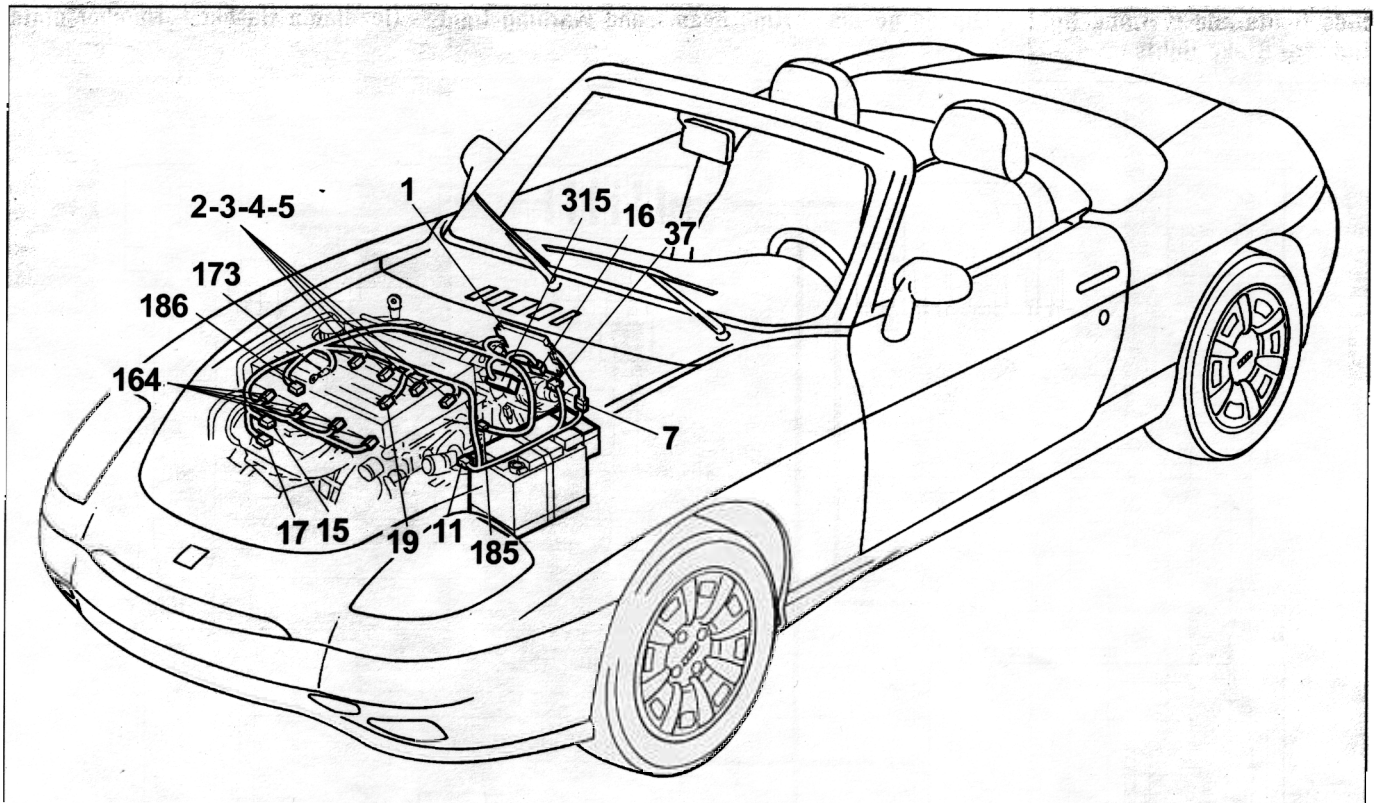
- | | |
|--|--|
| I Hitachi MPI electronic injection control unit | 57 Fiat Code control unit |
| 7 Front wiring joint with engine lead | 81 Fuel pump unit |
| 12A Rear hot lambda sensor | 82 Junction between dashboard and rear cables |
| 12B Front hot lambda sensor no. 2 | 87 Speed sensor |
| 12C Front hot lambda sensor no. 1 | 96A Engine cooling fan 1st speed relay |
| 24 Maxi fuse box | 96B Engine cooling fan 2nd speed relay |
| F5 30A | 100 3-stage pressure switch |
| 30 Instrument panel | 101 Steering column switch unit |
| A EOBD injection system failure warning light | 115 Engine oil pressure sensor |
| D Fuel reserve warning light | 120 Left front earth |
| E Fiat Code failure warning light | 124 Inertia switch |
| H Low battery charge warning light | 141 Rear earth |
| P Low engine oil pressure warning light | 180 Climate control system activation relay |
| Q Speedometer | 181 Junction between facia lead and front lead |
| R Engine coolant temperature gauge | 188 Junction between battery lead + services |
| S Fuel level gauge | 304 EOBD diagnostic socket |
| T Rev counter | 307 Potentiometer on accelerator pedal |
| Z Electronic module for displaying fuel level/ reserve | 308 Electronic injection system control relay |
| 31 Junction unit | 309 Fuel pump control relay |
| 32 Junction between facia lead and front lead | 310 Fuse holder base on front cable |
| 33 Ignition switch | 314 Engine cooling fan remote control switch |
| 39 Battery earth | |
| 40 Battery | |
| 42 Starter motor | |
| 43 Alternator | |
| 55 Left facia earth | |

55.

Starting – Hitachi electronic injection and ignition – Sensor and actuator connection (engine prewiring)



3W004EL01



3W005EL01

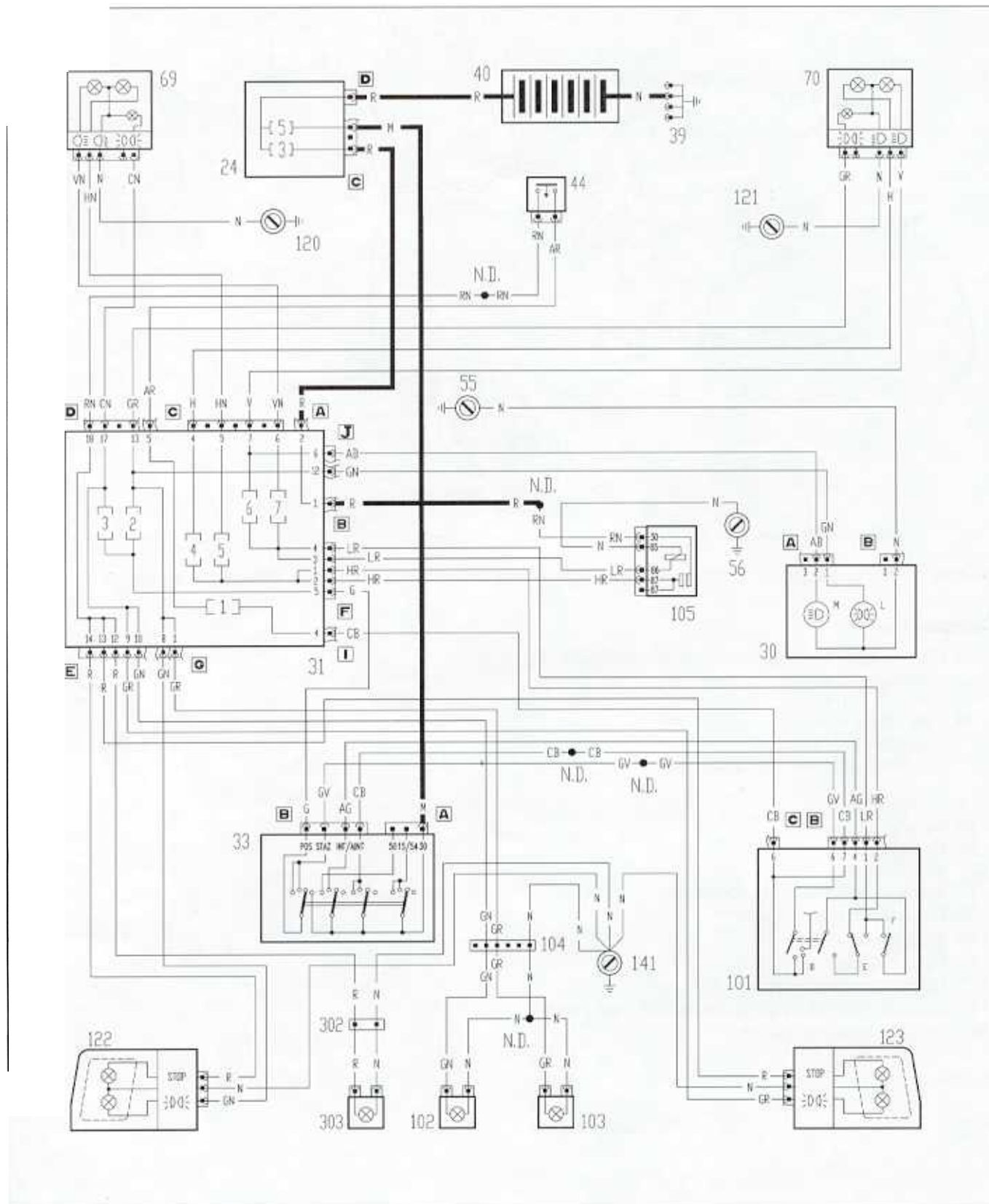
Starting – Hitachi electronic injection and ignition – Sensor and actuator connection (engine prewiring)

Component key

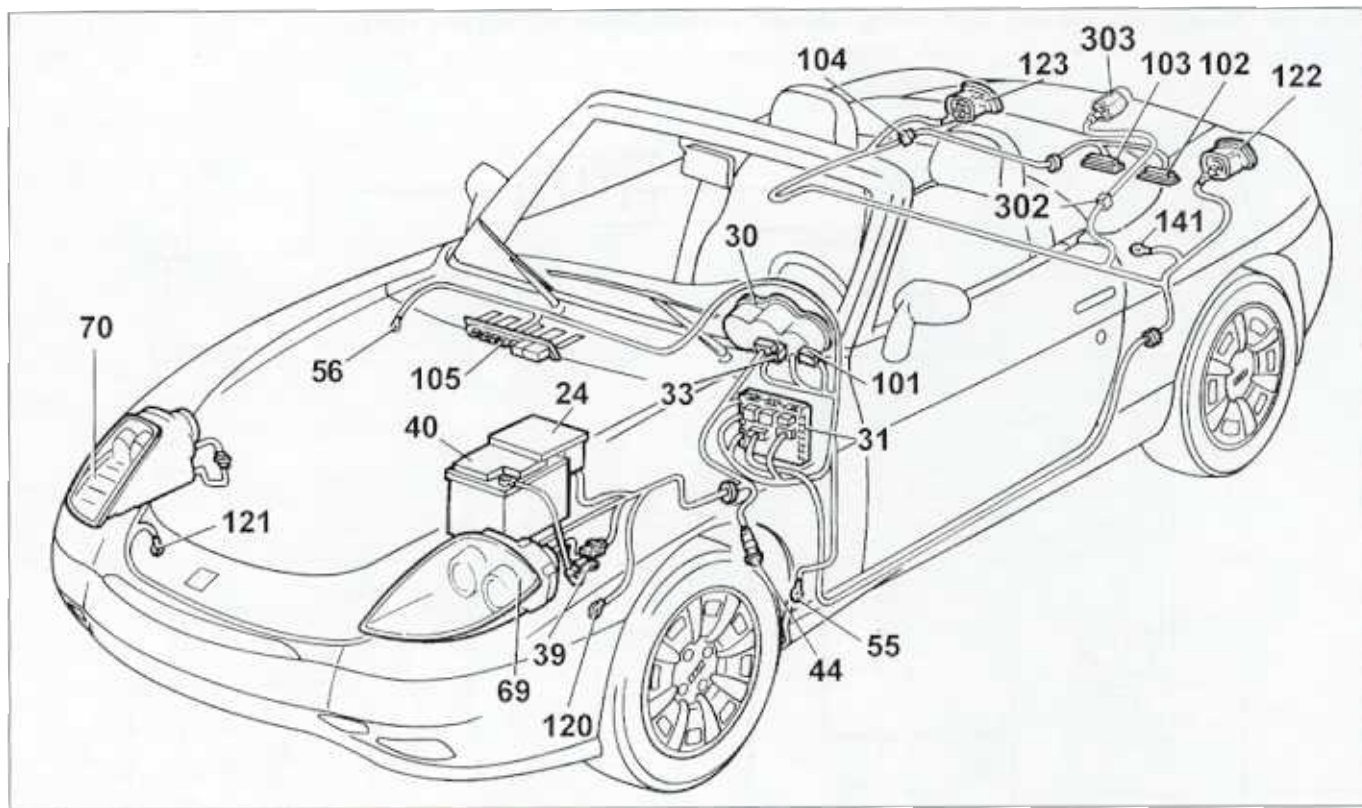
- 1 Hitachi MPI electronic injection control unit
- 2 Cylinder 4 injector
- 3 Cylinder 3 injector
- 4 Cylinder 2 injector
- 5 Cylinder 1 injector
- 7 Junction between front cable and engine cable
- 11 Rpm sensor
- 15 Timing sensor
- 16 Flow meter
- 17S Knock sensor
- 19 Variable valve timing solenoid
- 37 Canister solenoid valve
- 164 Ignition coil unit
- 173 Earth on engine
- 185 Double coolant temperature sensor
- 186 Variable geometry actuator control solenoid
- 315 Throttle body actuator

55.

