

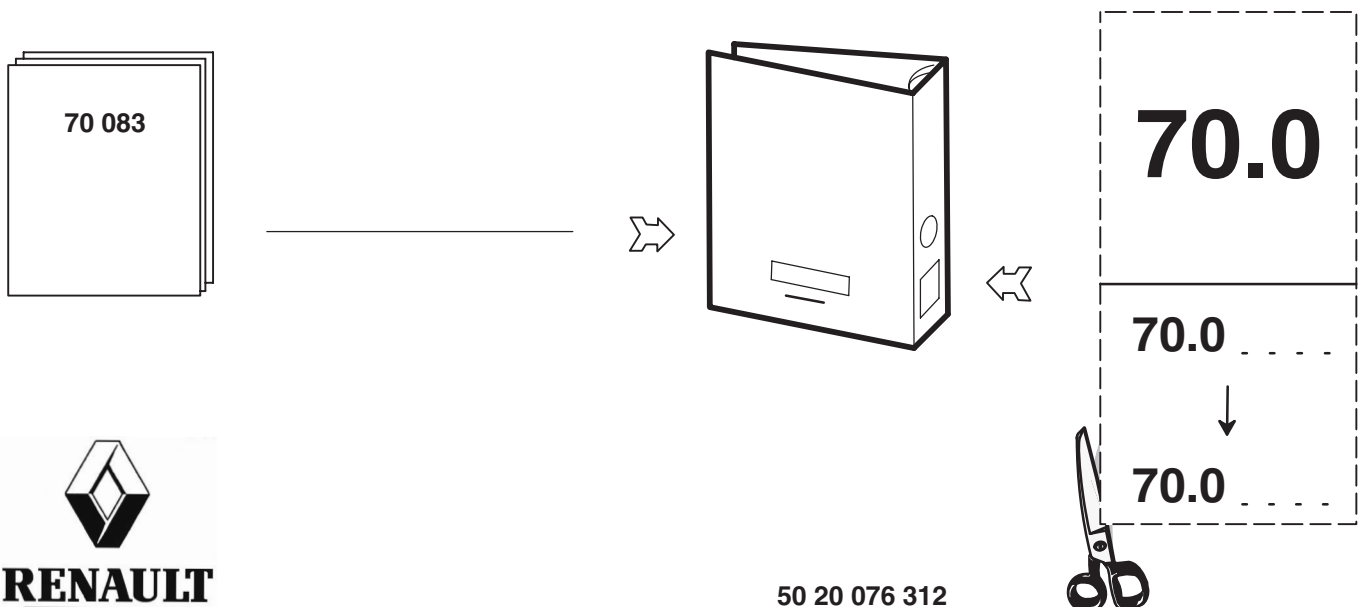
70 083 – AN – 09.1998

ELECTRICS

ELECTRICS	VEHICLES
ELECTRICAL EQUIPMENT	KERAX

NOTE

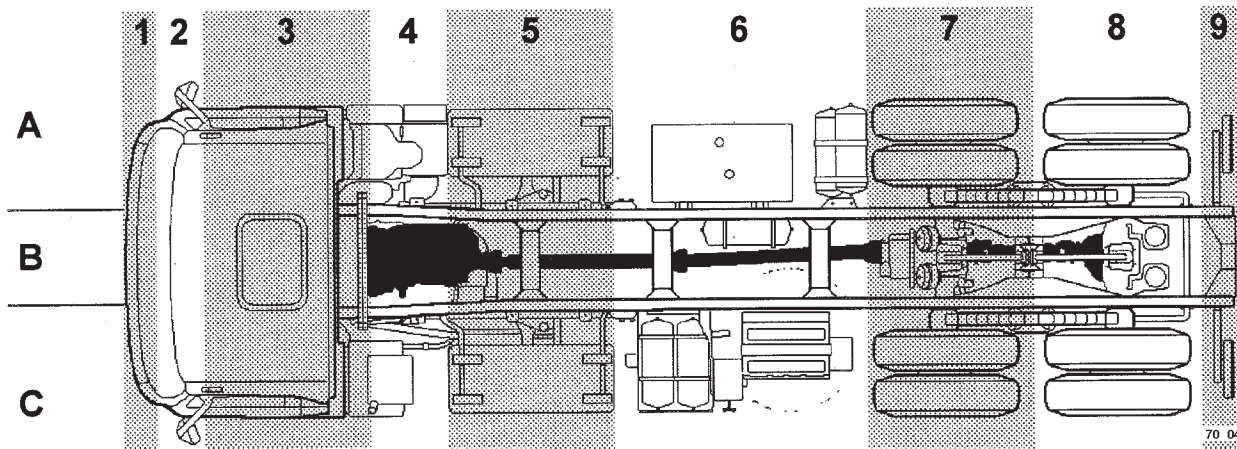
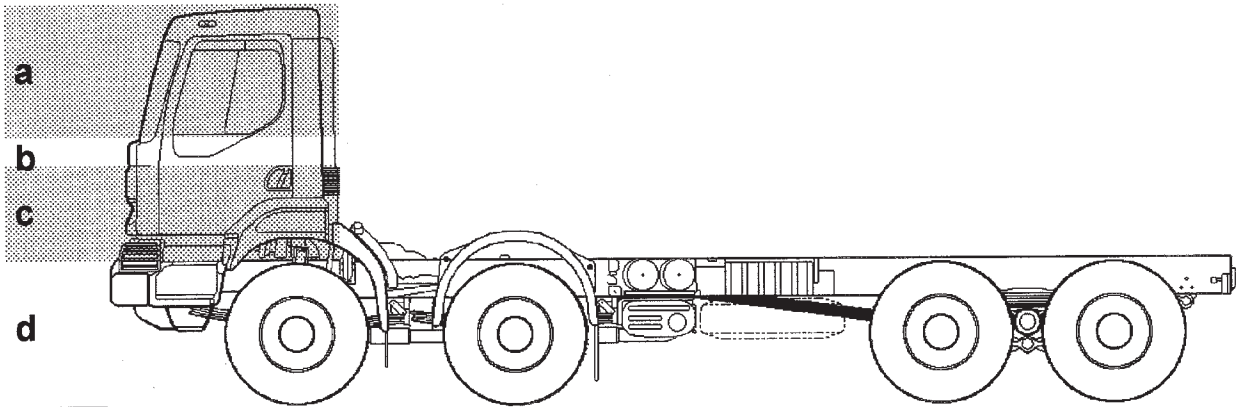
The above information may change in the course of time.
 Only the "Consult" section of the workshop manuals repertory in standard N° 10320 serves as reference.



CONTENTS

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GENERALITIES



70 0415

COLOURS / FIGURES EQUIVALENCE

BLACK	(N)	= 0
BROWN	(M)	= 1
RED	(R)	= 2
ORANGE	(Or)	= 3
YELLOW	(J)	= 4
GREEN	(Ve)	= 5
BLUE	(Bu)	= 6
PURPLE	(Vi)	= 7
GREY	(G)	= 8
WHITE	(Bc)	= 9

Identification examples:

1	Brown	(M)
11	Brown / Brown	(MM)
11C	Brown / Brown	(MM)

NOTE

In the alphanumeric system, the letter following the figure is a connection index.

CROSS-SECTION AND COLOUR OF CABLES

	75 mm ²
	60 mm ²
	50 mm ²
	25 mm ²
	16 mm ²
	10 mm ² - Ivory
	7 mm ² - Pink
	5 mm ² - Ivory
	3 mm ² - Pink
	2 mm ² - Grey
	1 mm ² - Green
	0.6 mm ² - Grey
	0.35 mm ² - Orange

VEHICLE VOLUMINAL BREAKDOWN

The vehicle is broken down into several zones each designated by an item number.

Heightwise breakdown

Reserved for the cab, four zones designated by a small letter.

Widthwise breakdown

Three zones designated by a capital letter.

- A** : RH side and RH sidemember,
- B** : central part,
- C** : LH side and LH sidemember.

Lengthwise breakdown

Nine zones designated by a figure.

Zone 1 includes:

- on the chassis, the bumper and the appliances it supports.
- on the cab, the front end elements with access through the front grille.

Example :

A1 : RH bumper (headlamps...)

C3 : LH front roadwheels (ABS sensor)

C2b : LH fascia panel

A3c : passenger seat

HOW TO READ THE DIAGRAMS

The diagram comprises several plates numbered on the bottom right.

Each plate is divided horizontally into zones.

A wire connecting appliances located on different plates includes a liaison address.

Example: B2 = see zone B, plate 2.

PRE-EQUIPMENT

Circuits represented with dotted lines indicate a connection solution or an optional assembly.

PINPOINTING OF APPLIANCES

A "Pinpointing of Appliances" booklet situates each on-vehicle electrical appliance (on chassis, in cab and on major unit).

NOTE

Each appliance may be pinpointed:

- In the electrical diagram by the voluminal breakdown.
- On the vehicle in the "Pinpointing of Appliances" booklet. Such localization refers to the plate.

PINPOINTING EXAMPLES

In the "Electrical diagram" booklet:

2111 – Battery (set of batteries) C4d

2111: Appliance reference

Battery (set of batteries): key to appliance

C4d: Pinpointing of appliance after voluminal breakdown (see page A2).

In the "Electrical diagram" booklet:

9203 – "ITC" ECU E14

9203: Appliance reference

"ITC" ECU: key to appliance

E14: Pinpointing of appliance in electrical diagram (plate 14, zone E).

Such localization also applies for fuses, relays and diodes.

CONNECTION UNIT

The connection unit provides the electrical link between chassis and cab.

Each face of the unit is detailed in the "Connection unit" booklet.

Interface connector

This type of connector makes a direct link between two faces of the connection unit.

Example:

D / C interface connector

C 918 / C 815: The reference N5 in italics corresponds to the face C connector.

Wire – connector links

A table links each wire to its connectors. The section and terminal number of each connector are specified.

The wire numbers are classified numerically.

Example: Wire **51** = section **1**, connector **821**: terminal **3** and connector **906**: terminal **B1**.

WIRING HARNESSES

Each plate represents the routing of one or several wiring harnesses connected to a sub-assembly or function. The outline of the vehicle pinpoints the wiring harnesses.

Connectors identified by the letter **C** followed by 3 figures are indicated on each harness.

A key opposite each plate defines their assignment.

On the back of the key are given details of connectors linked to the harnesses of the plate.

Key to connectors

C129 4618 – Driver's overhead lamp

C129 : connector item number

4618 : appliance reference number

Driver's overhead lamp : key to the appliance

The appliance reference number and key provide the link to the electrical diagram.

Optional wiring harnesses

Connectors assigned with indexes ***1** or ***2** belong to optional harnesses.

Example of connector reference number

C129 : connector on standard harness

C137*1 : connector on option 1 harness

C141*2 : connector on option 2 harness

At the end of the key is shown the make-up of each optional harness.

Links between wiring harnesses

Some harnesses are joined together by link-up connectors. These are indicated at the end of the key.

Example :

C476*1 → *C477*1 (Gb14)*

Connector **C476*1** on plate Ga2 is linked to connector **C477*1** on plate Gb14.

Detail of connectors

Each drawing represents the structure of a connector.

Example:

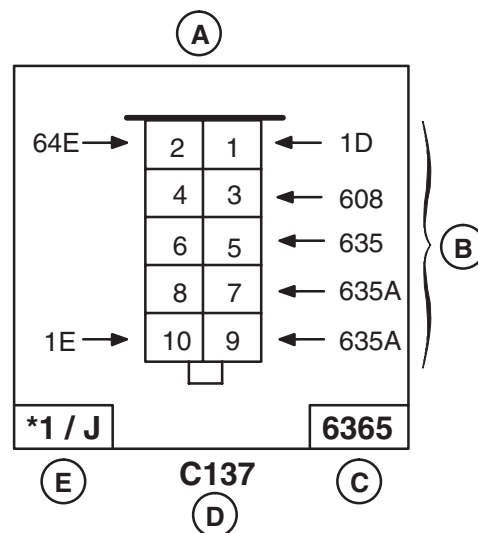
A: outline of the connector

B: item number and location of the wires

C: reference number of the appliance

D: item number of the connector

E: option or colour of the connector



SCHEMATIC DIAGRAMS

KEY TO DIAGRAM

PLATE 1

POWER SUPPLY / STARTING

PLATE 2

POWER SUPPLY / STARTING / PREHEATING

PLATE 3

AVAILABLE POWER SUPPLY / TRAILER SOCKETS

PLATE 4

LIGHTING

PLATE 5

SIGNALLING

PLATE 6

ENGINE MONITORING / WINDSCREEN / HEADLAMPS WIPE/WASH CONTROL

PLATE 7

PRINCIPAL DISPLAY

PLATE 8

SECONDARY DISPLAY

PLATE 9

PRINCIPAL DISPLAY WARNING LIGHTS MODULE

PLATE 10

VEHICLE SPEED

PLATE 11

VEHICLE SPEED

PLATE 12

CAB LIGHTING

PLATE 13

CAB COMFORT

KEY TO DIAGRAM

PLATE 14

CAB COMFORT

PLATE 15

CAB COMFORT

PLATE 16

ELECTRONIC INJECTION TIMING CONTROL

PLATE 17

ADR (HAZARDOUS SUBSTANCES) EQUIPMENT

PLATE 18

ABS / ASR EQUIPMENT

VEHICLE "4x2 – 6x4 – 8x4"

PLATE 19

ABS / ASR EQUIPMENT

VEHICLE "4x4 – 6x6"

PLATE 20

AIR CONDITIONING

PLATE 21

INDEPENDENT HEATING "D1LCC"

PLATE 22

INDEPENDENT HEATING "D1LCC"

PLATE 1**POWER SUPPLY / STARTING**

2111 – Battery (set of batteries)	C6d
2121 – After ignition power supply relay	A2b
2165 – Master switch	C6d
2211 – Starter	B3d
2212 – Starting relay	C6d
2261 – Steering lock and starting control	C2b
7115 – Hourmeter	A3c
8216 – Engine oil pressure alert warning lamp	C2b
8227 – Engine oil pressure relay	A2b
8267 – Oil pressure alert pressure switch	B3c
8466 – Neutral switch	B4d

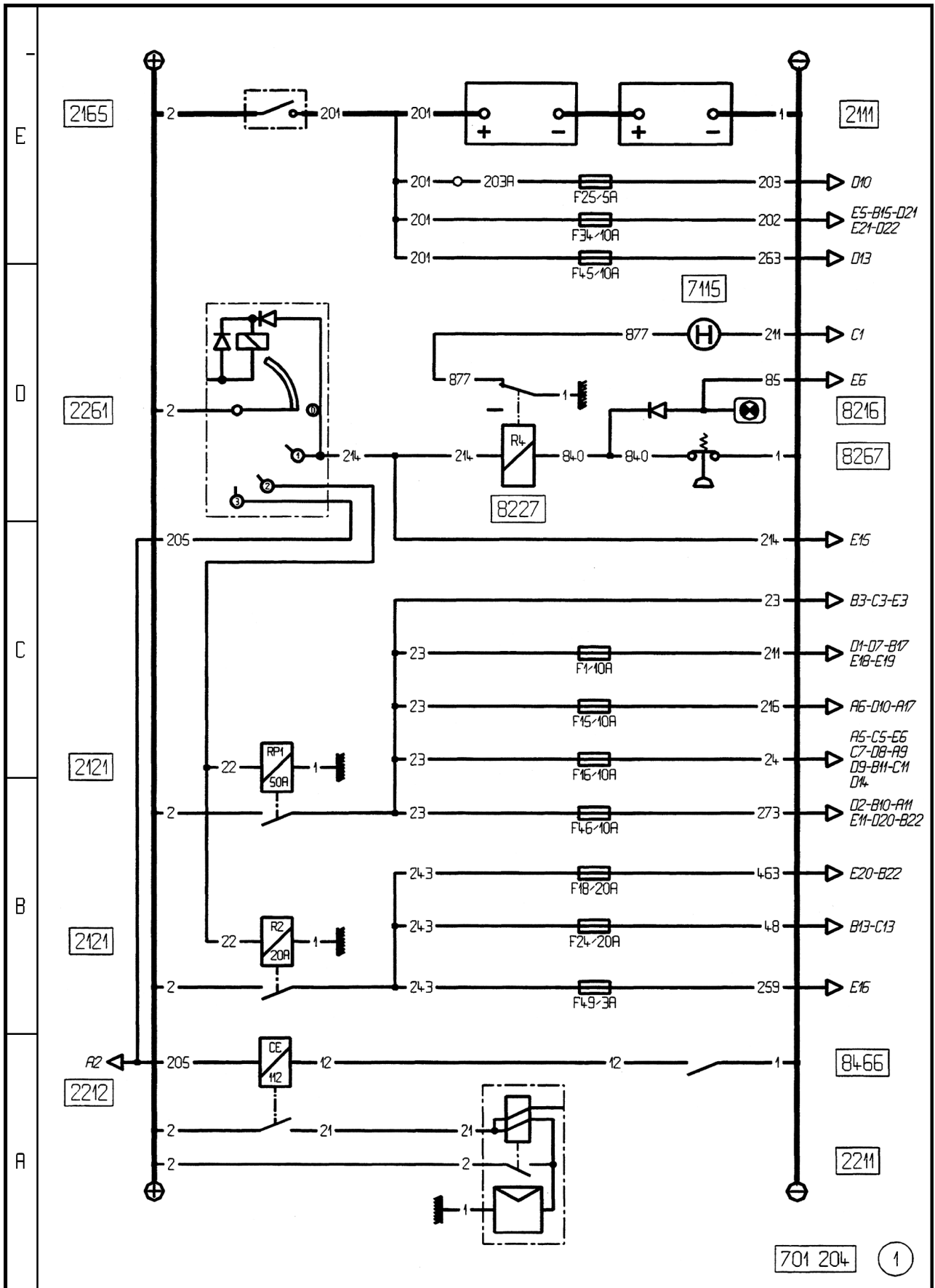


PLATE 2**POWER SUPPLY / STARTING / PREHEATING**

2217 – Anti-starting relay	B2c
2261 – Steering lock and starting control	C2b
2311 – Alternator	B2c
2314 – Battery charge warning lamp	C2b
2411 – Preheat plugs	C2c
2414 – Preheating relay	C6d
2418 – Preheating warning lamp	B2b
2419 – Fuel preheater warning lamp	B2b
2422 – Fuel preheater relay	A2b
2423 – Renault V.I. fuel preheater	B3c
2461 – Engine preheating control	B2b
2464 – Fuel preheater thermal switch	B3c
2465 – Fuel preheater control	B2b
7111 – Engine rev. counter	C2b
8213 – Engine stop electrovalve	B3c

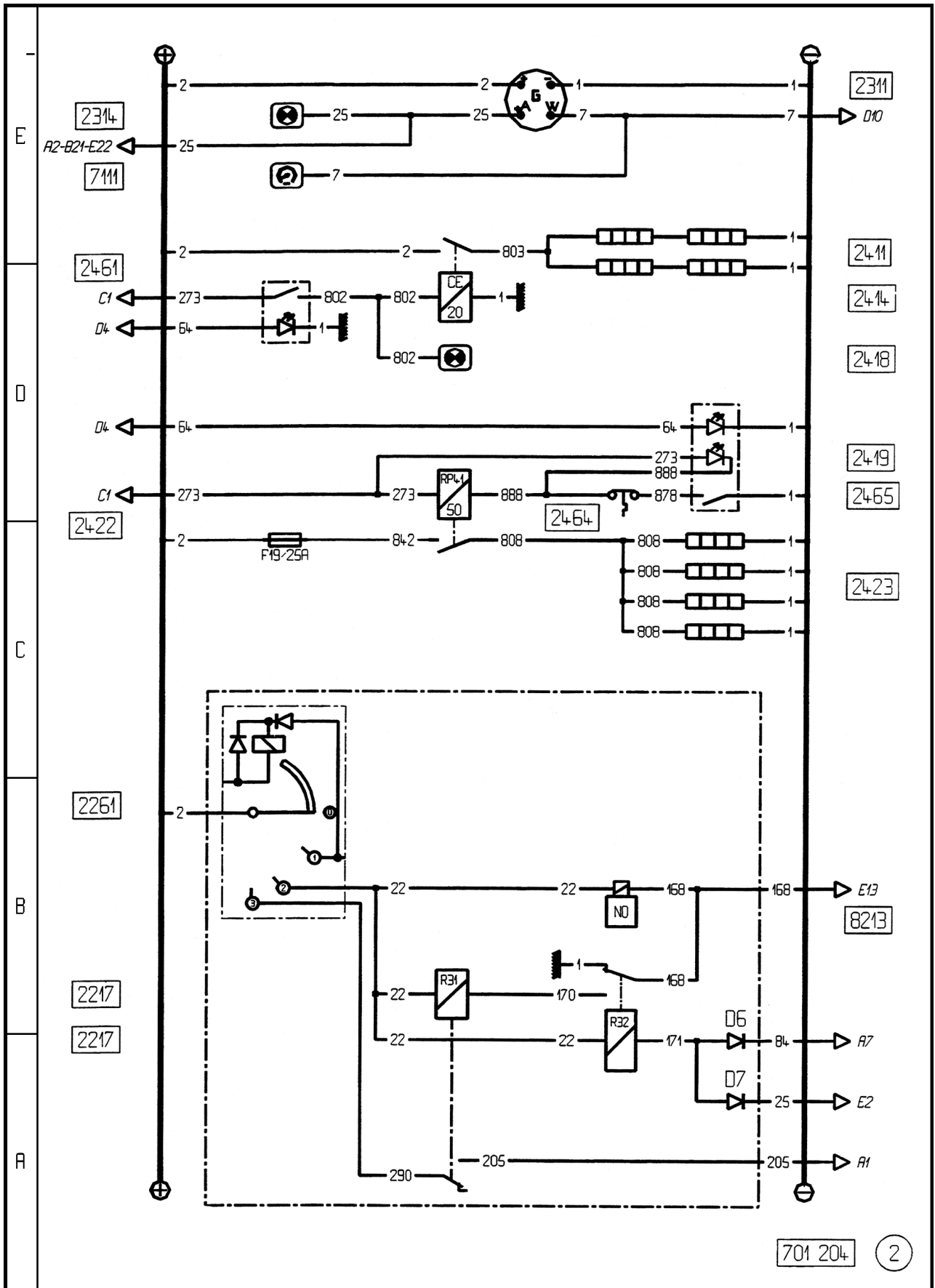


PLATE 3**AVAILABLE POWER SUPPLY / TRAILER SOCKETS**

1121 – Not allocated	–
1125 – Chassis electrical box	B9d
1220 – Cab top ledge	C2a
1228 – Battery tray	C6d
1229 – Chassis–cab connection unit	A2c
1621 – Earth	–
2113 – Trailer socket, 7–pin type 24 N	B4c/B9d
2114 – Trailer socket, 7–pin type 24 P	B4c/B9d
2115 – Trailer socket, 7–pin type 24 S	B4c/B9d
2116 – Trailer socket, 7–pin type "EBS"	B4c/B9d
2122 – Trailer + 24 Volts power supply	B4c/B9d
2141 – Available power supply (lighting)	B9d/C2a/C6d
2142 – Available power supply (after ignition)	A2c/C6d
2146 – Available power supply (earth)	A2c/B9d/C2a/C6d
2147 – Available power supply (after master switch)	A1c/C6d
2159 – Available power supply (Tipper tipped "Alert" warning light)	A2c
3313 – Trailer RH flashing lamps	B9d
3314 – Trailer LH flashing lamps	B9d
3515 – Trailer fog lights	B9d
3522 – Trailer stop lamp	B9d
3523 – Trailer stop lights (exhaust retarder)	B9d
3634 – Trailer marker lights	B9d
3727 – Trailer RH side/parking lamp	B9d
3728 – Trailer LH side/parking lamp	B9d
5511 – Gate valves illumination	B4c/B9d
6326 – Trailer reversing lamp	B9d
7519 – Diagnostics socket	C3c
8013 – Trailer ABS safety warning lamp	B2b/C2b
8547 – Tipper tipped "Alert" warning lamp	B2b

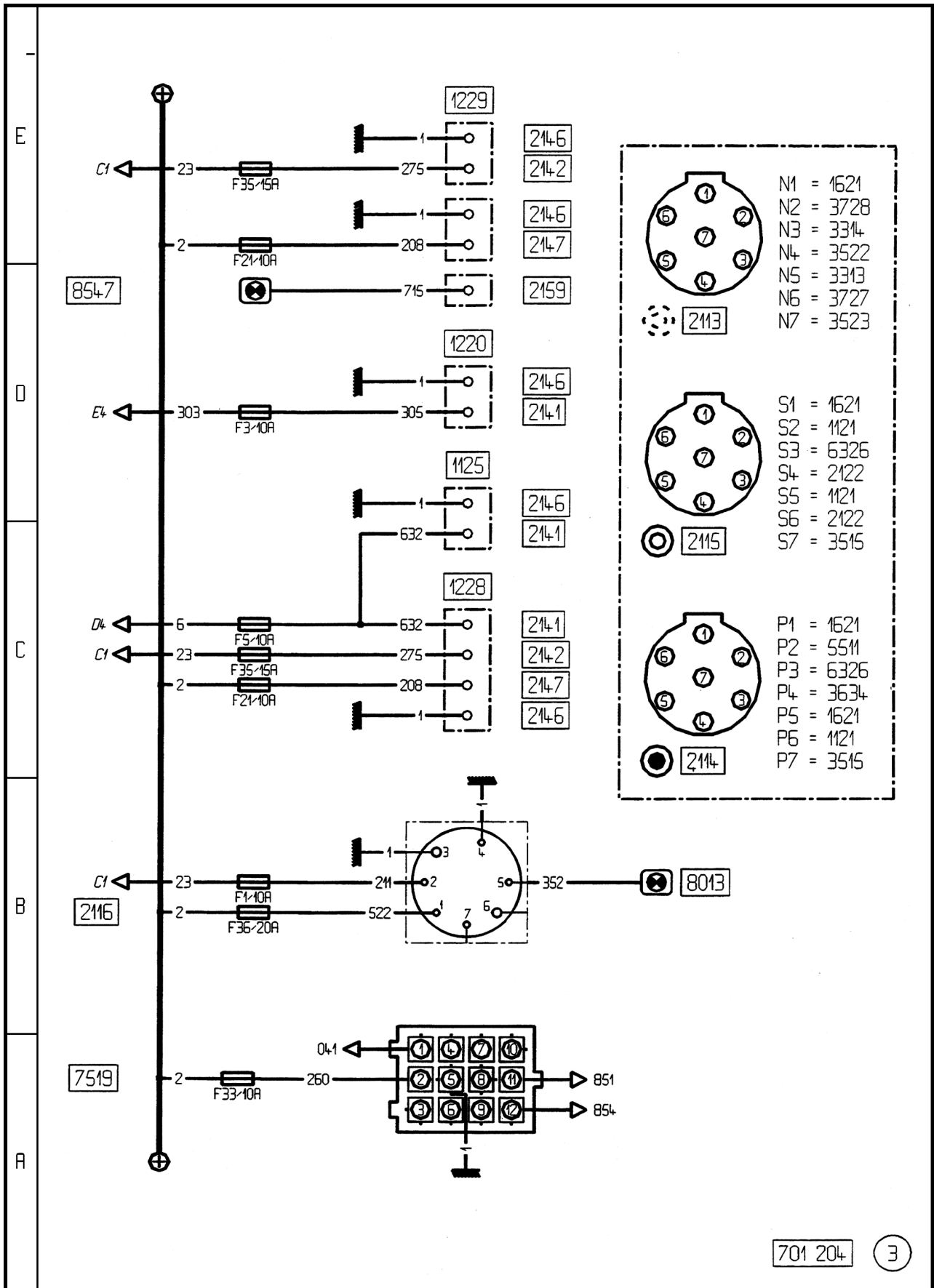


PLATE 4

LIGHTING

3511 – Fog light(s)	A9d / C9d
3513 – Fog light(s) relay	A2b
3515 – Trailer fog lights	B9d
3517 – Fog light(s) warning lamp	B2b
3561 – Fog light(s) control	B2b
3611 – RH front marker lamp	A3a
3612 – LH front marker lamp	C3a
3613 – RH front side/parking lamp	A1c
3614 – LH front side/parking lamp	C1c
3618 – Side/parking lights relay	A2b
3621 – Side/parking lights warning lamp	C2b
3634 – Trailer marker lights	B9d
3662 – Lighting relay	A2b
3714 – LH rear marker lamp	C9d
3715 – RH rear marker lamp	A9d
3716 – LH central marker lamp	C5d/C6d
3717 – RH central marker lamp	A5d/A6d
3725 – RH rear side/parking lamp	A9d
3726 – LH rear side/parking lamp	C9d
3727 – Trailer RH side/parking lamp	B9d
3728 – Trailer LH side/parking lamp	B9d
6111 – RH dipped beam headlamp	A1c
6112 – LH dipped beam headlamp	C1c
6113 – RH main beam headlamp	A1c
6114 – LH main beam headlamp	C1c
6119 – Dipped beam headlights relay	A2b
6121 – Main beam headlights relay	A2b
6123 – Main beam headlights warning lamp	C2b
6130 – Lighting switch	C2b
A – Parking/side lights	
B – Dipped beam headlights	
C – Main beam headlights	
D – Flashing headlights	
E – Horn	
F – Direction indicator	
G – Fog driving lamps	
H – Fog rear lamps	
6132 – Dipped beam headlights warning lamp	C2b
6211 – LH fog driving lamp	C1d
6212 – RH fog driving lamp	A1d
6214 – Fog driving lights relay	A2b
6215 – Long range driving lights relay	A2b
6216 – Long range driving lights warning lamp	B2b
6218 – Fog driving lights warning lamp	B2b
6221 – RH long range driving lamp	A1d
6222 – LH long range driving lamp	C1d
6223 – Shunt (without long range driving lights)	A2b
6261 – Long range driving lights control	B2b
6262 – Fog driving lights control	B2b
6527 – Switch lighting	–
6534 – Dashboard instruments lighting	–

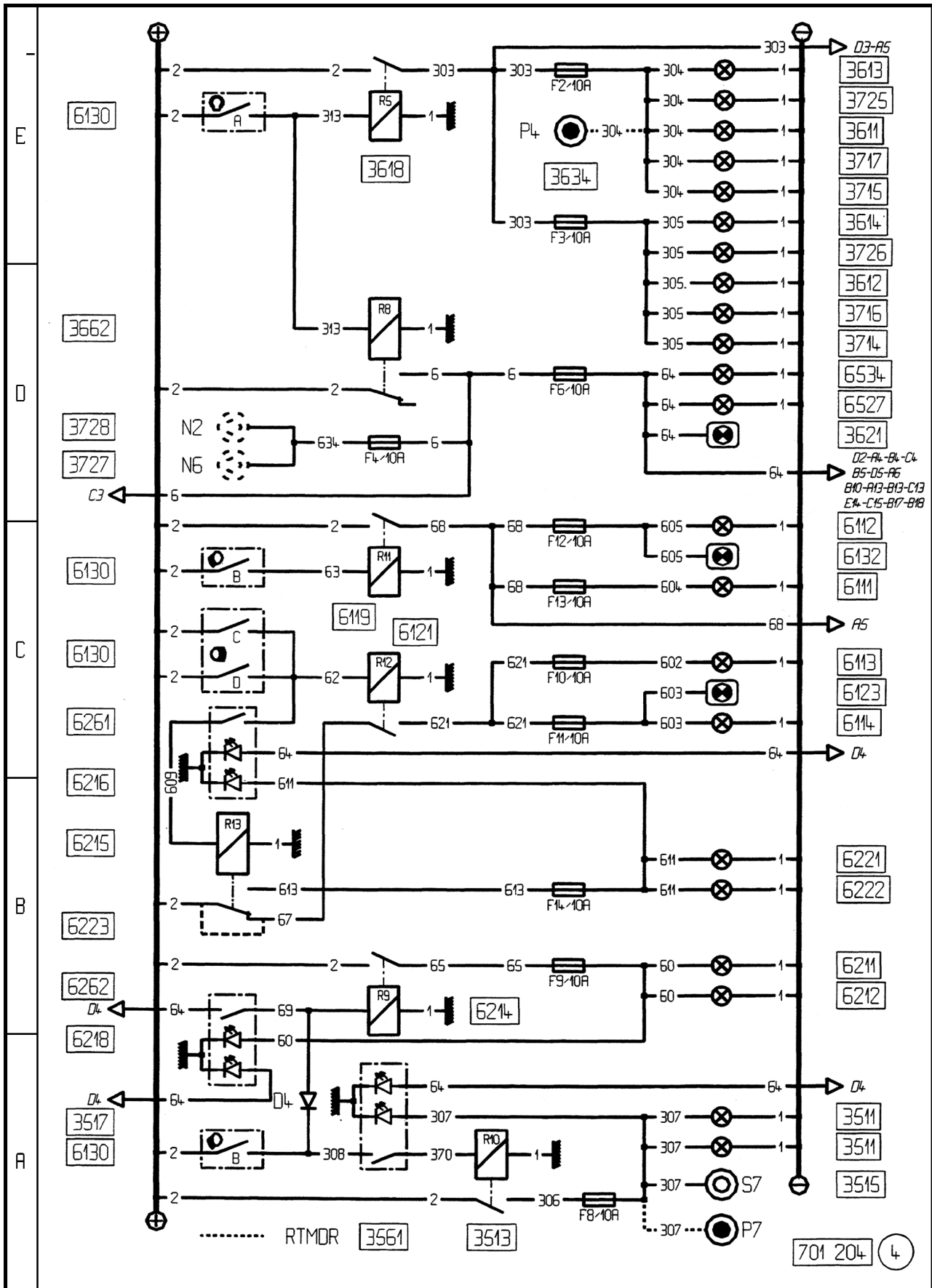


PLATE 5

SIGNALLING

1229 – Chassis–cab connection unit	A2c
3101 – Flasher unit	A2c
3117 – Rigid or tractor flasher repeater lamp	C2b
3118 – Trailer flasher repeater lamp	C2b
3119 – Hazard lights warning lamp	B2b
3161 – Hazard lights control	B2b
3211 – RH front flashing lamp	A1c
3212 – LH front flashing lamp	C1c
3213 – RH side flashing lamp	A3c
3214 – LH side flashing lamp	C3c
3311 – RH rear flashing lamp	A9d
3312 – LH rear flashing lamp	C9d
3313 – Trailer RH flashing lamps	B9d
3314 – Trailer LH flashing lamps	B9d
3410 – Roof trumpet horn solenoid valve	C2d
3411 – Horn	C1d
3417 – Revolving beacon 1	C3a
3418 – Revolving beacon 2	A3a
3419 – Revolving beacon(s) relay	A2b
3421 – Revolving beacon(s) warning lamp	C2a
3462 – Revolving beacon(s) control	C2a
3512 – Stop lights relay	A2b
3520 – LH stop lamp	C9d
3521 – RH stop lamp	A9d
3522 – Trailer stop lamp	B9d
6120 – Daytime lights relay	A2b
6130 – Lighting switch	C2b
A – Parking/side lights	
B – Dipped beam headlights	
C – Main beam headlights	
D – Flashing headlights	
E – Horn	
F – Direction indicator	
G – Fog driving lamps	
H – Fog rear lamps	
6321 – RH reversing lamp	A9d
6322 – LH reversing lamp	C9d
6324 – Reverse gear buzzer warning lamp	C2a
6325 – Reverse gear buzzer	B9d
6326 – Trailer reversing lamp	B9d
6365 – Reverse gear buzzer control	C2a
8160 – Stop lights switch	C1c
8472 – Reverse gear switch	B4d
8603 – “Delta 2” gearbox protection box	B2a
8629 – “DELTA 2” electrovalve	B4d

