

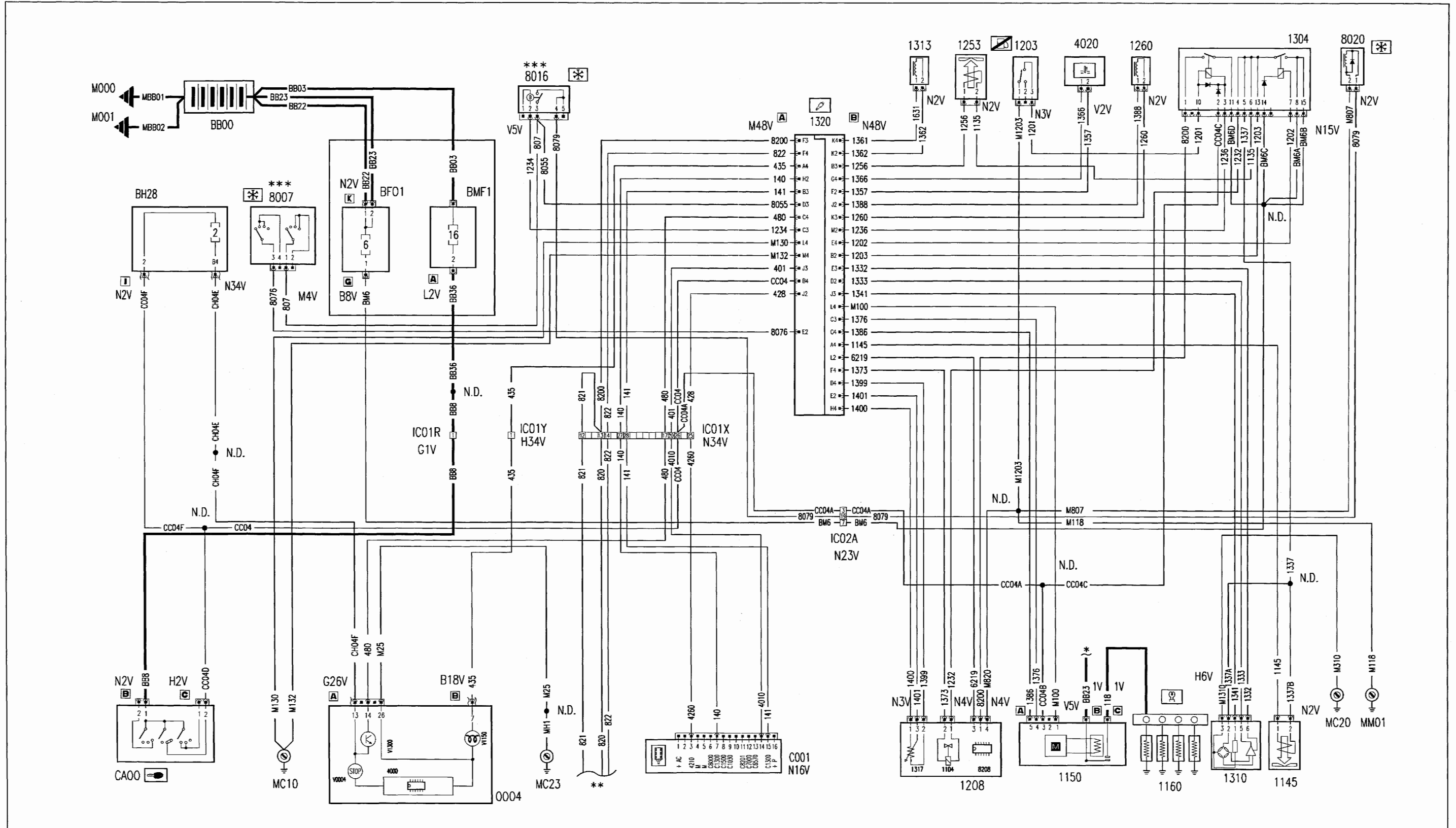
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Electrical symbols

	Warning light		Trip computer control		Differential lock
	Bulb		Electronic injection		Automatic transmission fluid temperature
	Fuse		Engine oil level		Temperature
	Switch open		Brake fluid level (Japanese version)		Anti-theft
	Selector switch		Doors open		Electrically operated windows
	Switch controlled by coil (relay)		Central locking		Earth
	Engine		Controlled damping suspension Sport Function		No. plate lights
	Rearscreen wiper		Transistor		Impulse generator (timer)
	Headlamp washer		Air Bag		Analogue clock
	Windscreen wash/wipe		A.B.S. (Japanese version)		Digital clock
	Rearscreen wash/wipe		Brake failure		Speedometer
	Engine oil pressure		Windscreen wiper		Rev counter

** Variant connections for version with automatic transmission

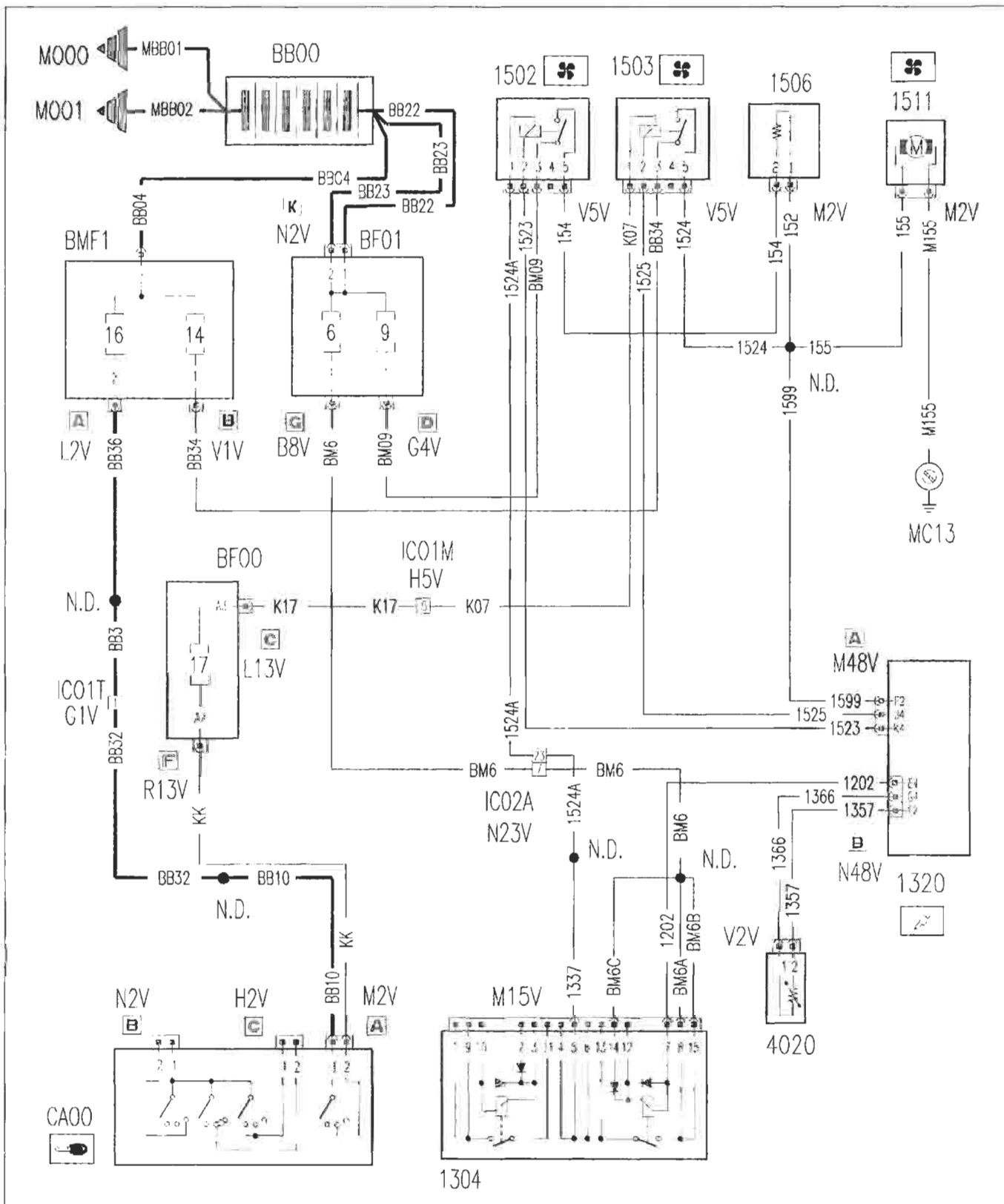
Version with air conditioning
Electronically controlled diesel pump - Heater plugs and warning light - Injection system failure warning light -
(See key at end of wiring diagrams)