Side lights and warning light – Dipped beams – High beams and warning light – Headlamp flasher – Number plate lights – Brake lights



3V005EL01



3W007EL01

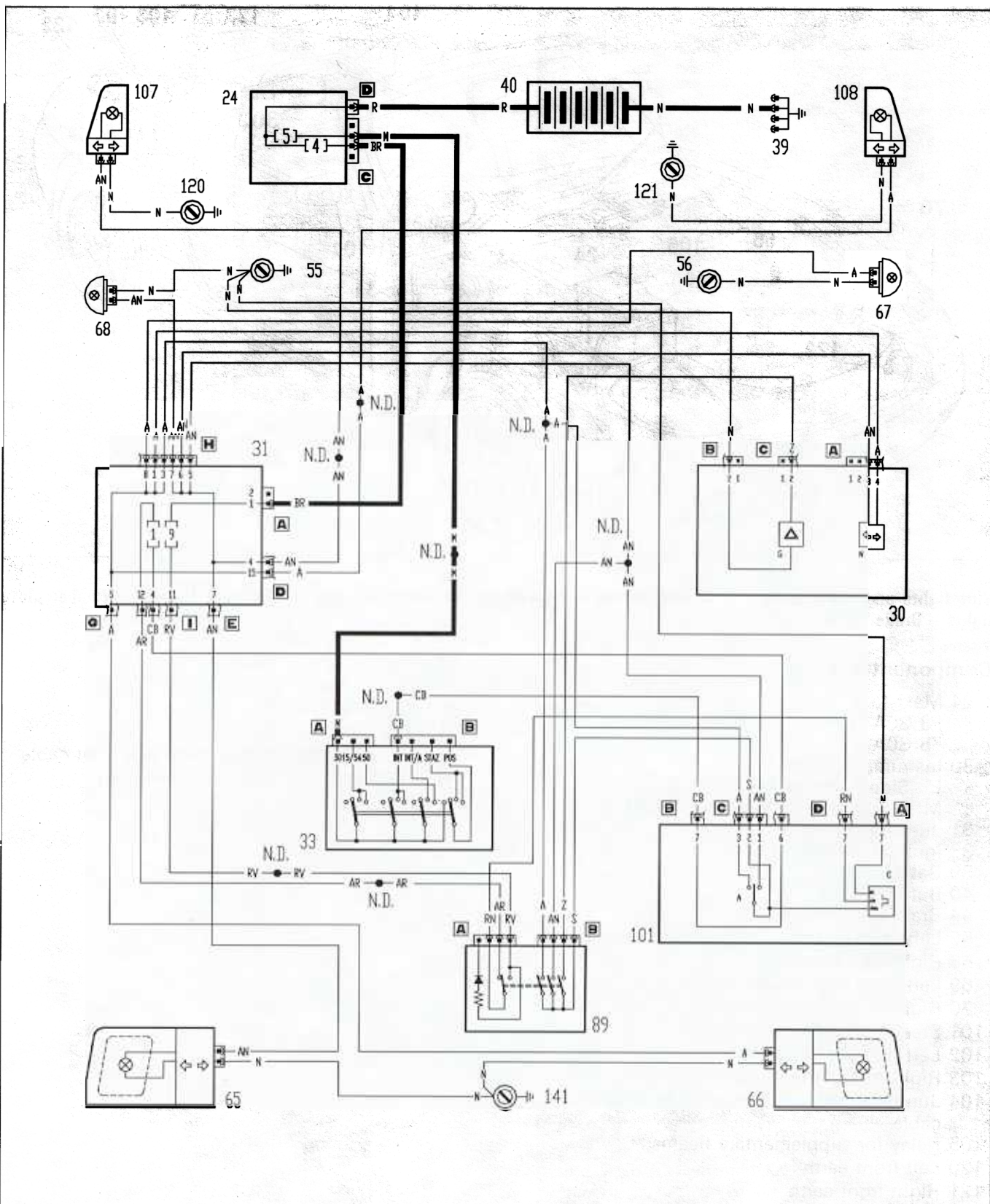
Side lights and warning light – Dipped beams – High beams and warning light – Headlamp flasher – Number plate lights – Brake lights

Component key

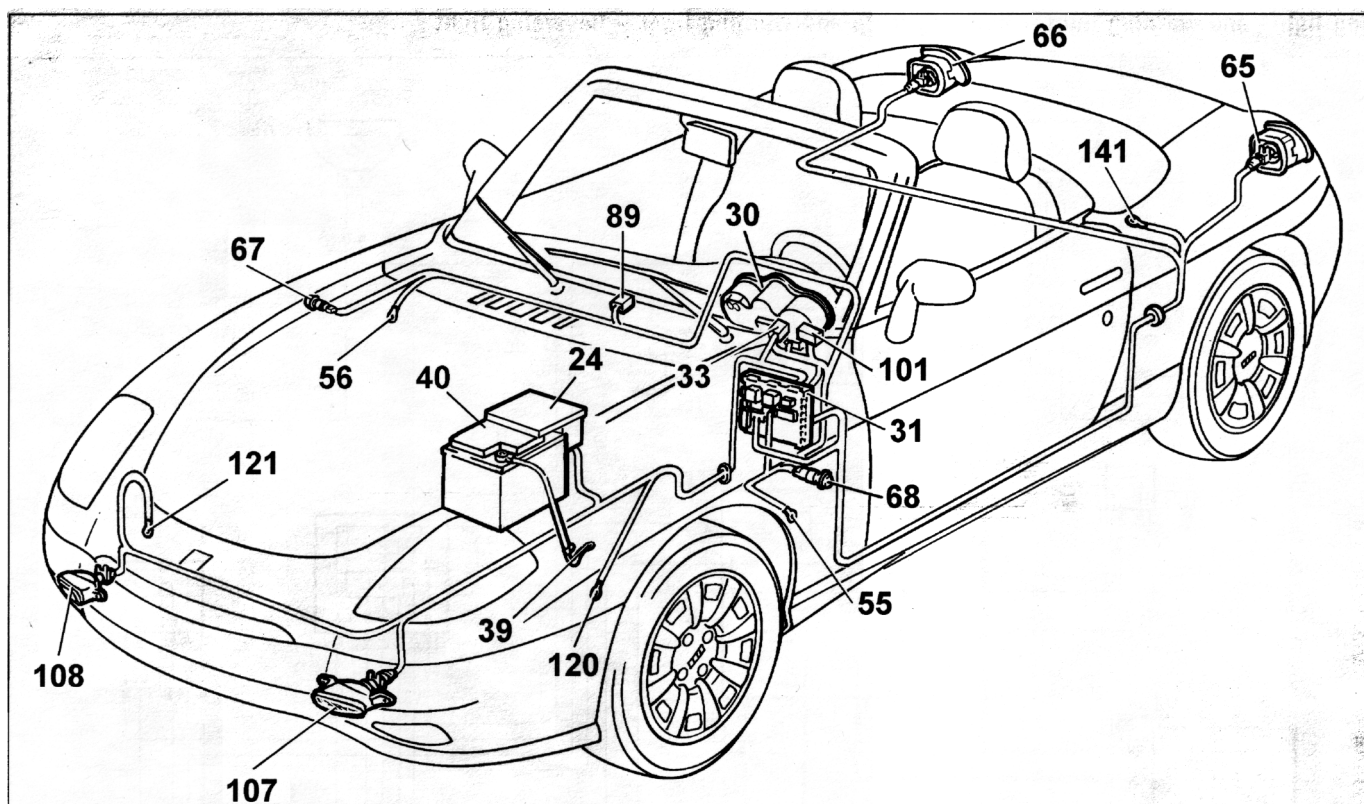
- | | |
|---|---|
| 24 Maxi-fuse box
F3 30A
F5 30A | 123 Right rear light cluster
- side light
- car brake light |
| 30 Instrument panel
L Side lights on warning light
M Dipped beam on warning light | 141 Rear earth |
| 31 Junction unit | 302 Junction between rear cable and boot cable |
| 33 Ignition switch | 303 Supplementary rear 3rd brake light |
| 39 Battery earth | |
| 40 Battery | |
| 44 Brake signal switch | |
| 55 Left facia earth | |
| 56 Right dashboard earth | |
| 69 Left front light cluster | |
| 70 Right front light cluster | |
| 101 Steering column switch unit | |
| 102 Left number plate light | |
| 103 Right number plate light | |
| 104 Junction between rear cable and bumper cable | |
| 105 Relay for supplementary beams | |
| 120 Left front earth | |
| 121 Right front earth | |
| 122 Left rear light cluster
- side light
- brake light | |

55.

Direction indicator and warning light wiring – Hazard warning lights and warning light



3W008EL01



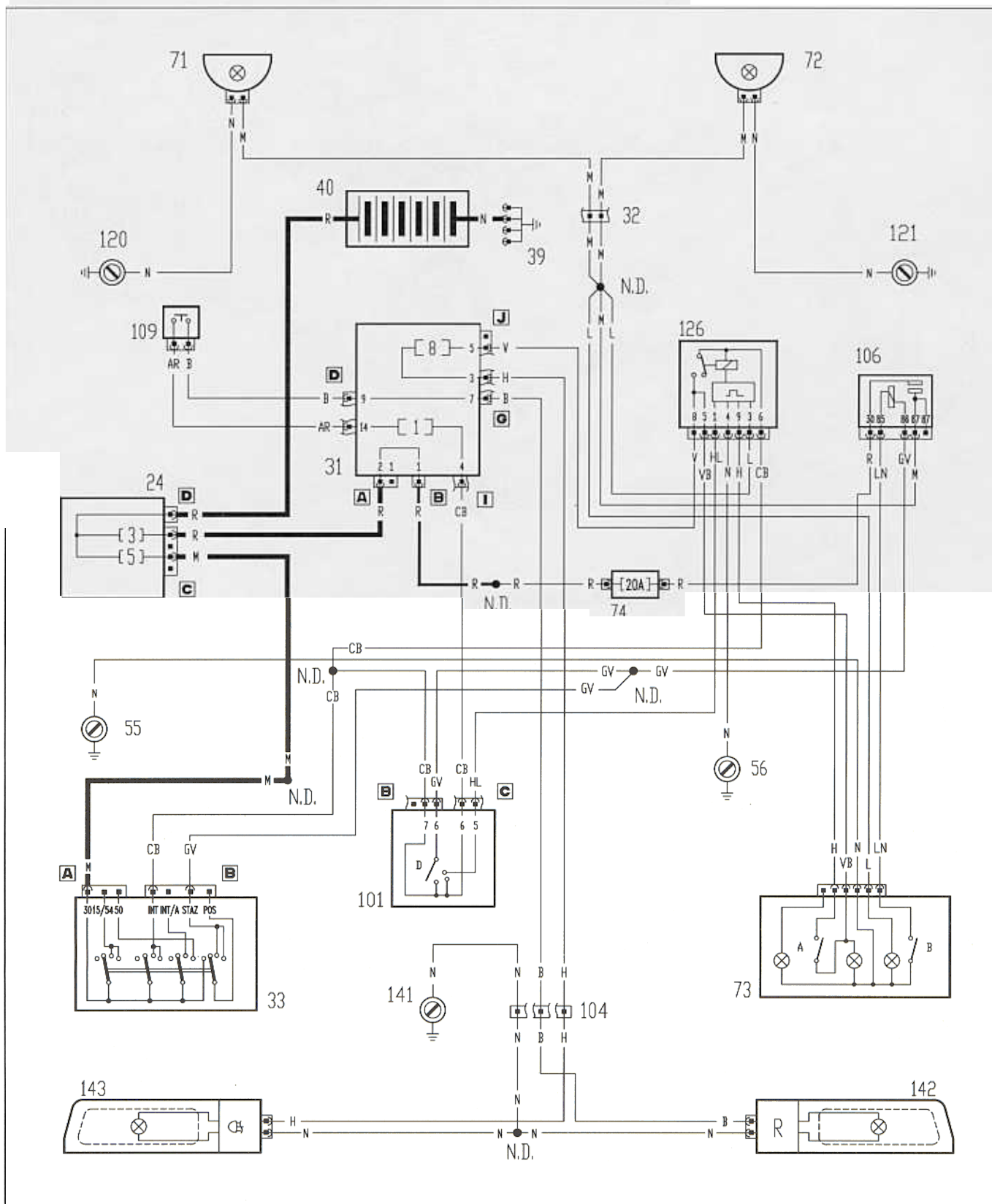
3W009EL01

Direction indicator and warning light wiring – Hazard warning lights and warning light**Component key**