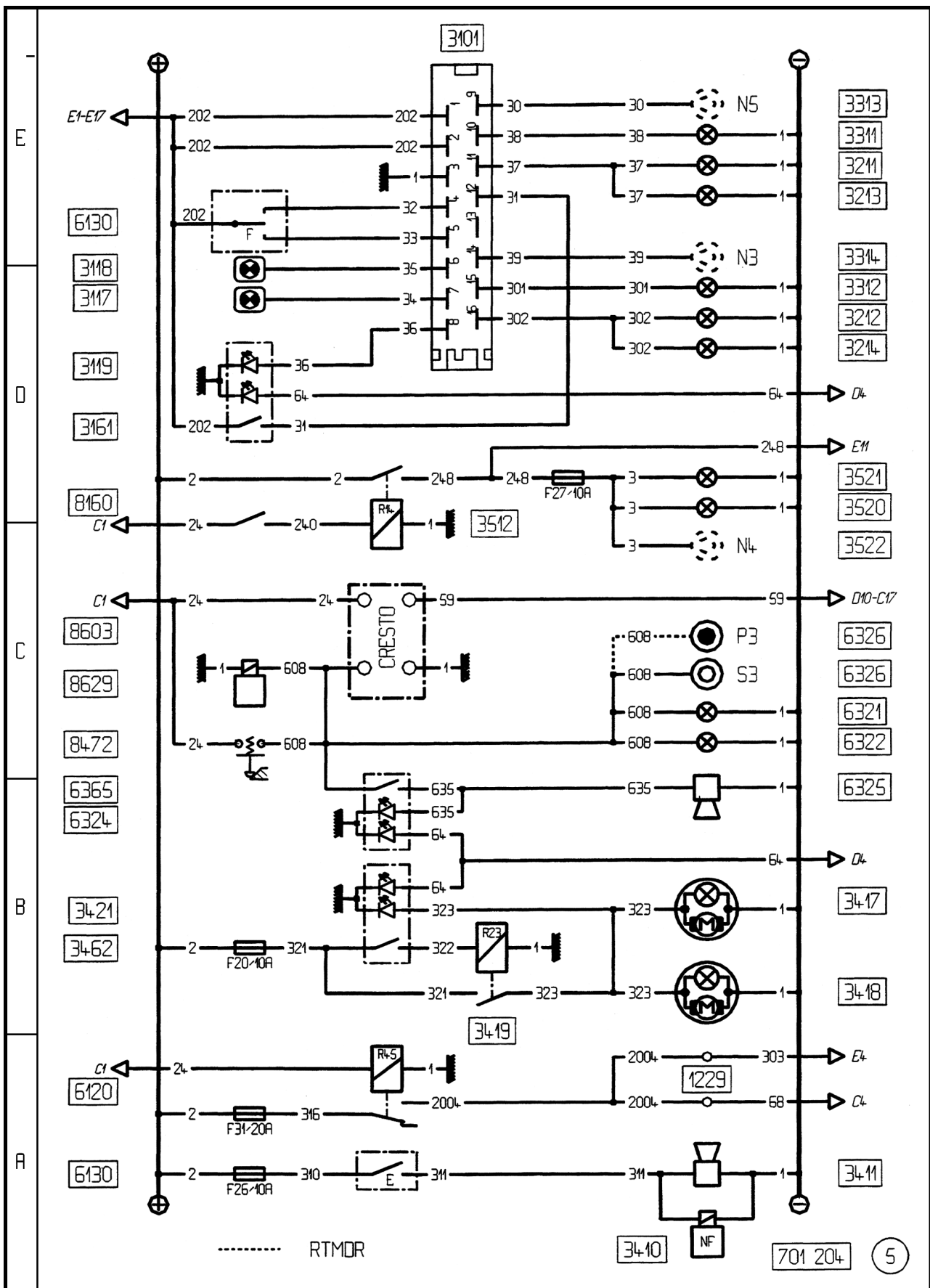


PLATE 6**ENGINE MONITORING / WINDSCREEN / HEADLAMPS WIPE/WASH CONTROL**

5301 – Windscreen wiper speed controller	A2c
5310 – Headlamps wash time–delay relay	A2b
5311 – Windscreen wiper motor	C1c
5314 – Windscreen wash pump	C2d
5319 – Headlamps wash pump	A2d
5369 – Windscreen / headlamps wash/wipe control	C2b
6535 – Engine oil level gauge lighting	C2b
7317 – Engine oil level and pressure gauge	C2b
7361 – Engine oil pressure transmitter	B3c
8203 – Engine oil level / Coolant temperature box	A2c
8225 – Water level alert warning lamp	B2b/C2b
8272 – Water level sensor	B1c
8275 – Engine oil level sensor	B3d

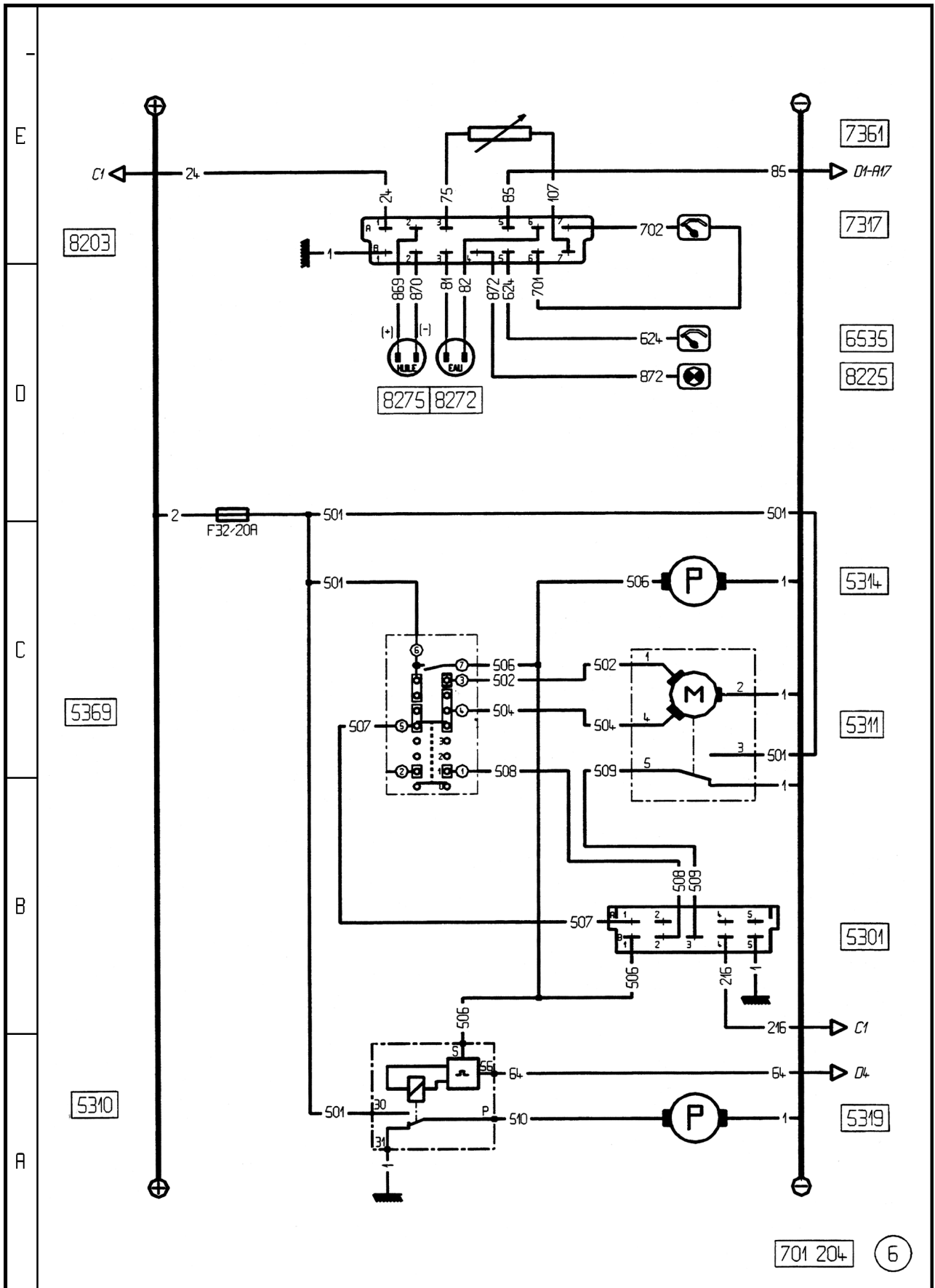


PLATE 7**PRINCIPAL DISPLAY**

1119 – Dashboard lighting dimming rheostat	C2b
2314 – Battery charge warning lamp	C2b
3117 – Rigid or tractor flasher repeater lamp	C2b
3118 – Trailer flasher repeater lamp	C2b
3411 – Horn	C2b
3621 – Side/parking lights warning lamp	C2b
4566 – External temperature sensor	A2c
6123 – Main beam headlights warning lamp	C2b
6132 – Dipped beam headlights warning lamp	C2b
6531 – Display lighting	C2b
6535 – Engine oil level gauge lighting	C2b
7111 – Engine rev. counter	C2b
7313 – Water temperature gauge	C2b
7317 – Engine oil level and pressure gauge	C2b
7362 – Coolant temperature sensor	B3c
7411 – Fuel level gauge	C2b
7462 – Fuel level transmitter	A6d
7521 – Immediate stop “DANGER” warning lamp	C2b
7522 – “SERVICE” warning lamp	C2b
7614 – Principal display	C2b
8035 – Electric or hydraulic retarder warning lamp	C2b
8105 – Rear air pressure transmitter	C6d
8115 – Parking brake indicator warning lamp	C2b
8123 – Air pressure alert warning lamp	C2b
8138 – Brakes air pressure gauge	C2b
8165 – Rear brakes air pressure switch	C6d
8166 – Front brakes air pressure switch	C6d
8174 – Trailer and parking brakes air pressure switch	C6d
8178 – Parking brake indicator air pressure switch	C6d
8216 – Engine oil pressure alert warning lamp	C2b
8217 – Coolant temperature alert warning lamp	C2b
8254 – Servo steering oil alert warning lamp	C2b
8268 – Coolant temperature alert thermal switch	B3c
8284 – Servo-steering oil pressure switch	B3d
8424 – Range change warning lamp	C2b
8466 – Neutral switch	B4d
8473 – Low gears switch	B4d

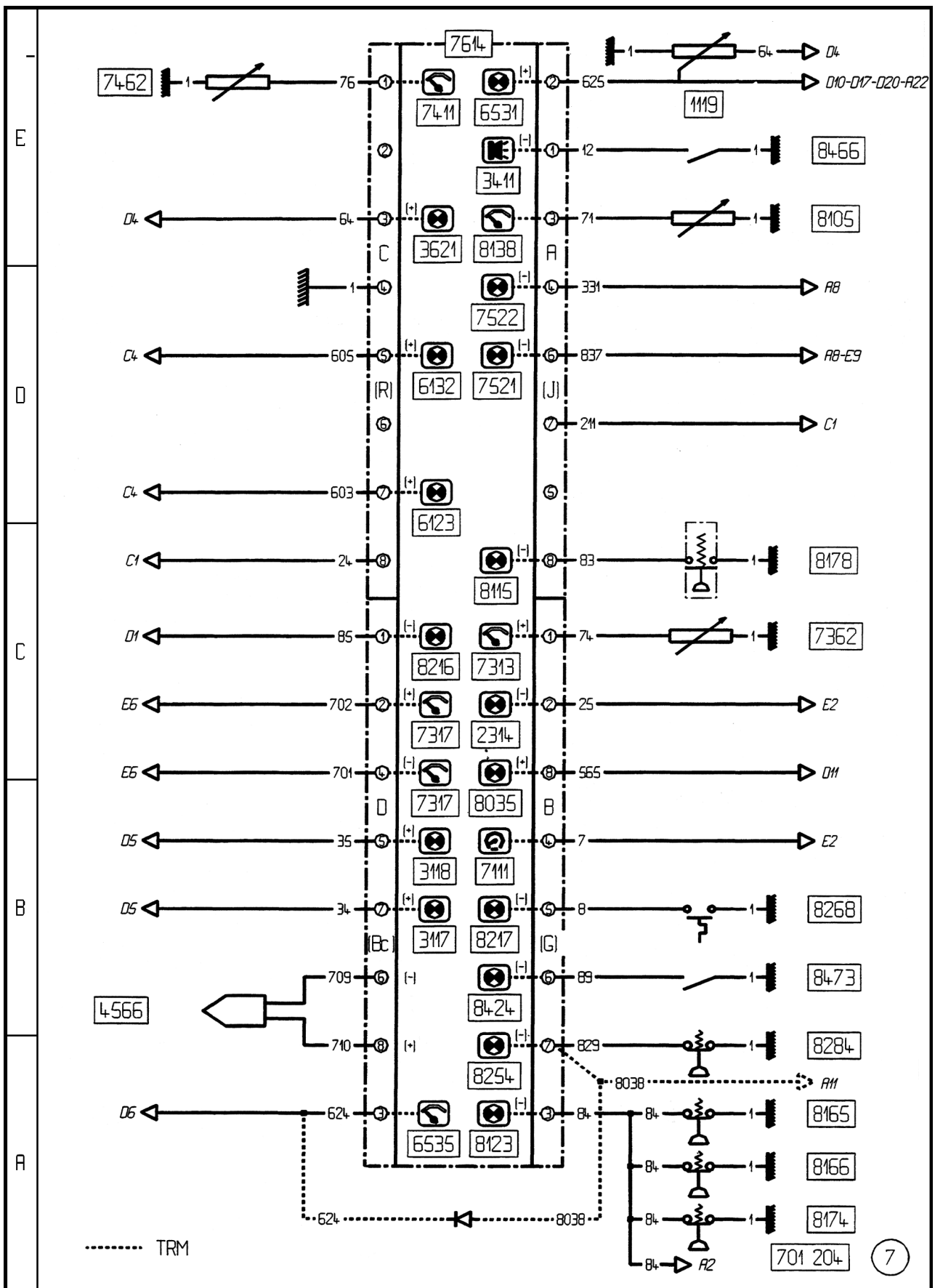


PLATE 8**SECONDARY DISPLAY**

2418 – Preheating warning lamp	B2b
6315 – Working floodlight warning lamp	B2b/C2b
7523 – “Alert” and speed limiter test warning lamp	B2b/C2b
7615 – Secondary display	B2b
8011 – ABS safety warning lamp	B2b/C2b
8013 – Trailer ABS safety warning lamp	B2b/C2b
8020 – ASR in operation warning lamp	B2b/C2b
8218 – Air filter clogging warning light	B2b/C2b
8225 – Water level alert warning lamp	B2b/C2b
8262 – Air filter clogging	B4c
8317 – Inter-axle differential lock warning lamp	B2b
8319 – Power take-off warning lamp	B2b/C2b
8340 – Rear drive axle inter-wheel differential lock warning light	B2b/C2b
8363 – Rear drive axle inter-wheel differential lock switch	B7b
8365 – Inter-axle differential lock switch	B7d
8366 – Power take-off switch	B4d
9263 – “ITC” information and defect test warning lamp	B2b/C2b

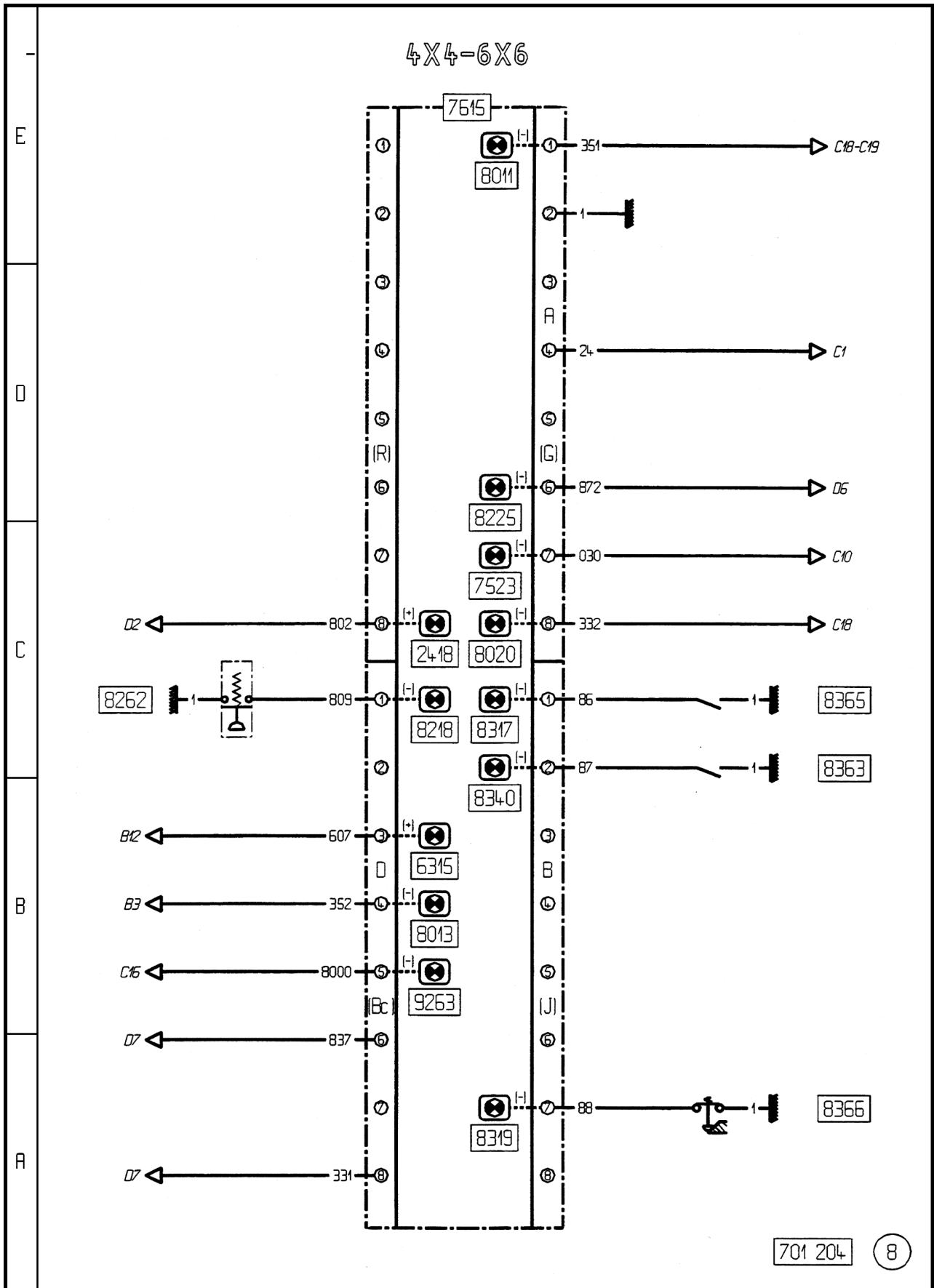


PLATE 9**PRINCIPAL DISPLAY WARNING LIGHTS MODULE**

6315 – Working floodlight warning lamp	B2b/C2b
7523 – “Alert” and speed limiter test warning lamp	B2b/C2b
7617 – Principal display warning lights module	B2b/C2b
8011 – ABS safety warning lamp	B2b/C2b
8013 – Trailer ABS safety warning lamp	B2b/C2b
8020 – ASR in operation warning lamp	B2b/C2b
8218 – Air filter clogging warning light	B2b/C2b
8225 – Water level alert warning lamp	B2b/C2b
8262 – Air filter clogging	B4c
8317 – Inter-axle differential lock warning lamp	B2b
8319 – Power take-off warning lamp	B2b/C2b
8330 – Transfer box differential lock warning light	C2b
8334 – Transfer box low speed warning light	C2b
8335 – PTO from transfer box warning light	C2b
8340 – Rear drive axle inter-wheel differential lock warning light	B2b/C2b
8341 – Front drive axle inter-wheel differential lock warning light	C2b
8363 – Rear drive axle inter-wheel differential lock switch	B7b
8365 – Inter-axle differential lock switch	B7d
8366 – Power take-off switch	B4d
8370 – PTO from transfer box switch	B5d
8372 – Transfer box differential lock switch	B5d
8377 – Transfer box low speed switch	B5d
8379 – Front drive axle inter-wheel differential lock switch	B3d
8547 – Tipper tipped “Alert” warning lamp	B2b
9263 – “ITC” information and defect test warning lamp	B2b/C2b

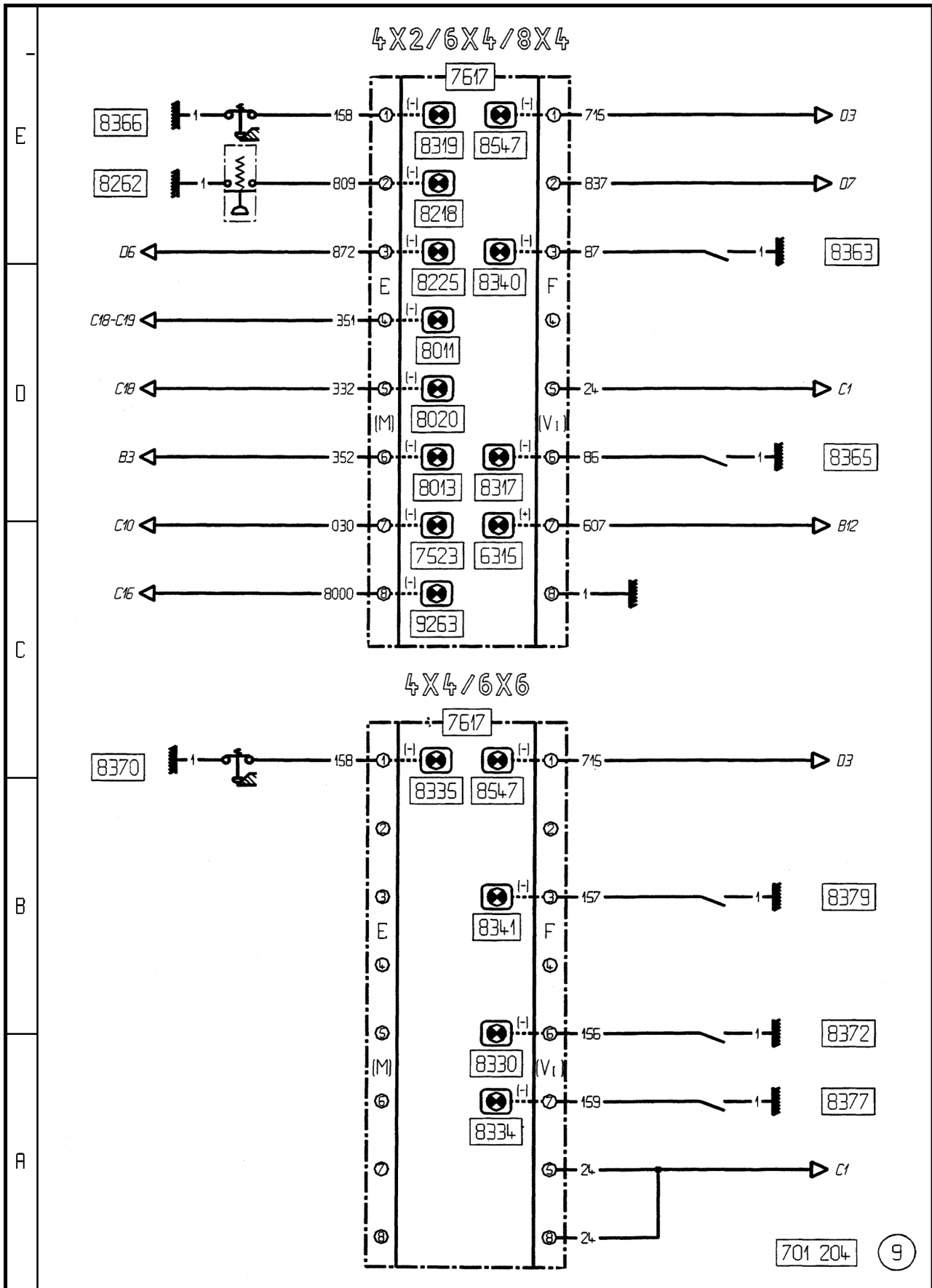


PLATE 10**VEHICLE SPEED**

5201 – Speed limiter ECU	A2c
5212 – Speed limiter actuator	B3c
7114 – Electronic tachograph	C2b
7519 – Diagnostics socket	C3c
7523 – “Alert” and speed limiter test warning lamp	B2b/C2b
7562 – Speed limiter test – defect control	B2b
8461 – Vehicle speed sensor	B4d
8466 – Neutral switch	B4d

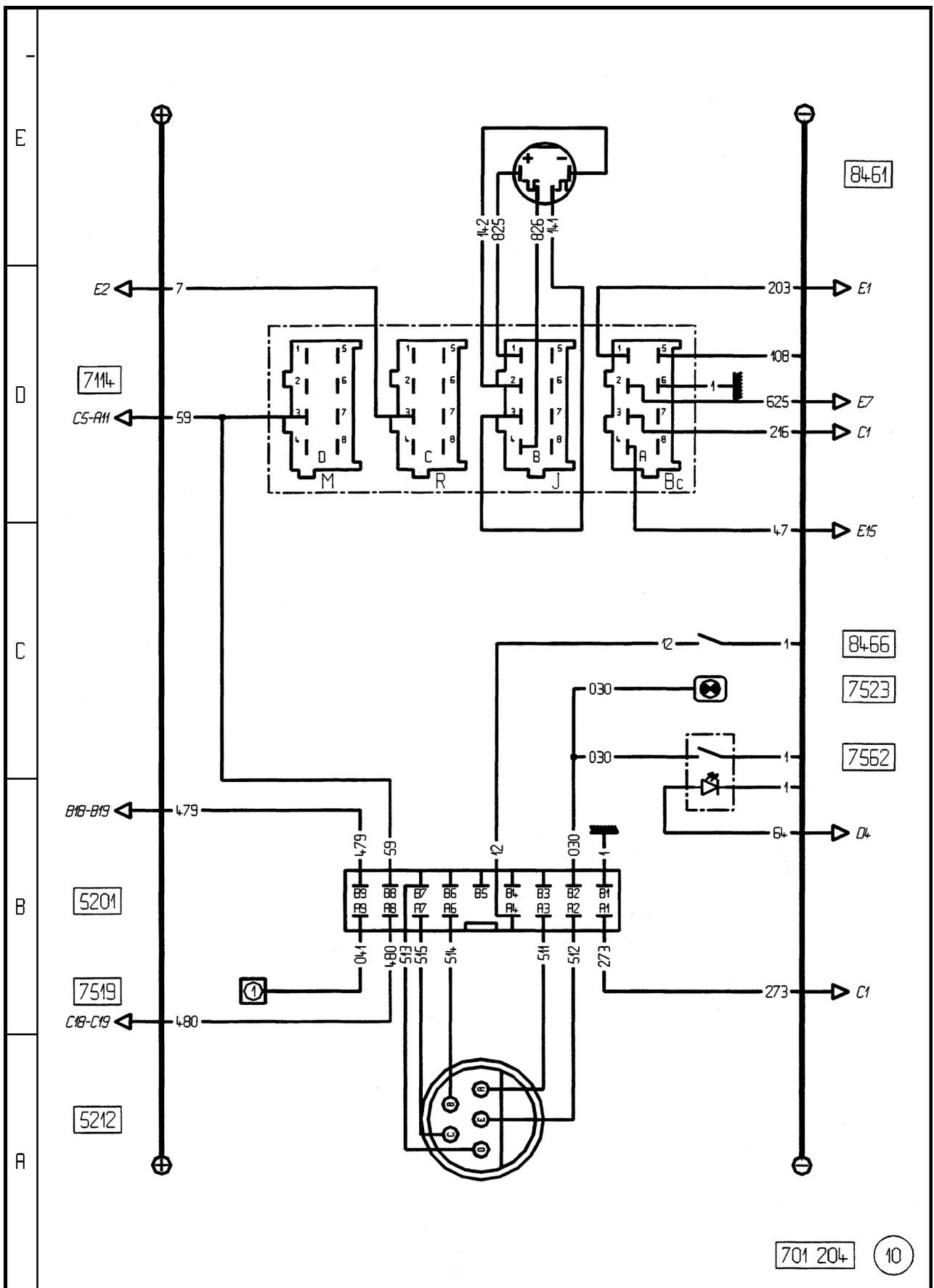


PLATE 11**VEHICLE SPEED**

3523 – Trailer stop lights (exhaust retarder)	B9d
7926 – Speed limiter solenoid valve	B4d
7935 – “J” brake solenoid valve	B3c
7938 – “J” brake relay	A2c
8032 – Electric retarder relay box	B4d
8034 – Electric retarder	B5d
8035 – Electric or hydraulic retarder warning lamp	C2b
8070 – Electric retarder control	C2b
8171 – Exhaust brake pressure switch	C6d
8206 – Power steering system speed detector	B2c
8250 – Power steering system “Alert” relay	B2c
8254 – Servo steering oil alert warning lamp	C2b
8284 – Servo-steering oil pressure switch	B3d
8422 – Speed limiter relay	A2d
8471 – High gear switch	B4d
8473 – Low gears switch	B4d
8477 – Top gear switch	B4d

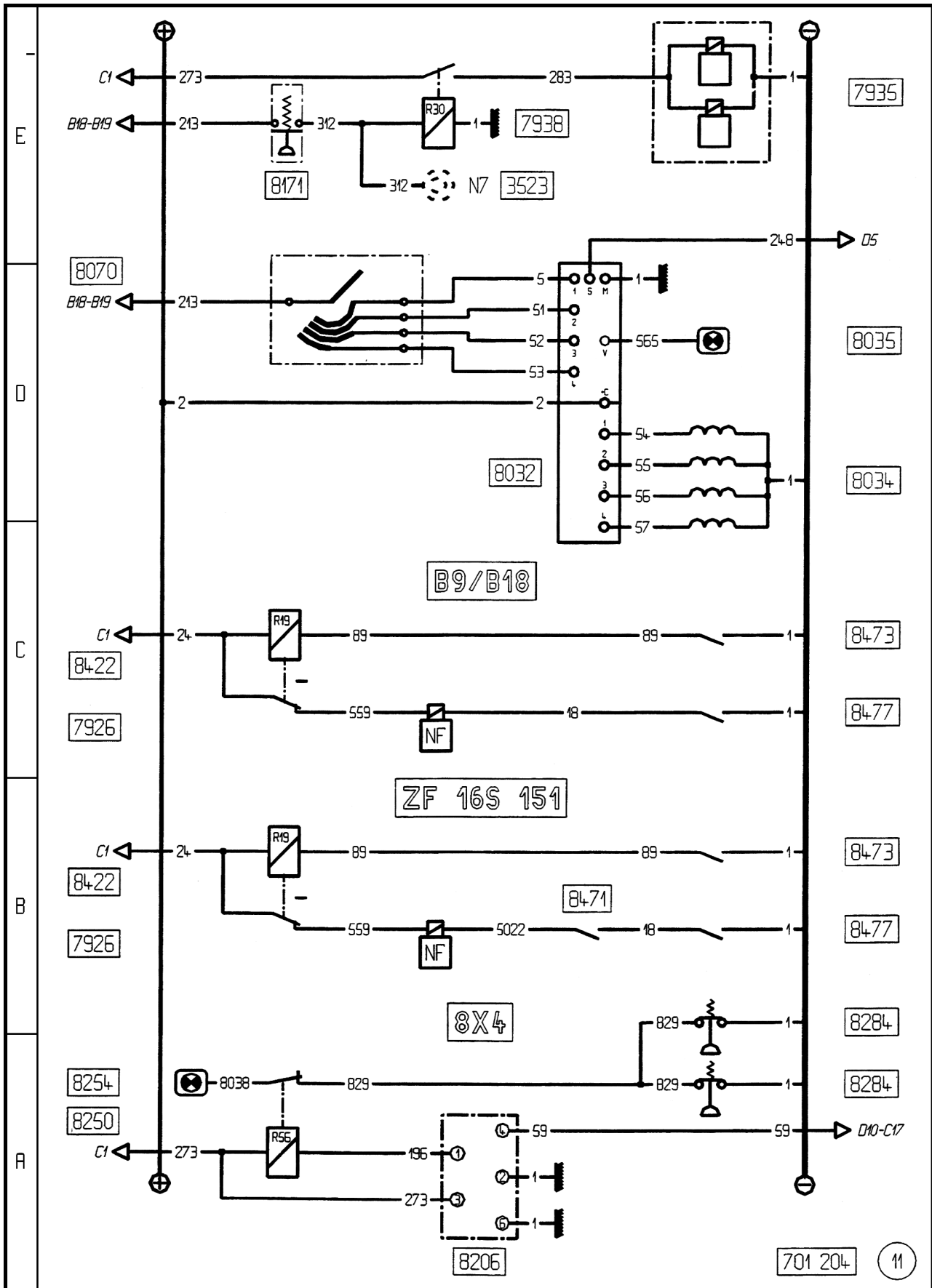


PLATE 12**CAB LIGHTING**

2122 – Trailer + 24 Volts power supply	B4c/B9d
4078 – LH door switch	C2c
4079 – RH door switch	A2c
4617 – Top bunk overhead lamp	C4a
4618 – Driver's overhead lamp	B2a
4621 – Bottom bunk overhead lamp	C4a
4625 – Passenger's overhead lamp	B2a
4650 – Driver's step lighting	C2c
4651 – Passenger's step lighting	A2c
4652 – Cab locker lighting	C3c
6314 – Working spotlight (tractor)	C4c
6315 – Working floodlight warning lamp	B2b/C2b
6362 – Working floodlight control	C4c
6411 – Front grille lighting	B1c