* See starting and recharging wiring diagram ** See Fiat CODE wiring diagrams *** See air conditioning wiring diagram

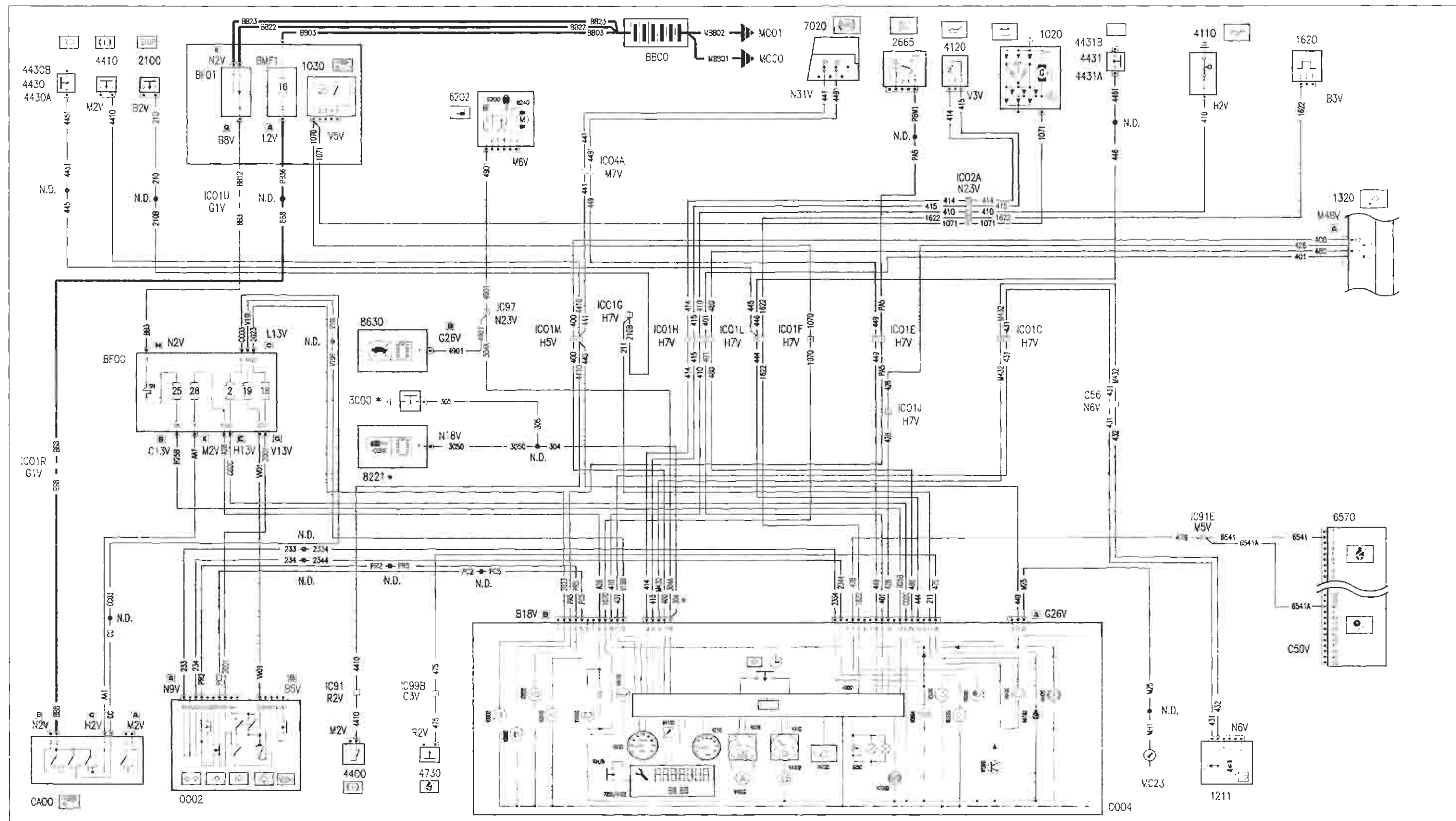
Version without air conditioning

Engine cooling with one fan - (See key at end of wiring diagrams)