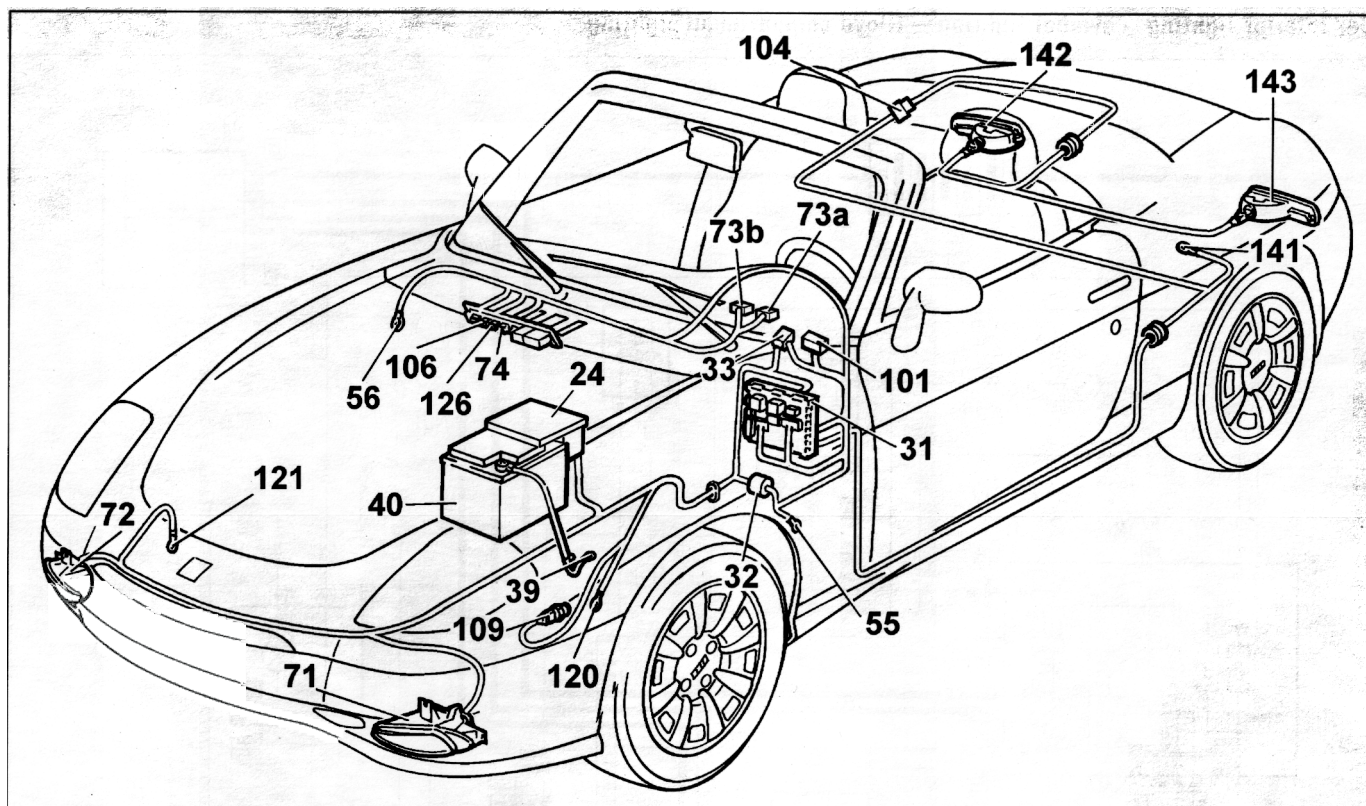
- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 30 Instrument panel
 - G Hazard warning light on warning light
 - N Direction indicator warning light
- 31 Junction unit
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 55 Left facia earth
- 56 Right dashboard earth
- 65 Left rear direction indicator
- 66 Right rear direction indicator
- 67 Right side direction indicator
- 68 Left side direction indicator
- 89 Hazard warning light switch
- 101 Steering column switch unit
- 107 Left front direction indicator
- 108 Right front direction indicator
- 120 Left front earth
- 121 Right front earth
- 141 Rear earth

55.

Fog lights and warning light – Rear fog lamp and warning light – Reversing light



3W010EL01



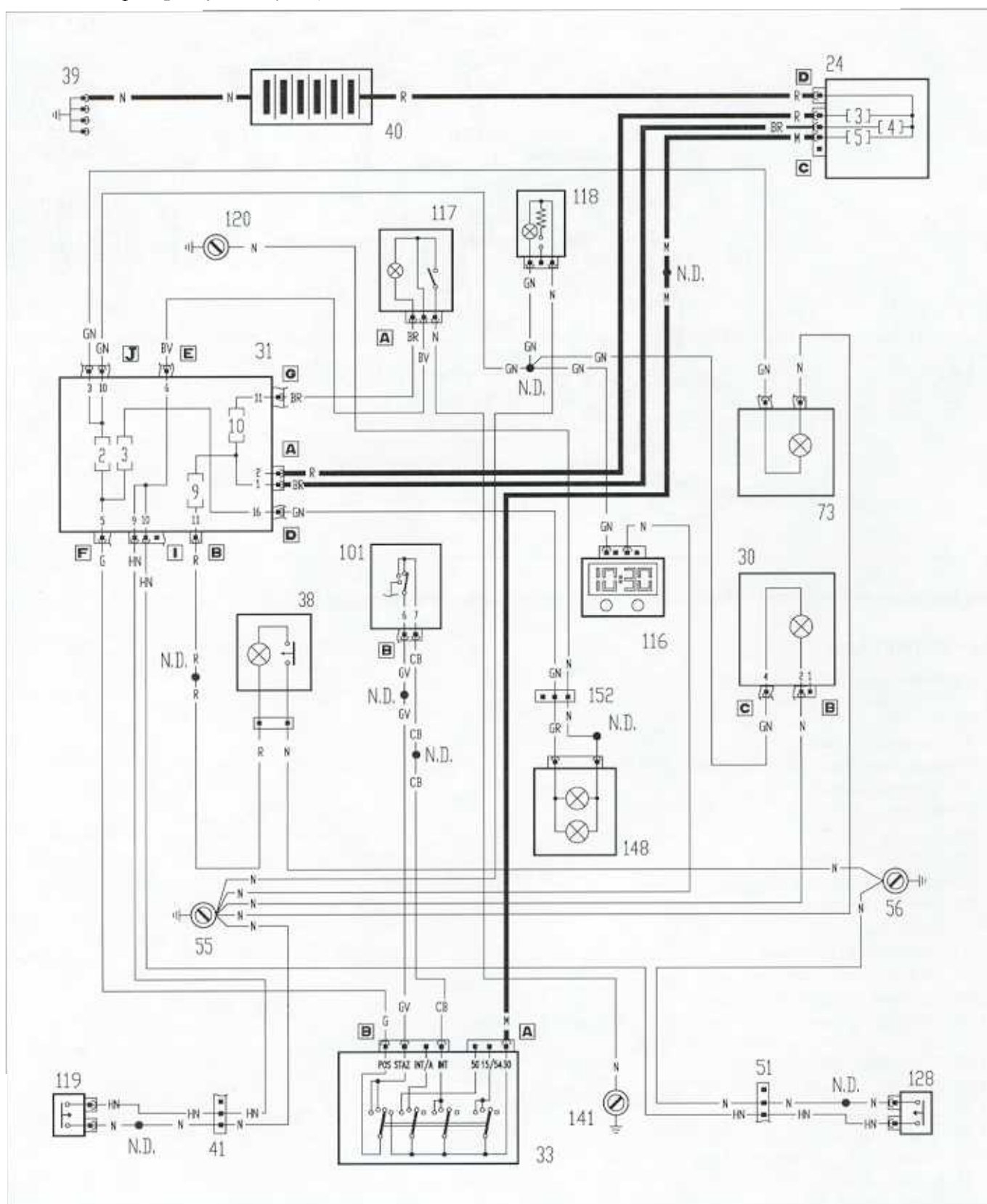
3W011EL01

Fog lights and warning light – Rear fog lamp and warning light – Reversing light**Component key**

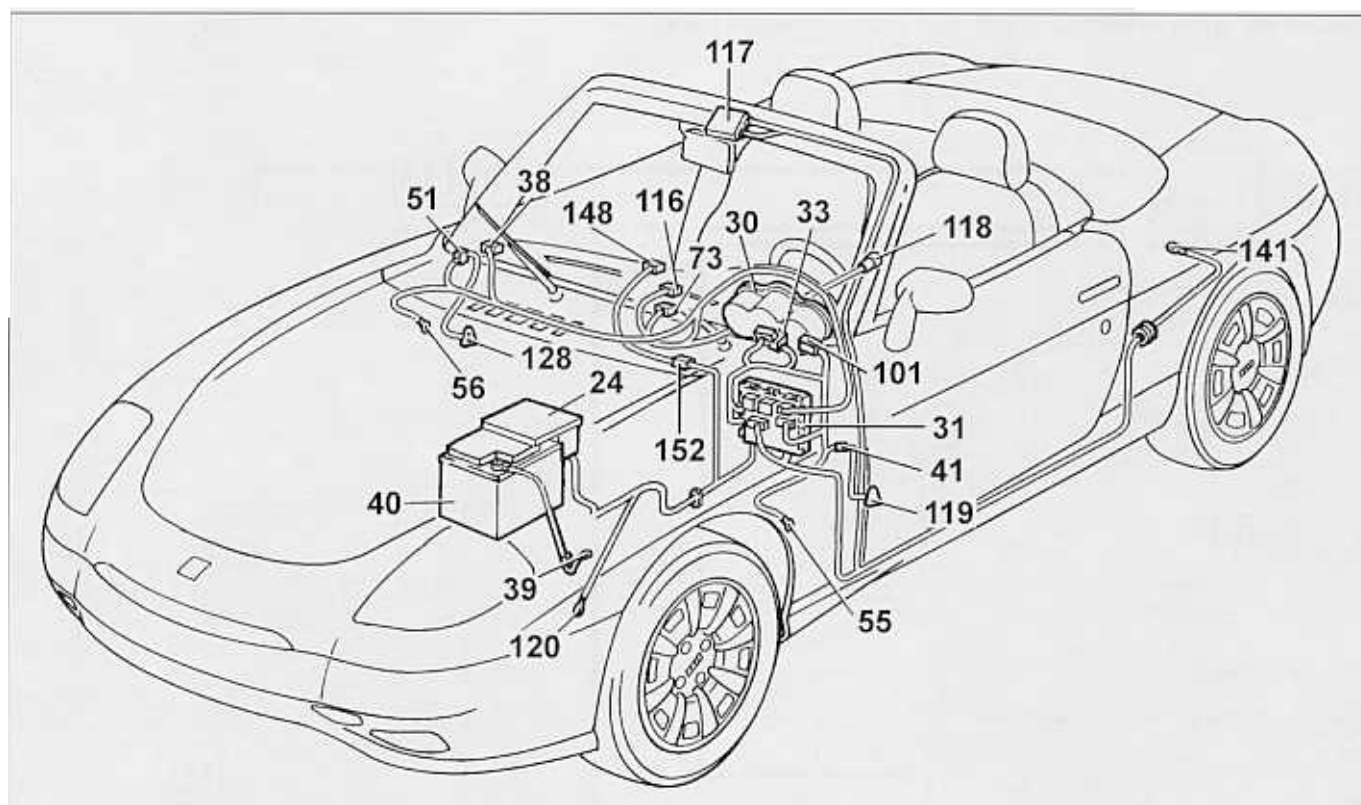
- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 31 Junction unit
- 32 Junction between facia cable and front cable
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 55 Left facia earth
- 56 Right dashboard earth
- 71 Left fog lamp
- 72 Right fog lamp
- 73 Switch unit on facia
- 74 20A fuse for fog lamp
- 101 Steering column switch unit
- 104 Junction between rear cable and bumper cable
- 106 Fog light relay
- 109 Reversing switch
- 120 Left front earth
- 121 Right front earth
- 126 Relay for fog lamp and rear fog lamp
- 141 Rear earth
- 142 Reversing light
- 143 Rear fog lamp

55.