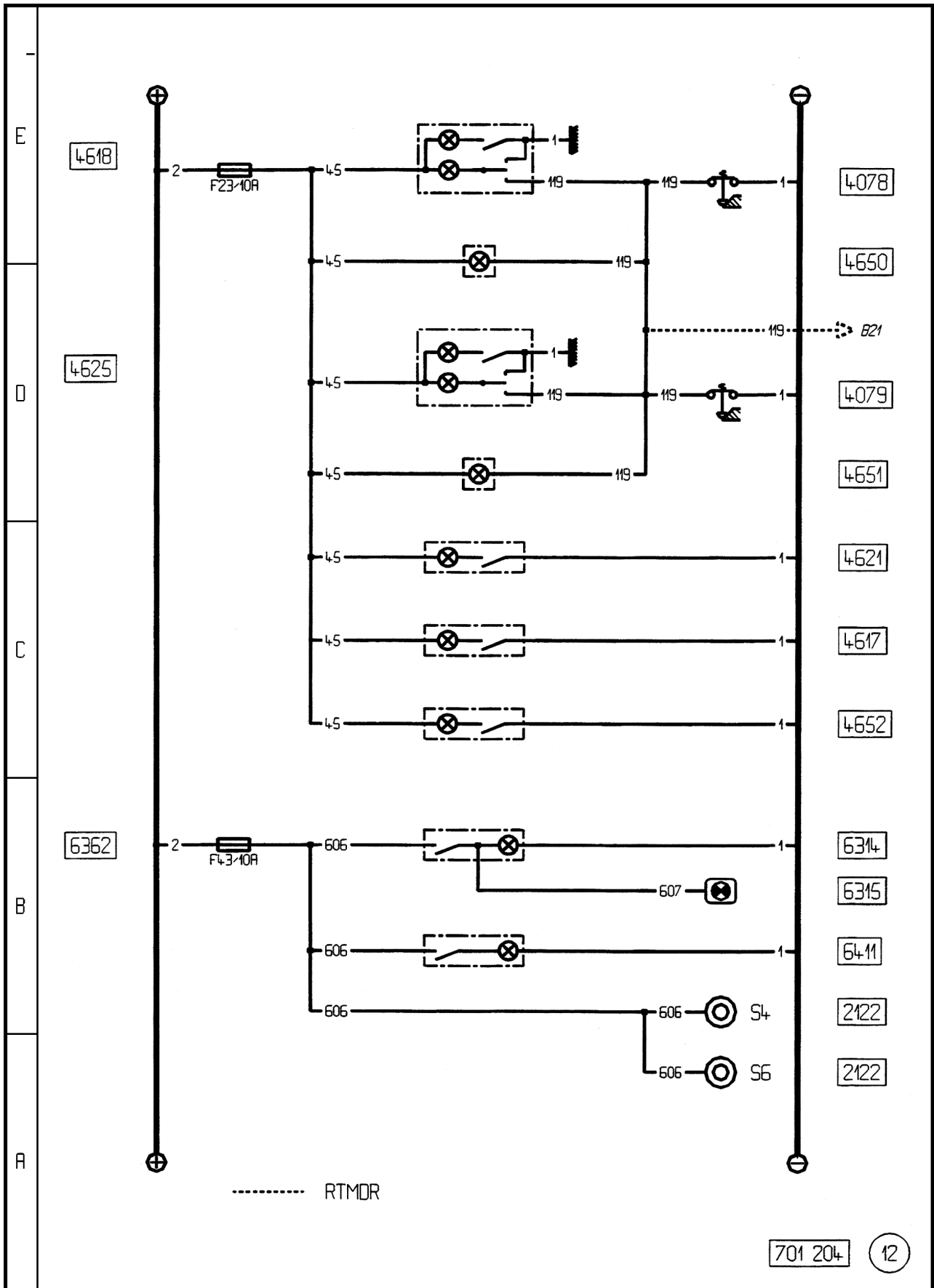


PLATE 13**CAB COMFORT**

4001 – Doors central locking box	B2a
4047 – Passenger's side electric door striker	A3c
4048 – Driver's side electric door striker	C3c
4052 – Infra-red receiver	B2a
4135 – Electric roof ventilator motor	B3a
4160 – Electric roof ventilator control	C2a
4311 – Driver's window winder motor	C3c
4312 – Passenger's window winder motor	A3c
4361 – Driver's window winder control	C3b
4362 – Passenger's window winder control	A3b
4365 – Passenger's window winder control (driver's side)	C3b

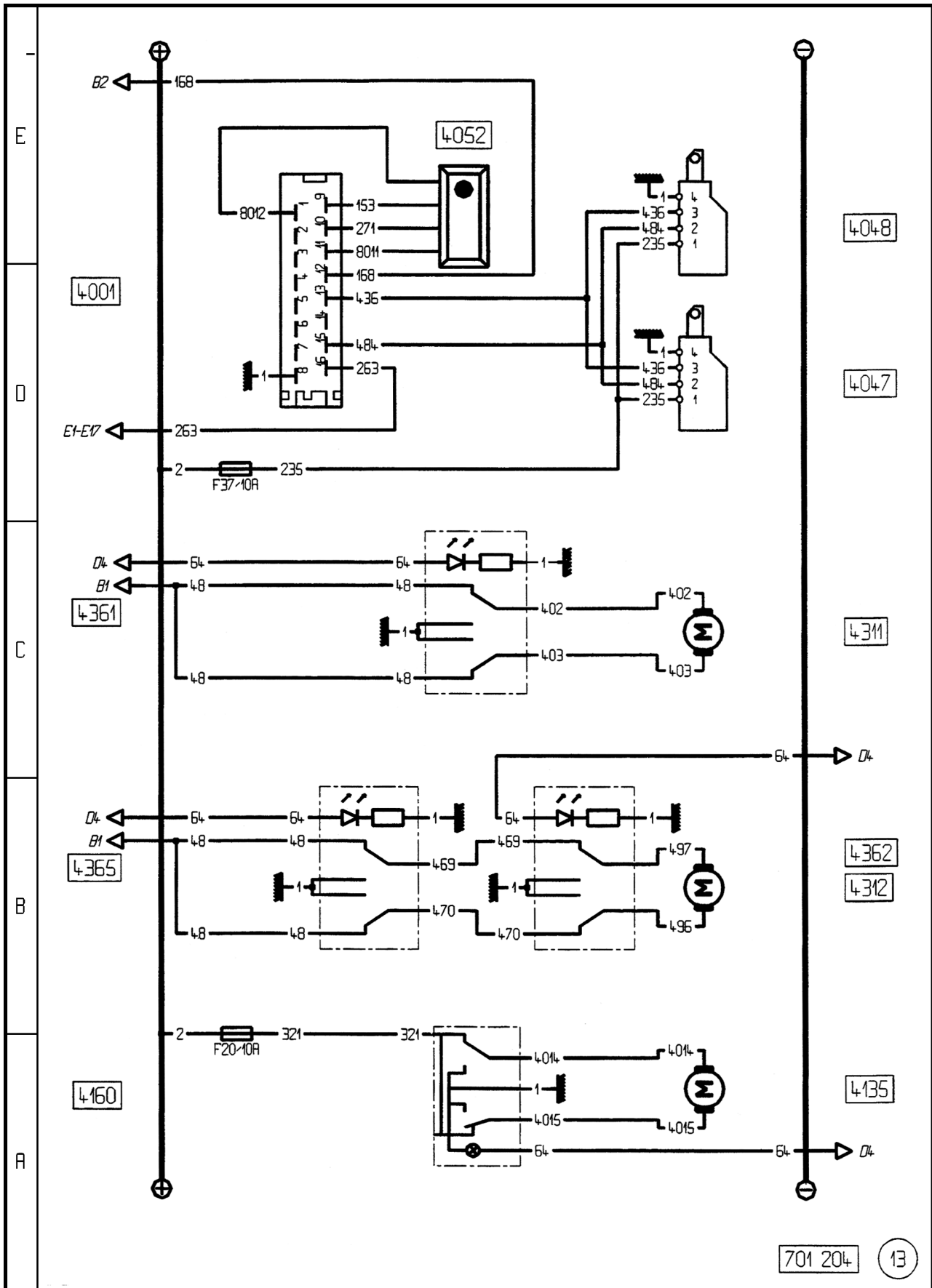


PLATE 14**CAB COMFORT**

2112 – 24 Volt socket	B2c
4118 – Defrosting rearview mirrors warning lamp	B2b
4122 – LH swivelling defrosting rearview mirror	C2a
4123 – RH swivelling defrosting rearview mirror	A2a
4126 – Defrosting rearview mirrors relay	A2b
4137 – Windscreen defrosting resistor	B1b
4138 – Windscreen defrosting time–delay relay	A2c
4161 – External rearview mirrors swivelling control	C2b
4163 – Defrosting rearview mirror control	B2b
4826 – Refrigerator	B3c

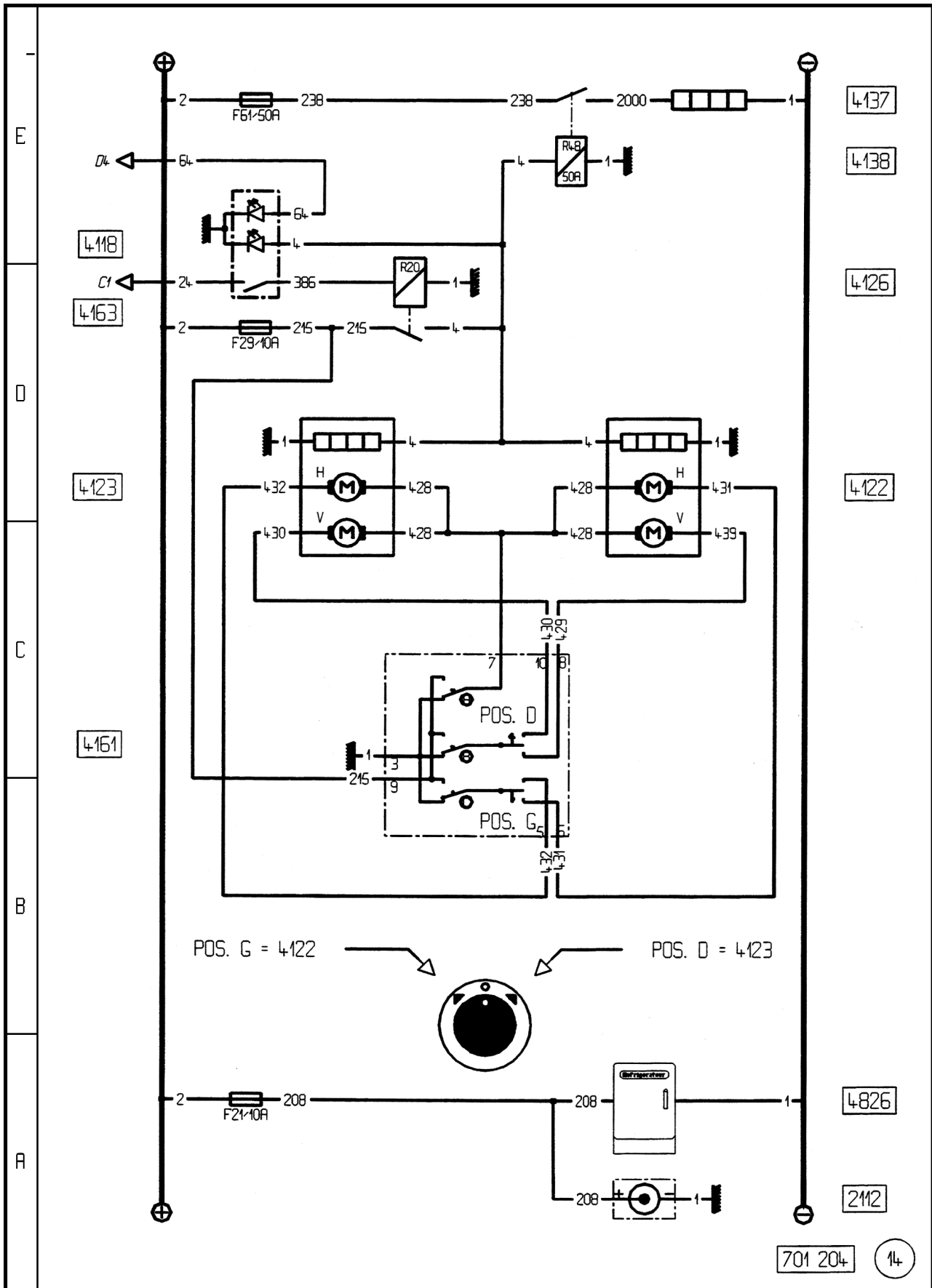


PLATE 15**CAB COMFORT**

2133 – 12 volt socket	B2b
4111 – Cigar lighter	C2b
4136 – Comfort accessories relay	A2b
4200 – Voltage dropper (12 Volt socket)	A2c
4202 – Radio	C2a
4209 – Voltage dropper (telecommunications)	C2a
4214 – Driver's loudspeaker	C2a
4220 – Radio remote control	C2b
4221 – Passenger's loudspeaker	A2a
4222 – Driver's heated seat	C3c
4223 – Passenger's heated seat	A3c
4228 – C.B. radio	B2a
4229 – Telephone	B2a
6138 – LH headlamp adjustment motor	C1c
6139 – RH headlamp adjustment motor	A1c
6166 – Headlights adjustment control	C2b

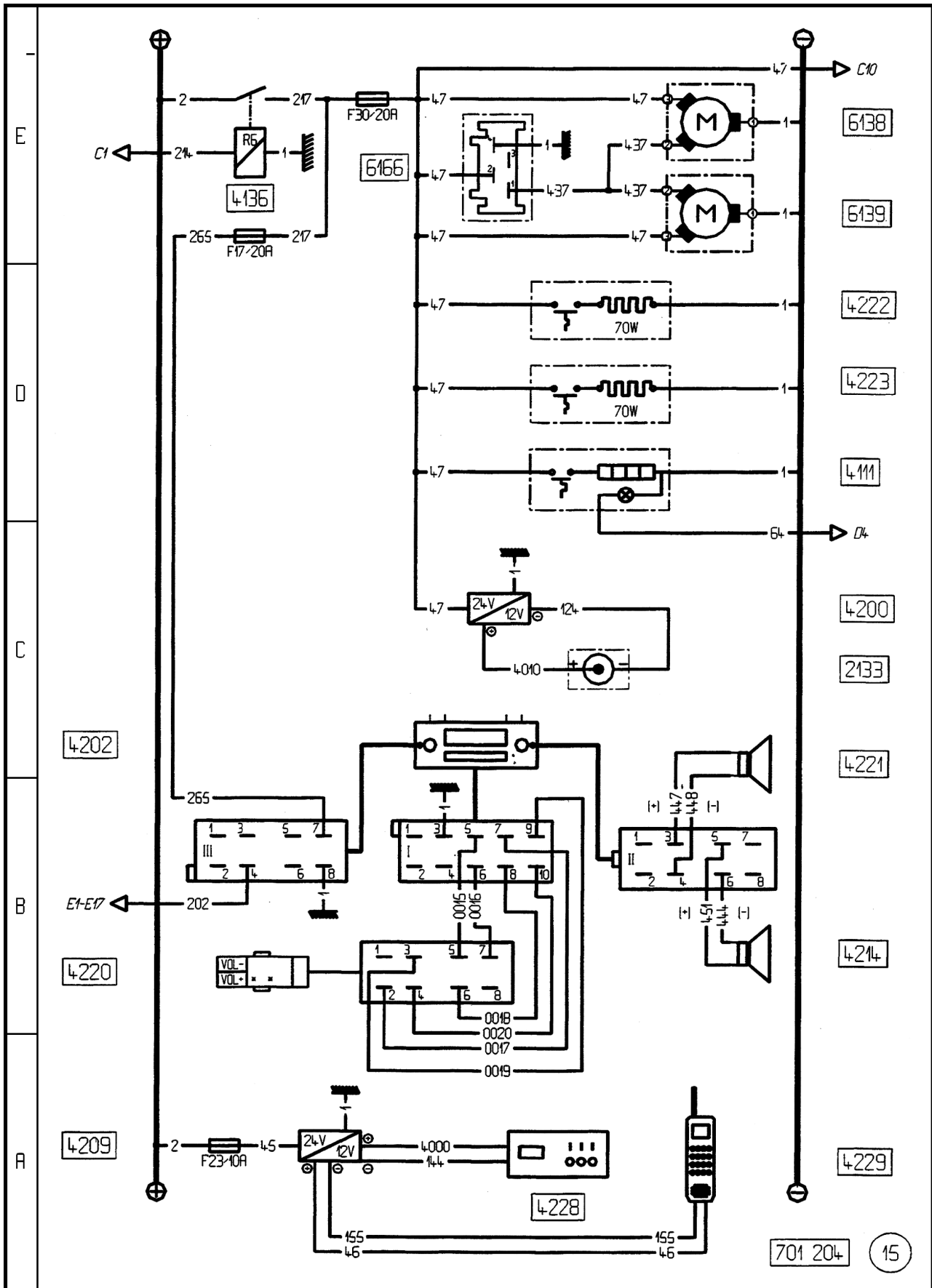


PLATE 16**ELECTRONIC INJECTION TIMING CONTROL**

2261 – Steering lock and starting control	C2b
7362 – Coolant temperature sensor	B3c
7519 – Diagnostics socket	C3c
8261 – Engine speed sensor	B2c
8285 – Turbo charge air pressure sensor	B3c
8286 – Turbo charge air temperature sensor	B3c
8805 – Fuel-injection pneumatic circuit pressure electrovalve	B3d
8806 – Fuel-injection pneumatic circuit pressure switch	B3d
9203 – “ITC” electronic control unit	A3c
9215 – “ITC” solenoid valve (oil supply)	B2d
9216 – “ITC” safety relay	A3c
9262 – High pressure pump speed sensor	B2c
9263 – “ITC” information and defect test warning lamp	B2b/C2b

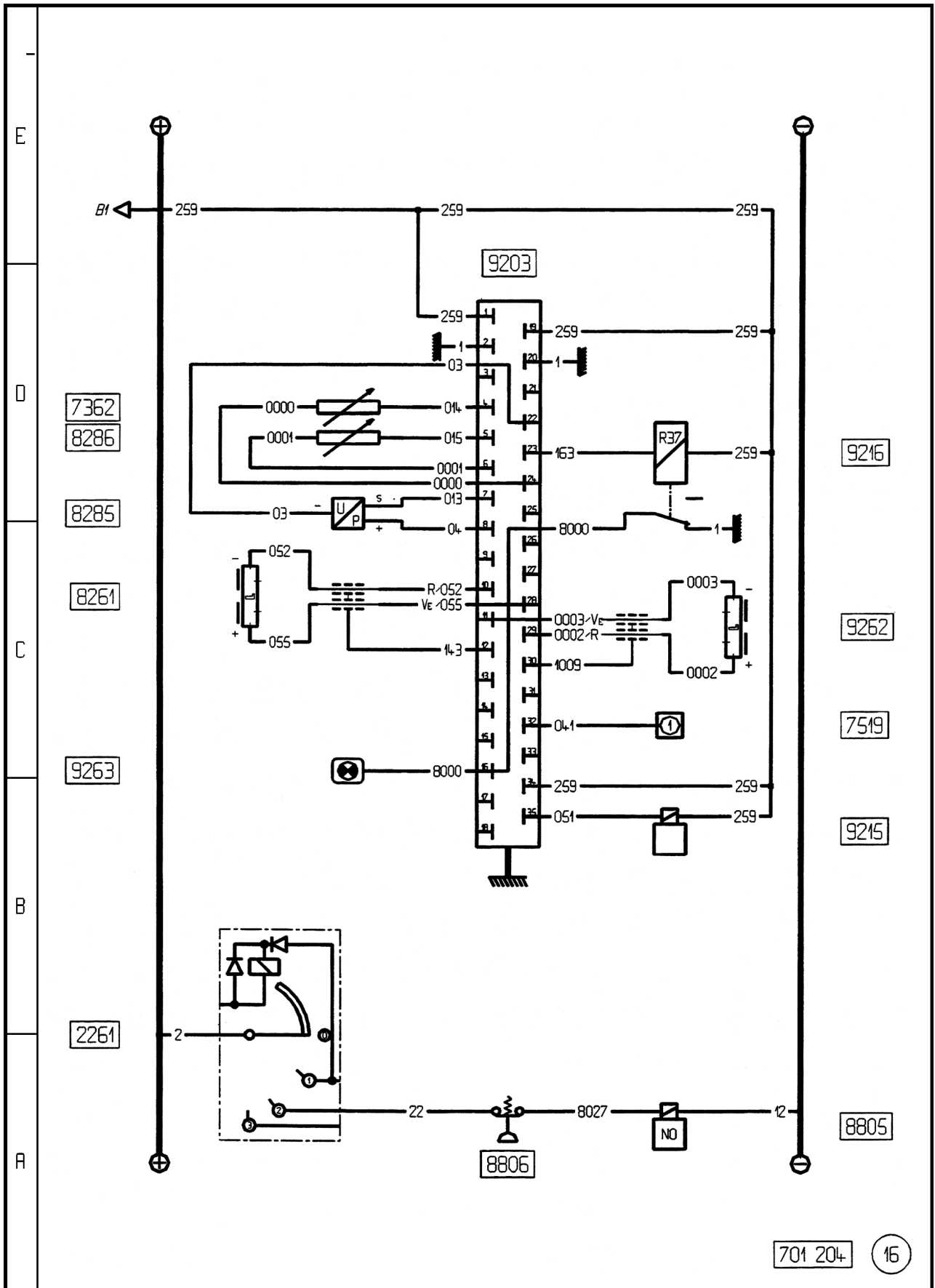


PLATE 17**ADR (HAZARDOUS SUBSTANCES) EQUIPMENT**

1621 – Earth	–
2111 – Battery (set of batteries)	C6d
2171 – ADR master switch	C6d
2261 – Steering lock and starting control	C2b
2311 – Alternator	B2c
2314 – Battery charge warning lamp	C2b
5511 – Gate valves illumination	B4c/B9d
5512 – Gate valves illumination warning lamp (RTMDR)	C2a
5561 – Gate valves illumination control	C2a
7100 – Current limiter	C6d
7114 – Electronic tachograph	C2b
7115 – Hourmeter	A3c
8213 – Engine stop electrovalve	B3c
8216 – Engine oil pressure alert warning lamp	C2b
8227 – Engine oil pressure relay	A2b
8255 – ADR engine stop electrovalve	B3c
8267 – Oil pressure alert pressure switch	B3c
8461 – Vehicle speed sensor	B4d

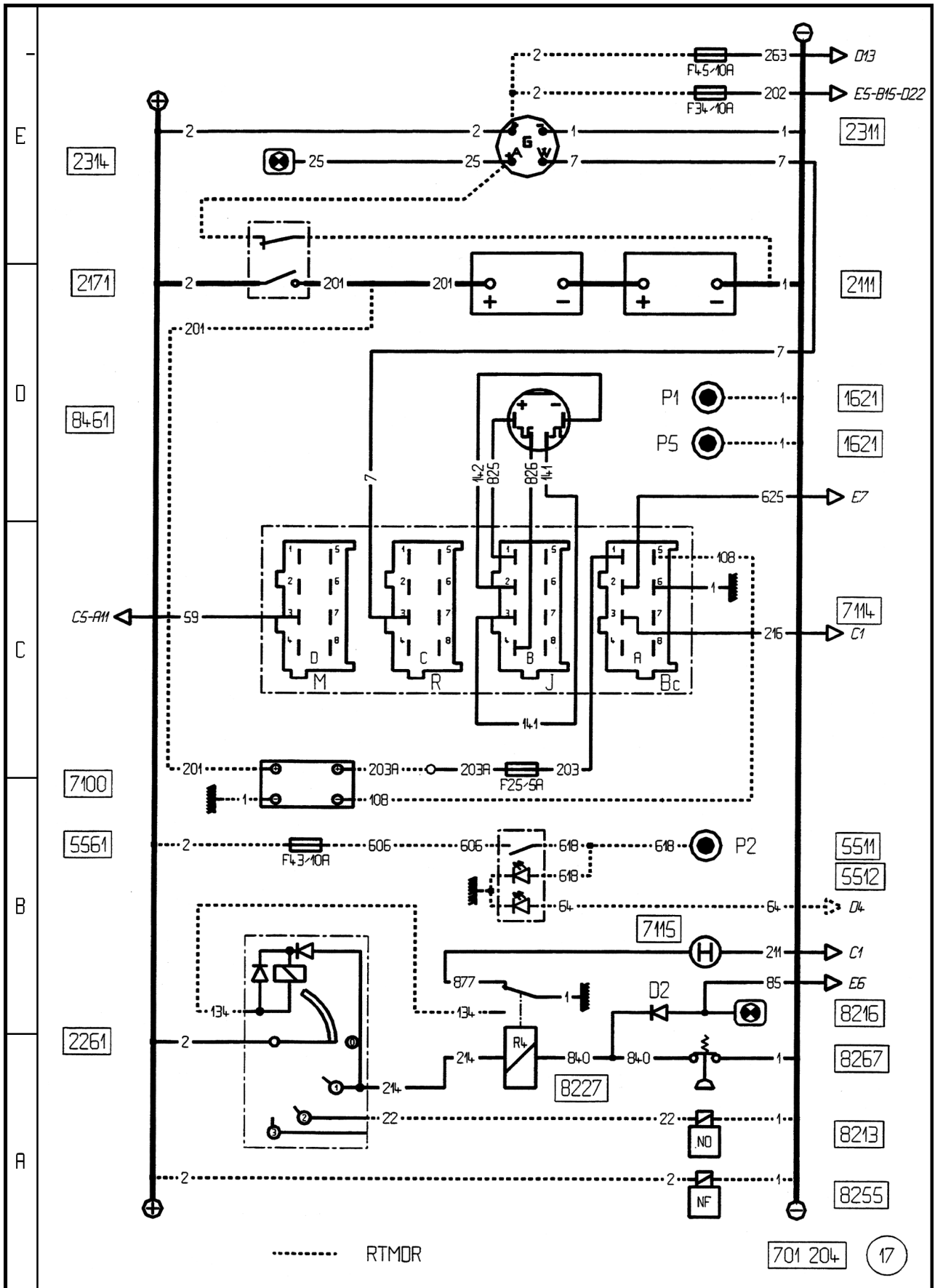


PLATE 18**ABS / ASR EQUIPMENT****VEHICLE "4x2 – 6x4 – 8x4"**

7519 – Diagnostics socket	C3c
8001 – "ABS/ASR" ECU	A2c
8011 – ABS safety warning lamp	B2b/C2b
8014 – ABS LH front roadwheel electrovalve	B4d/B5d
8015 – ABS RH front roadwheel electrovalve	B4d/B5d
8016 – ABS LH rear roadwheel electrovalve	B7d/B8d
8017 – ABS RH rear roadwheel electrovalve	B7d/B8d
8020 – ASR in operation warning lamp	B2b/C2b
8021 – ABS/ASR electrovalves relay (RH front/LH rear)	A2b
8022 – ABS/ASR electrovalves relay (LH front/RH rear)	A2b
8023 – ABS safety relay	A2b
8036 – Electric retarder cut-off relay	A2b
8038 – ASR LH relay	B7d/B8d
8039 – ASR RH relay	B7d/B8d
8046 – Shunt (without ABS)	A2b
8060 – "ASR" control	C2a
8061 – ABS LH front roadwheel sensor	C3d/C5d
8062 – ABS RH front roadwheel sensor	A3d/A5d
8063 – ABS LH rear roadwheel sensor	C7d/C8d
8064 – ABS RH rear roadwheel sensor	A7d/A8d

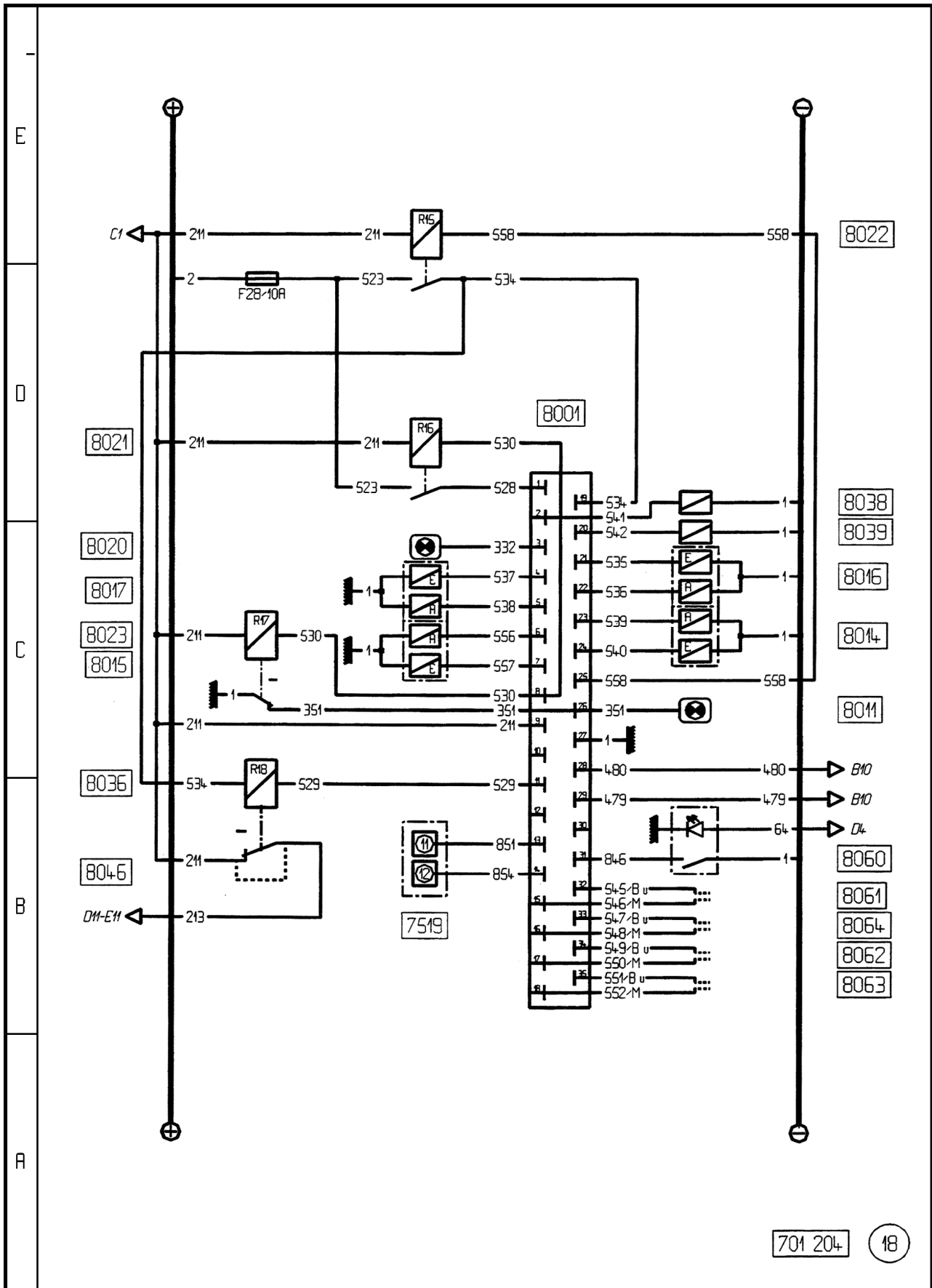


PLATE 19**ABS / ASR EQUIPMENT****VEHICLE "4x4 – 6x6"**

7519 – Diagnostics socket	C3c
8001 – "ABS/ASR" ECU	A2c
8011 – ABS safety warning lamp	B2b/C2b
8014 – ABS LH front roadwheel electrovalve	B4d/B5d
8015 – ABS RH front roadwheel electrovalve	B4d/B5d
8016 – ABS LH rear roadwheel electrovalve	B7d/B8d
8017 – ABS RH rear roadwheel electrovalve	B7d/B8d
8021 – ABS/ASR electrovalves relay (RH front/LH rear)	A2b
8022 – ABS/ASR electrovalves relay (LH front/RH rear)	A2b
8023 – ABS safety relay	A2b
8036 – Electric retarder cut-off relay	A2b
8038 – ASR LH relay	B7d/B8d
8039 – ASR RH relay	B7d/B8d
8046 – Shunt (without ABS)	A2b
8048 – "ABS" cut-off relay	A2b
8061 – ABS LH front roadwheel sensor	C3d/C5d
8062 – ABS RH front roadwheel sensor	A3d/A5d
8063 – ABS LH rear roadwheel sensor	C7d/C8d
8064 – ABS RH rear roadwheel sensor	A7d/A8d
8372 – Transfer box differential lock switch	B5d
8379 – Front drive axle inter-wheel differential lock switch	B3d

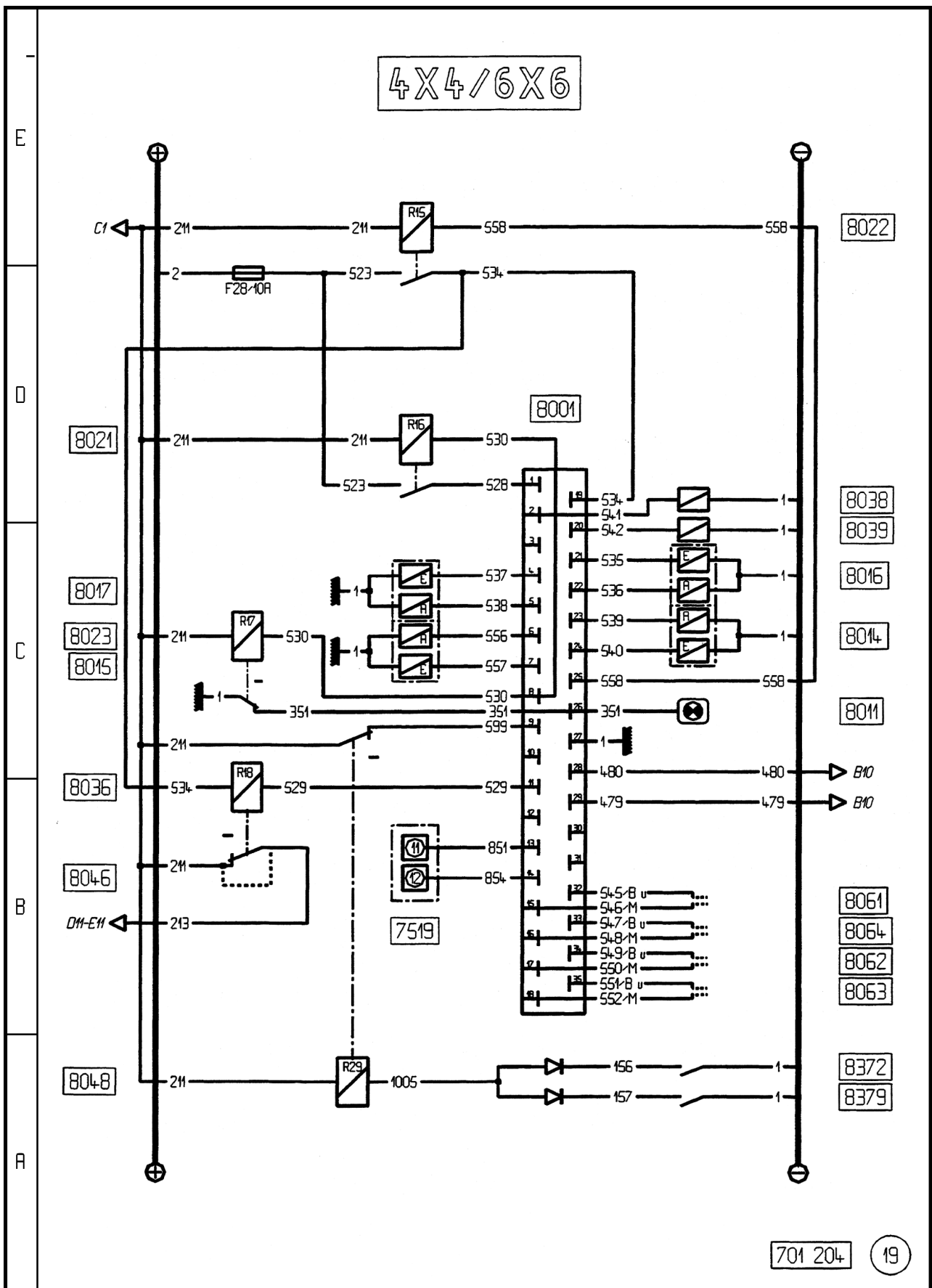


PLATE 20**AIR CONDITIONING**

4421 – Fan coil heater(s)	B2c
4512 – Air conditioning compressor	B2c
4545 – Conditioned air relay	A2b
4573 – Low pressure controller	B1c
4576 – High pressure controller	B1c
4583 – Air conditioning compressor relay	–
8287 – Engine cooling system thermal switch	B1c