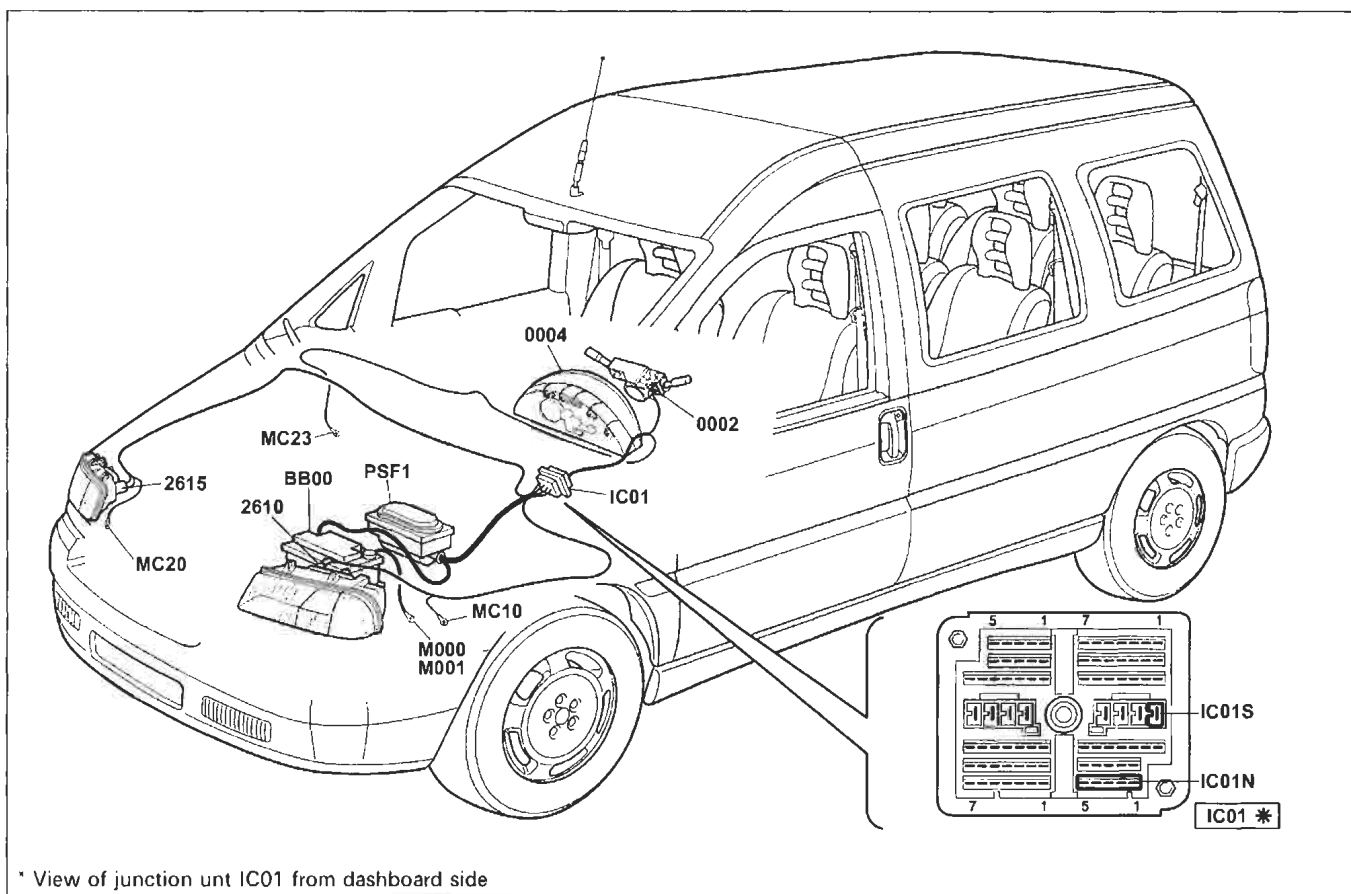
Version: with manual gearbox

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



- * Variant connection for versions without CPH

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4B008GL02

Version: with A.B.S.

Location of components on vehicle – Dipped headlamps – Main beam headlamps

Component key

- BB00 Battery
- PSF1 Junction unit (engine compartment)
- 0002 Steering column switch unit
- 0004 Instrument panel
- V2610 Dipped headlamps warning light
- V2620 Main beam headlamps warning light
- 2610 Left front light cluster
- 2615 Right front light cluster

Key to earths

- MC10 Left front earth
- MC20 Right front earth
- MC23 Right dashboard earth
- M000 Battery earth
- M001 Battery earth

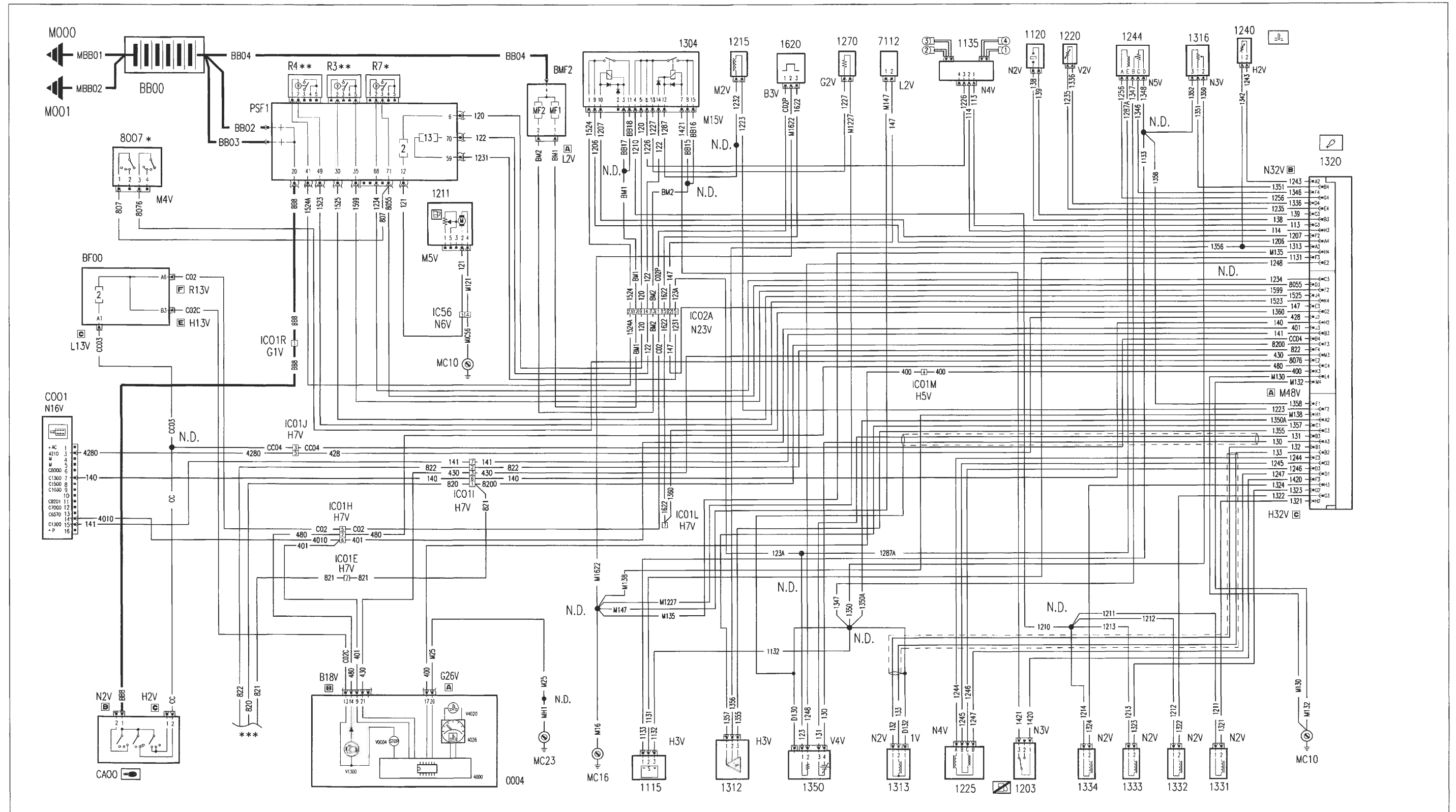
N.A. Ultrasound welding taped in cable loom

Key to connections

- IC01N Connection between main and dashboard cables
- IC01S Connection between main and dashboard cables
- IC01 Interconnection between main and dashboard cables

Version: with A.B.S.

Electronic ignition and injection – Injection system failure warning light – Engine coolant temperature gauge and overheating warning light