Car interior lighting – symbol lighting – Glove compartment lighting



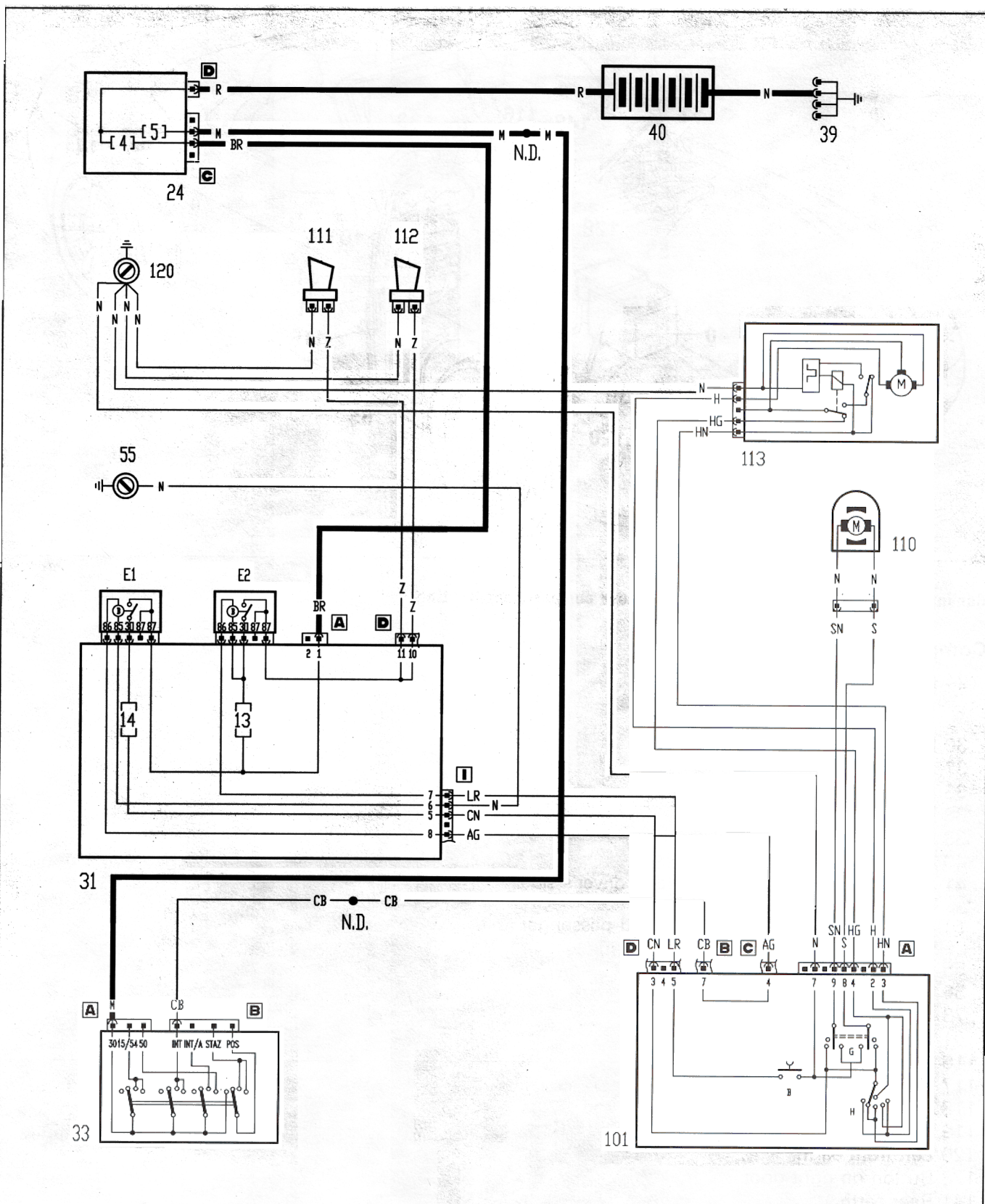
3W012EL01

**Car interior lighting – symbol lighting – Glove compartment lighting****Component key**

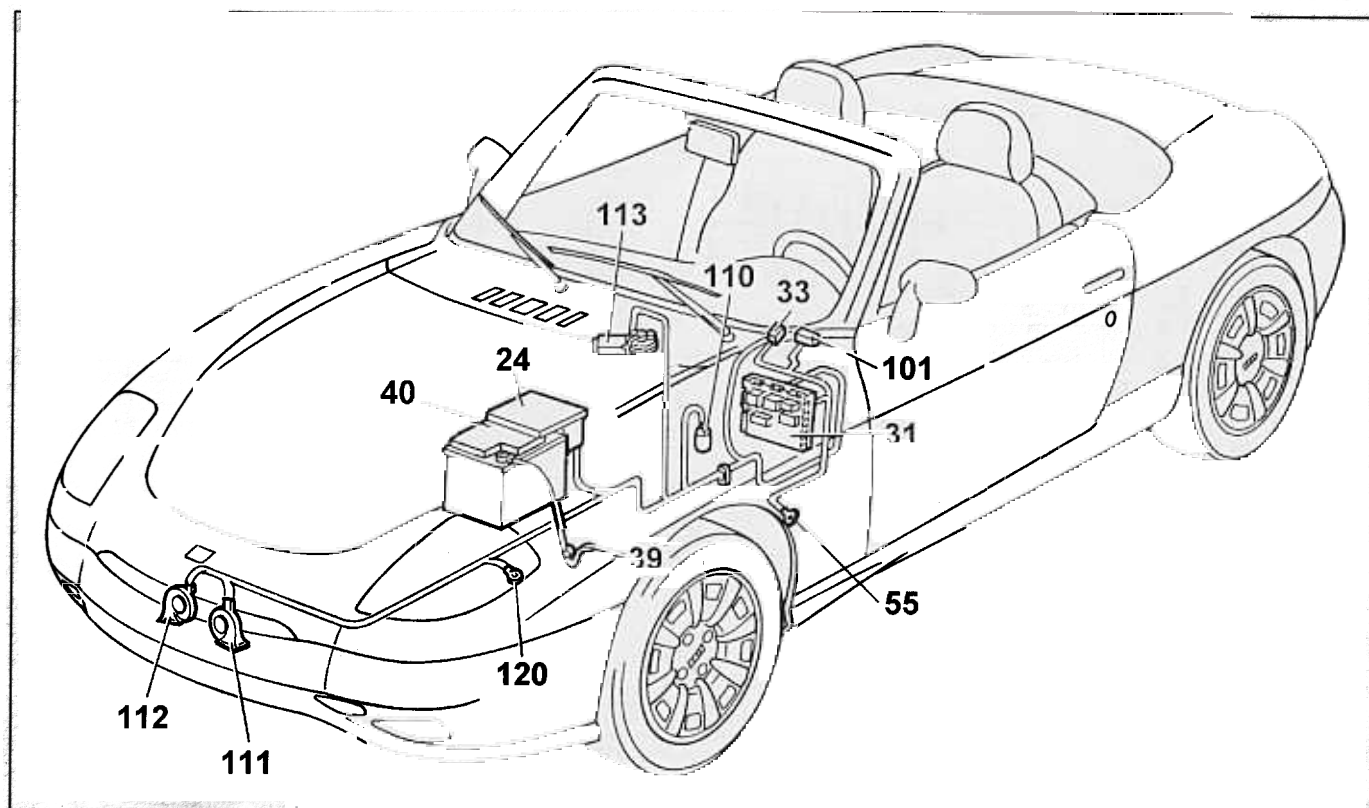
- 24 Maxi-fuse box
F3 30A
F5 30A
- 30 Instrument panel
- 31 Junction unit
- 33 Ignition switch
- 38 Glove compartment light
- 39 Battery earth
- 40 Battery
- 41 Junction between facia cable and driver's side door cable
- 51 Junction between facia cable and passenger side door cable
- 55 Left facia earth
- 56 Right dashboard earth
- 73 Switch unit on facia
- 101 Steering column switch unit
- 116 Digital clock
- 117 Central courtesy light
- 118 Cigar lighter
- 119 Button on left door
- 120 Left front earth
- 128 Button on right door
- 141 Rear earth
- 148 Heater air conditioner unit lighting
- 152 Junction between front cable and air conditioner/heater cable

55.

Windscreen wiper – Electric windscreen washer pump – Horns



3W014EL01



3W015EL01

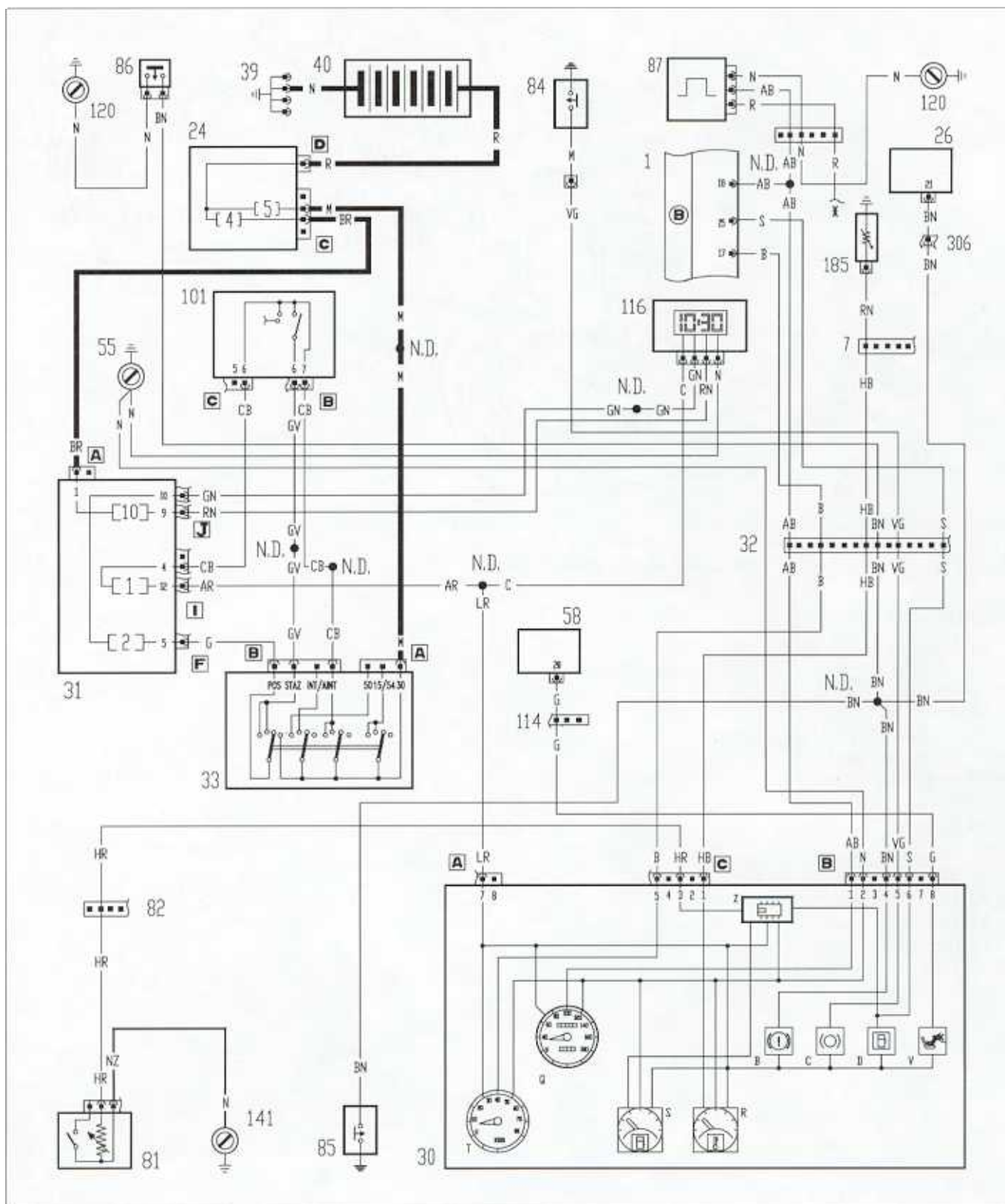
Windscreen wiper – Electric windscreen washer pump – Horns