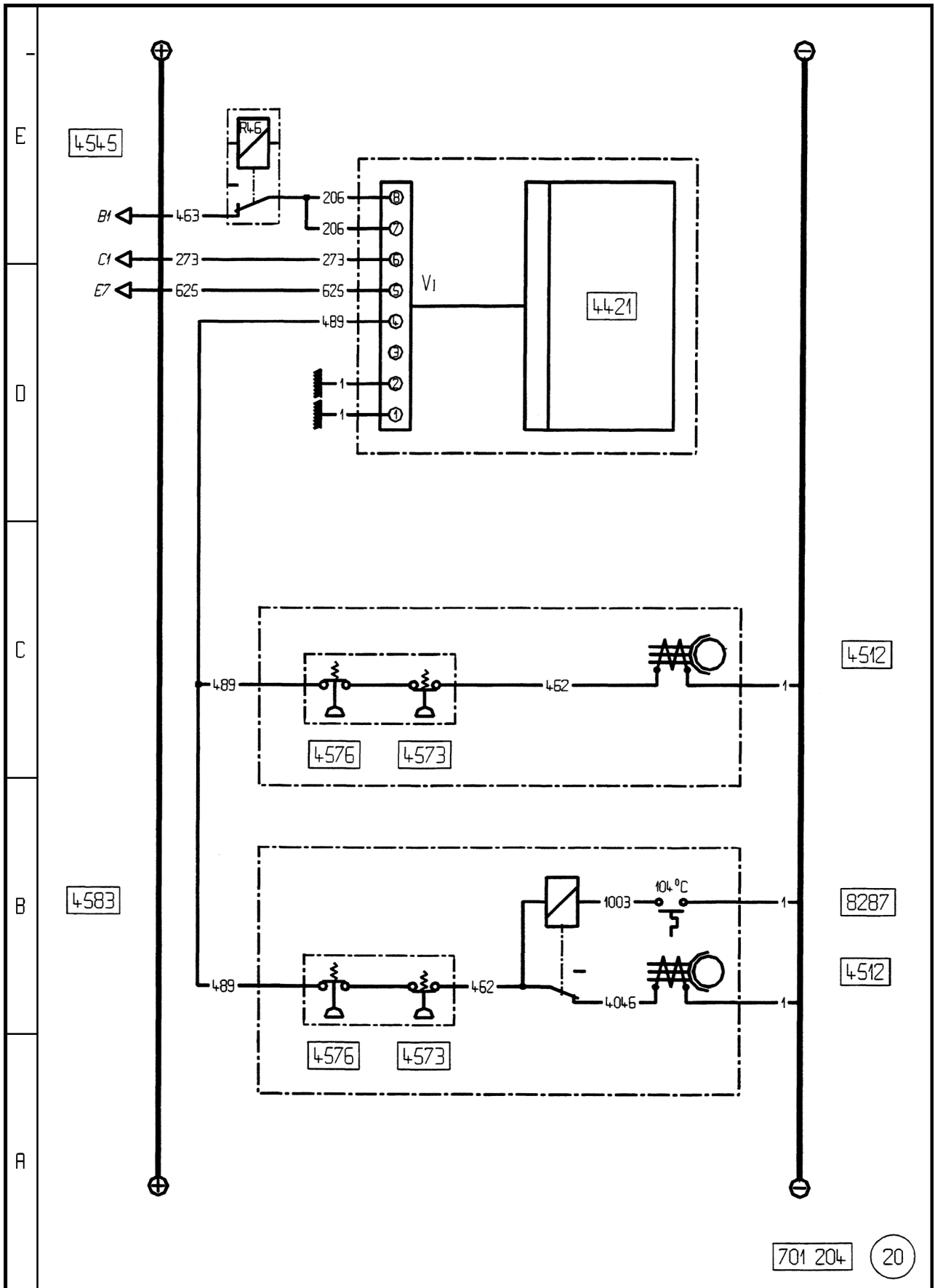
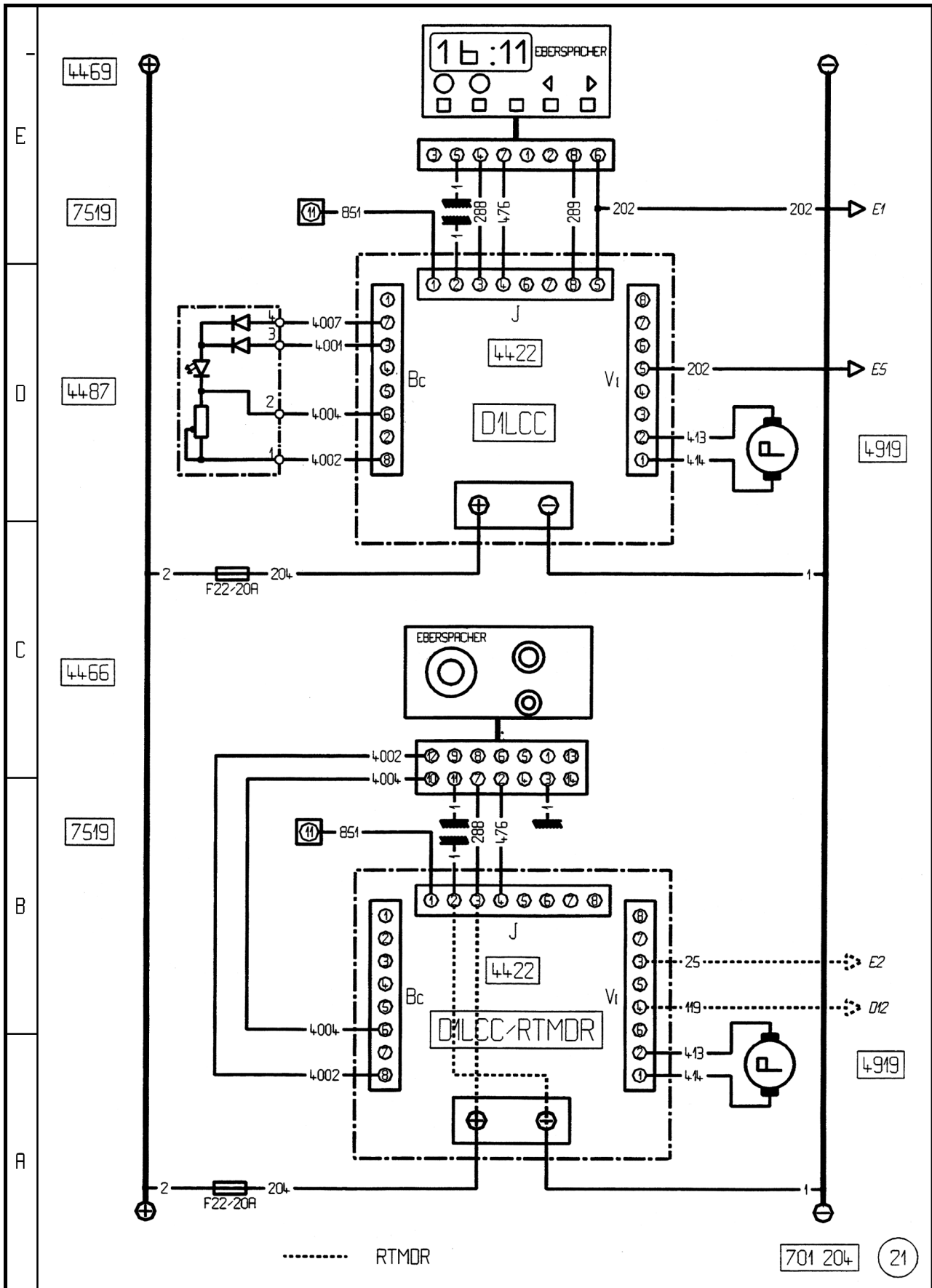


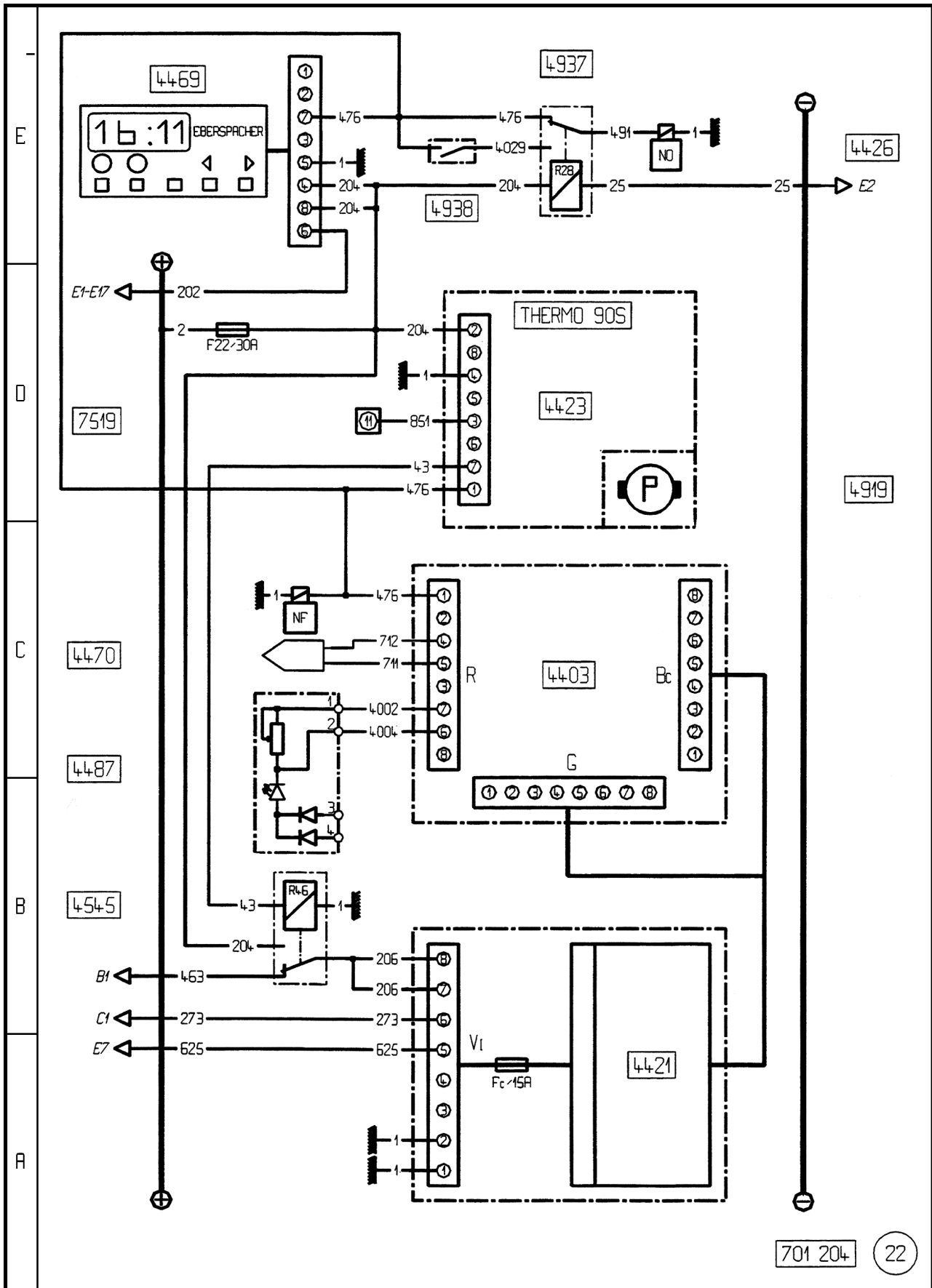
PLATE 21
INDEPENDENT HEATING "D1LCC"

4422 – Independent heater WEBASTO	A3c
4466 – Independent heater control	C3a
4469 – Independent heater timer control	C3a
4487 – Temperature variator	C3a
4919 – Fuel feed pump	A4d
7519 – Diagnostics socket	C3c



**PLATE 22
INDEPENDENT HEATING "D1LCC"**

4403 – Ventilation control box	B2c
4421 – Fan coil heater(s)	B2c
4423 – Independent heater EBERSPACHER	A3d
4426 – Main coolant circuit solenoid valve	A2d
4469 – Independent heater timer control	C3a
4470 – Interior temperature sensor	A2c
4487 – Temperature variator	C3a
4545 – Conditioned air relay	A2b
4919 – Fuel feed pump	A4d
4937 – Independent heater relay	C3a
4938 – Cooling circuit main solenoid valve control	C3a
7519 – Diagnostics socket	C3c



PINPOINTING OF ELECTRICAL APPLIANCES

Electronic injection timing control "ITC"

Equipment ABS / ASR

ADR equipment

Trailer sockets

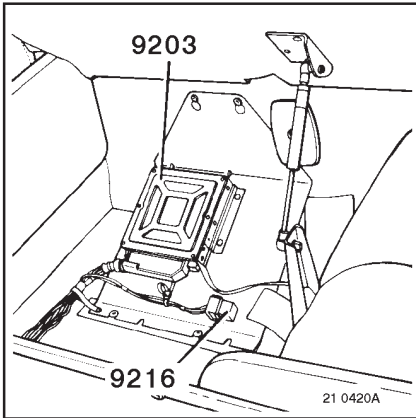
Voltage dropper

Connection unit

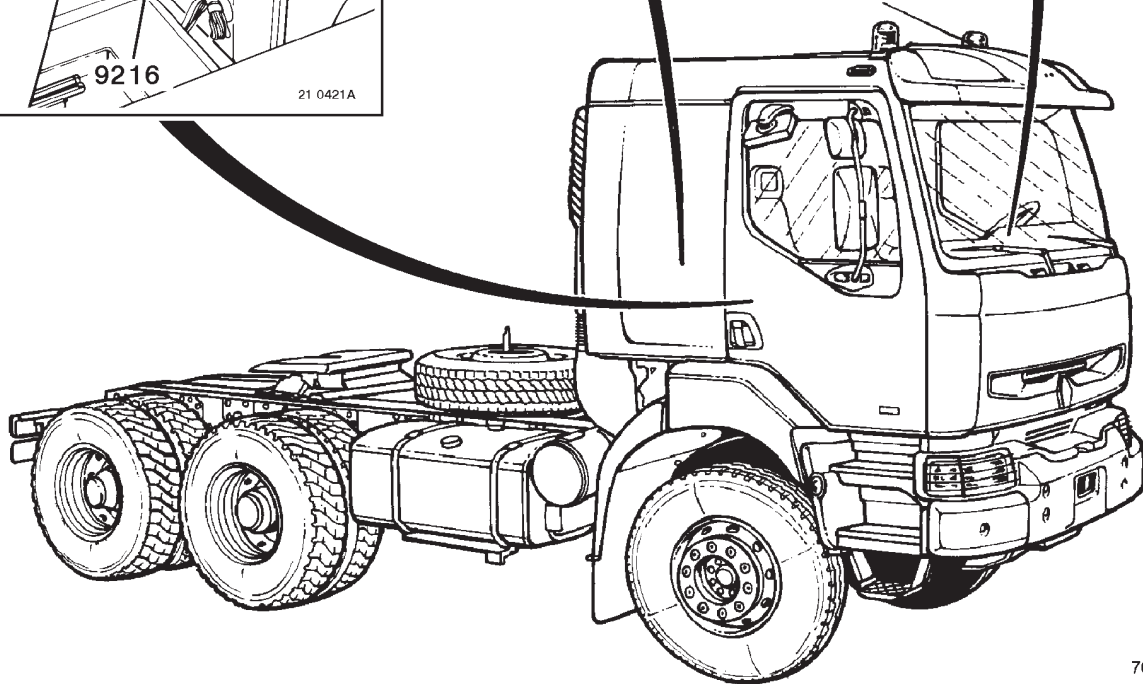
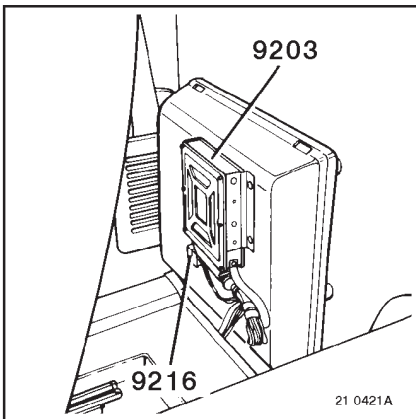
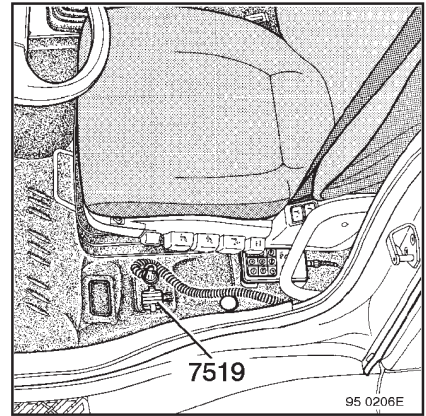
Relays away from connection unit

Diodes away from connection unit

Fuses away from connection unit



9263



70 0389

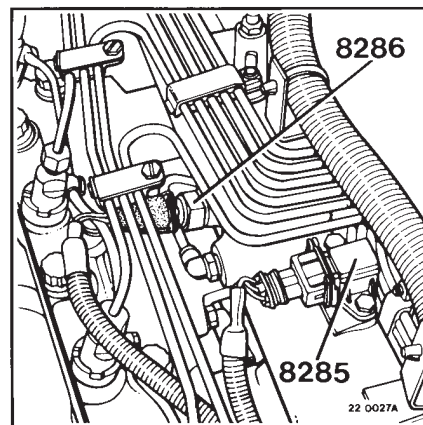
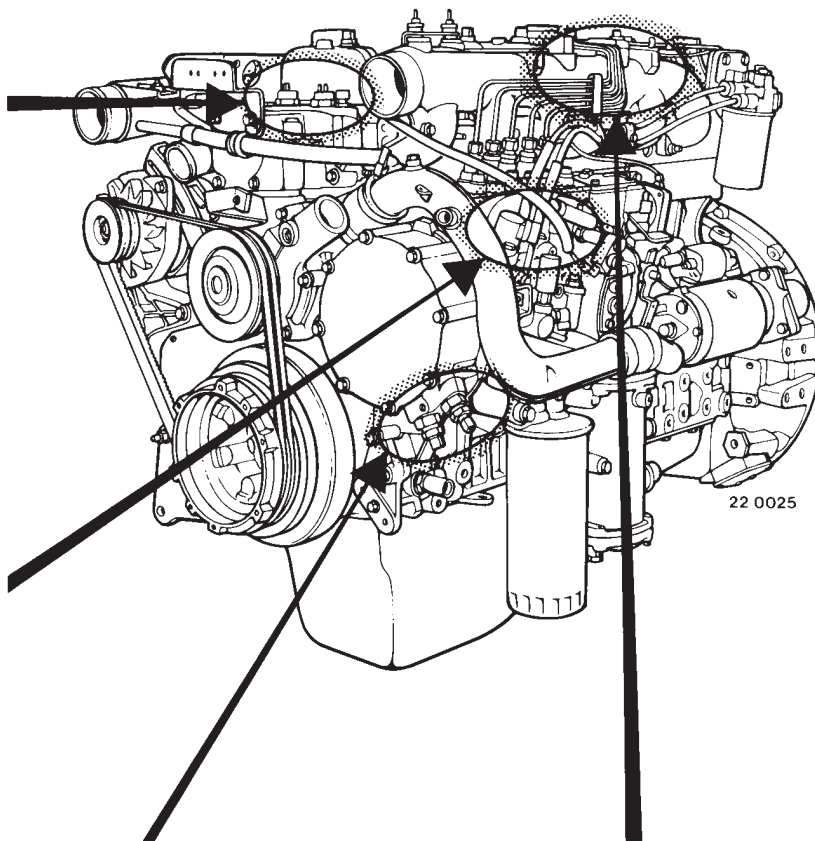
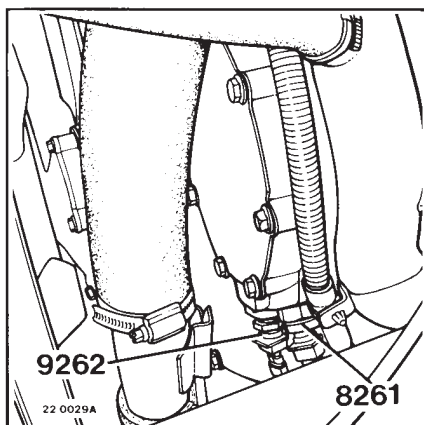
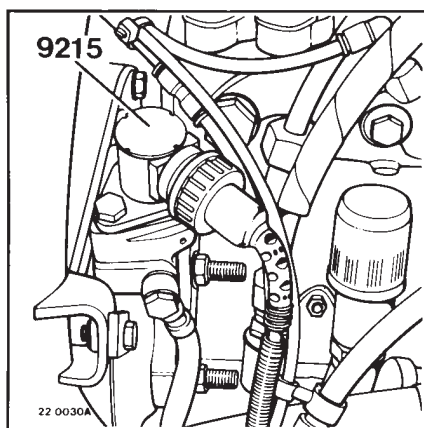
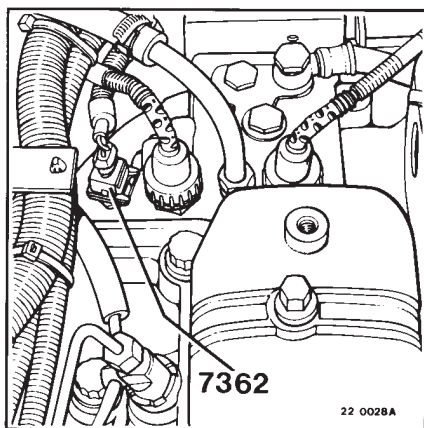
Electronic injection timing control "ITC"

Layout of appliances in cab

Appliance

Plate

7519 – Diagnostics socket	C16
9203 – "ITC" electronic control unit	E16
9216 – "ITC" safety relay	D16
9263 – "ITC" information and defect test warning lamp	C16



70 0031

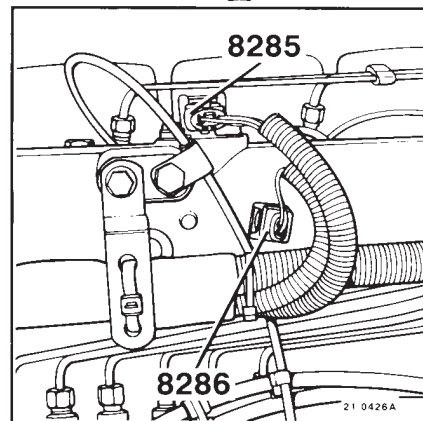
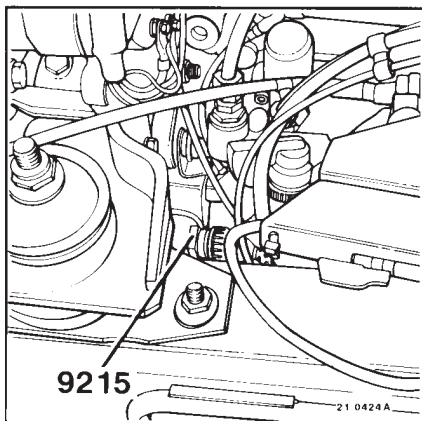
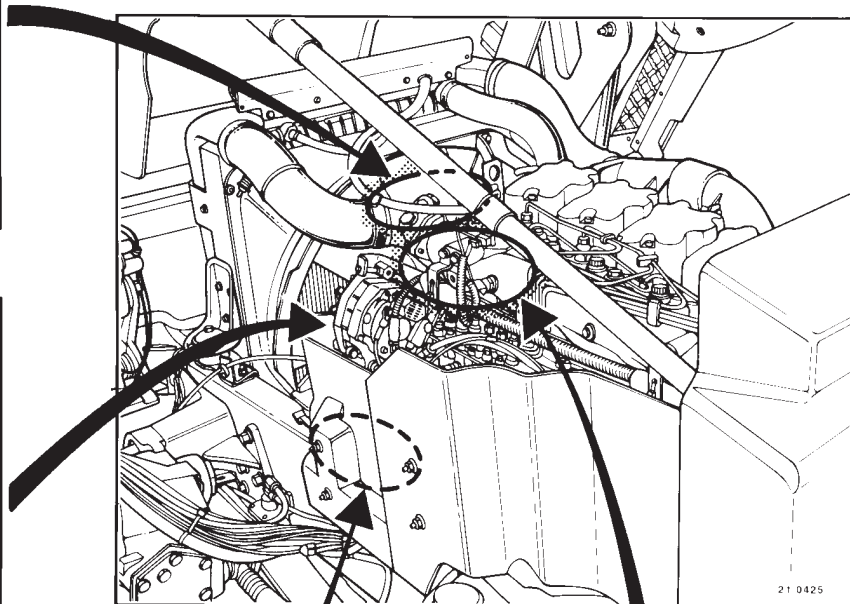
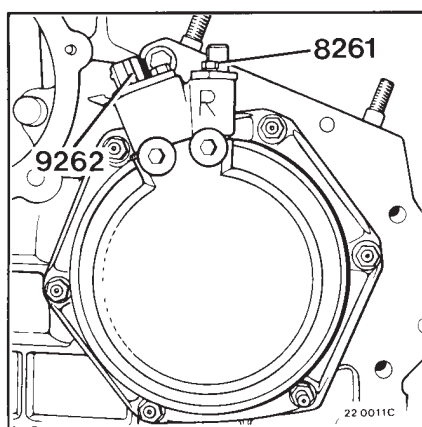
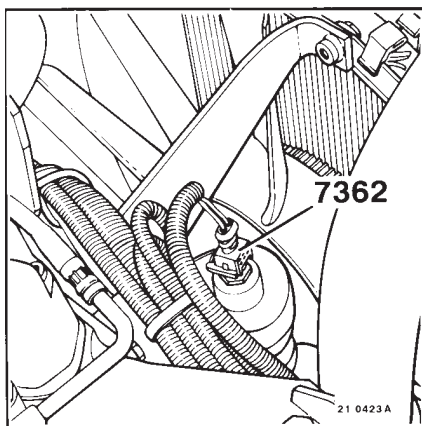
Electronic injection timing control "ITC"

Layout of appliances on engine "MIDR 06.02.26"

Appliance

Plate

7362 – Coolant temperature sensor	D16
8261 – Engine speed sensor	C16
8285 – Turbo charge air pressure sensor	D16
8286 – Turbo charge air temperature sensor	D16
9215 – "ITC" solenoid valve (oil supply)	B16
9262 – Injection pump speed sensor	C16



21 0428 A

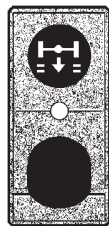
Electronic injection timing control "ITC"

Layout of appliances on engine "MIDR 06.20.45 – MIDR 06.23.56"

Appliance

Plate

7362 – Coolant temperature sensor	D16
8261 – Engine speed sensor	C16
8285 – Turbo charge air pressure sensor	D16
8286 – Turbo charge air temperature sensor	D16
9215 – "ITC" solenoid valve (oil supply)	B16
9262 – Injection pump speed sensor	C16



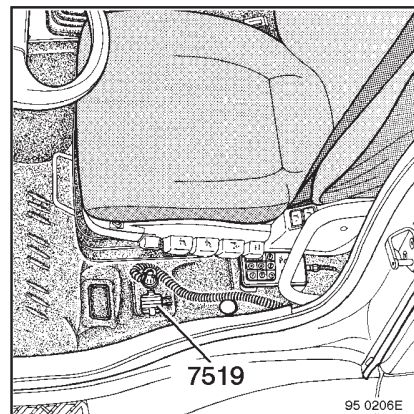
8060



8011

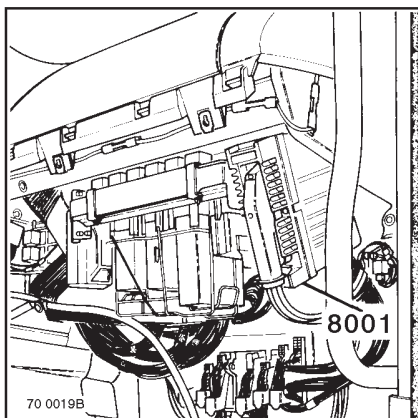


8020



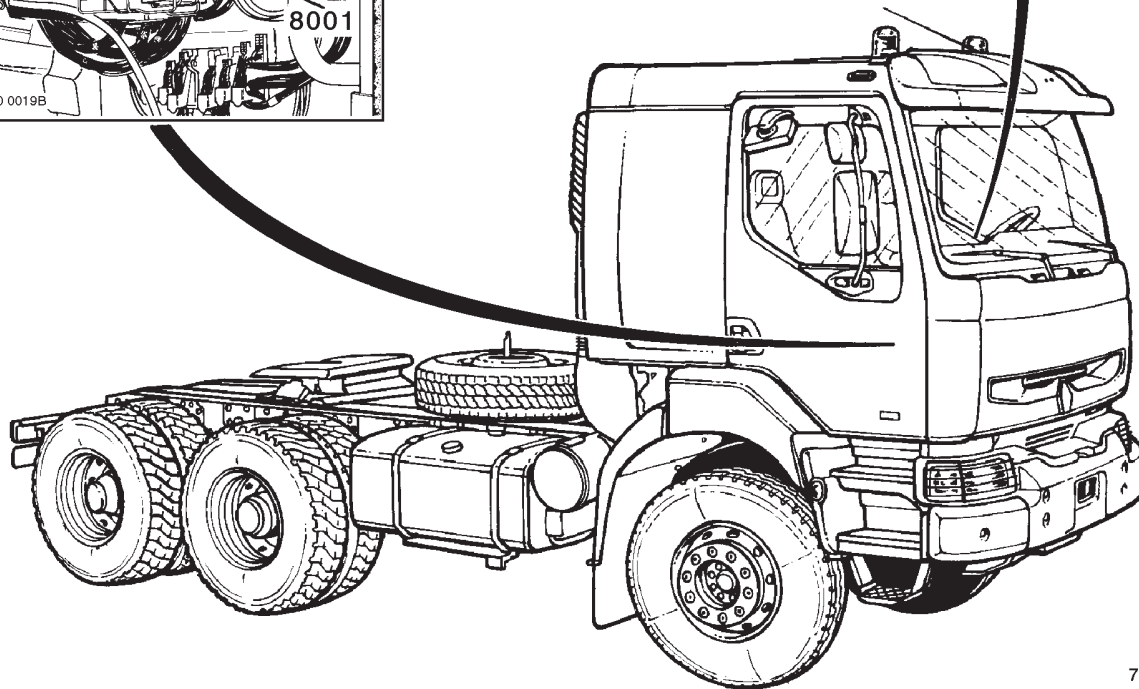
7519

95 0206E



8001

70 0019B



70 0390

Equipment ABS / ASR

Layout of appliances in cab

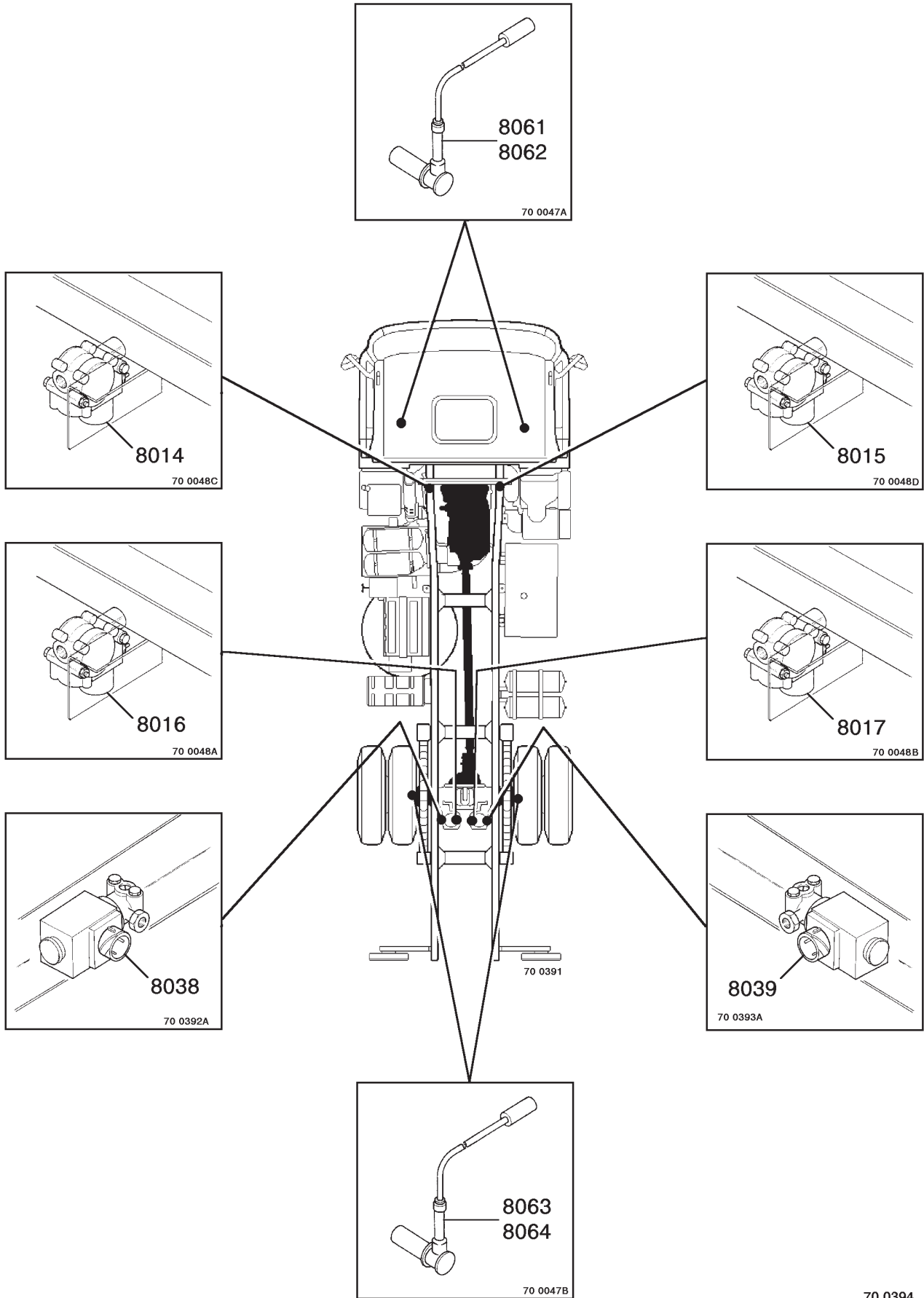
Appliance

Plate

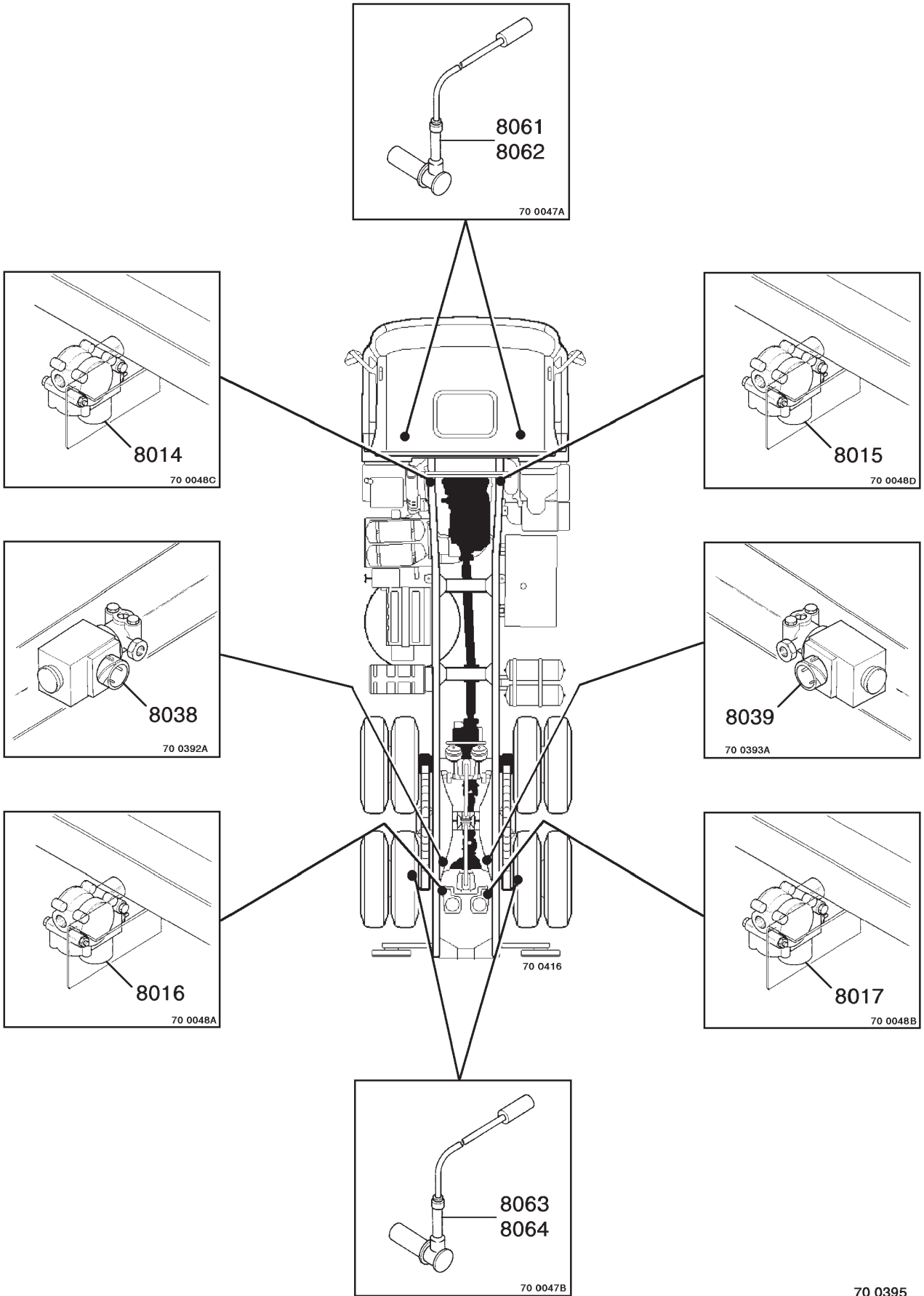
7519 – Diagnostics socket	B18/B19
8001 – ABS/ASR ECU	D18/D19
8011 – ABS safety warning lamp	C18/C19
8020 – Roadwheels slipping or ASR in operation warning lamp	D18
8060 – ASR off-road control	B18