* See air conditioning wiring diagram

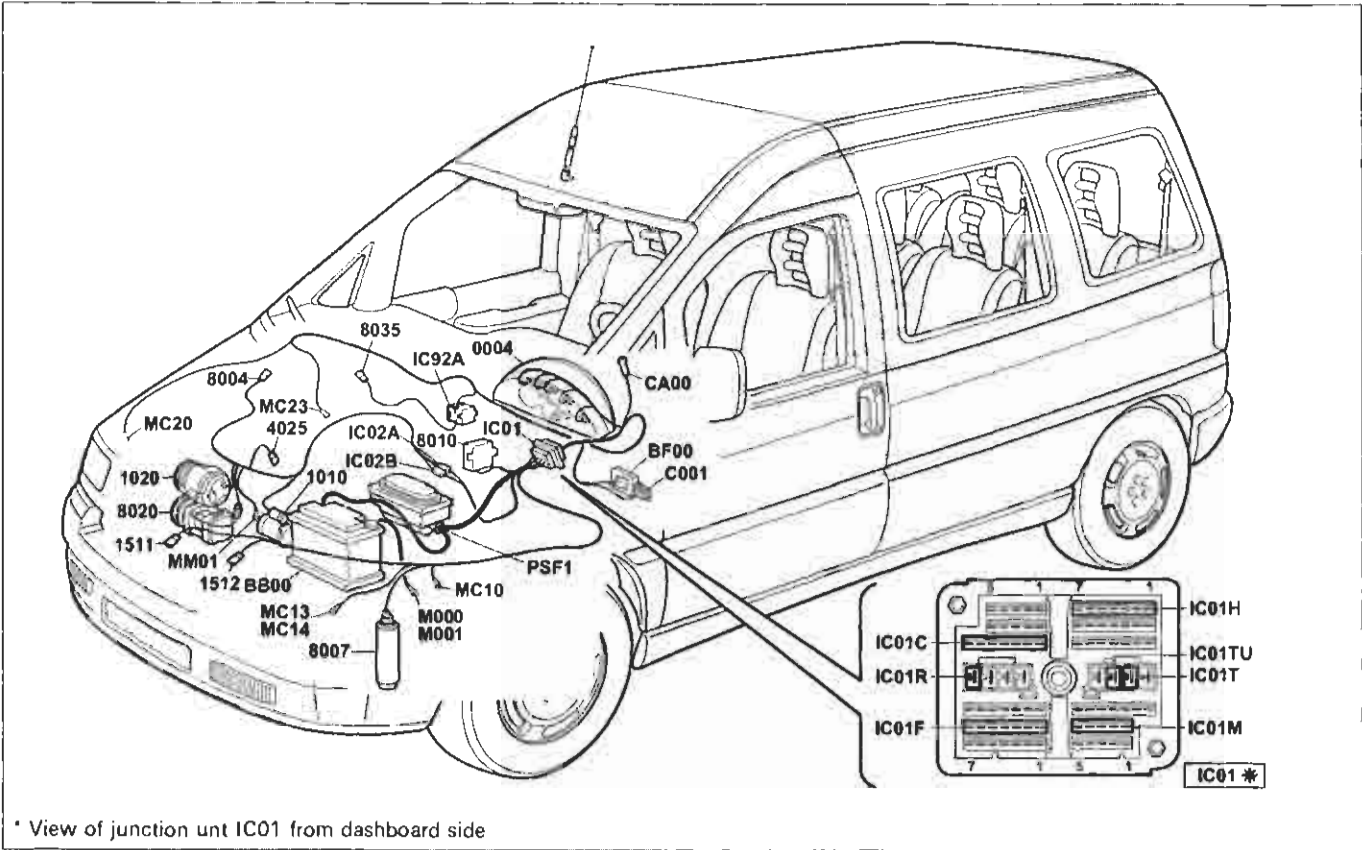
** See engine cooling wiring diagram

*** See FIAT CODE wiring diagrams

Electrical equipment
Component location

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Version: with air conditioning and A.B.S.
Engine cooling with two fans – Engine coolant temperature gauge and overheating warning light



* View of junction unit IC01 from dashboard side

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Location of components on the car.

Component key

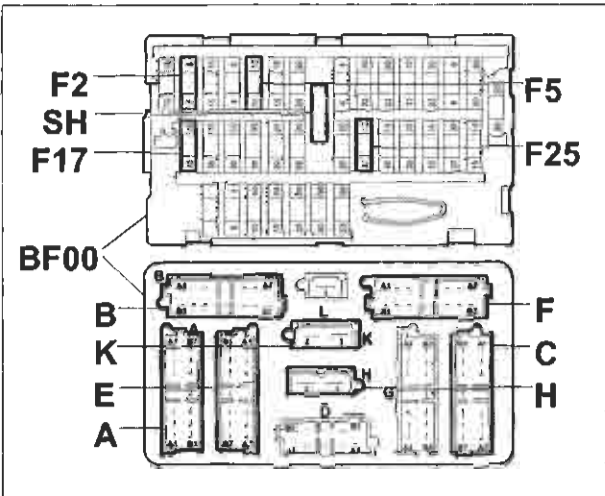
- BB00 Battery
- BF00 Junction unit (vehicle interior)
- CA00 Ignition switch
- PSF1 Junction unit (engine compartment)
 - R1 Switch discharge relay
 - R2 Fan engagement remote control switch (high speed)
 - R3 Fan engagement remote control switch (high speed)
 - R4 Fan engagement relay (low speed)
 - R9 Compressor disengagement remote control switch (from Bitron engine cooling control unit)
- 0004 Instrument panel
 - 4000 Instrument panel electronic control module
 - V4020 Engine coolant overheating warning light
- 1010 Starter motor
- 1020 Alternator
- 1511 Engine cooling fan
- 1512 Engine cooling fan
- 4025 Engine coolant temperature sensor
- 4026 Engine coolant temperature gauge
- 8004 Engine cooling system switch control unit
- 8007 Three stage pressure switch
- 8010 Engine cooling system electronic control unit
- 8020 Compressor
- 8035 Passenger compartment temperature electronic thermostat

Key to connections

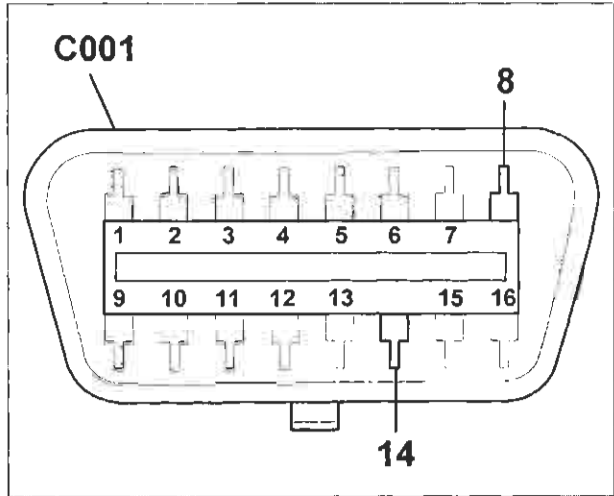
- C001 Diagnostic socket
- IC01C Connection between main and dashboard cables
- IC01F Connection between main and dashboard cables
- IC01H Connection between main and dashboard cables
- IC01M Connection between main and dashboard cables
- IC01R Connection between main and dashboard cables
- IC01T Connection between main and dashboard cables
- IC01U Connection between main and dashboard cables
- IC01 Interconnection between main and dashboard cables
- IC02A Connection between main and engine cables
- IC02B Connection between main and engine cables
- IC92A Connection between dashboard and air conditioning/heater cables

Key to earths

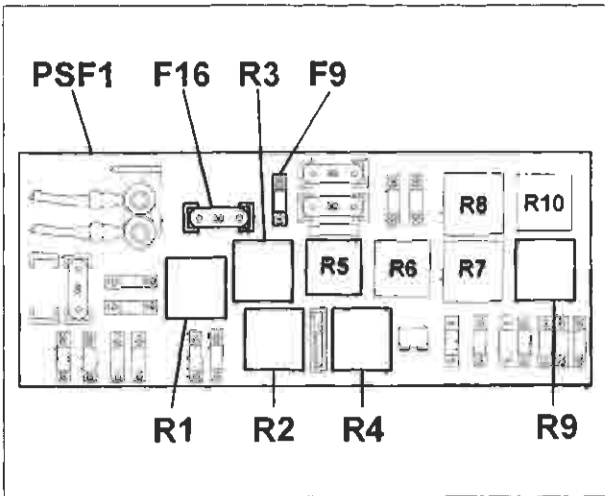
- MC10 Left front earth
- MC13 Left front earth
- MC14 Left front earth
- MC20 Right front earth
- MC23 Right dashboard earth
- MM01 Earth on engine
- M000 Battery earth
- M001 Battery earth
- N.D. Ultrasound welding taped in cable loom