Component key

- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 31 Junction unit
 - E1 Switch discharge relay
 - E2 Horn relay
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 55 Left facia earth
- 101 Steering column switch unit
- 110 Electric windscreen washer pump
- 111 Left horn
- 112 Right horn
- 113 Windscreen wiper motor
- 120 Left front earth

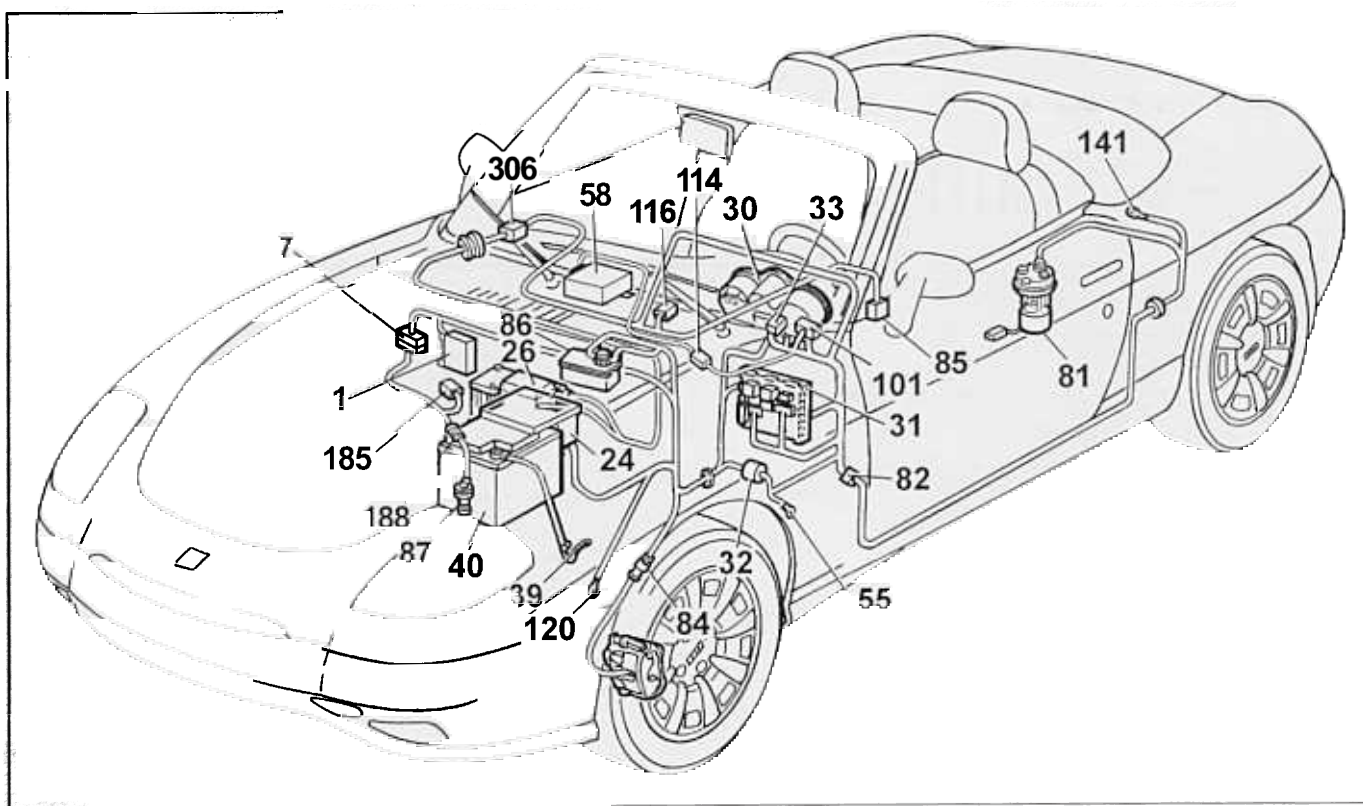
55.

Fuel level gauge and reserve warning light – Engine coolant temperature gauge – Front brake lining wear warning light – Low brake fluid and handbrake on warning light – Passenger airbag deactivation warning light – Rev counter – Speedometer



3W016EL01

See injection wiring diagram



3W017EL01

Fuel level gauge and reserve warning light wiring – Engine coolant temperature gauge – Front brake lining wear warning light – Low brake fluid and handbrake on warning light – Passenger airbag deactivation warning light – Rev counter – Speedometer

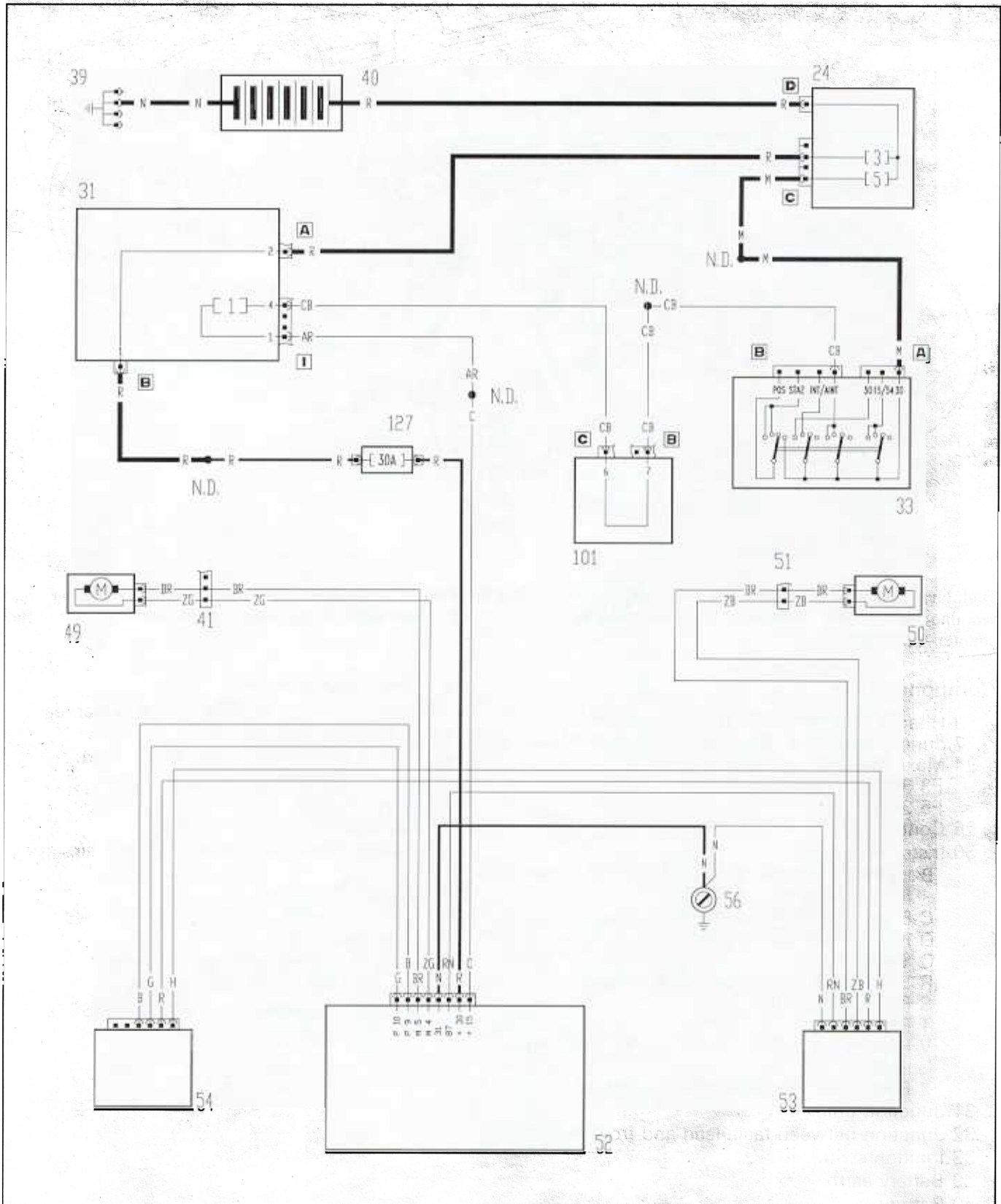
Component key

- I Hitachi MPI electronic injection control unit
- 7 Junction between front lead and engine lead
- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 26 Control unit for ABS hydraulic unit
- 30 Instrument panel
 - B Handbrake applied and insufficient brake fluid level warning light
 - C Brake pad wear warning light
 - D Fuel reserve warning light
 - Q Speedometer
 - R Engine coolant temperature gauge
 - S Fuel level gauge
 - T Rev counter
 - V Passenger airbag deactivation warning light
 - Z Fuel level/reserve electronic module
- 31 Junction unit
- 32 Junction between facia lead and front lead
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 55 Left facia earth
- 58 Electronic control unit for airbag and pretensioners

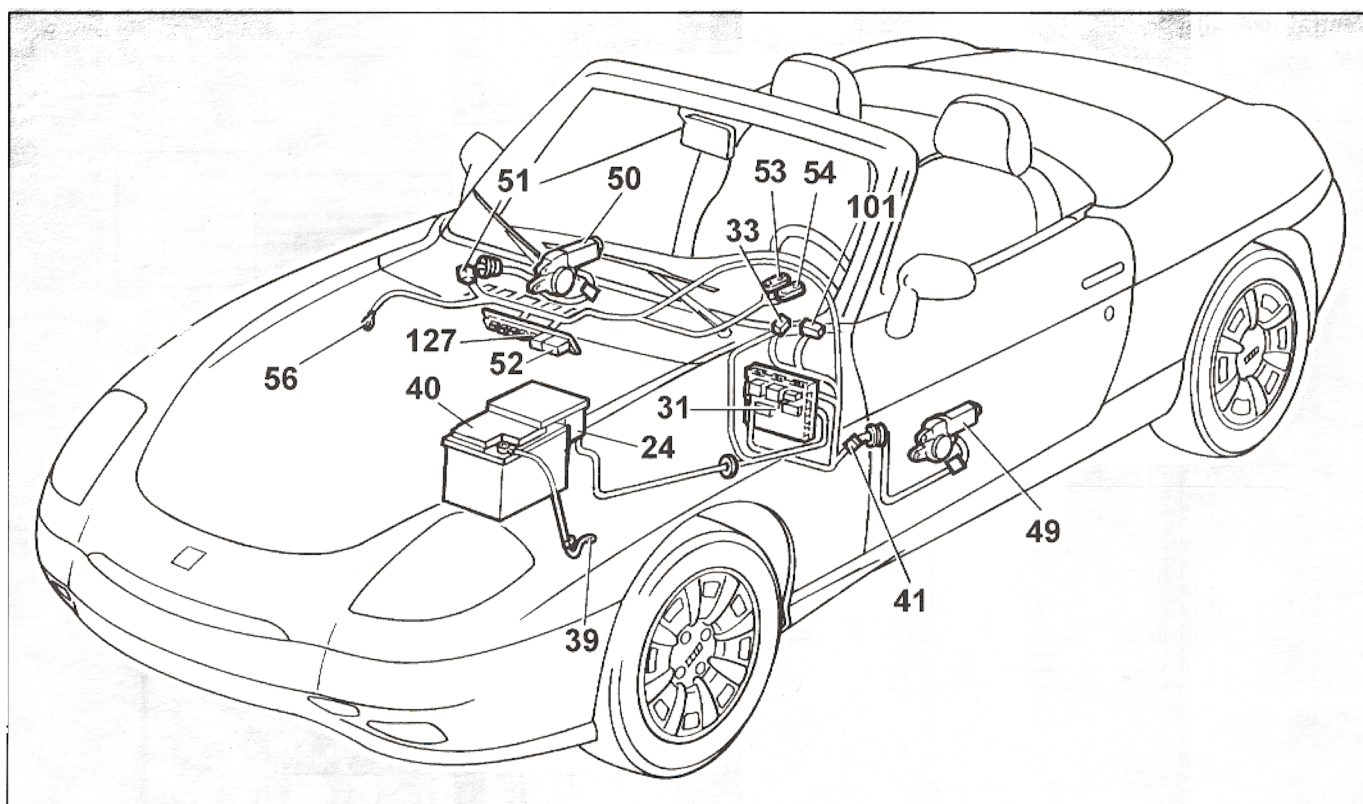
- 81 Fuel pump unit
- 82 Junction between facia lead and rear lead
- 84 Brake pad wear sensor
- 85 Switch indicating handbrake applied
- 86 Insufficient brake fluid level sensor
- 87 Speed sensor
- 101 Steering column switch unit
- 114 Junction between facia cable and airbag cable
- 116 Digital clock
- 120 Left front earth
- 141 Rear earth
- 185 Double coolant temperature sensor
- 188 Battery lead junction + services
- 306 Junction between facia lead and ABS lead