Equipment ABS / ASR**Layout of appliances on chassis**

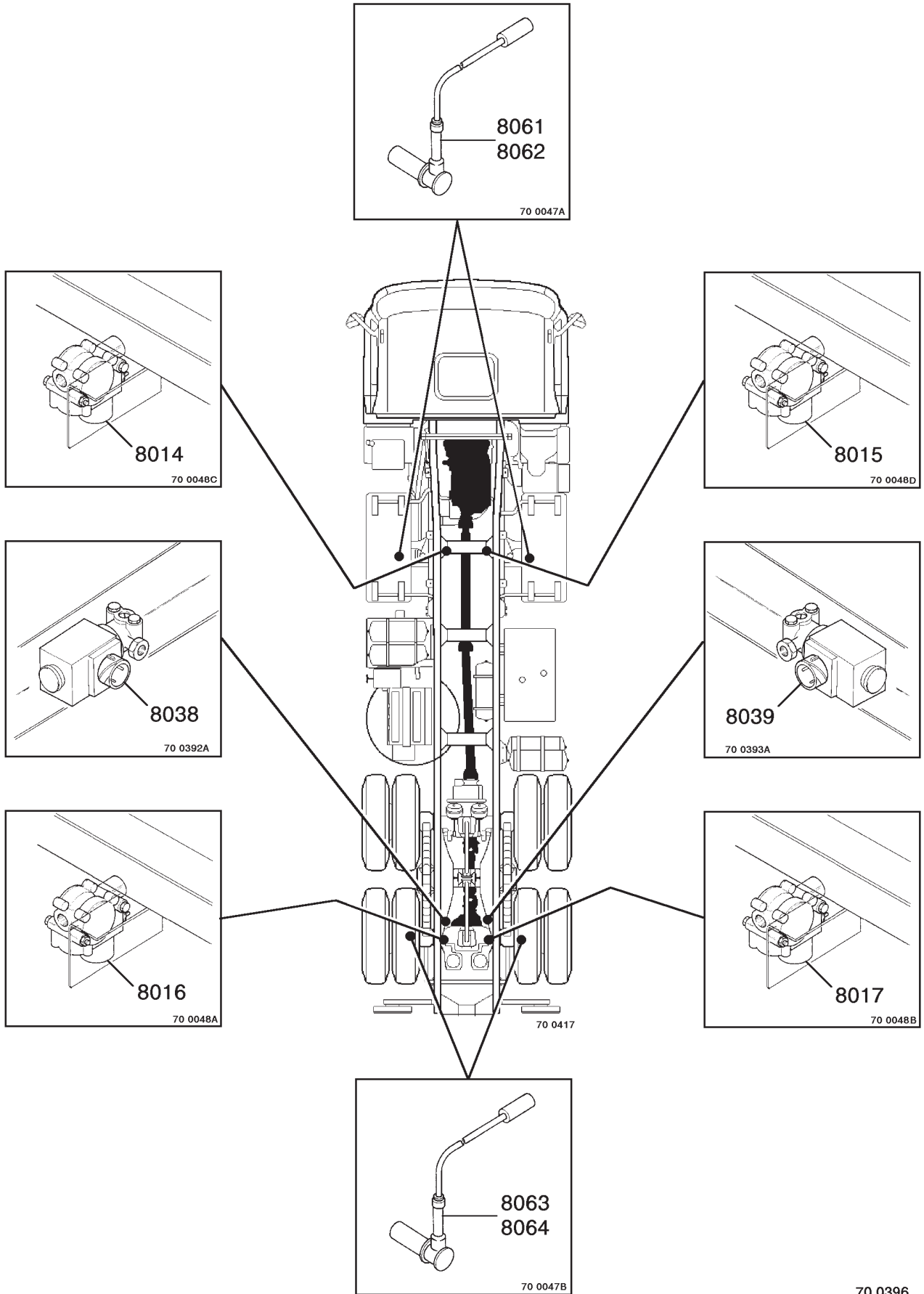
Appliance	Plate
8014 – ABS LH front roadwheel electrovalve	C18/C19
8015 – ABS RH front roadwheel electrovalve	C18/C19
8016 – ABS LH rear roadwheel electrovalve	C18/C19
8017 – ABS RH rear roadwheel electrovalve	C18/C19
8038 – ASR LH relay	D18/D19
8039 – ASR RH relay	C18/C19
8061 – ABS LH front roadwheel sensor	B18/B19
8062 – ABS RH front roadwheel sensor	B18/B19
8063 – ABS LH rear roadwheel sensor	B18/B19
8064 – ABS RH rear roadwheel sensor	B18/B19



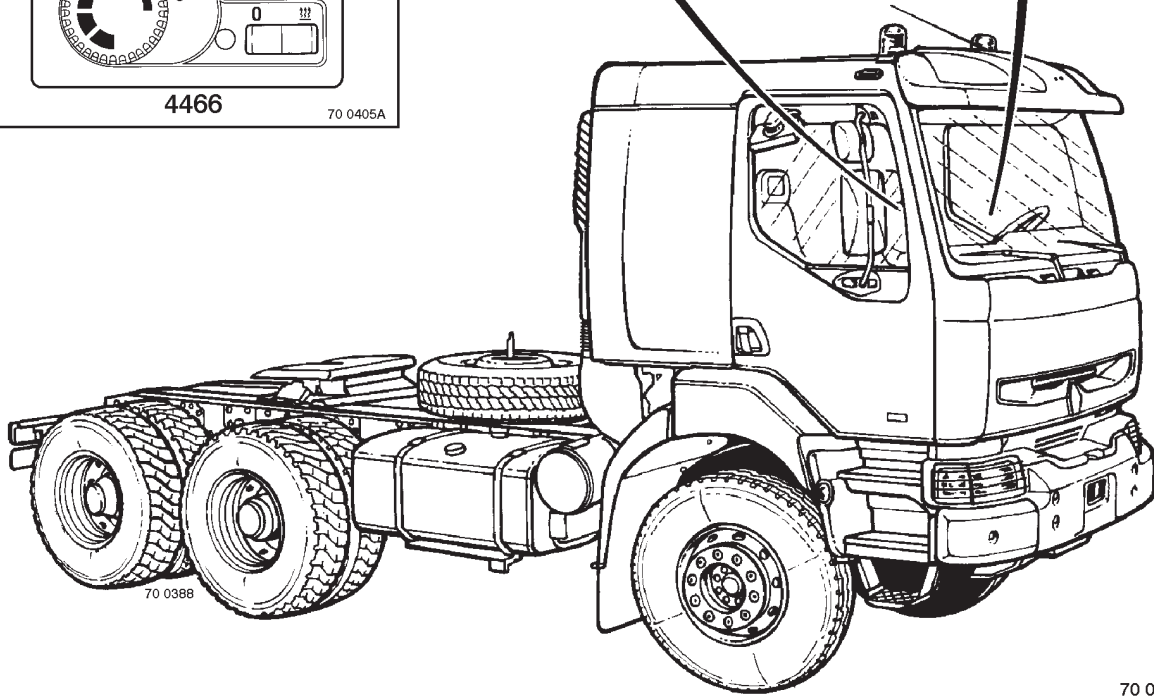
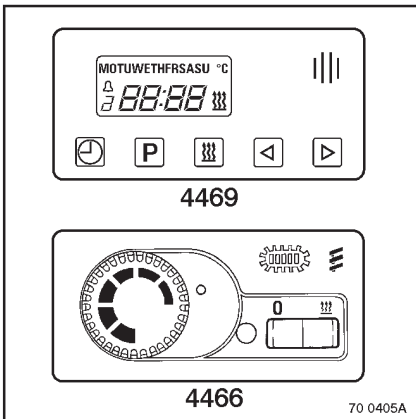
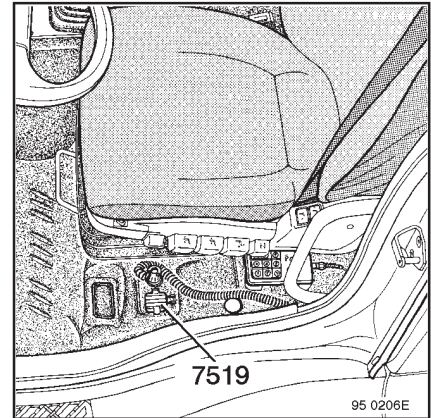
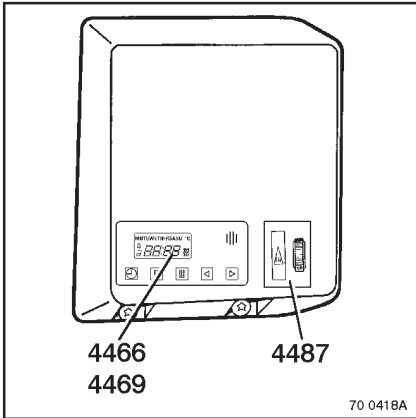
Equipment ABS / ASR "4x2 - 4x4"



Equipment ABS / ASR "6x4 - 6x6"



Equipment ABS / ASR "8x4"

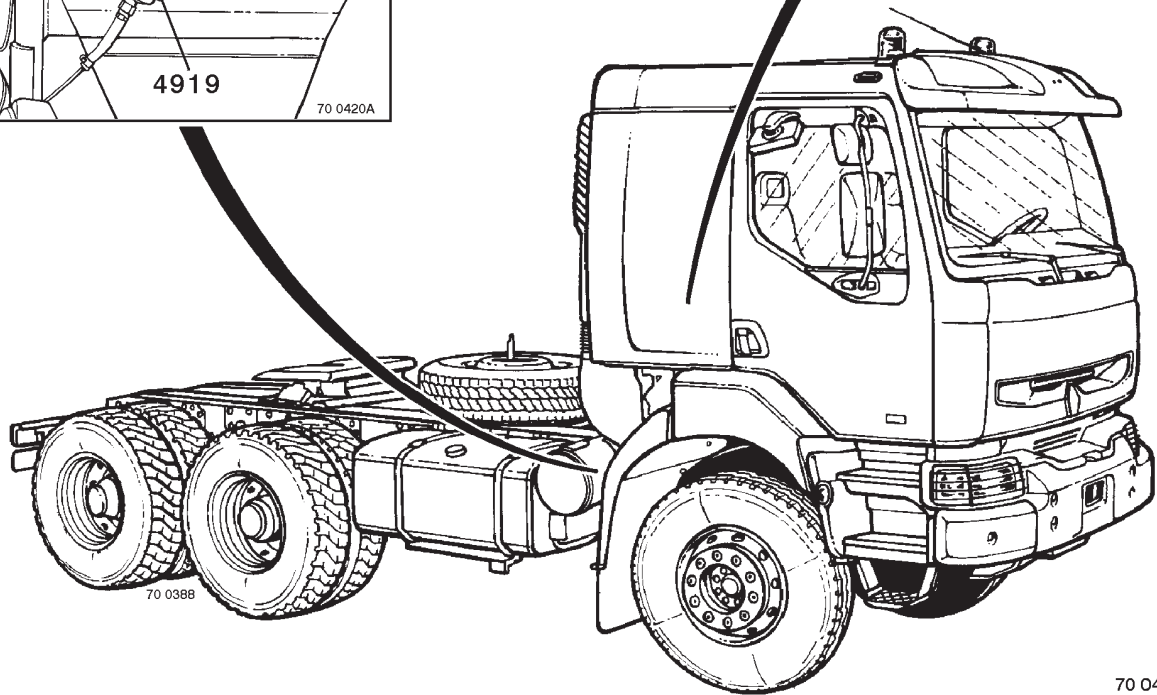
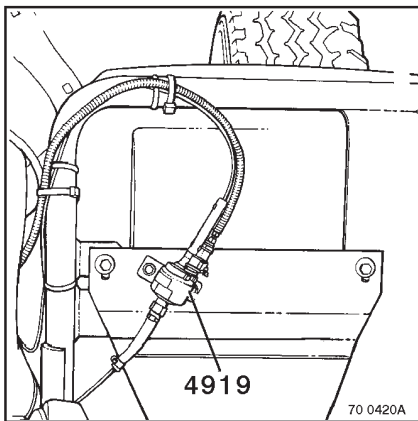
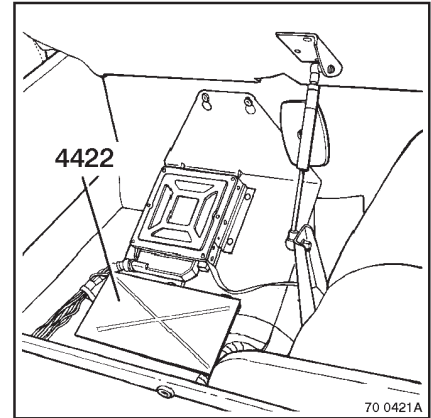


Independent heater “D1LCC”

Appliance

Plate

4466 – Independent heater control	C21
4469 – Independent heating timer control	E21
4487 – Temperature control unit	D21
7519 – Diagnostics socket	B21/E21



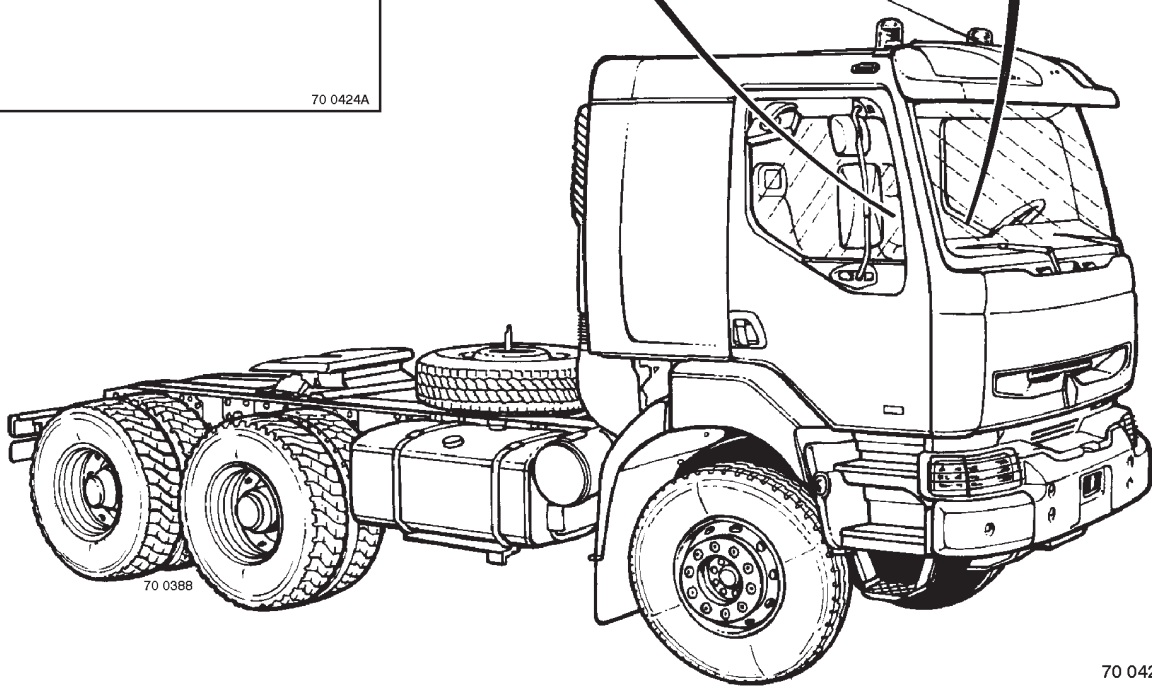
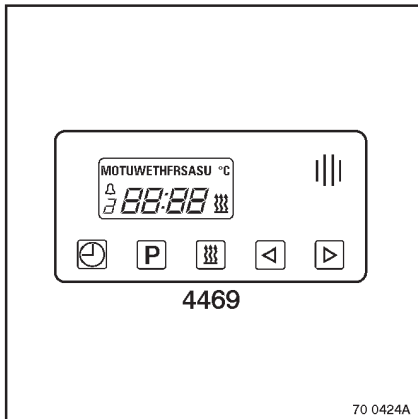
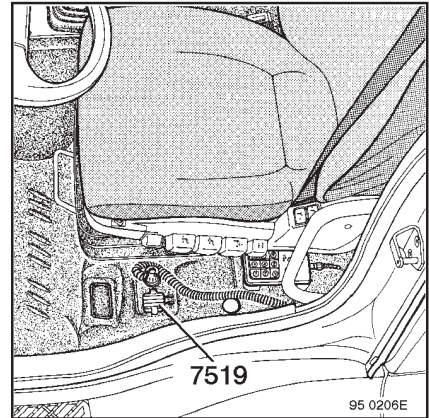
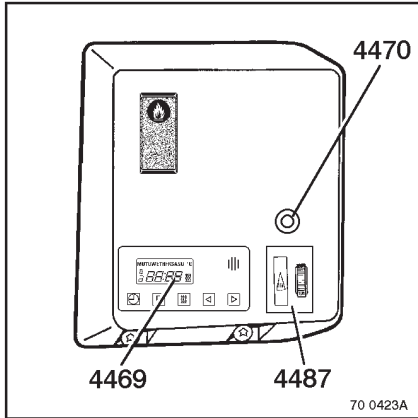
Independent heater “D1LCC”

Appliance

4422 – Independent heater
 4919 – Fuel feed pump

Plate

B21/D21
 A21/D21



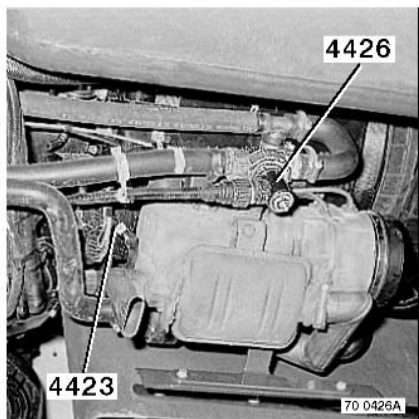
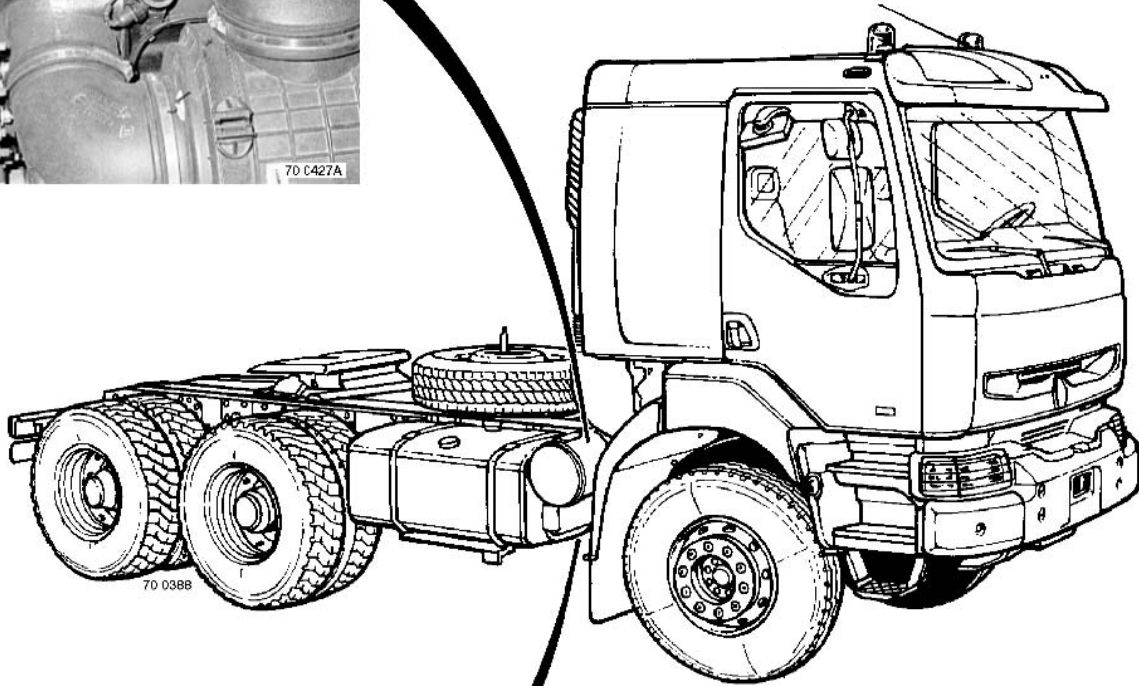
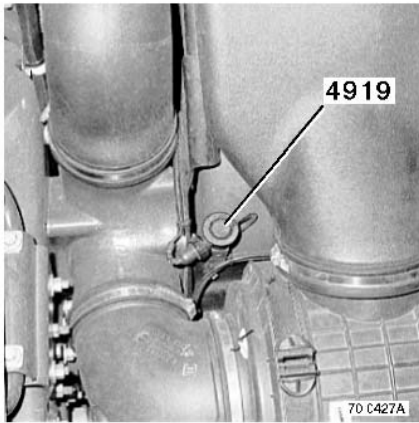
70 0425

Independent heater “Thermo 90S”

Appliance

Plate

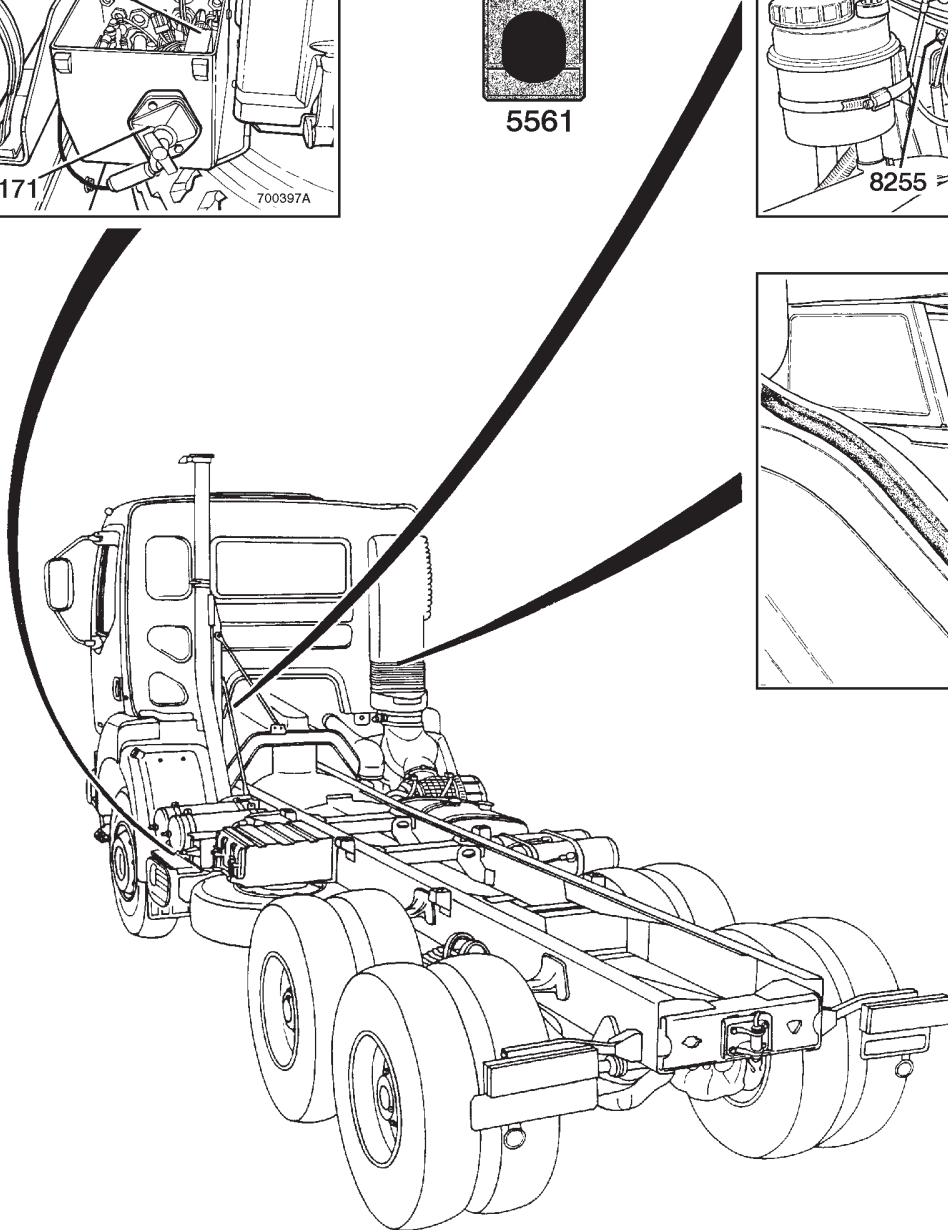
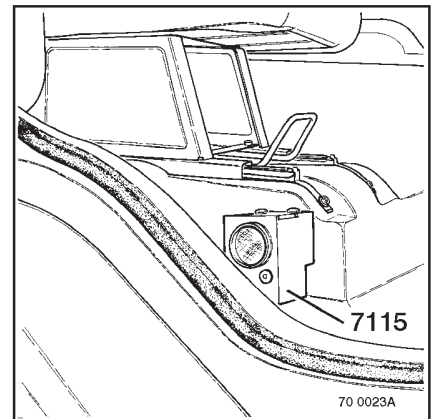
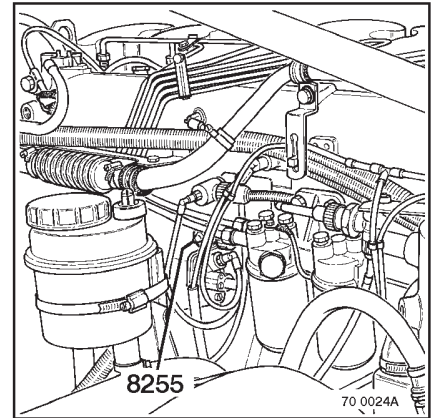
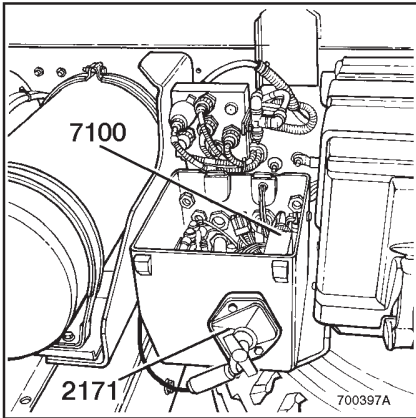
4469 – Independent heating timer control	E22
4470 – Interior temperature sensor	C22
4487 – Temperature control unit	C22
4938 – Cooling circuit main solenoid valve control	E22
7519 – Diagnostics socket	D22



70 0428

Independent heater “Thermo 90S”

Appliance	Plate
4423 – Independent heater	D22
4426 – Main water circuit solenoid valve	E22
4919 – Fuel feed pump	D22



70 0398

ADR equipment

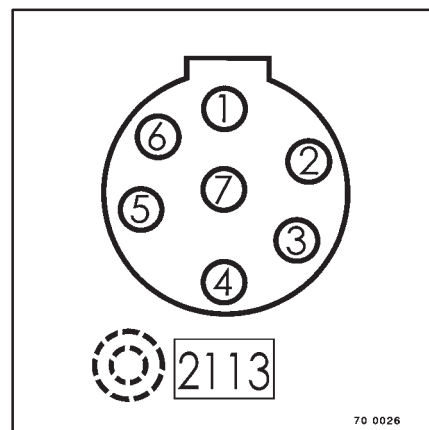
Appliance

Plate

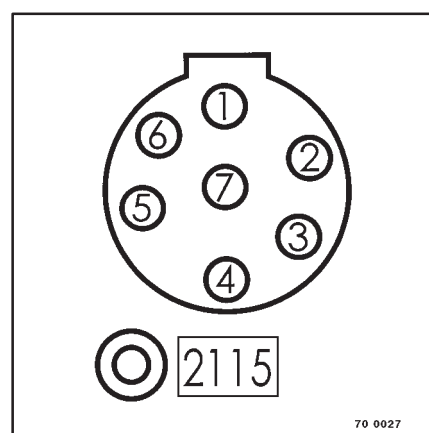
2171 – ADR master switch	D17
5561 – Gate valves illumination control	B17
7100 – Current limiter	B17
7115 – Hourmeter	B17
8255 – RTMDR engine shut-off electrovalve	A17

Trailer sockets**2113 – Trailer socket, 7–pin type “N”**

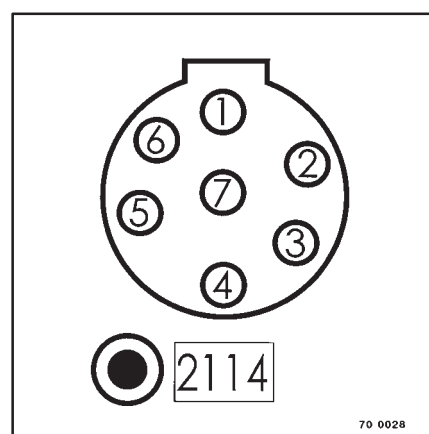
Terminal	Assignment	Fuse	Amp.
1	Earth	–	–
2	Trailer LH side/parking lamp	F4	10A
3	Trailer LH flashing lights	F34	10A
4	Trailer stop lamp	F27	10A
5	Trailer RH flashing lights	F34	10A
6	Trailer RH side/parking lamp	F4	10A
7	Exhaust brake	F1	10A

**2115 – Trailer socket, 7–pin type “24S”**

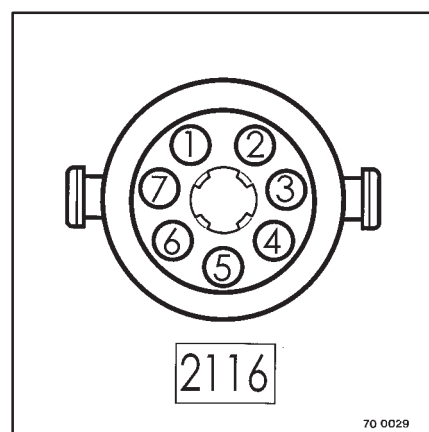
Terminal	Assignment	Fuse	Amp.
1	Earth	–	–
2	Available	–	–
3	Trailer reversing lamp	F16	10A
4	Trailer + 24 Volts power	F43	10A
5	Available	–	–
6	Trailer + 24 Volts power	F43	10A
7	Trailer fog lights	F8	10A

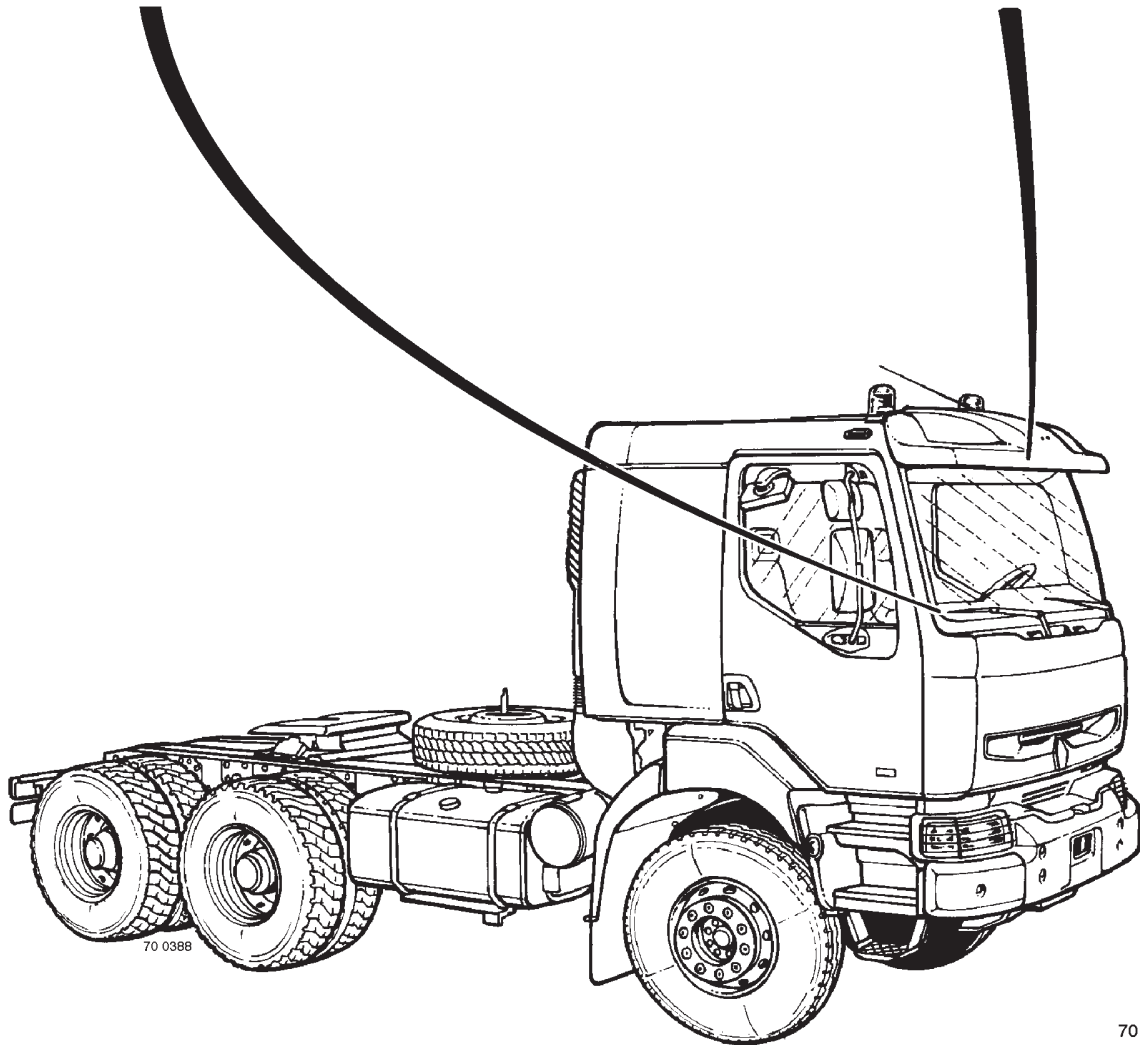
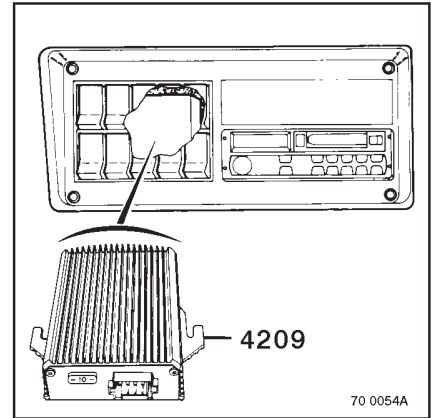
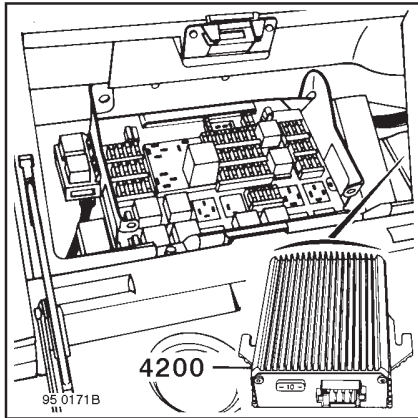
**2114 – Trailer socket, 7–pin type “24P”**