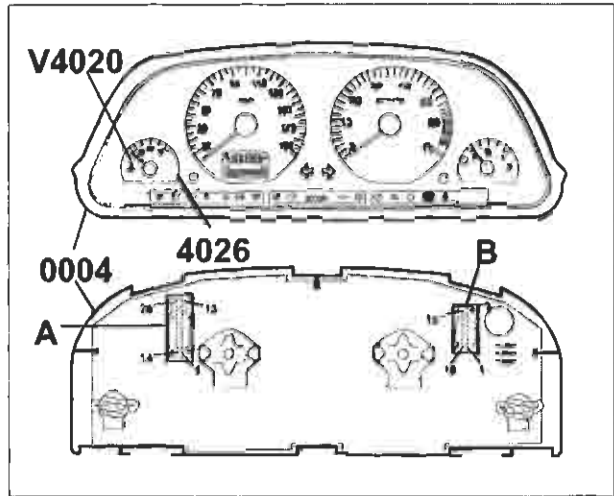
4B159AI01



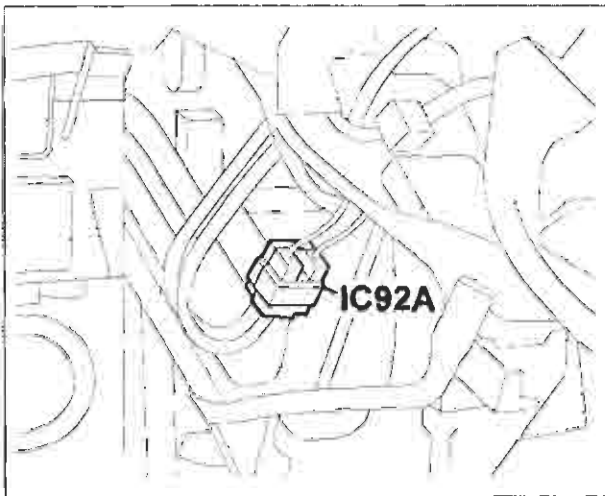
4B147AJ03



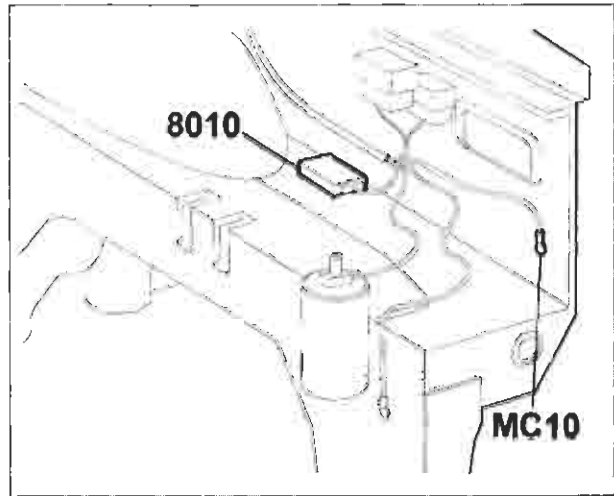
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4B147AJ04

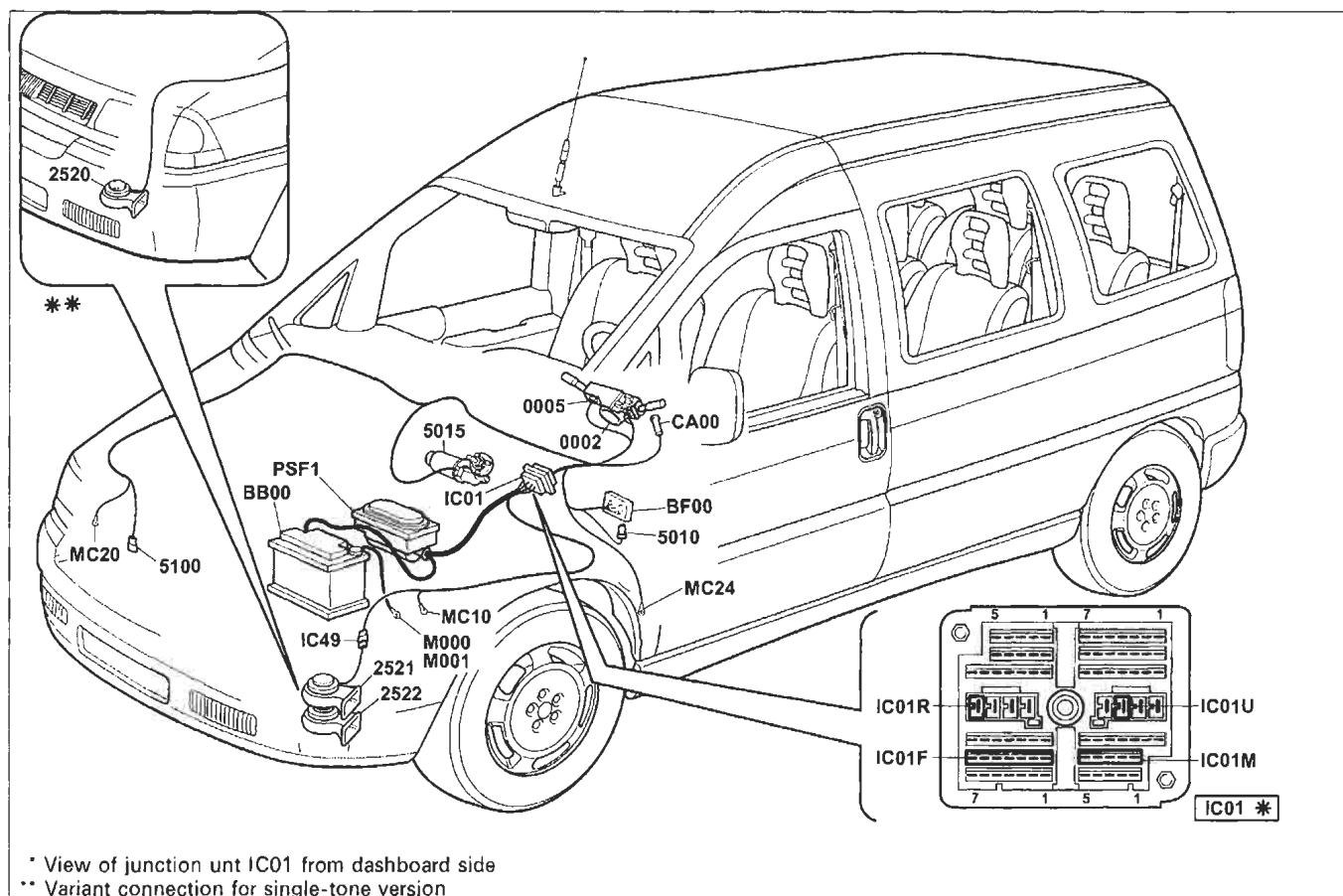


4B147AI05



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4B032GL01

Version: with A.B.S.