55.

Electrically operated windows



3W018EL01



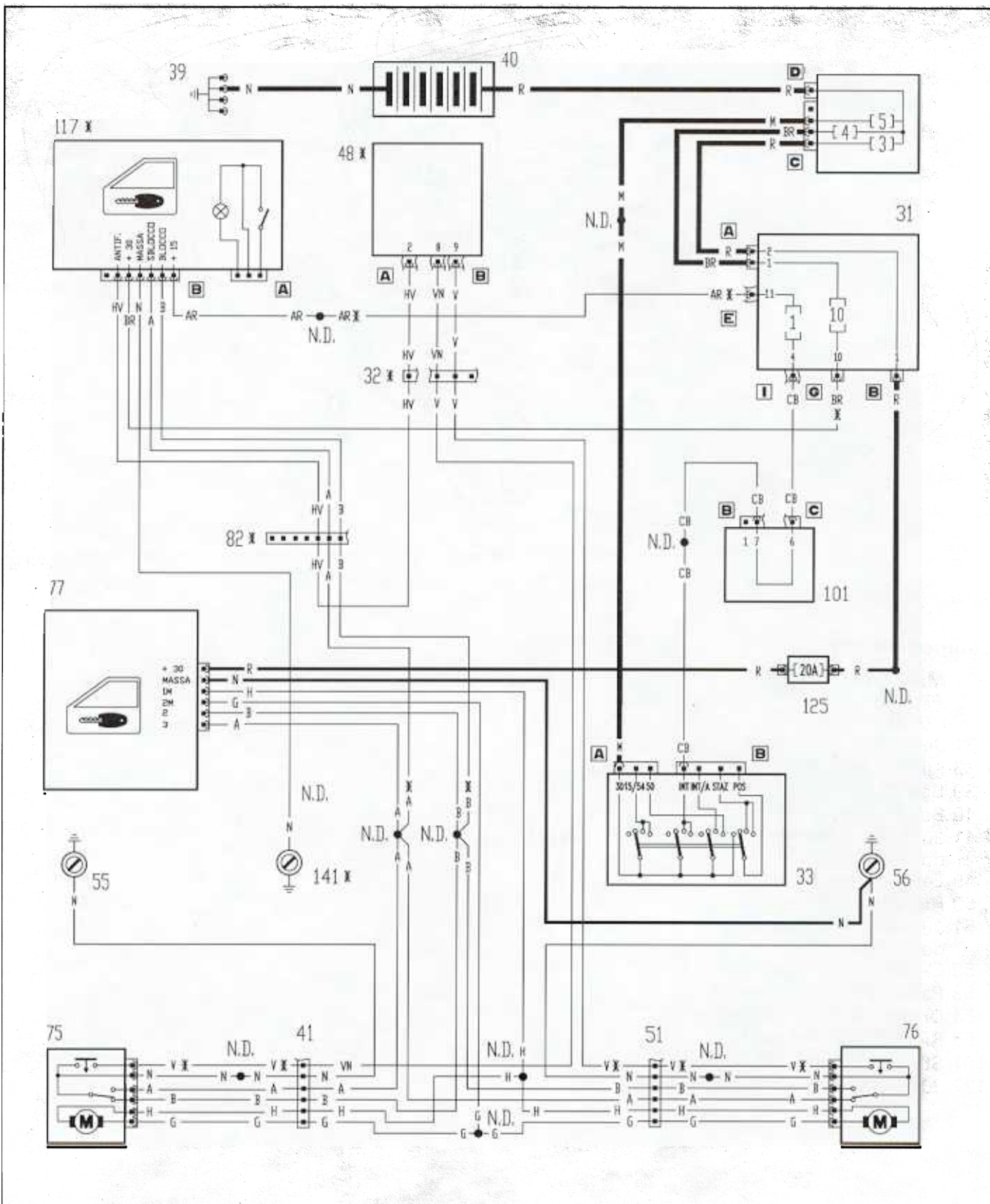
3W019EL01

Electric window wiring**Component key**

- 24 Maxi fuse box
F3 30A
F5 30A
- 31 Junction unit
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 41 Junction between dashboard and driver's door cables
- 49 Left window motor
- 50 Right window motor
- 51 Junction between facia lead and passenger door lead
- 52 Electric window control unit
- 53 Passenger window buttons
- 54 Driver side window buttons
- 56 Right dashboard earth
- 101 Steering column switch unit
- 127 30A fuse for electric windows

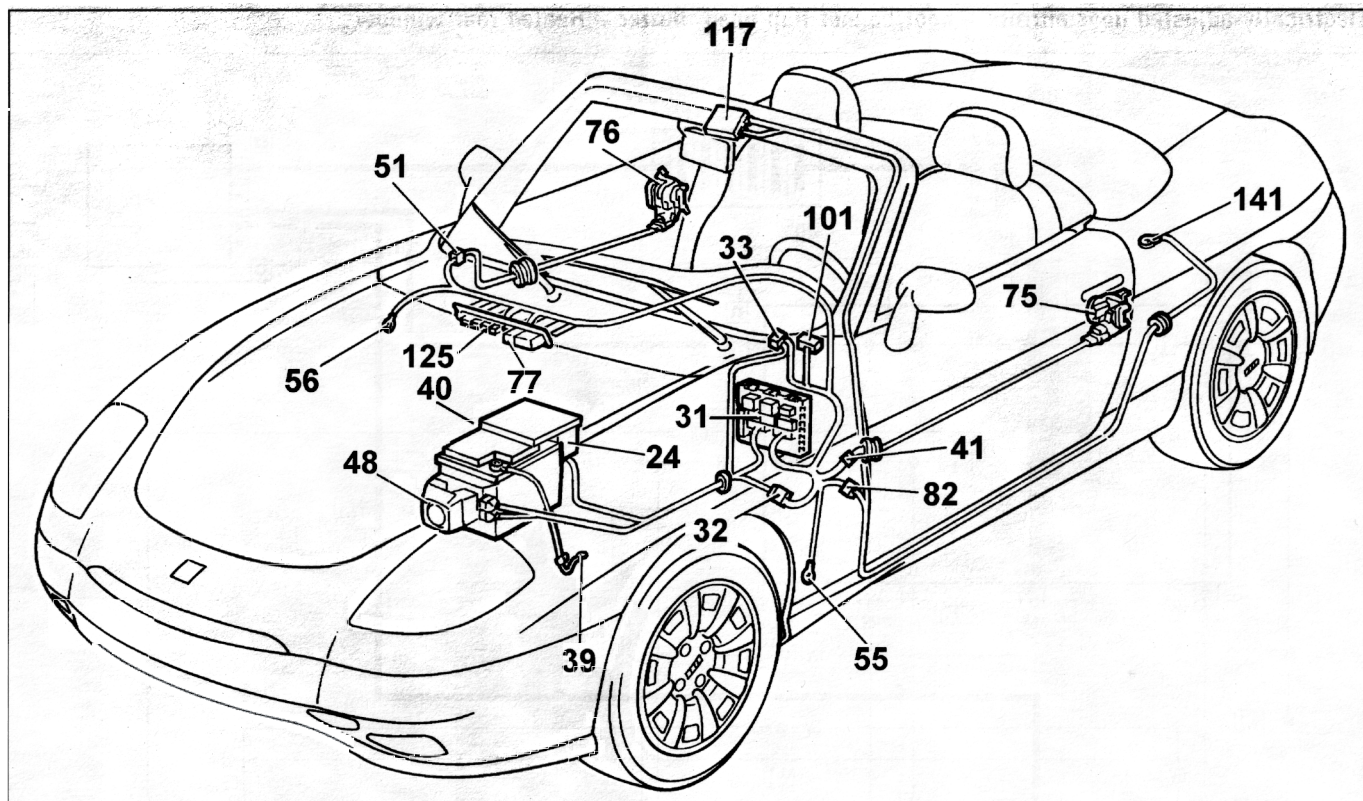
55.