Terminal	Assignment	Fuse	Amp.
1	Earth	–	–
2	Gate valves illumination	F43	10A
3	Trailer reversing lamp	F16	10A
4	Trailer marker lights	F2	10A
5	Earth	–	–
6	Available	–	–
7	Trailer fog lights	F8	10A

**2116 – Trailer socket, 7–pin type “ABS”**

Terminal	Assignment	Fuse	Amp.
1	Available power supply (after master switch)	F36	20A
2	Available power supply (after ignition)	F1	10A
3	Earth	–	–
4	Earth	–	–
5	Trailer ABS safety warning lamp	–	–
6	Available	–	–
7	Available	–	–





70 0399

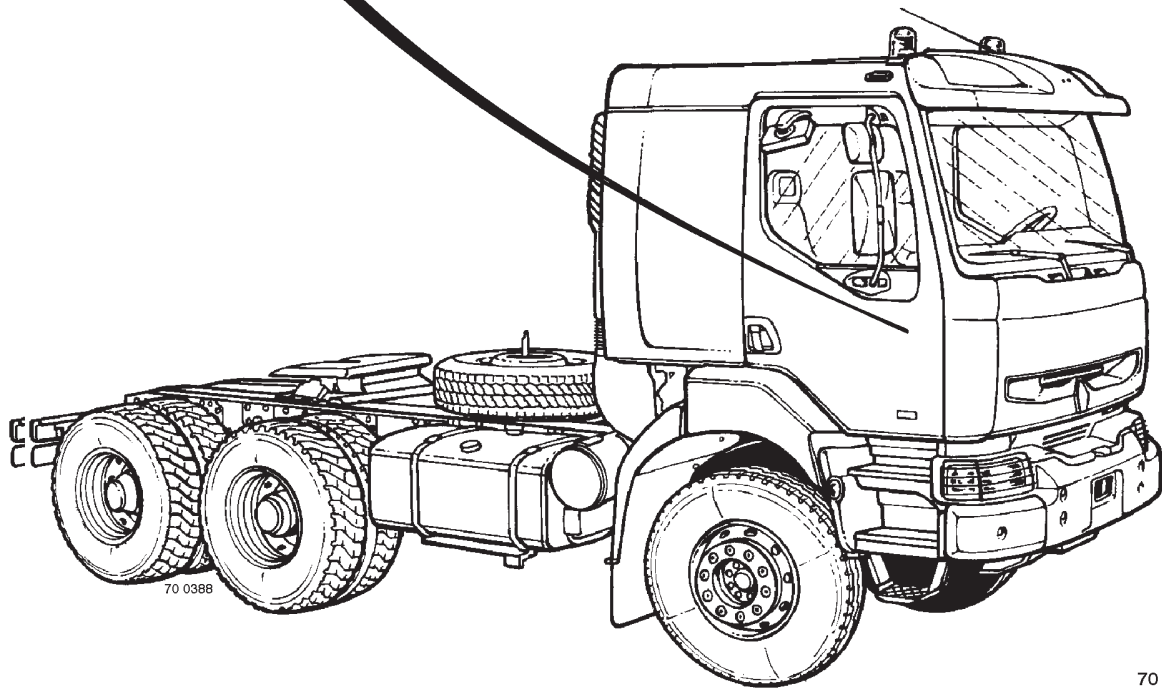
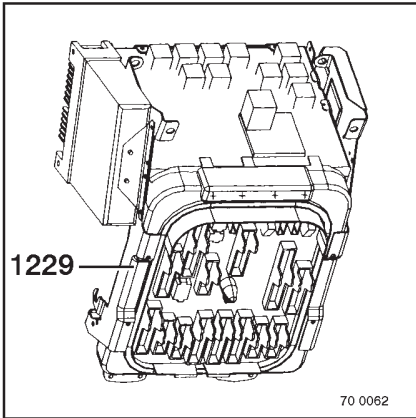
Voltage dropper

Layout of appliances in cab

Appliance

Plate

4200 – Voltage dropper (12 Volt socket)	C15
4209 – Voltage dropper (telecommunications)	A15



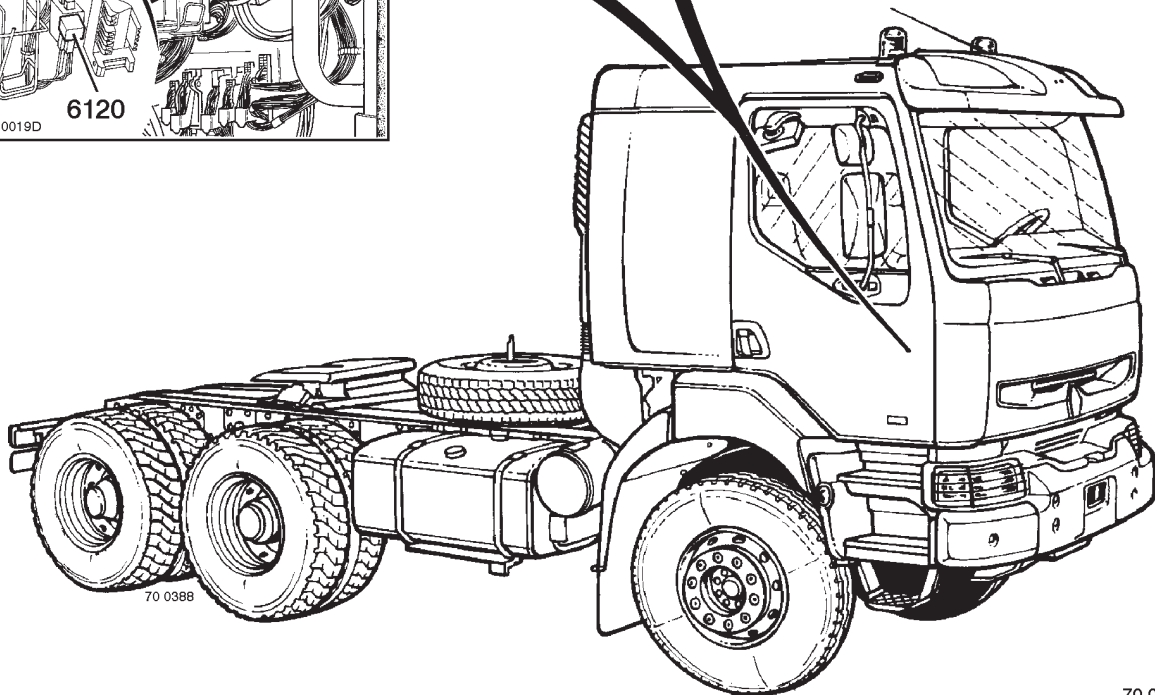
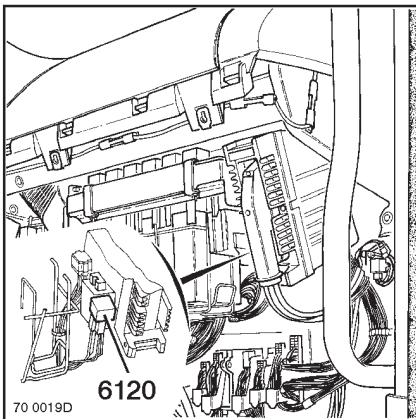
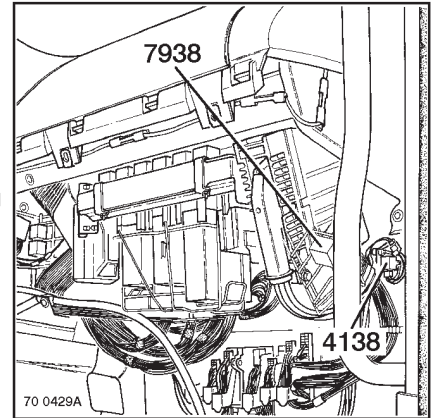
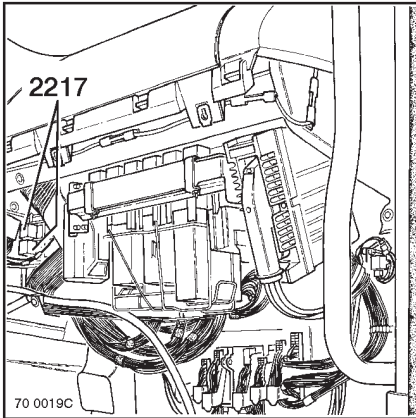
Connection unit

Layout of appliances in cab

Appliance

Plate

1229 – Chassis–cab connection unit	E3
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70 0401

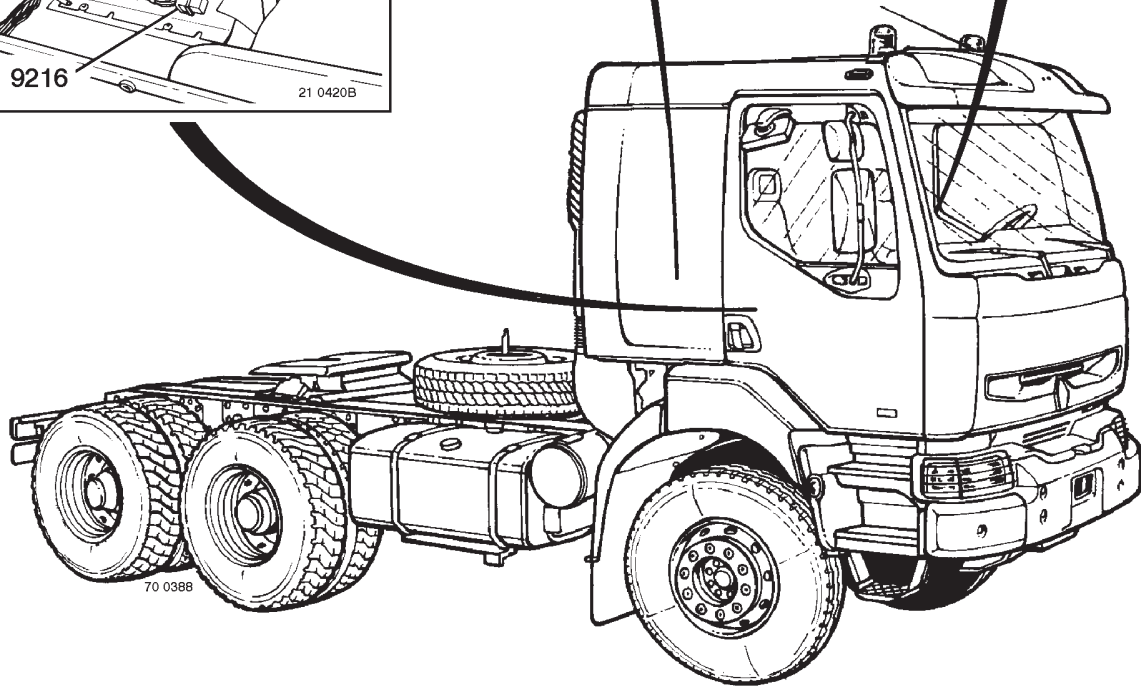
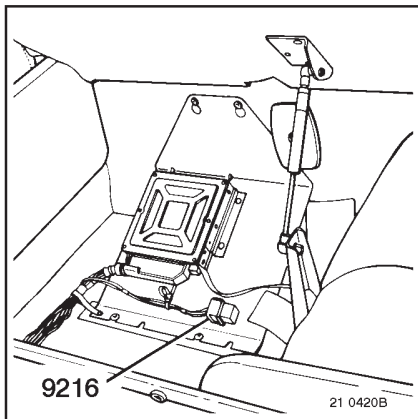
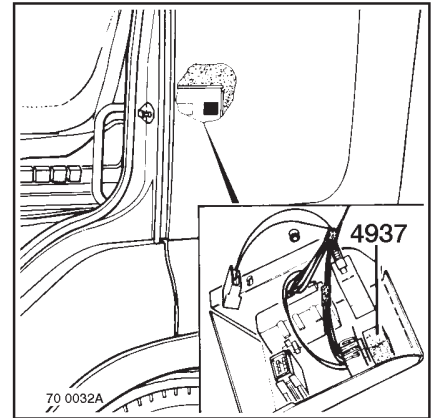
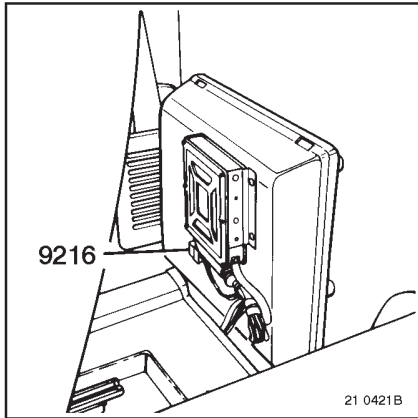
Relays away from connection unit

Layout of appliances in cab

Appliance

Plate

2217 – Anti-starting relay	A2 / B2
4138 – Windscreen defrosting time-delay relay	E14
6120 – Daytime lights relay	A5
7938 – “J” brake relay	E11



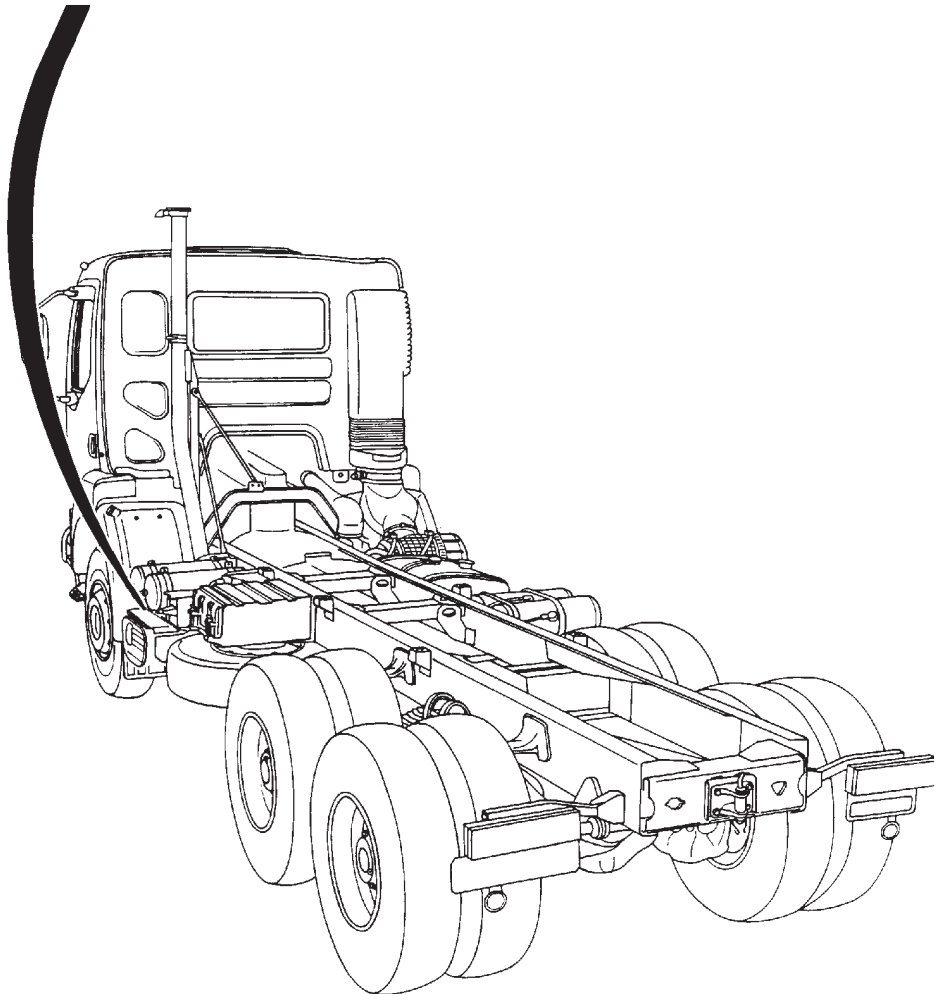
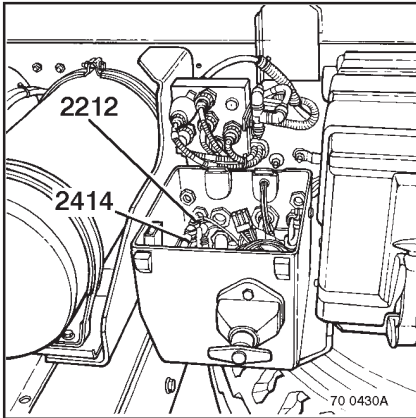
Relays away from connection unit

Layout of appliances in cab

Appliance

Plate

4937 – Independent heater relay	E22
9216 – “ITC” safety relay	D16

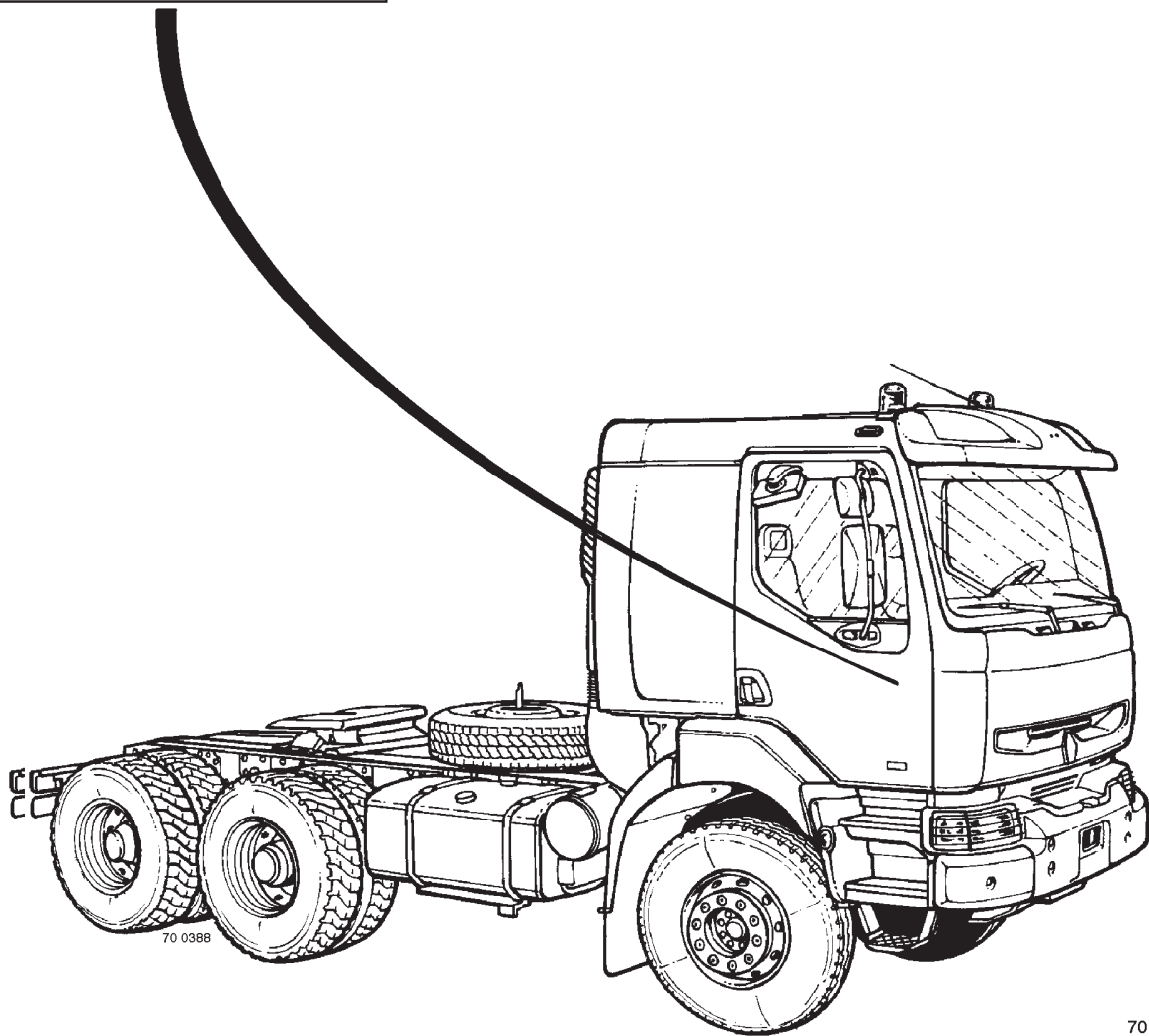
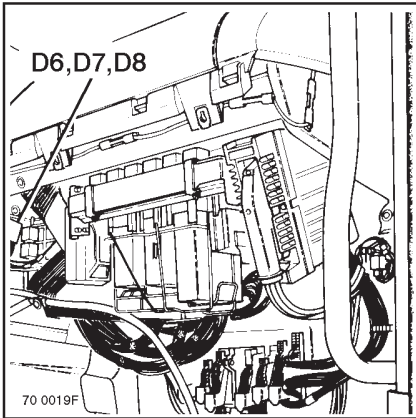


70 0403

Relays away from connection unit

Layout of appliances on chassis

Appliance	Plate
2212 – Starting relay	A1
2414 – Preheating relay	D2



70 0404

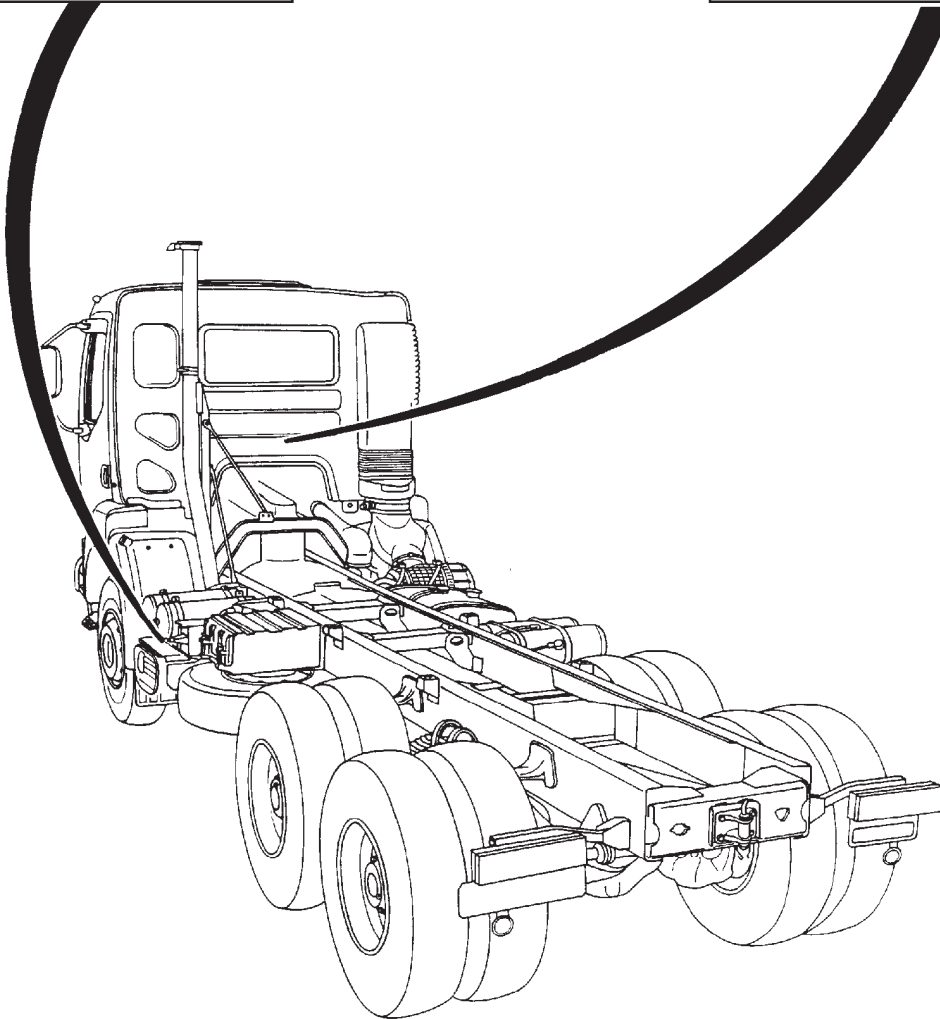
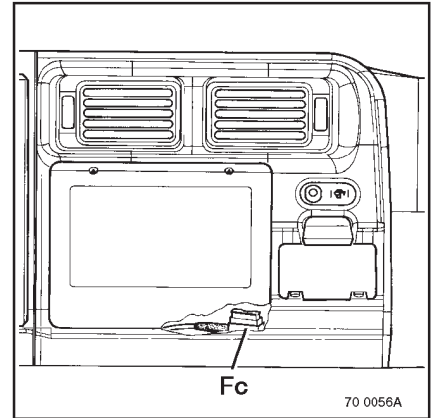
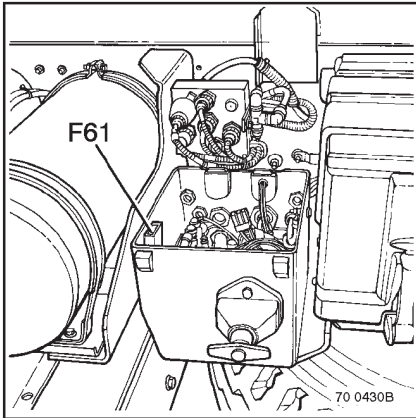
Diodes away from connection unit

Layout of appliances in cab

Assignment

Plate

D6 / D7 – Anti-starting diodes	A2
D8 – Infra-red remote control safety diode "TIR"	–



70 0408

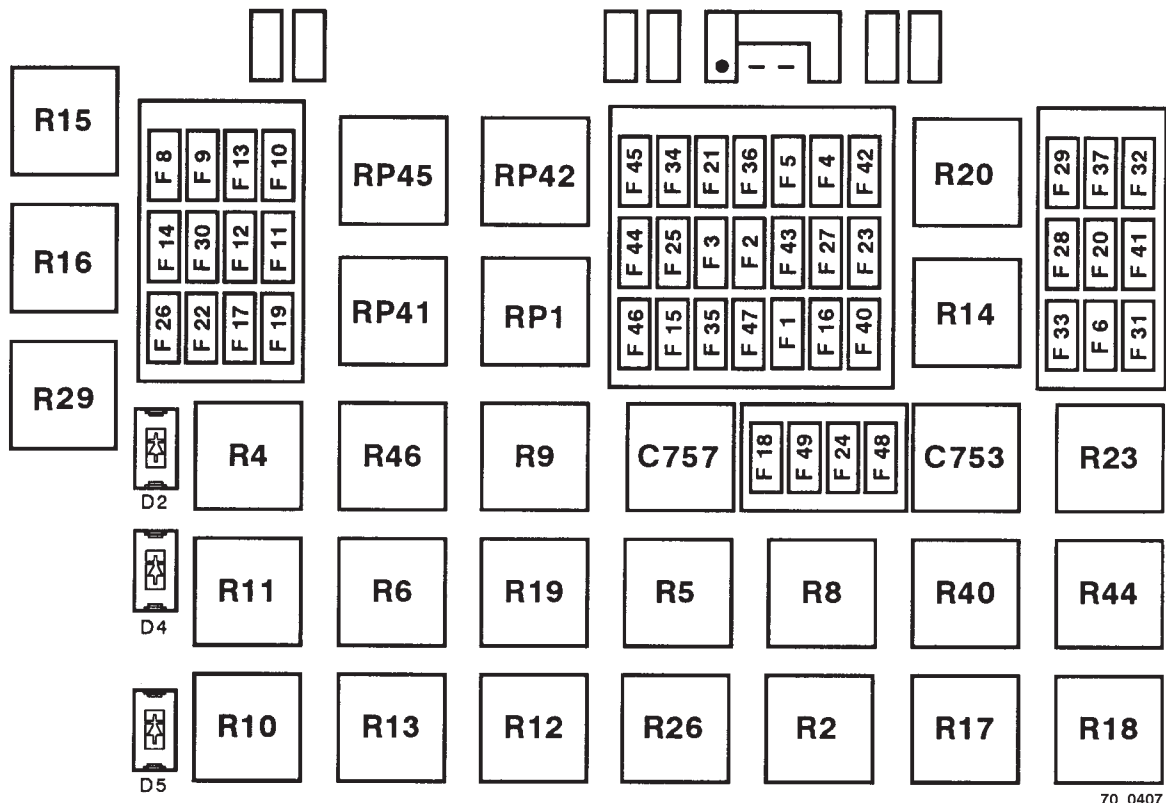
Fuses away from connection unit

Assignment

Plate

F61 – Windscreen defrosting fuse	E14
Fc – Air conditioning fuse	B22

FUSES / RELAYS / DIODES



70 0407

FUSES

Table of fuses on connection unit

Assignment	Item	Amp.	Plate
Hourmeter	F1	10	C1
Available power supply (after ignition key)	F1	10	B3
Trailer socket 7-pin ("ABS")	F1	10	C1
"SERVICE" and "DANGER" warning lights power supply	F1	10	C1
ABS/ASR solenoid valves (LH front/RH rear) relay	F1	10	C1
ABS/ASR solenoid valves (RH front/LH rear) relay	F1	10	C1
"ABS" safety relay	F1	10	C1
"ABS-ASR" ECU	F1	10	C1
Electric retarder cut-off relay	F1	10	C1
RH side/parking lights	F2	10	E4
RH marker lights	F2	10	E4
Available power supply (lighting)	F3	10	D3
LH side/parking lights	F3	10	E3
LH marker lights	F3	10	E3
Trailer side/parking lights	F4	10	D4
Available power supply (lighting)	F5	10	D3
Dashboard instruments lighting	F6	10	D4
Switch lighting	F6	10	D4
Fog light(s)	F8	10	A4
Fog driving lights	F9	10	B4
RH main beam headlight	F10	10	C4
LH main beam headlight	F11	10	C4
LH dipped beam headlight	F12	10	C4
RH dipped beam headlight	F13	10	C4
Long beam driving lights	F14	10	B4
Windscreen wiper speed controller	F15	10	C1
Electronic tachograph	F15	10	C1
Stop lights switch	F16	10	C1
"DELTA 2" gearbox protection box	F16	10	C1
Reversing lamp(s)	F16	10	C1
Reversing buzzer	F16	10	C1
Daytime lights relay	F16	10	C1
Engine cooling system temperature and oil level box	F16	10	C1
Dashboard warning lights power supply	F16	10	C1
Mechanical speed limiter	F16	10	C1
Windscreen and rearview mirrors defrosting control	F16	10	C1
Radio	F17	20	E15
Air conditioning	F18	20	B1
Fan coil heaters	F18	20	B1
Fuel filter preheater	F19	25	C2
Revolving beacons	F20	10	B5
Roof air vent motor	F20	10	A13
Power supply (after master switch)	F21	10	C3/E3
Refrigerator	F21	10	A14
Independent heater "D1LCC"	F22	20	A21/C21
Independent heater "Thermo 90S"	F22	30	D22
Ventilation control box	F22	30	D22

FUSES

Table of fuses on connection unit

Assignment	Item	Amp.	Plate
Driver's overhead light	F23	10	E12
Passenger(s) overhead light	F23	10	E12
Bottom bunk overhead light	F23	10	E12
Top bunk overhead light	F23	10	E12
Step light	F23	10	E12
Side locker light	F23	10	E12
Voltage dropper (telecommunications)	F23	10	A15
Driver's window winder motor	F24	20	B1
Passenger's window winder motor	F24	20	B1
Tachograph clock	F25	5	E1/C17
Horn	F26	10	A5
Stop lights	F27	10	D5
"ABS-ASR" ECU	F28	10	D18/D19
LH swivelling defrosting rearview mirror	F29	10	D14
RH swivelling defrosting rearview mirror	F29	10	D14
Windscreen defrosting time-delay relay	F29	10	D14
Tachograph accessories power supply	F30	20	E15
Headlamps adjustment motors	F30	20	E15
Heated driver's seat	F30	20	E15
Heated passenger seat	F30	20	E15
Cigar lighter	F30	20	E15
Voltage dropper (12V socket)	F30	20	E15
Daytime lights	F31	20	A5
Windscreen wiper motor	F32	20	D6
Windscreen washer pump	F32	20	D6
Headlamps washer pump	F32	20	D6
Diagnostics socket	F33	10	A3
Flasher unit	F34	10	E1
Radio tuner memory power supply	F34	10	E1
Independent heater "D1LCC"	F34	10	E1
Independent heater programming control	F34	10	E1
Available power supply (after ignition key)	F35	15	E3
Trailer socket 7-pin ("ABS")	F36	20	B6
Passenger side electric door striker	F37	10	D13
Driver side electric door striker	F37	10	D13
Gate valve illumination	F43	10	B12
Working spotlamp (tractor)	F43	10	B17
Front grille lighting	F43	10	B12
Trailer + 24 Volts power supply	F43	10	B12
Doors central locking box	F45	10	E1
Engine preheating control	F46	10	B1
Fuel filter preheater control	F46	10	B1
Speed limiter ECU	F46	10	B1
Jake brake electrovalves	F46	10	B1
Power steering system "Alert" relay	F46	10	B1
Fan coil heaters	F46	10	B1
"ITC" ECU	F49	3	B1

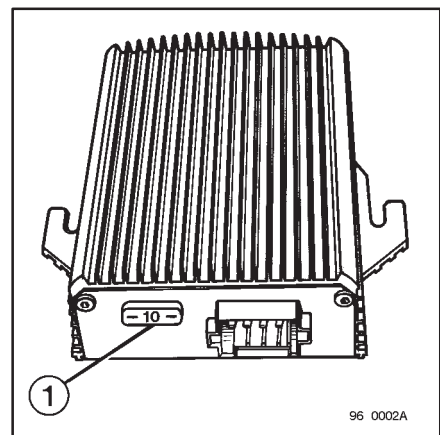
FUSES

Table of fuses away from connection unit

Assignment	Item	Amp.	Plate
Windscreen defrosting	F61	50	E14
Air conditioning	Fc	15	A22

Voltage dropper

A fuse (1) protects the appliance against polarity reversal at battery level.

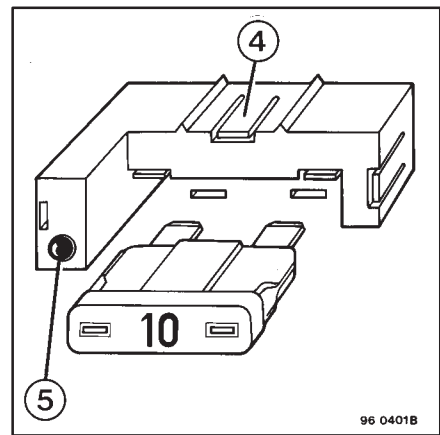


Fuses test

To test the fuses:

- Engage the master switch.
- Place the fuse in the tester (4).