Location of components on vehicle – Windscreen wash/wipe – Horn

Component key

- BB00 Battery
- BF00 Junction unit (vehicle interior)
- CA00 Ignition switch
- PSF1 Junction unit (engine compartment)
- 0002 Steering column switch unit
- 0005 Windscreen wiper switch
- 2520 Horn
- 2521 Low tone horn
- 2522 High tone horn
- 5010 Windscreen wiper control unit
- 5015 Windscreen wiper motor
- 5100 Electric windscreen washer pump

- IC01U Connection between main and dash-board cables
- IC01 Interconnection between main and dash-board cables
- IC49 Connection between front and two-tone horn cables

Key to earths

- MC10 Left front earth
- MC20 Right front earth
- MC24 Left dashboard earth
- M000 Battery earth
- M001 Battery earth

N.A. Ultrasound welding taped in cable loom

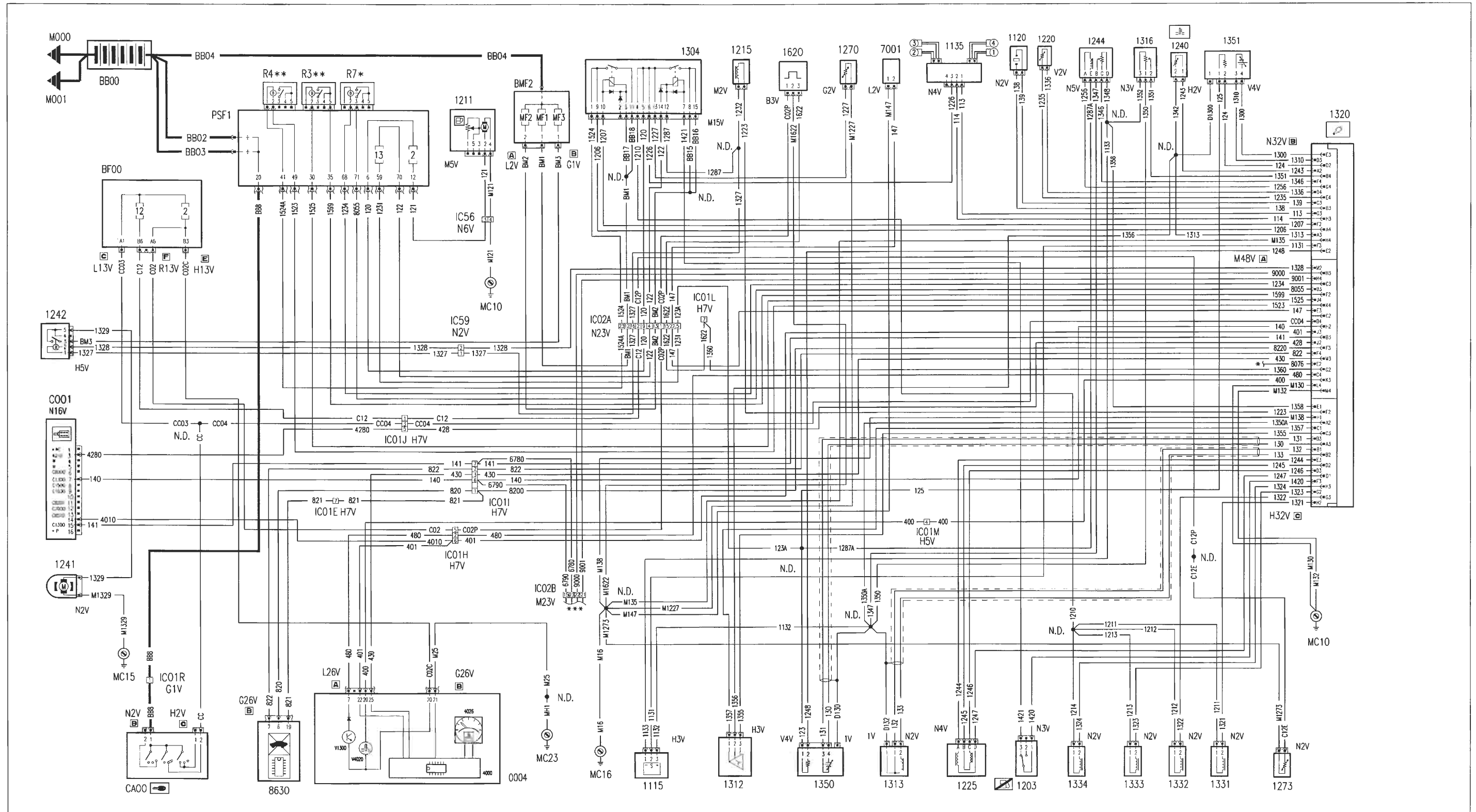
Key to connections

- IC01A Connection between main and dash-board cables
- IC01F Connection between main and dash-board cables
- IC01M Connection between main and dash-board cables
- IC01R Connection between main and dash-board cables

Version: with automatic transmission

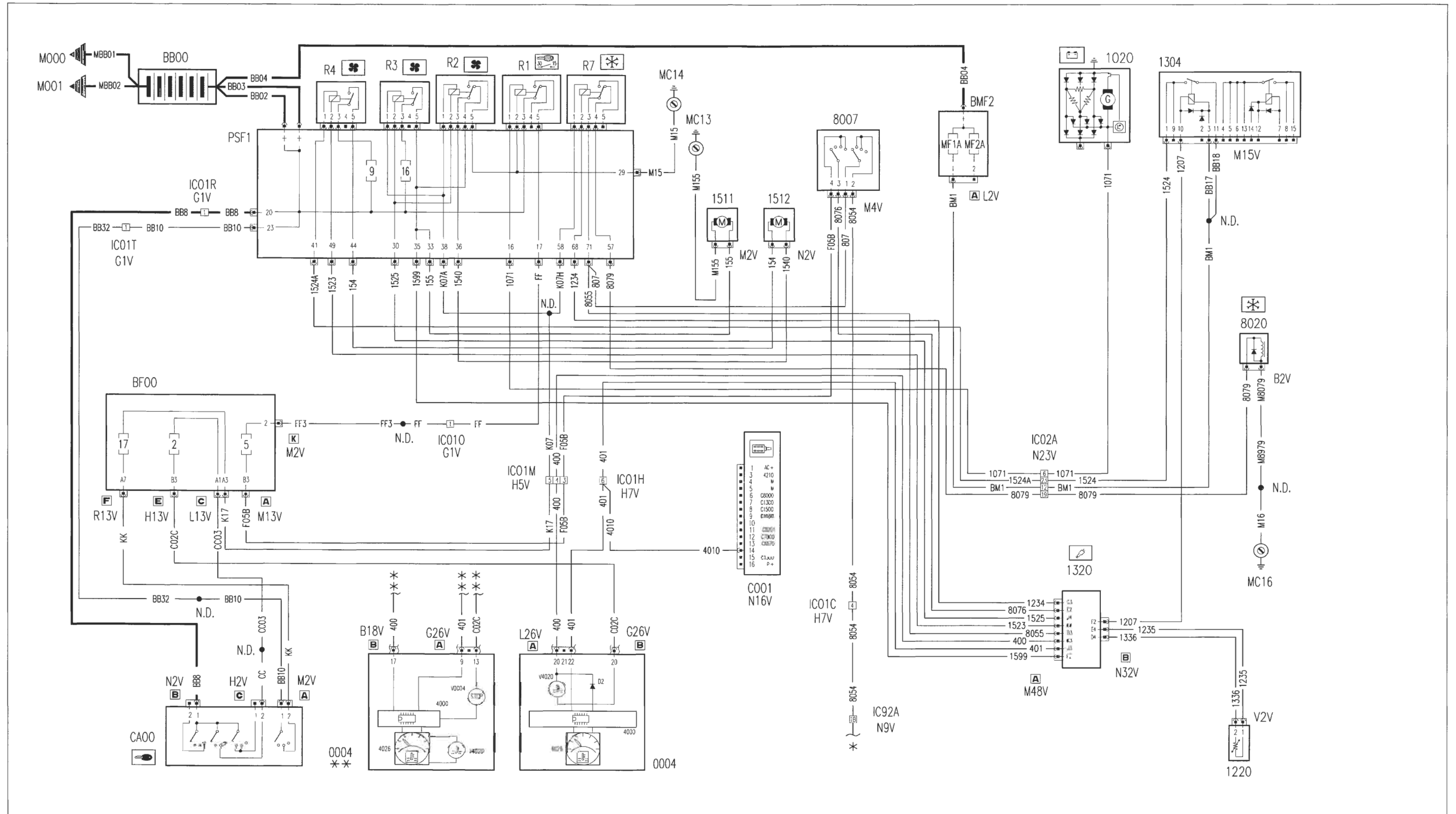
Version: with A.B.S.