Central locking



3W020EL01

Variant for version with alarm



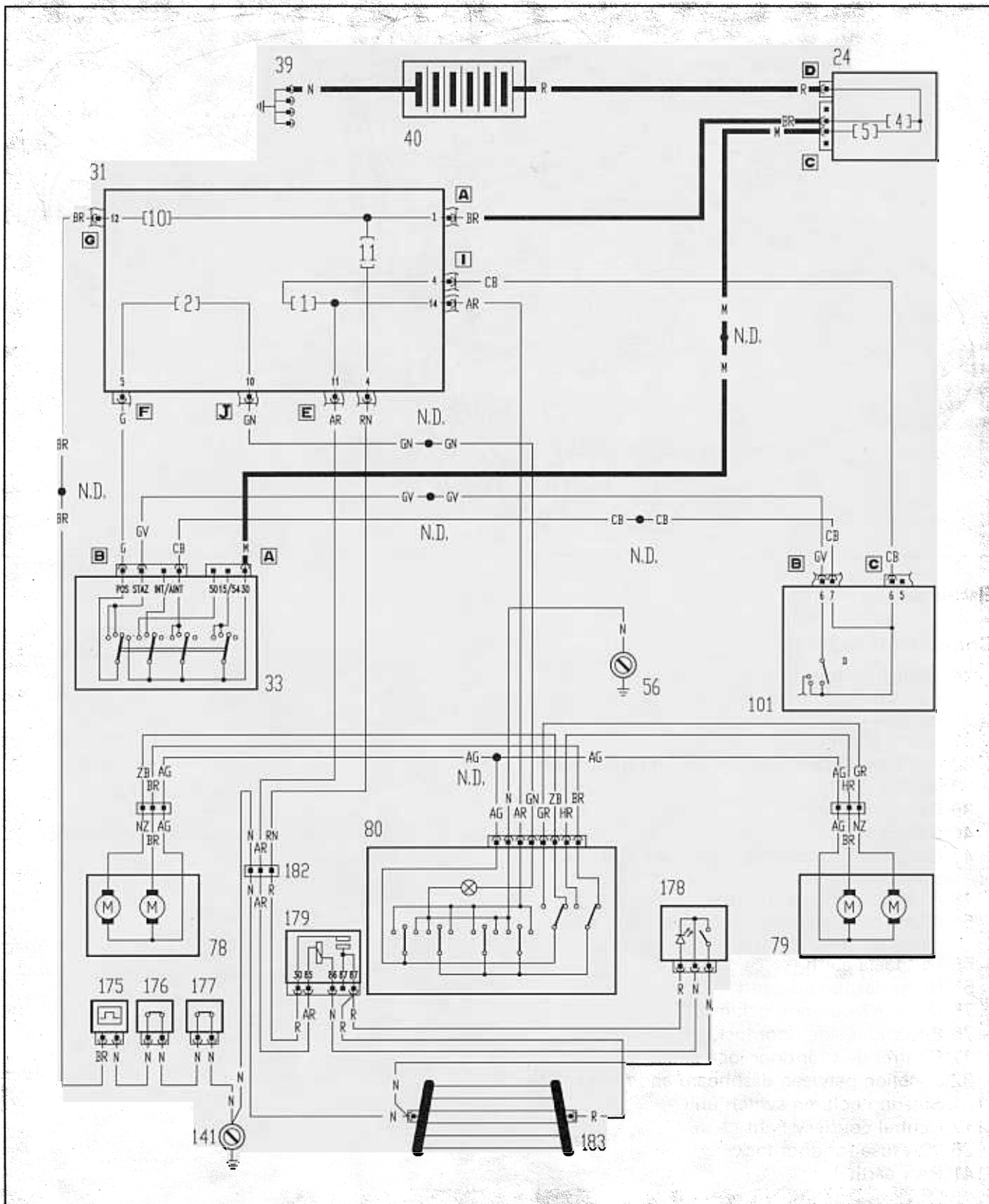
3V021EL01

Electric door lock wiring**Component key**

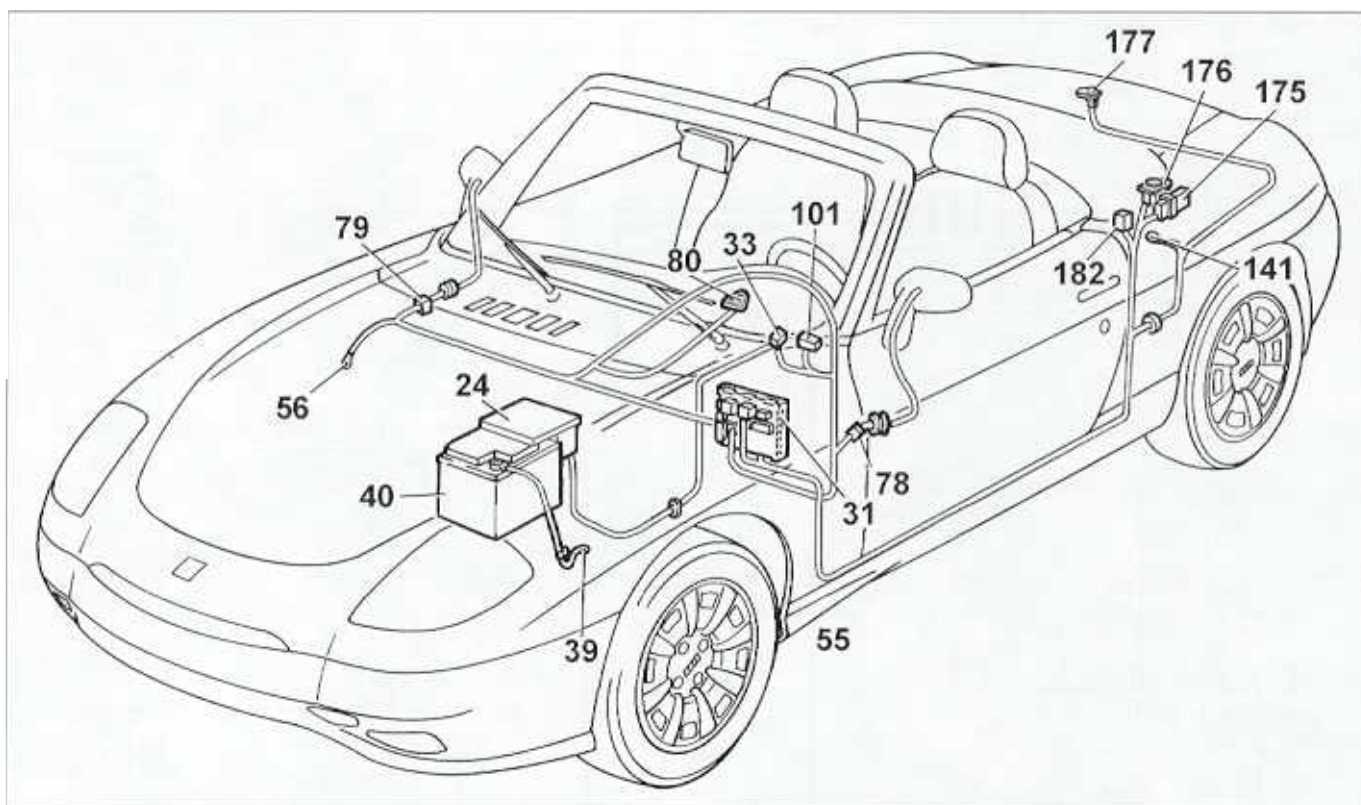
- 24 Maxi-fuse box
F3 30A
F5 30A
- 31 Junction unit
- 32 Junction between facia lead and front lead
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 41 Connection between facia lead and driver's door lead
- 48 Alarm system control unit
- 51 Connection between facia lead and passenger door lead
- 55 Left facia earth
- 56 Right dashboard earth
- 75 Driver's side door lock motor
- 76 Passenger side door lock motor
- 77 Control unit for door lock circuit
- 82 Junction between dashboard and right cables
- 101 Steering column switch unit
- 117 Central courtesy light
- 125 20A fuse for door lock
- 141 Rear earth

55.

Electrically-adjusted door mirrors – boot/bonnet flap open buzzer – Heated rear window



3W022EL01



3W023EL01

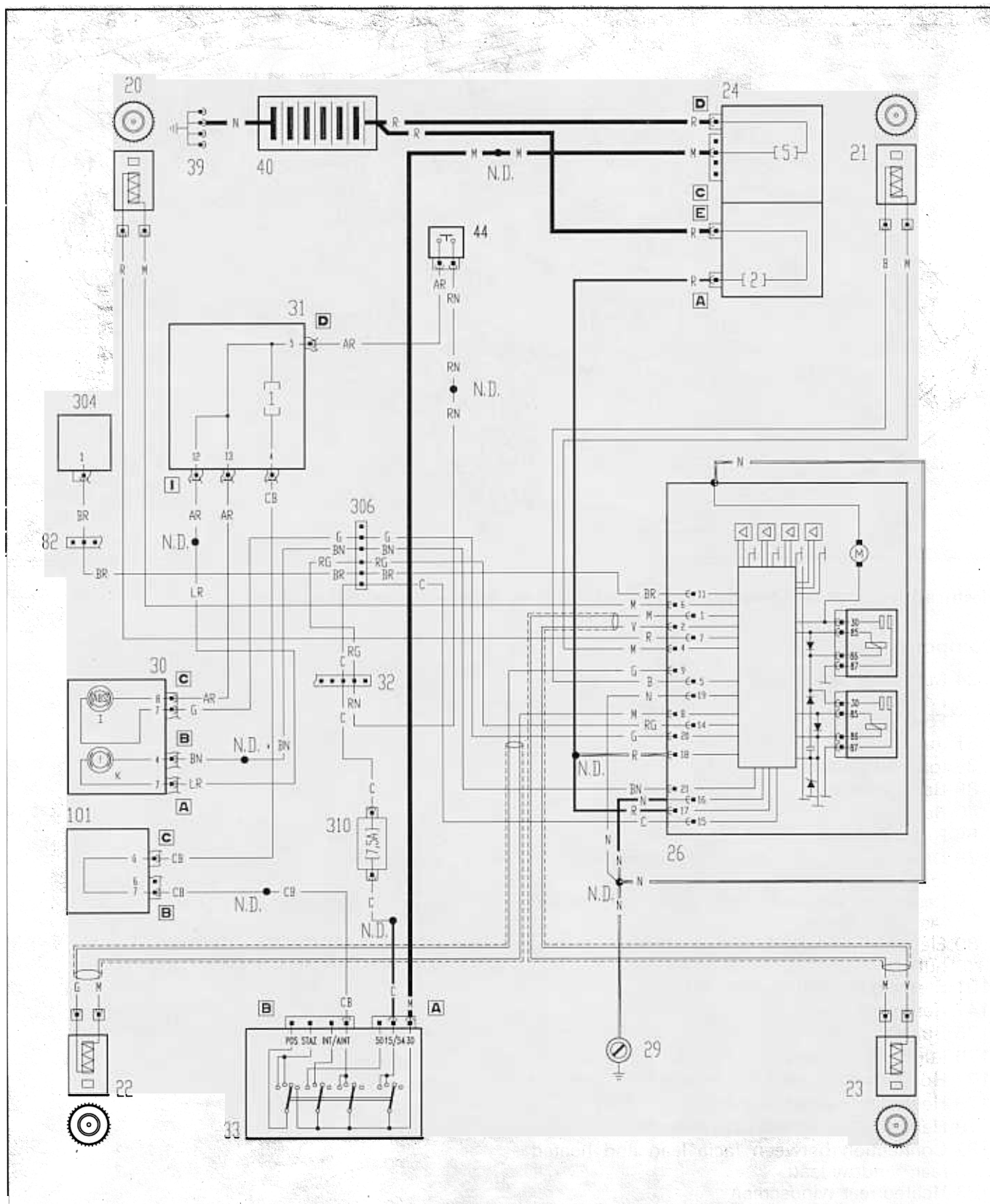
Electrically-adjusted door mirrors – boot/bonnet flap open buzzer – Heated rear window

Component key

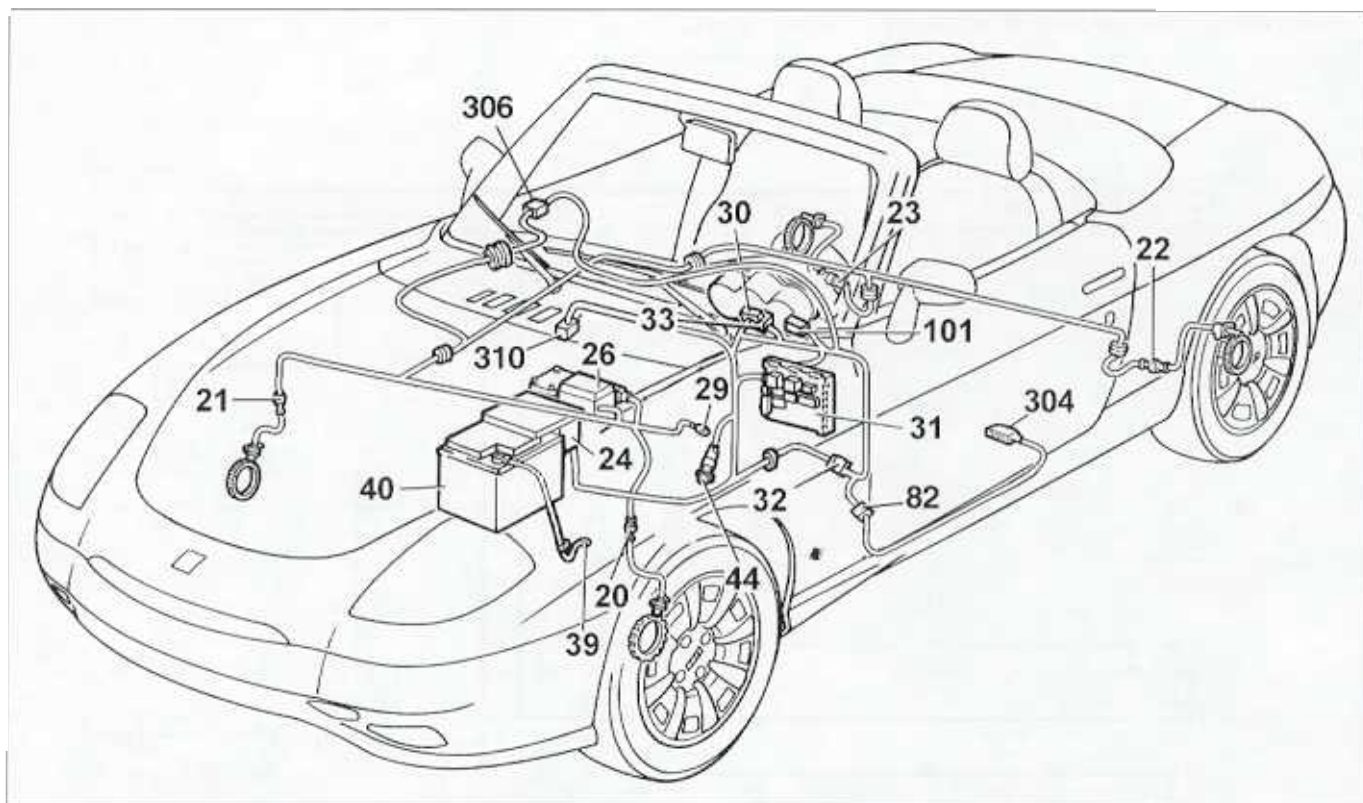
- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 31 Junction unit
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 56 Right dashboard earth
- 78 Driver's side electrically adjustable exterior rear view mirror
- 79 Passenger side electrically adjustable exterior rear view mirror
- 80 Electrically-adjustable door mirror control buttons
- 101 Steering column switch unit
- 141 Rear earth
- 175 Buzzer
- 176 Luggage compartment flap button for buzzer
- 177 Hood compartment flap button for buzzer
- 178 Heated rear window activation switch
- 179 Heated rear window activation relay
- 182 Connection between facia lead and heated rear window lead
- 183 Heated rear windscreen

55.