If the fuse is defective, warning light (5) stays out.



RELAYS

Table of relays on connection unit

Assignment	Item	Amp.	Plate
After ignition power supply relay N° 1	RP1	50	C1
Power after ignition relay	R2	25	B1
Oil pressure relay	R4	25	D1/A17
Side / parking lights relay	R5	25	E4
Comfort accessories relay	R6	25	E15
Lighting relay	R8	25	D4
Fog driving lights relay	R9	25	B4
Fog lights relay	R10	25	A4
Dipped beam headlights relay	R11	25	C4
Main beam headlights relay	R12	25	C4
Long range driving lights	R13	25	B4
Stop lights relay	R14	25	D5
“ABS” safety relay	R17	25	C18/C19
Electric retarder cut-off relay	R18	25	B18/B19
Speed limiter relay	R19	25	B11/C11
Rearview mirrors and windscreen defrosting relay	R20	25	D14
Revolving beacon(s) relay	R23	25	B5
Available relay N° 1	R26	25	–
Available relay	R40	25	–
Fuel preheater relay	RP41	50	D2
Available relay	RP42	50	–
Available relay	R44	25	–
Available relay	RP45	50	–
Independent heater relay	R46	25	E20/B22
Headlamp washer time-delay relay	C753		A6

Table of relays away from connection unit

Assignment	Item	Amp.	Plate
ABS/ASR solenoid valves (RH front/LH rear) relay	R15	25	E18/E19
ABS/ASR solenoid valves (LH front/RH rear) relay	R16	25	D18/D19
Independent heater relay	R28	25	E22
“ABS” cut-off relay	R29	25	A19
“J” brake relay	R30	25	E11
Anti-starting relay	R31	25	B2
Anti-starting relay	R32	25	A2
“ITC” safety relay	R37	25	D1
Daytime lights relays	R45	25	A5
Windscreen defrosting relay (time-delayed)	R48	50	E14
Power steering system “Alert” relay	R56	25	A11
Preheating relay	CE20	50	D2
Starting relay	CE112	50	A1

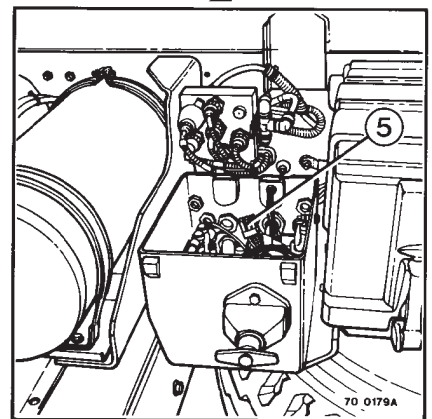
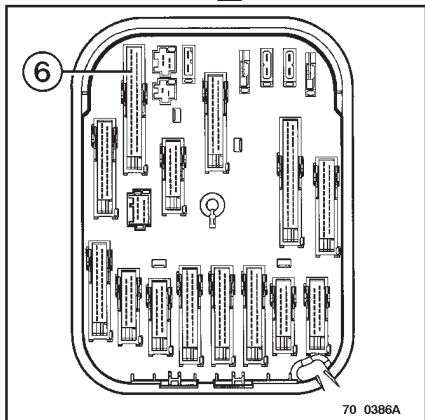
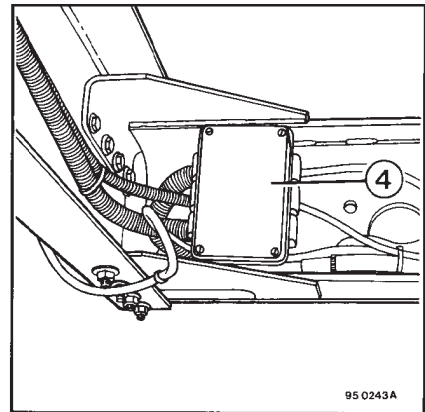
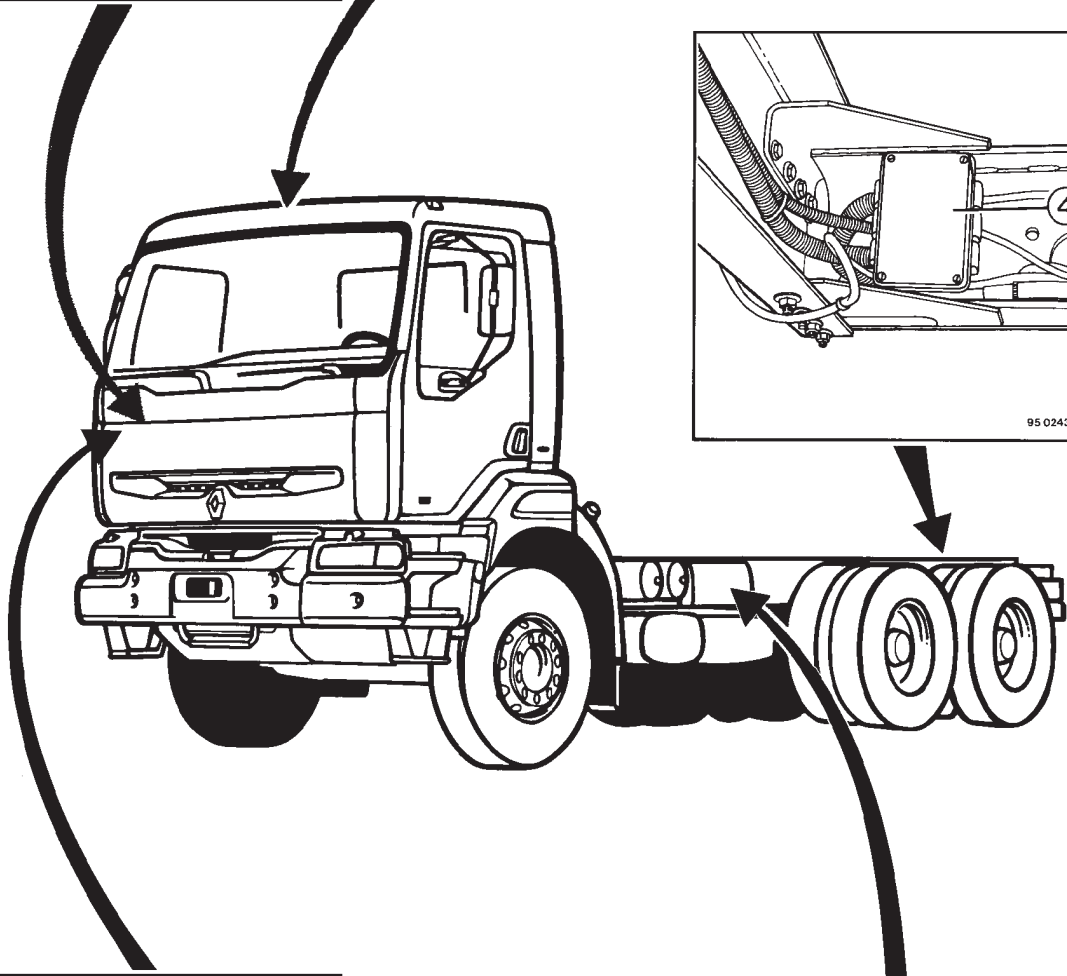
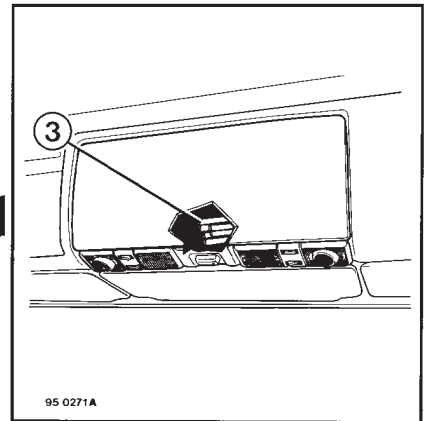
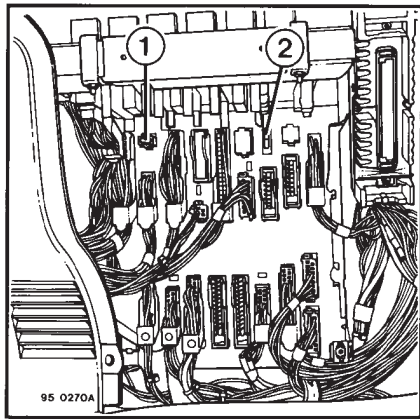
DIODES**Table of diodes on connection unit**

Assignment	Item	Plate
Oil pressure diode	D2	D1/B17
Fog driving lights diode	D4	A4
Available diode	D5	—

Table of diodes away from connection unit

Assignment	Item	Plate
Anti-starting diode	D6	A2
Anti-starting diode	D7	A2
Infra-red remote control safety diode "TIR"	D8	—

AVAILABLE POWER SUPPLIES



70 0181

AVAILABLE POWER SUPPLIES**LOCATION 1****GREY connector**

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (after master switch)	208	F21	10

LOCATION 2**GREY connector**

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (after ignition)	275	F35	15

LOCATION 3

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (lighting)	305	F3	10
Available + 12V power supply (CB)	4000	F23	10
Available – power supply (CB)	144	F23	10
Available + 12V power supply (radiotelephone)	46	F23	10
Available – power supply (radiotelephone)	155	F23	10

LOCATION 4**WHITE connector**

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (lighting)	632	F5	10

LOCATION 5**BLACK connector**

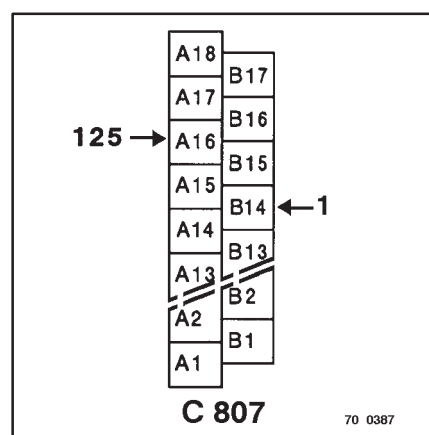
Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (after master switch)	208	F21	10
Available power supply (after ignition)	275	F35	15
Available power supply (lighting)	632	F5	10

AVAILABLE POWER SUPPLIES

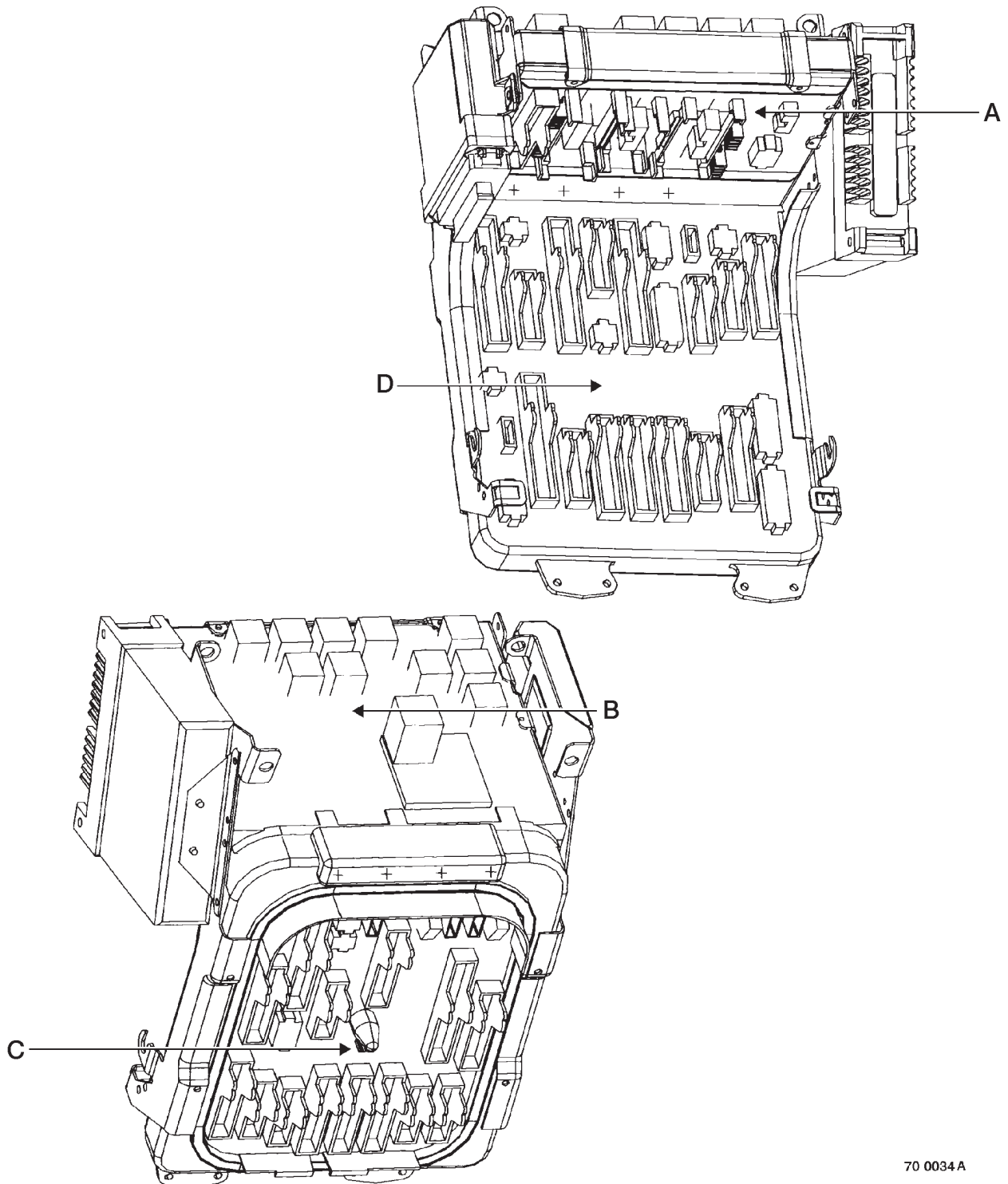
LOCATION 6

WHITE connector *C807*

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (Tipper tipped "Alert" warning light)	715	F16	10



CONNECTION UNIT



70 0034 A

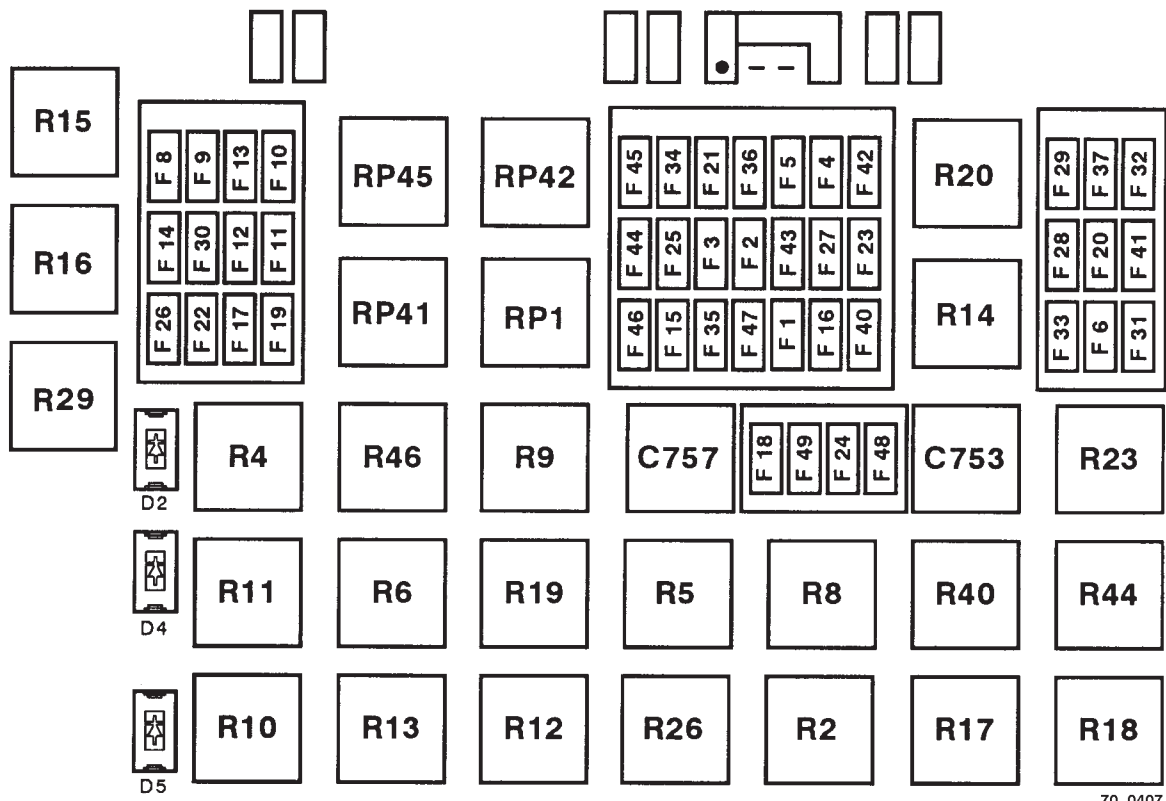
Connection unit

Face "A" see detail page F4

Face "B" see detail page F3

Face "C" see detail page F12

Face "D" see detail page F6



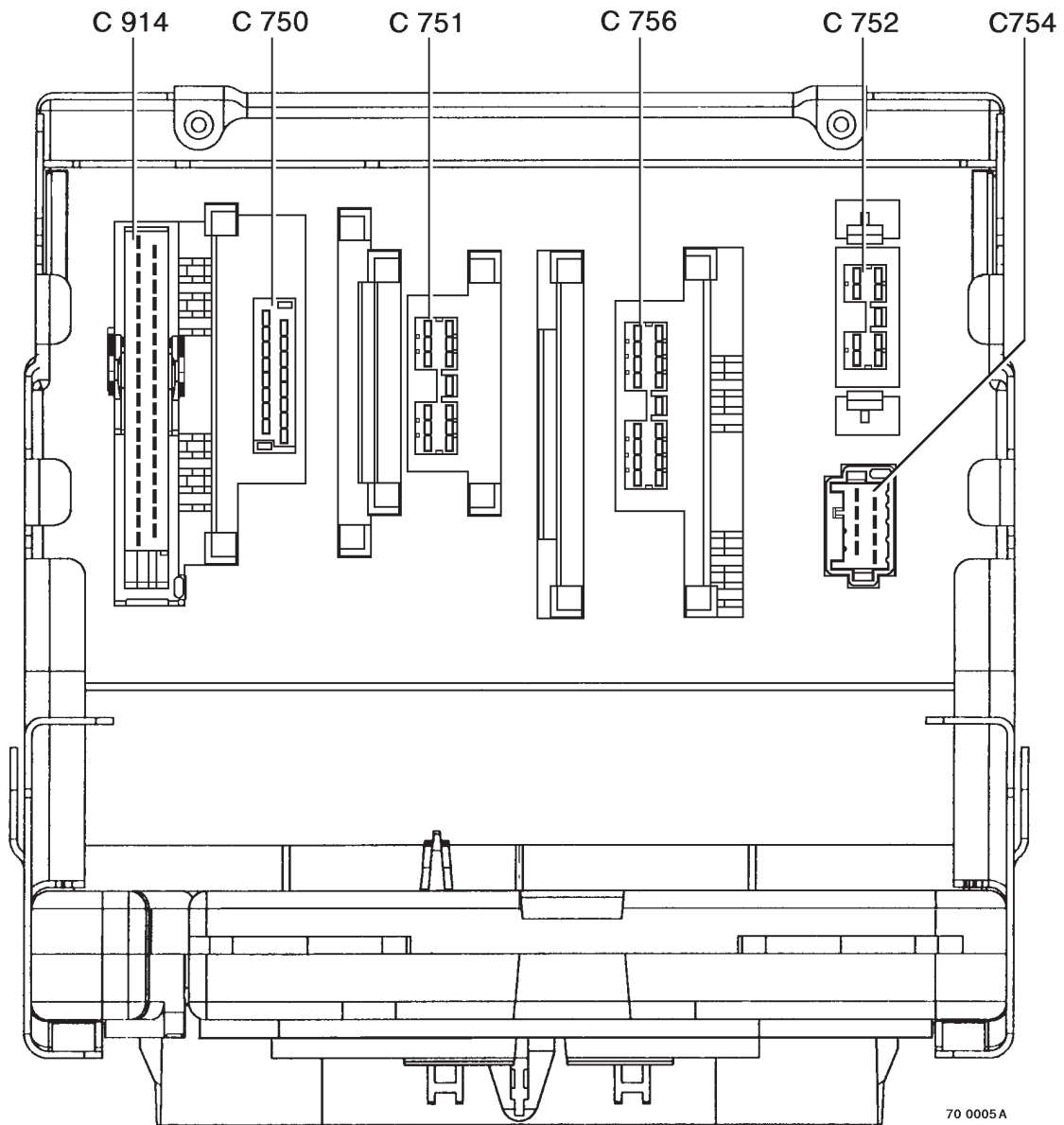
70 0407

Face B connectors

Fuses see detail page D3

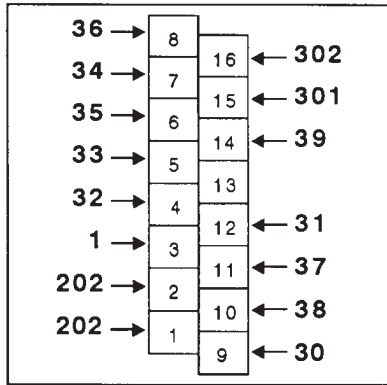
Relays see detail page D6

Diodes see detail page D7

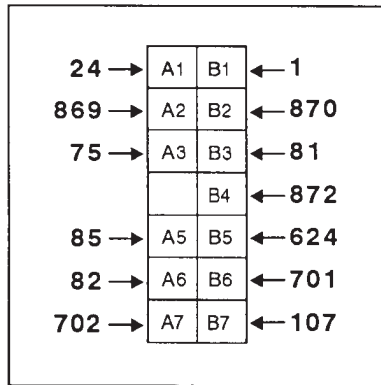


Face A connectors

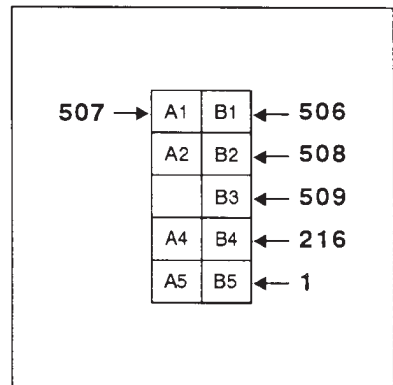
Number	Assignment	Colour	Number of ways
C750	Flasher unit	N	16
C751	Oil level / coolant temperature box	N	13
C752	Windscreen wiper speed controller	N	9
C754	Daytime lights wiring harness	Vi	8
C756	Speed limiter ECU	N	17
C914	Dashboard (basic) wiring harness	Bu	35



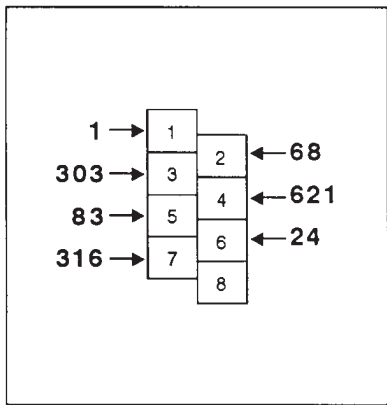
C750



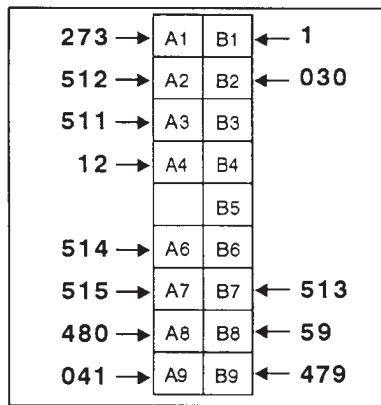
C751



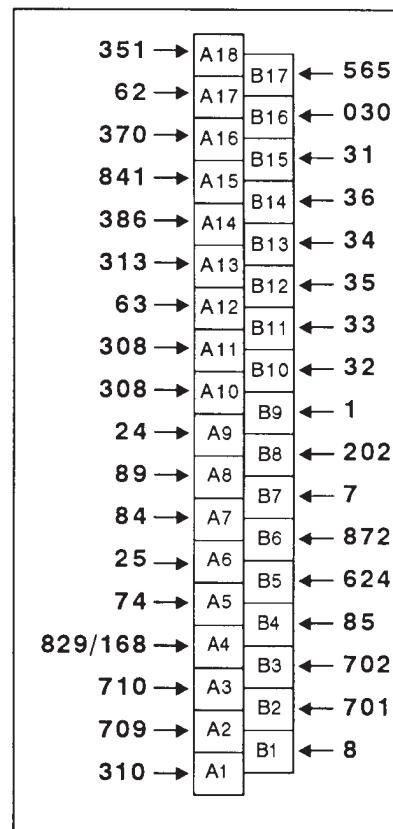
C752



C754

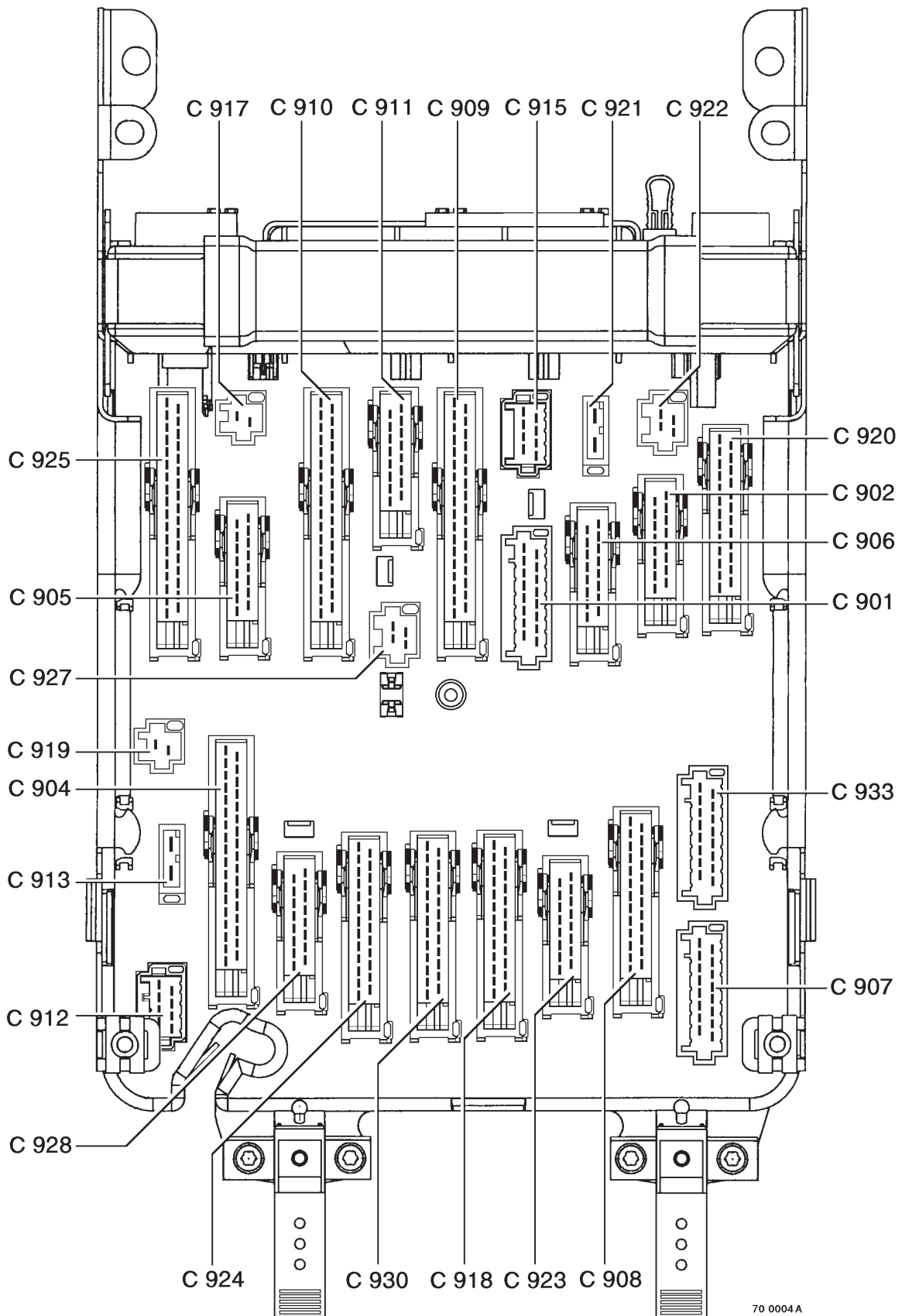


C756



C914

70 0408



70 0004 A

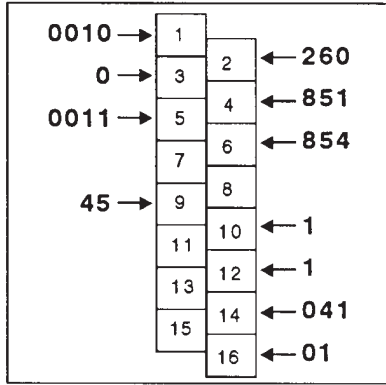
Face D connectors

Face D connectors

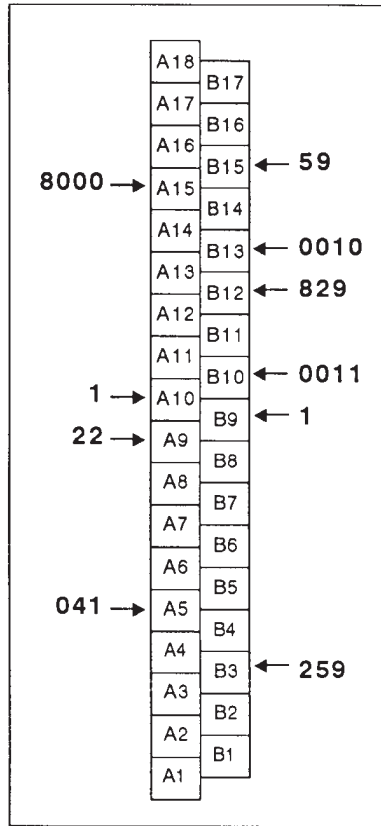
Number	Assignment	Colour	Number of ways
C901	Diagnostics socket	M	16
C902	Available	Bc	16
C904	Electronic injection timing control "ITC"	Ve	35
C905	Tachograph	J	16
C906	Dashboard (option 1)	Bu	16
C907	Upper ledge (basic)	Ve	16
C908	Upper ledge (option 1)	R	25
C909	Dashboard (option 2)	J	35
C910	Secondary display	R	35
C911	Available	Ve	16
C912	Independent heater	J	8
C913	Independent heater	M	2
C915	Available	Bc	8
C917	Available power supply (earth and + 24V)	G	2
C918	Available	Bc	25
C919	Heated seats (driver / passenger)	Bc	2
C920	"ABS/ASR" equipment	Ve	25
C921	Available power supply (earth and + 24V)	G	2
C922	Available	J	4
C923	Rear "ABS/ASR" equipment	M	16
C924	Electronic injection timing control "ITC"	Bu	25
C925	Fan coil heaters / Cigar lighter / Anti-theft control	Bc	35
C927	Available	Bc	4
C928	Front "ABS/ASR" equipment	R	16
C930	Available	J	25
C933	Upper ledge (option 2)	G	16

Connectors interface D / C

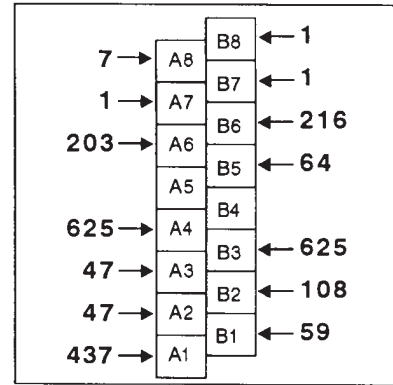
Interface	Assignment	Colour	Number of ways
C918 / C815	Available	Bc	25
C923 / C816	Rear "ABS/ASR" equipment	M	16
C924 / C817	Electronic injection timing control "ITC"	Bu	25
C928 / C818	Front "ABS/ASR" equipment	R	16
C930 / C819	Available	Bc	25