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



Version: with air conditioning and A.B.S.

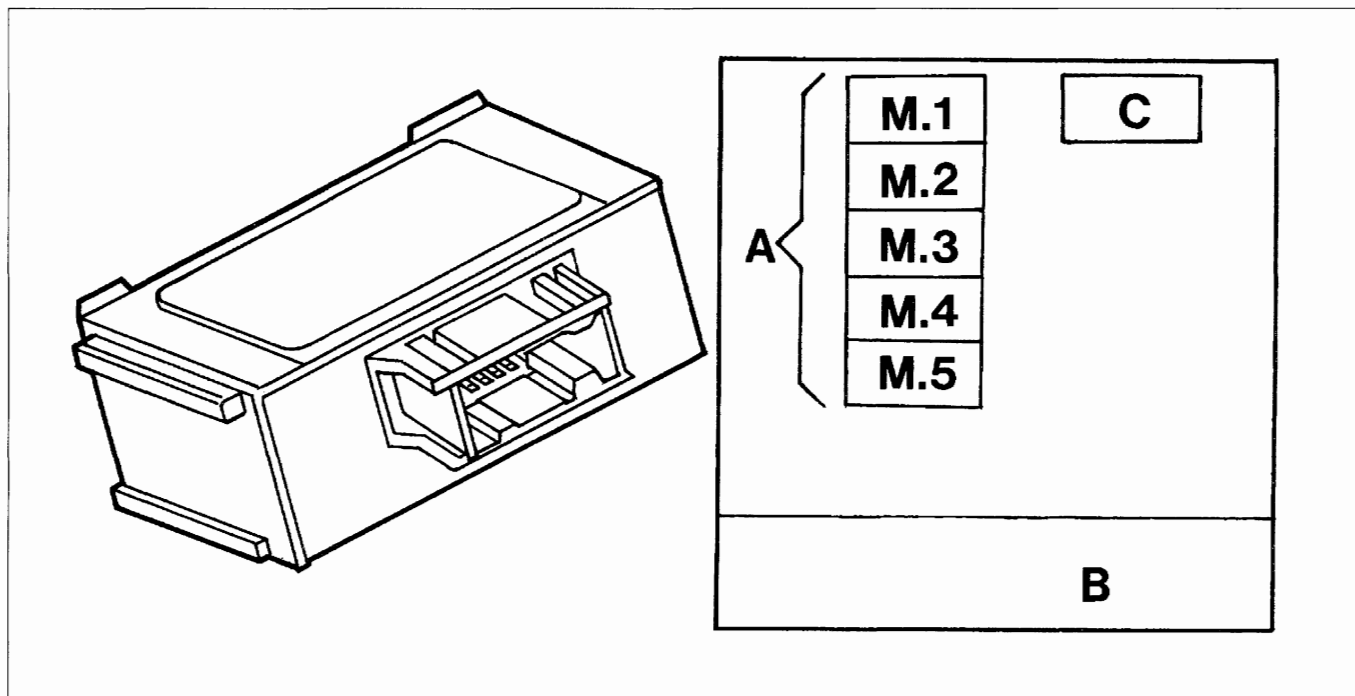
Engine cooling with two fans – Engine coolant temperature gauge and overheating warning light



* See air conditioning wiring diagram

** Variant connection for 1997 16v version with manual gearbox

View of Fiat-CODE control unit



P4B035L01

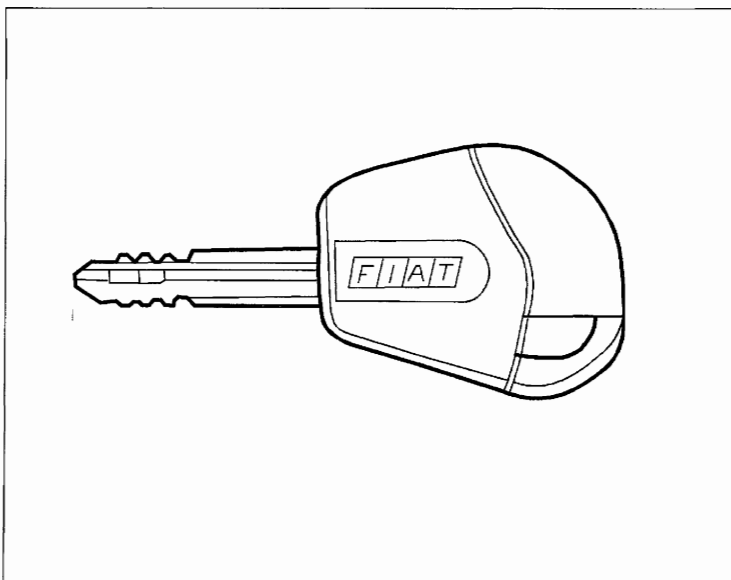
- A. Ignition key transponder code storage area (five).
- B. User card access code storage area
- C. Injection control unit code storage area (fuel pump control unit for diesel versions).

Ignition key

The ignition key contains a transponder.

The Fiat-CODE control unit can store five codes containing a transponder code. Each key has a different transponder code.

NOTE All transponder storage operations can be carried out only by connecting a tester to the appropriate tester socket.



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Ignition key with transponder

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Engine starting go ahead warning light (right hand drive versions)

When the user turns the ignition key to position M (+15), if the transponder code is recognized by the C.P.H. the warning light will go out signalling the go ahead for starting.

If the transponder code is not recognized, then the warning light in the dashboard will start to flash at a frequency of 2.5 Hz.

Engine immobilizer function

The immobilizer order is sent automatically to the injection system control unit by the C.P.H. in the following conditions:

- 5 minutes after the supply (+15) from the ignition switch is interrupted;
- 10 seconds after the driver's front door is opened and the key switched off.

Card containing access code

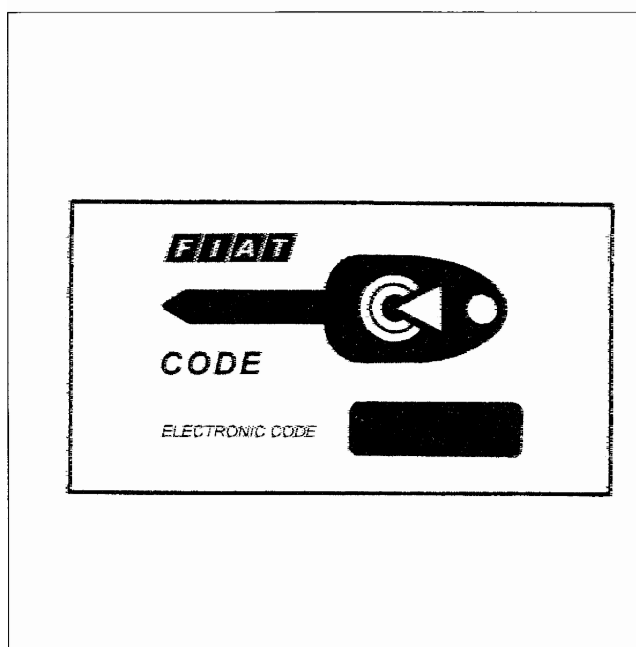
The manufacturer supplies a special card with the vehicle which contains a four digit recognition code.