Anti-lock braking system and failure warning light



3W024EL01



3W025EL01

Anti-lock braking system wiring and failure warning light**Component key**

- 20 Sensor on left front wheel (ABS)
- 21 Sensor on right front wheel (ABS)
- 22 Sensor on left rear wheel (ABS)
- 23 Sensor on right rear wheel (ABS)
- 24 Maxi-fuse box
 - F3 30A
 - F5 30A
- 26 Control unit for ABS hydraulic unit
- 29 ABS circuit earth
- 30 Instrument panel
 - B Handbrake applied and insufficient brake fluid level warning light
 - I Anti-lock brake failure warning light
- 31 Junction unit
- 32 Junction between facia lead and front lead
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 44 Brake signal switch
- 82 Junction between dashboard and rear cables
- 101 Steering column switch unit
- 304 EOBD diagnostic socket
- 306 Junction between dashboard and ABS cable
- 310 Fuse holder base on front cable

Electrical system

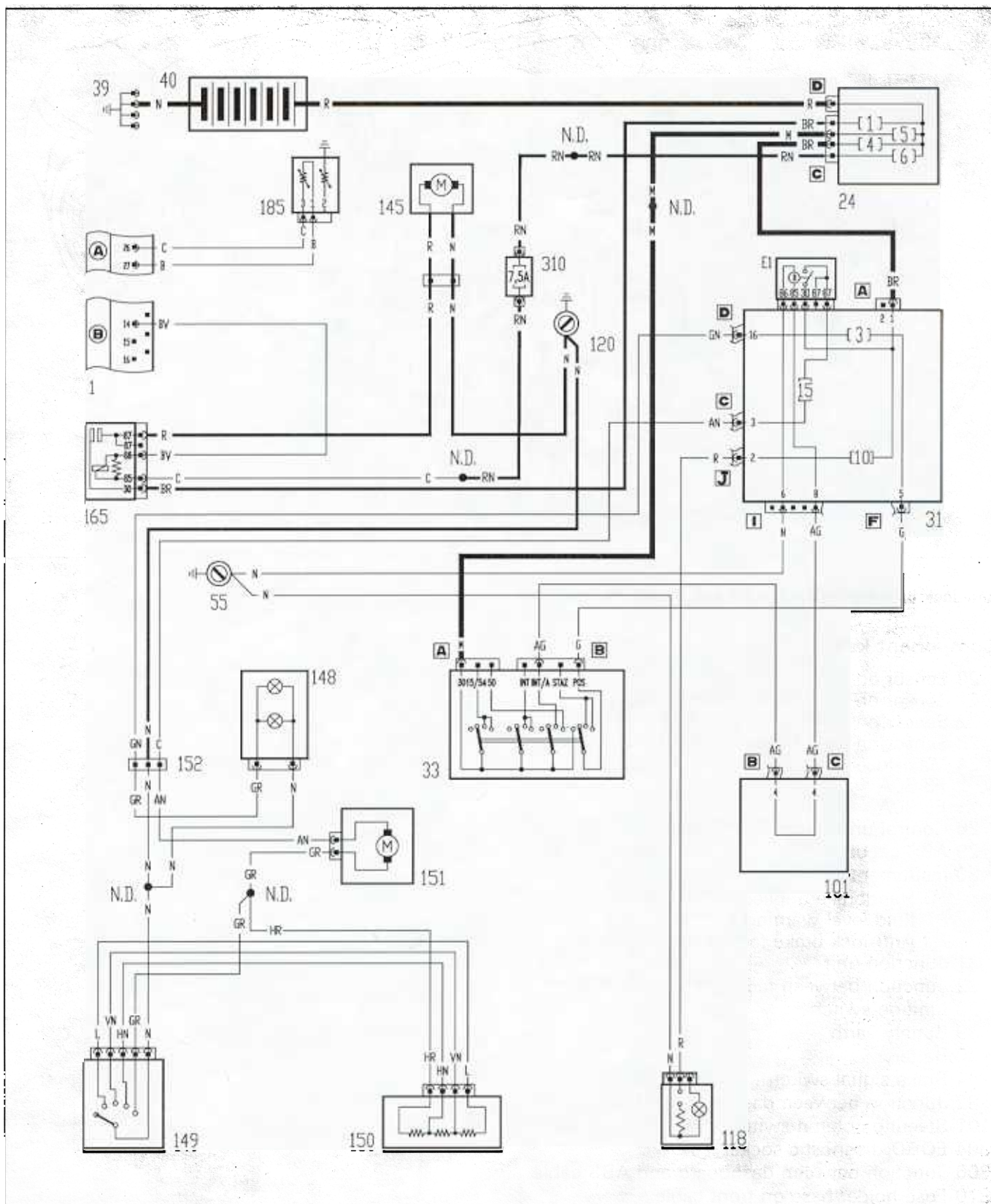
Wiring diagrams

55.

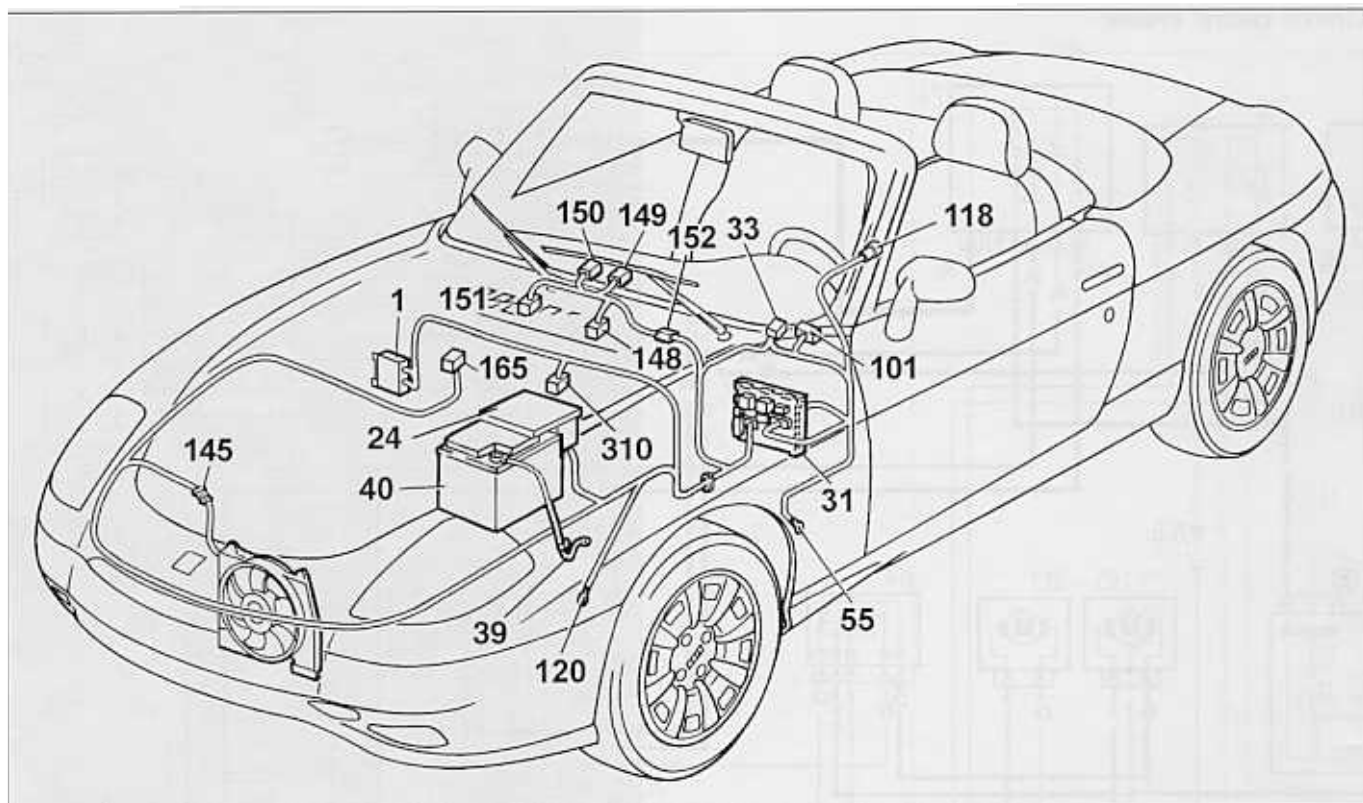
Engine cooling – Vehicle interior ventilation – Cigar lighter

Fiat barchetta

2000 range



3W026EL01



3W027EL01

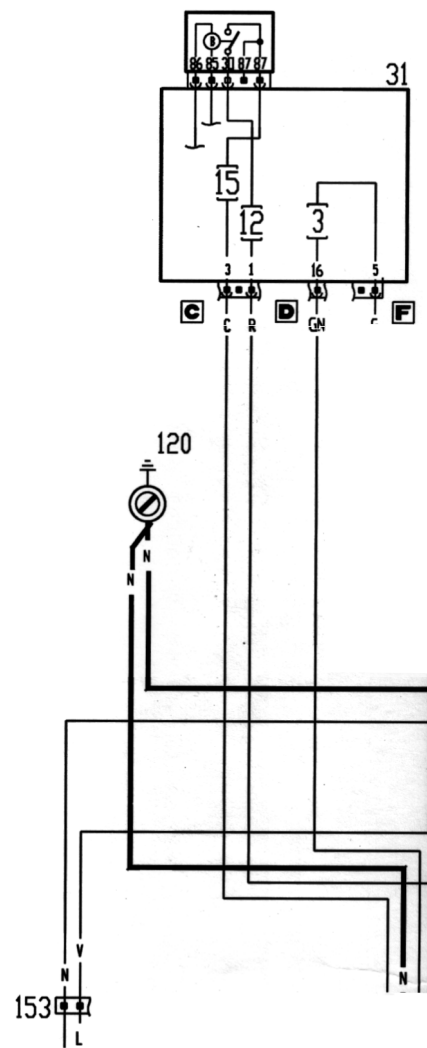
Engine cooling – Vehicle interior ventilation – Cigar lighter**Component key**

- 1 Hitachi MPI electronic injection control unit
- 24 Maxi-fuse box
 - F1 30A
 - F4 60A
 - F5 30A
 - F6 40A
- 31 Junction unit
 - E1 Switch discharge relay
- 33 Ignition switch
- 39 Battery earth
- 40 Battery
- 55 Left facia earth
- 101 Steering column switch unit
- 118 Cigar lighter
- 120 Left front earth
- 145 Engine cooling fan
- 148 Air conditioner/heater unit lighting
- 149 Switch for car interior fan
- 150 Addition resistor for car interior fan
- 151 Car interior fan
- 152 Junction between front lead and air conditioner/heater lead
- 165 Engine cooling fan activation relay
- 185 Double coolant temperature sensor
- 310 Fuse holder base on front cable

Climate control system

2000 range





N.D.