This code allows access to the passenger compartment protection control unit memory (C.P.H.). The code is vital for carrying out any sort of diagnostic operation. As a result, the card must be looked after very carefully.

The manufacturer has a record of each chassis no. and its specific code.

If the card containing the C.P.H. memory access code is mislaid, the owner of the vehicle must contact a Fiat authorized workshop or dealership with proof of ownership and the registration document which contains the vehicle chassis number.

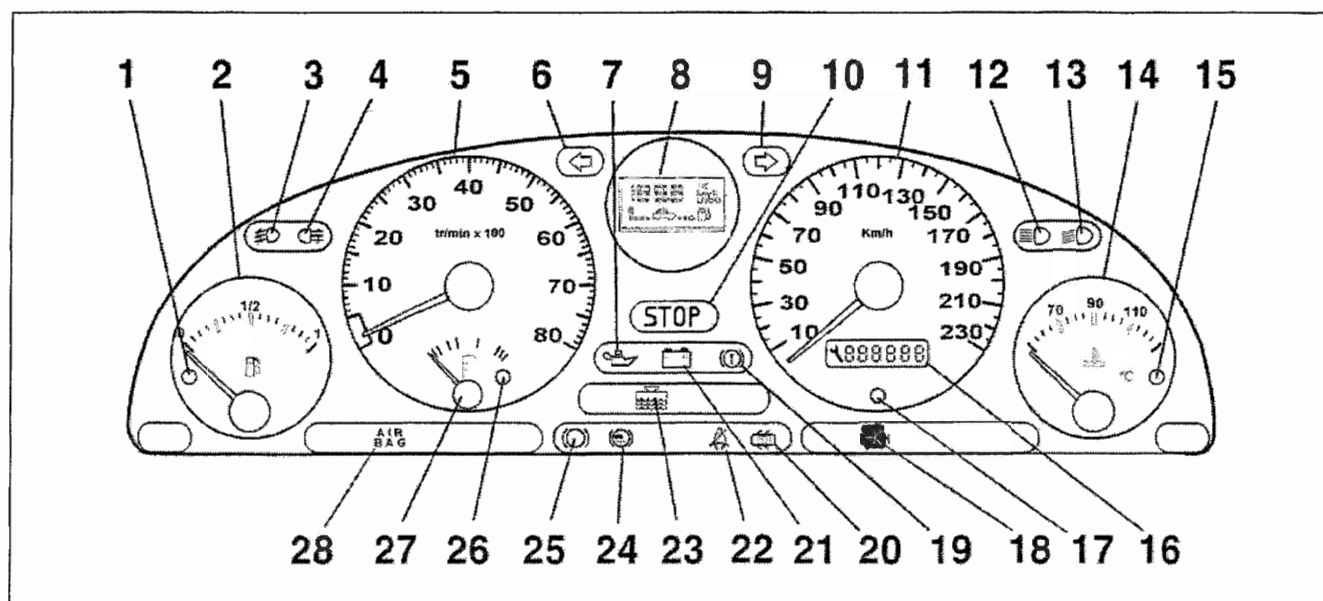
Using the latter, the dealership will contact the manufacturer, who will consult their records detailing which access code goes with which chassis number for the vehicles produced on the assembly line.



NOTE *The code on the card is covered by a layer of paint which ensures secrecy and can be removed.*

4B068L01

VERSION WITH DE LUXE INSTRUMENT PANEL
FRONT VIEW



4B_11_13

KEY

1. Fuel reserve warning light (yellow) (V4300)
2. Fuel gauge (4310)
3. Fog lights warning light (yellow) (V2660)
4. Rear fog lamps warning light (yellow) (V2000)
5. Rev counter (4210)
6. Left direction indicator warning light (green) (V2320)
7. Insufficient engine oil pressure warning light (red) (V4110)
8. Outside temperature display/trip computer
9. Right direction indicator warning light (green) (V2330)
10. General failure warning light (red) (V0004)
11. Speedometer (4630)
12. Main beam headlamps warning light (blue) (V2620)
13. Dipped headlamps warning light (green) (V2610)
14. Engine coolant temperature gauge (4026)
15. Engine coolant overheating warning light (red) (V4020)
16. Service indicator, trip meter/milometer, clock
17. Service indicator/trip meter zeroing adjustment button
18. Injection system failure warning light (yellow) (V1300)
19. Handbrake applied and brake fluid level warning light (red) (V4420)
20. Doors ajar warning light (red) (V4700)
21. Battery recharging warning light (red) (V1000)
22. Seat belt not fastened warning light (red) (V4730)
23. Insufficient engine coolant warning light (red) (V4010)
24. ABS anti-lock brakes circuit failure warning light (V7000)
25. Brake pad wear warning light (yellow) (V4430)
26. Insufficient engine oil level warning light (V4120)
27. Engine oil level gauge (4102)
28. Air Bag system failure warning light (yellow) (V6560)

SAFETY INSTRUCTIONS TO BE FOLLOWED WHEN WORKING ON VEHICLES EQUIPPED WITH AIR BAG SYSTEMS

Operations on vehicle

Several rules which **MUST BE FOLLOWED** when carrying out any operations on vehicles equipped with Air Bags are listed below.

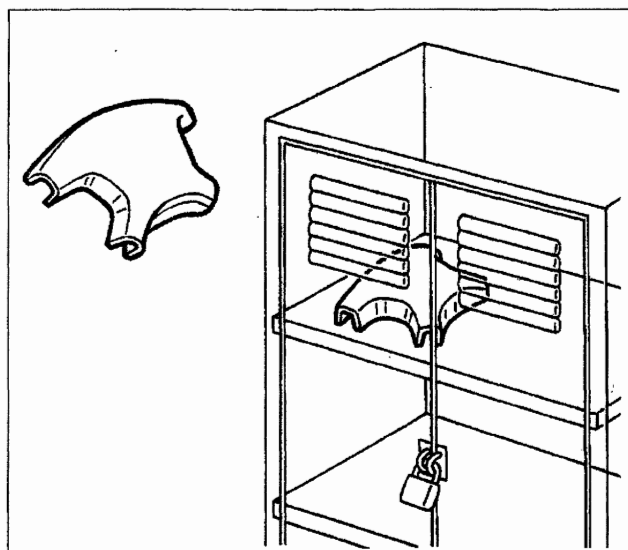
Preliminary rules



It should be remembered that Air Bag modules must be handled with care. Their use, transportation and storage are regulated by the procedures for handling these components illustrated below.

Before carrying out any repairs to the bodywork, welding operations or operations which require the Air Bag modules or the control unit to be removed, it is necessary to:

- turn the ignition key OFF and remove it;
- always disconnect the battery poles and insulate them;
- disconnect the electrical connection for the Air Bag control unit at least 10 minutes after having disconnected the battery.



P3S07CL01

Place the device, with the cover upwards, in a lockable, metal cupboard. This cupboard should be designed exclusively for this purpose and should not, under any circumstances, be used for storing other types of materials, especially flammable ones. The cupboard should be equipped to house pyrotechnic charges (impact resistant metal cupboard with grilles to allow natural ventilation) and it should be marked in accordance with the prevailing laws (DANGER EXPLOSIVES - NO NAKED FLAMES - NOT TO BE OPENED BY UNAUTHORIZED PERSONS).

All the connectors used and wired at the Air Bag modules contain a short circuit clip inside. Until the Air Bag modules are connected to a suitable energy source, there is no possibility of accidental activation.



It is forbidden to take continuity measurements of the system components before the modules have been replaced with specific simulation resistances.