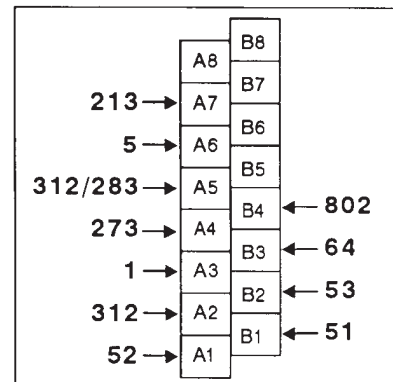
C901



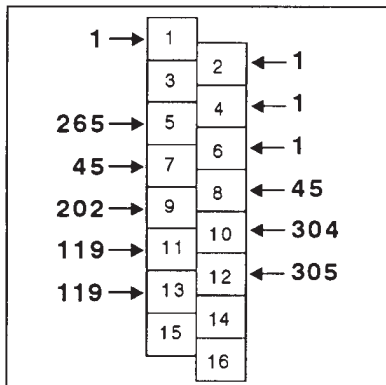
C904



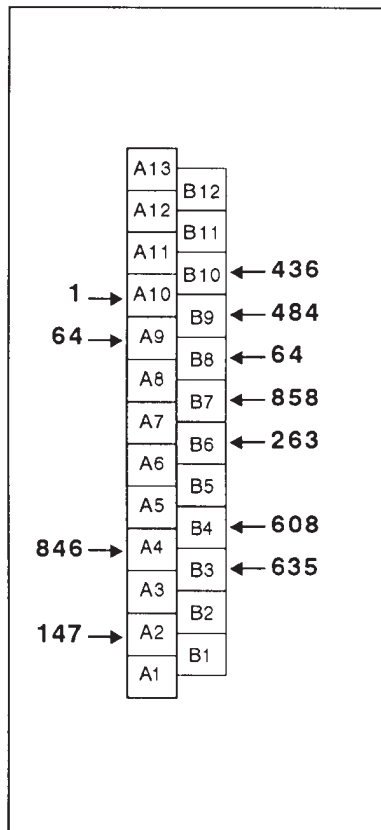
C905



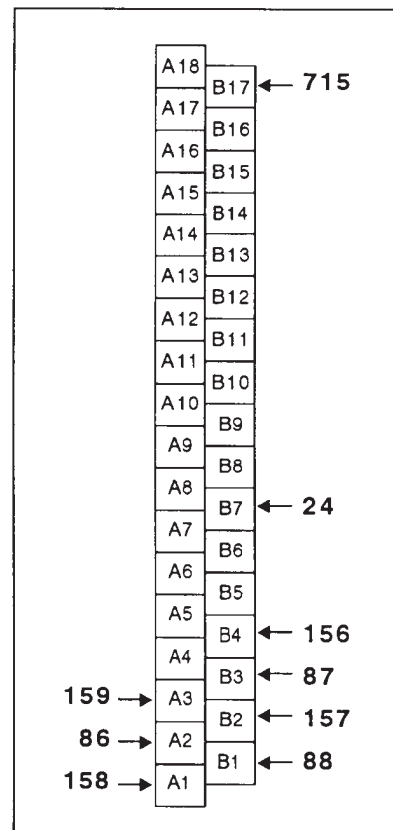
C906



C907

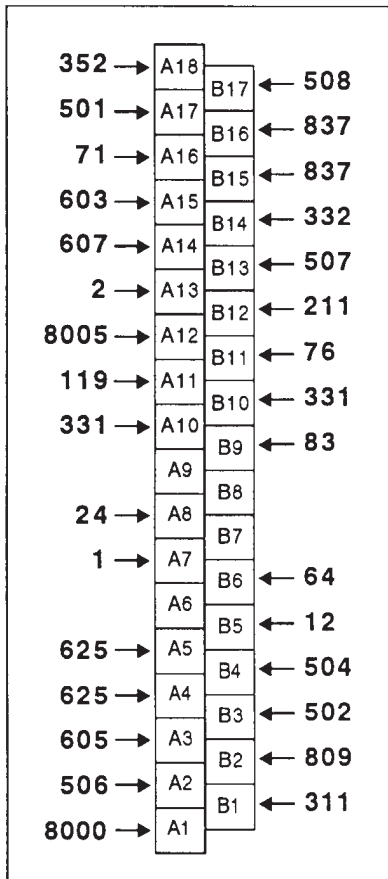


C908

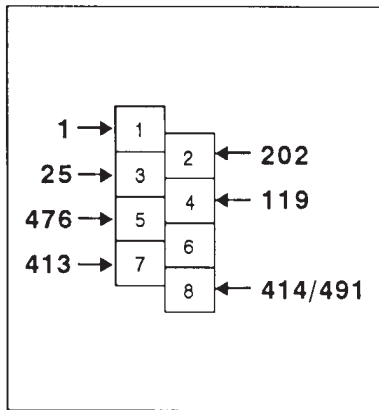


C909

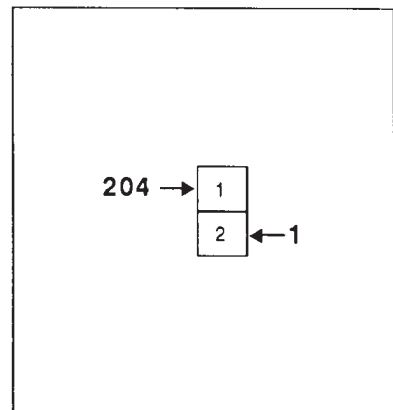
70 0409



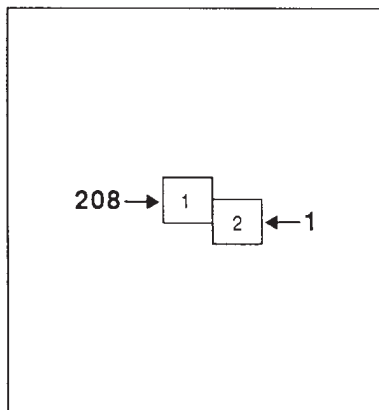
C910



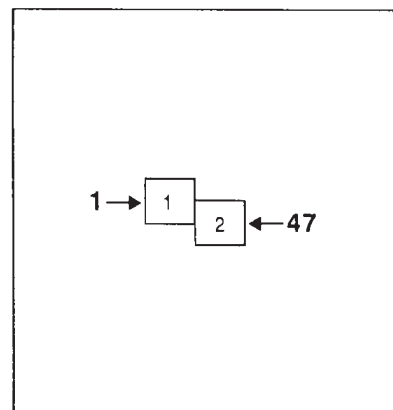
C912



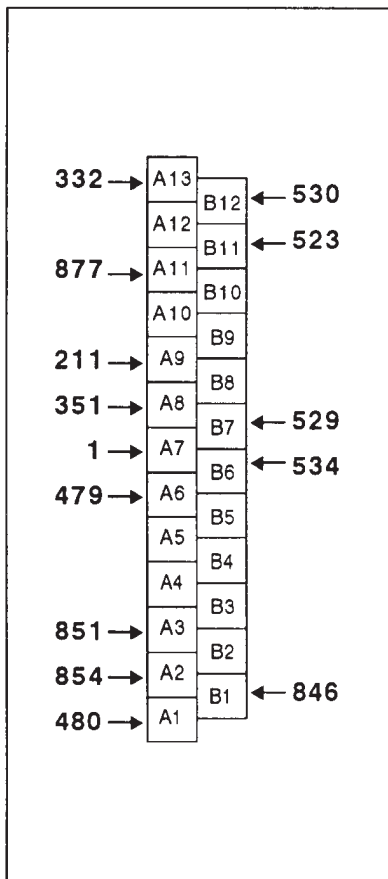
C913



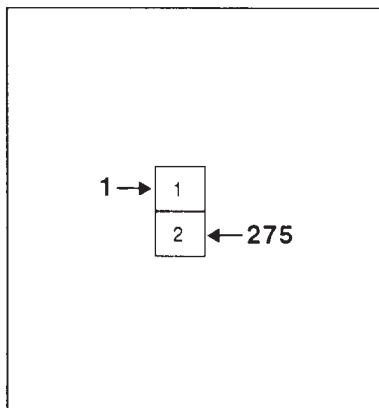
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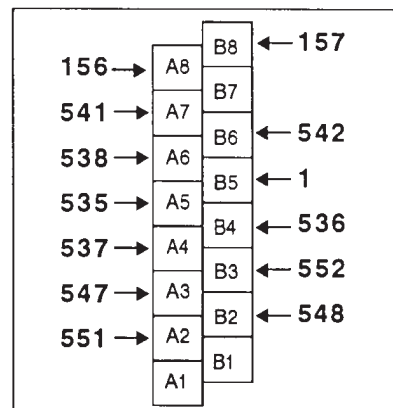
C919



C920

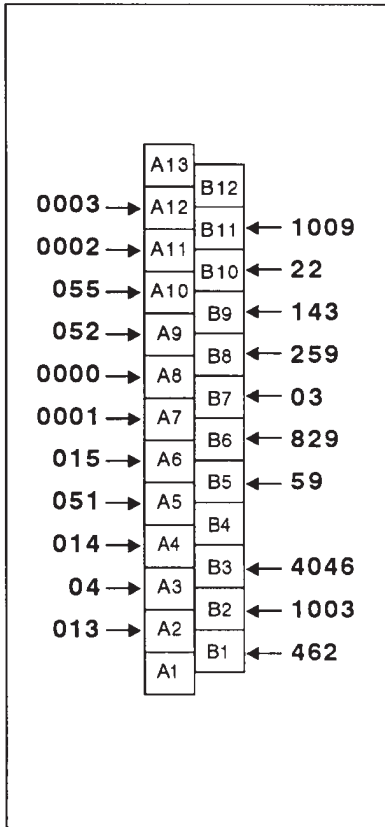


C921

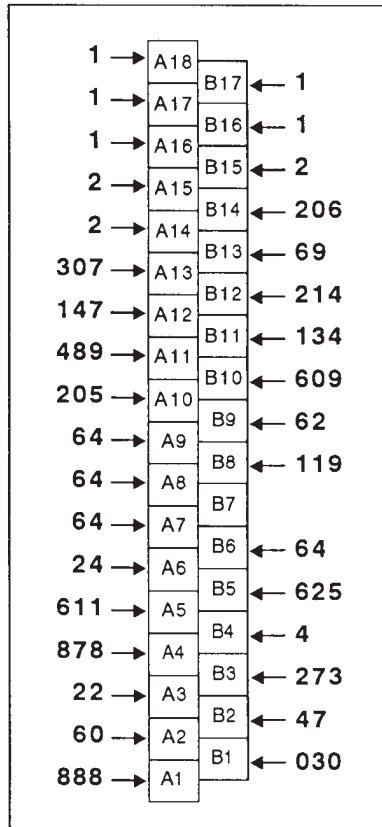


C923

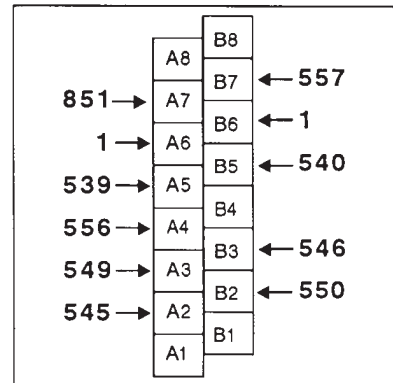
70 0410



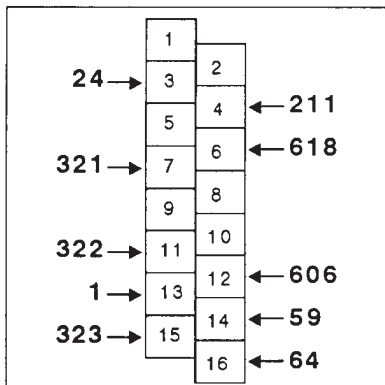
C924



C925

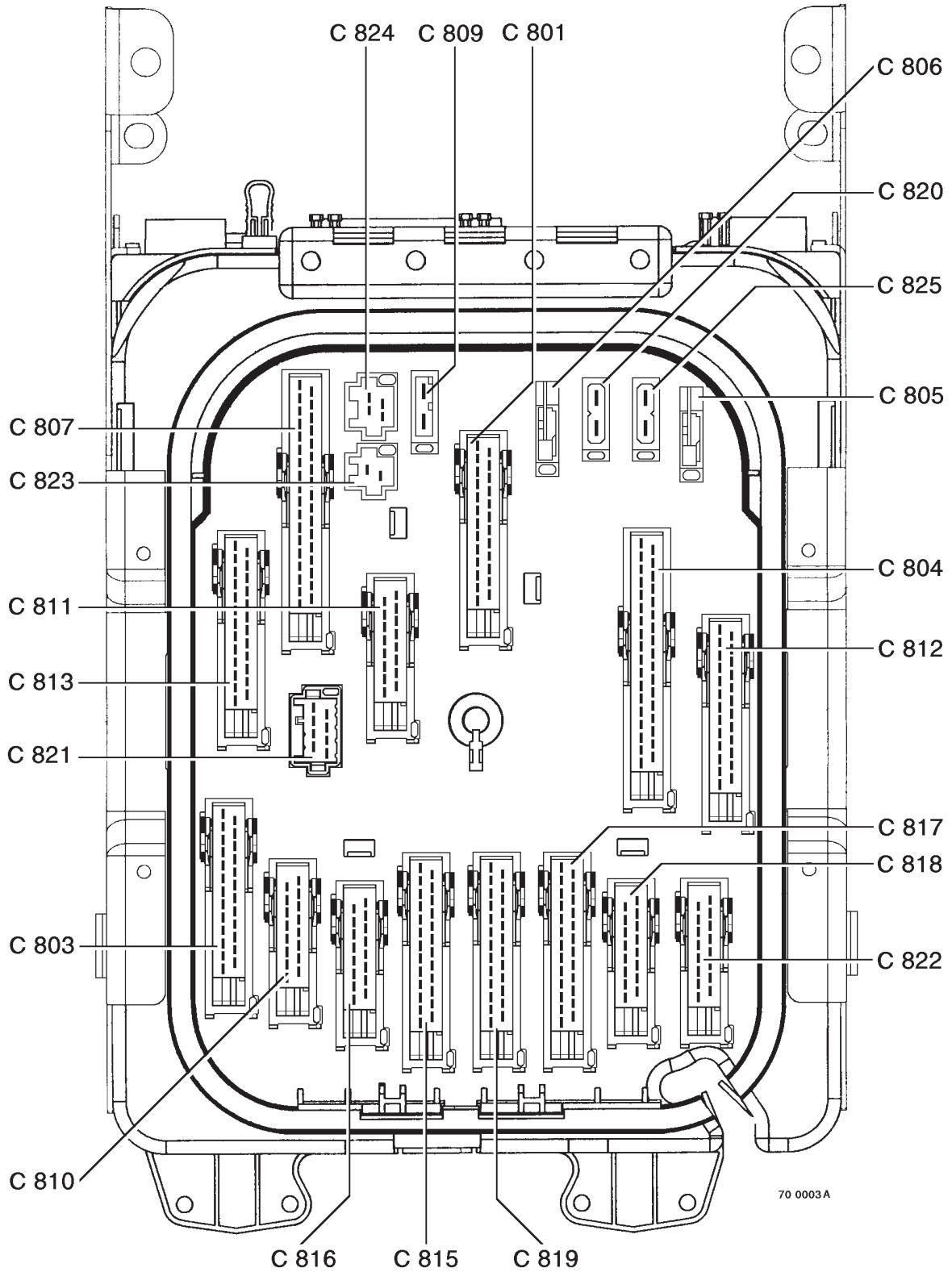


C928



C933

70 0411



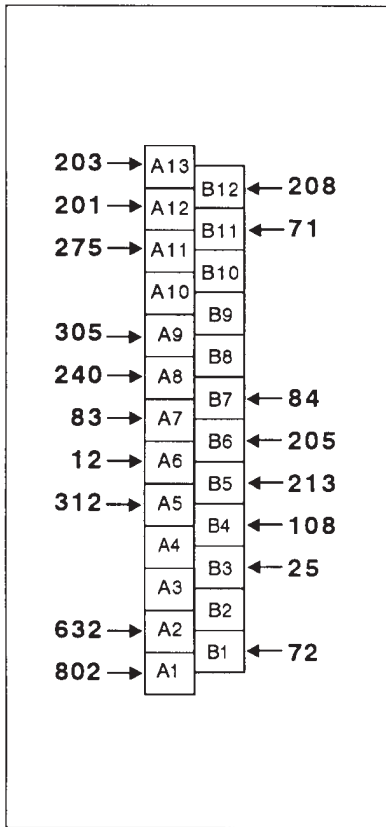
Face C connectors

Face C connectors

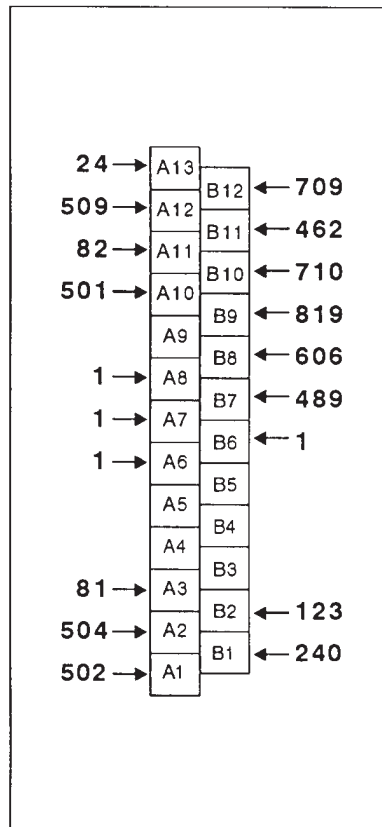
Number	Assignment	Colour	Number of ways
C801	Power supplies and auxiliary equipment	R	25
C803	Front grille	R	25
C804	Power unit	Ve	35
C805	Earth power supply	M	2
C806	+ 24V power supply	N	2
C807	Electronic boxes information	Bc	35
C809	Trailer socket	G	2
C810	Rear signalling / lighting	Ve	16
C811	Trailer socket	Bc	16
C812	Front signalling / lighting	M	25
C813	Doors	Ve	25
C815	Available	Bc	25
C816	Rear "ABS/ASR" equipment	M	16
C817	Electronic injection timing control "ITC"	Bu	25
C818	Front "ABS/ASR" equipment	R	16
C819	Available	J	25
C820	Power unit	Bc	2
C821	Electric retarder relay box	J	8
C822	Independent heater	J	16
C823	Available power supply (earth)	G	2
C824	Shunt (without brake pads)	Bc	4
C825	Available	Bu	2

Connectors interface C / D

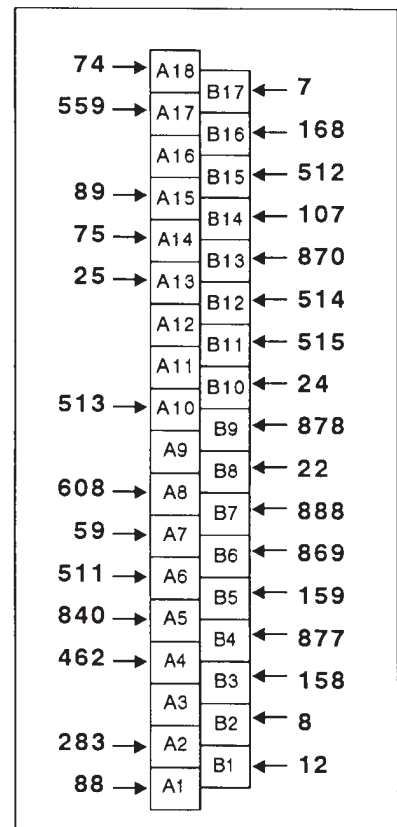
Interface	Assignment	Colour	Number of ways
C815 / C918	Available	Bu	2
C816 / C923	Rear "ABS/ASR" equipment	M	16
C817 / C924	Electronic injection timing control "ITC"	Bu	25
C818 / C928	Front "ABS/ASR" equipment	R	16
C819 / C930	Available	Bc	16



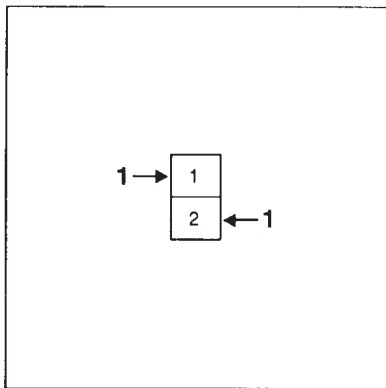
C801



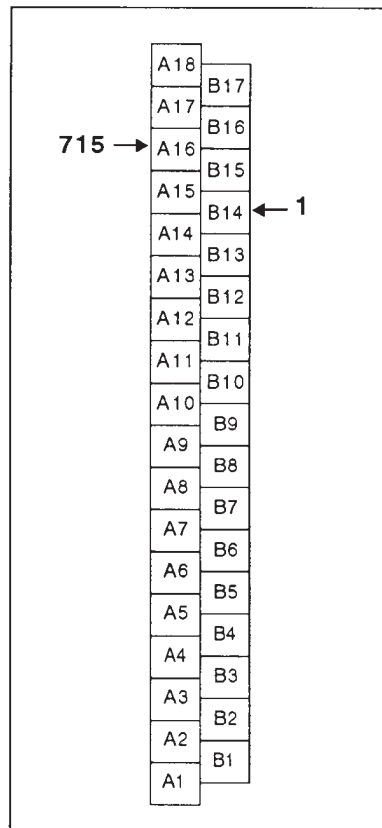
C803



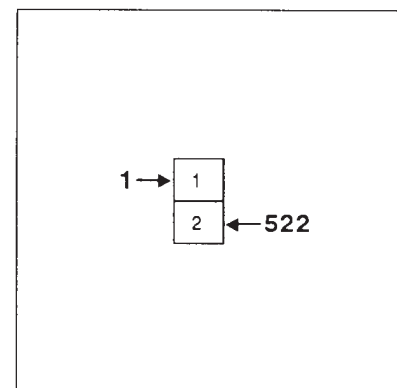
C804



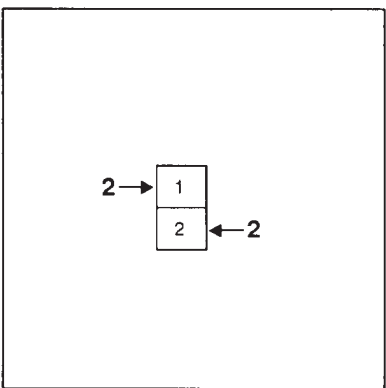
C805



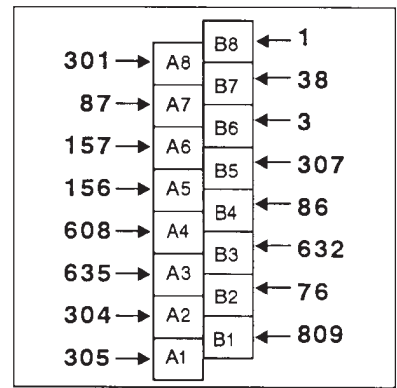
C807



C809

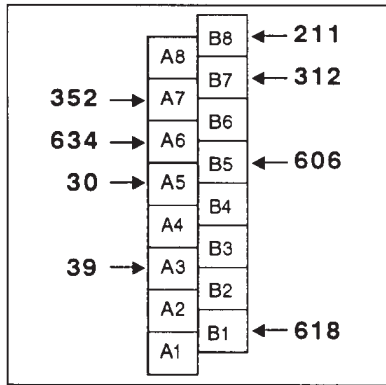


C806

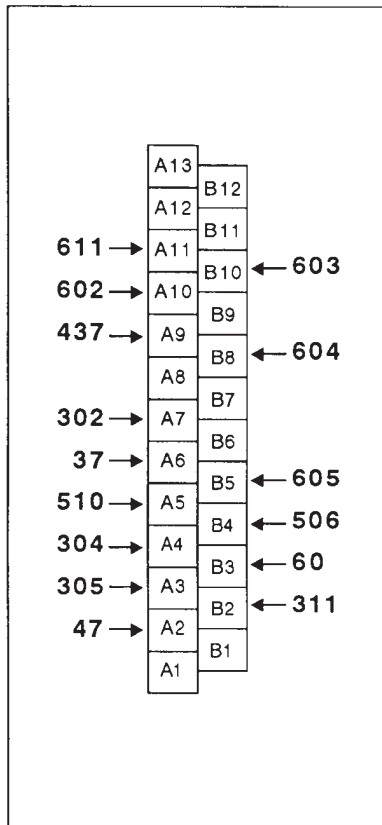


C810

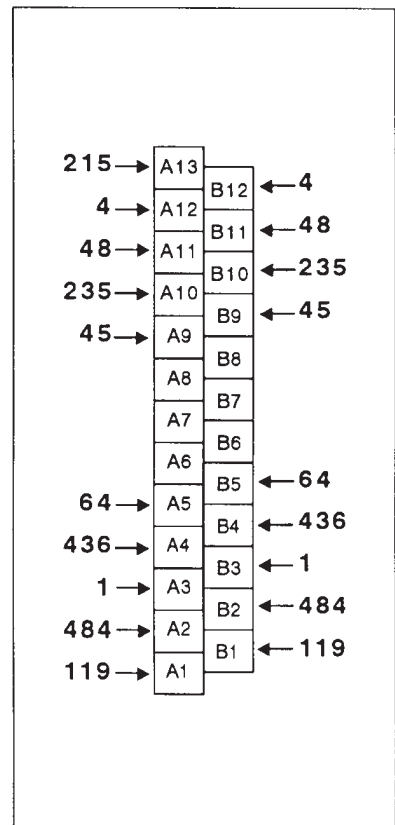
70 0412



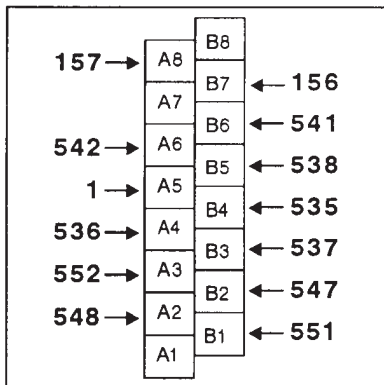
C811



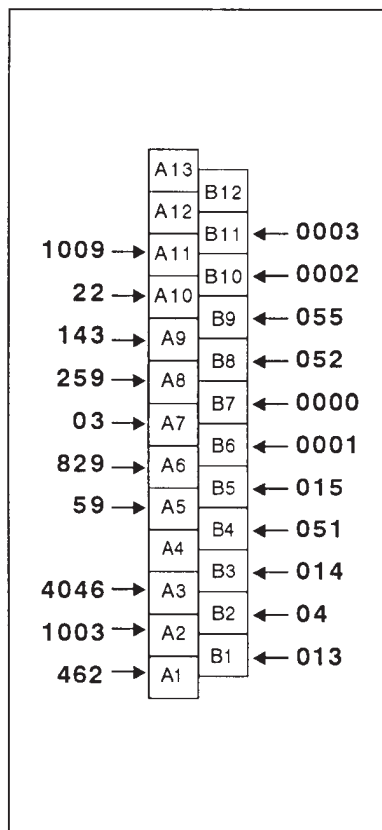
C812



C813

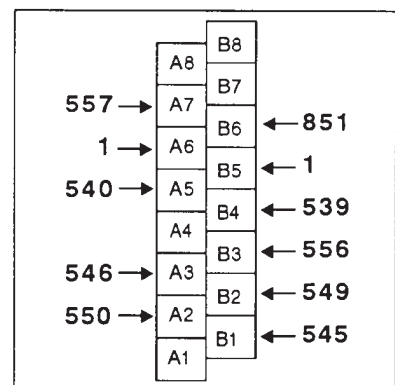


C816

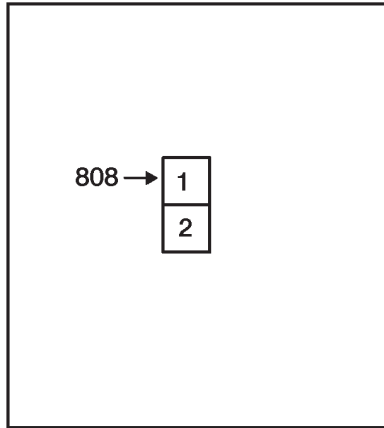


C817

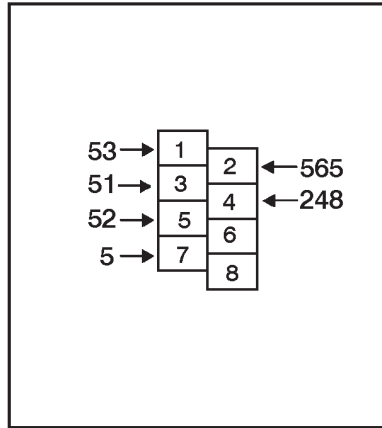
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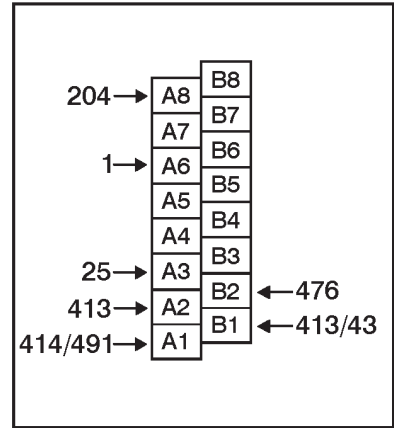
C818



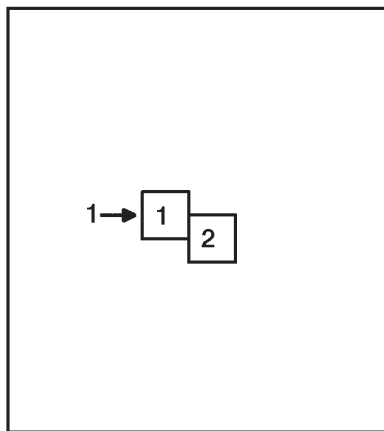
C820



C821



C822



C823

70 0414

WIRES – CONNECTORS LINKS

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
0	1.0	3	901
1	1.0	1	754
1	1.0	A6	803
1	1.0	A7	803
1	1.0	A8	803
1	1.0	B6	803
1	10.0	1	805
1	10.0	2	805
1	1.0	B13	807
1	5.0	1	809
1	1.0	B8	810
1	1.0	A3	813
1	1.0	B3	813
1	0.6	A6	816
1	2.0	A5	818
1	0.6	B5	818
1	2.0	A6	822
1	1.0	1	823
1	1.0	1	824
1	1.0	2	824
1	1.0	12	901
1	0.6	10	901
1	1.0	B9	904
1	1.0	A10	904
1	0.6	A7	905
1	1.0	B7	905
1	0.6	B8	905
1	2.0	A3	906
1	1.0	6	907
1	1.0	4	907
1	1.0	2	907
1	1.0	1	907
1	1.0	A10	908
1	1.0	A7	910
1	1.0	1	912
1	5.0	2	913
1	1.0	B9	914
1	1.0	2	917
1	2.0	1	919
1	2.0	A7	920
1	1.0	1	921
1	2.0	B5	923
1	0.6	A16	925
1	0.6	A17	925
1	1.0	A18	925
1	1.0	B16	925
1	1.0	B17	925
1	1.0	A6	928
1	1.0	B6	928

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
1	1.0	B6	928
1	2.0	13	933
2	10.0	1	806
2	10.0	2	806
2	0.6	A13	910
2	1.0	A14	925
2	0.6	A15	925
2	0.6	B15	925
3	1.0	B6	810
4	1.0	A12	813
4	1.0	B12	813
4	1.0	B4	925
5	1.0	A6	906
7	1.0	B17	804
7	1.0	A8	905
7	0.6	B7	914
8	1.0	B2	804
8	0.6	B1	914
01	0.6	16	901
03	0.6	A7	817
03	0.6	B7	924
04	0.6	A3	924
12	1.0	A6	801
12	0.6	B1	804
12	1.0	B5	910
22	0.6	B8	804
22	1.0	A10	817
22	0.6	A9	904
22	1.0	B10	924
22	1.0	A3	925
24	1.0	6	754
24	1.0	A13	803
24	1.0	B10	804
24	1.0	B7	909
24	1.0	A8	910
24	0.6	A9	914
24	0.6	A6	925
24	0.6	3	933
25	1.0	B3	801
25	0.6	A13	804
25	1.0	A3	822
25	0.6	3	912
25	0.6	A6	914
30	0.6	A5	811
31	0.6	B15	914
32	0.6	B10	914
33	1.0	B11	914

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
34	1.0	B13	914
35	1.0	B12	914
36	1.0	B14	914
37	0.6	A6	812
38	0.6	B7	810
39	0.6	A3	811
43	1.0	B1	822
45	1.0	A9	813
45	1.0	B9	813
45	1.0	9	901
45	1.0	8	907
45	1.0	7	907
47	0.6	A2	812
47	0.6	A2	905
47	0.6	A3	905
47	2.0	2	919
47	1.0	B2	925
48	2.0	A11	813
48	2.0	B11	813
51	1.0	3	821
51	1.0	B1	906
52	1.0	5	821
52	1.0	A1	906
53	1.0	1	821
53	1.0	B2	906
59	0.6	A7	804
59	0.6	A5	817
59	0.6	B15	904
59	0.6	B1	905
59	0.6	B5	924
59	0.6	14	933
60	0.6	B3	812
60	1.0	A2	925
62	1.0	A17	914
62	1.0	B9	925
63	0.6	A12	914
64	0.6	A5	813
64	0.6	B5	813
64	0.6	B5	905
64	1.0	B3	906
64	0.6	A9	908
64	0.6	B8	908
64	0.6	B6	910
64	0.6	A7	924
64	0.6	A8	924
64	0.6	A9	924
64	0.6	B6	925

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
64	0.6	16	933
68	1.0	2	754
69	0.6	B13	925
71	0.6	B11	801
71	1.0	A16	910
72	0.6	8	933
74	0.6	A18	804
74	0.6	A5	914
75	0.6	A14	804
76	1.0	B2	810
76	0.6	B11	910
81	0.6	A3	803
82	0.6	A11	803
83	1.0	5	754
83	0.6	A7	801
83	1.0	B9	910
84	0.6	B7	801
84	0.6	A7	914
85	0.6	B4	914
86	1.0	B4	810
86	0.6	A2	909
87	0.6	A7	810
87	0.6	B3	909
88	0.6	A1	804
88	0.6	B1	909
89	0.6	A15	804
89	0.6	A8	914
013	0.6	B1	817
013	0.6	A2	924
014	0.6	A4	924
015	0.6	A6	924
030	3.0	B16	914
030	0.6	B1	925
041	0.6	14	901
041	0.6	A5	904
051	1.0	A5	924
052	0.5	A9	924
055	0.5	A10	924
107	0.6	B14	804
108	1.0	B4	801
108	0.6	B2	905
119	0.6	A1	813
119	0.6	B1	813
119	0.6	11	907
119	0.6	13	907
119	0.6	A11	910

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
119	0.6	4	912
119	0.6	B8	925
123	1.0	B2	803
134	0.6	B11	925
143	0.5	A9	817
143	0.5	B9	924
147	1.0	A2	908
147	1.0	A12	925
156	0.6	A5	810
156	0.6	B7	816
156	0.6	B4	909
156	0.6	A8	923
157	0.6	A6	810
157	0.6	A8	816
157	0.6	B2	909
157	0.6	B8	923
158	0.6	B3	804
158	0.6	A1	909
159	0.6	B5	804
159	0.6	A3	909
168	1.0	A4	914
168	1.0	B16	804
201	2.0	A12	801
202	0.6	9	907
202	0.6	2	912
202	0.6	B8	914
203	0.6	A13	801
204	2.0	A8	822
204	5.0	1	913
205	1.0	B6	801
205	0.6	A10	925
206	1.0	B14	925
208	2.0	B12	801
208	2.0	1	917
211	0.6	B8	811
211	1.0	B12	910
211	0.6	A9	920
211	1.0	4	933
213	1.0	B5	801
213	1.0	A7	906
214	2.0	B12	925
215	1.0	A13	813
216	0.6	B6	905
235	1.0	A10	813
235	1.0	B10	813
240	1.0	A8	801

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
240	1.0	B1	803
248	1.0	4	821
259	1.0	A8	817
259	1.0	B3	904
259	1.0	B8	924
260	1.0	2	901
265	3.0	5	907
273	1	A4	906
273	1	B3	925
275	1.0	A11	801
275	1.0	2	921
283	1.0	A2	804
283	1.0	A5	906
301	0.6	A8	810
302	0.6	A7	812
303	1.0	3	754
304	1.0	A2	810
304	0.6	A4	812
304	0.6	10	907
305	0.6	A9	801
305	0.6	A3	812
305	0.6	12	907
307	1.0	B5	810
307	1.0	A13	925
308	1.0	A10	914
308	1.0	A11	914
311	0.6	B2	812
311	0.6	B1	910
312	1.0	A5	801
312	1.0	B7	811
312	1.0	A2	906
312	1.0	A5	906
313	1.0	A13	914
316	1.0	7	754
321	1.0	7	933
322	1.0	11	933
323	1.0	15	933
331	0.6	A10	910
331	1.0	B10	910
332	1.0	B14	910
332	0.6	A13	920
351	0.6	A18	914
351	0.6	A8	920
352	1.0	A7	811
352	1.0	A18	910
370	0.6	A16	914

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
386	0.6	A14	914
413	0.6	A2	822
413	1.0	B1	822
413	1.0	7	912
414	0.6	A1	822
414	1.0	8	912
436	1.0	A4	813
436	1.0	B4	813
436	1.0	B10	908
437	0.6	A9	812
437	0.6	A1	905
462	1.0	B11	803
462	1.0	A4	804
462	1.0	A1	817
462	1.0	B1	924
476	0.6	B2	822
476	0.6	5	912
479	0.6	A6	920
480	0.6	A1	920
484	1.0	A2	813
484	1.0	B2	813
484	1.0	B9	908
489	1.0	B7	803
489	0.6	A11	925
491	1.0	A1	822
491	1.0	8	912
501	2.0	A10	803
501	1.0	A17	910
502	1.0	A1	803
502	0.6	B3	910
504	1.0	A2	803
504	0.6	B4	910
506	0.6	B4	812
506	0.6	A2	910
507	1.0	B13	910
508	1.0	B17	910
509	1.0	A12	803
510	1.0	A5	812
511	0.6	A6	804
512	0.6	B15	804
513	0.6	A10	804
514	0.6	B12	804
515	0.6	B11	804
522	5.0	2	809
523	1.0	B11	920
529	0.6	B7	920

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
530	1.0	B12	920
534	1.0	B6	920
535	0.6	B4	816
535	0.6	A5	923
536	0.6	A4	816
536	0.6	B4	923
537	0.6	B3	816
537	0.6	A4	923
538	0.6	B5	816
538	0.6	A6	923
539	0.6	B4	818
539	0.6	A5	928
540	0.6	A5	818
540	0.6	B5	928
541	0.6	B6	816
541	0.6	A7	923
542	0.6	A6	816
542	0.6	B6	923
545	1.0	B1	818
545	1.0	A2	928
546	1.0	A3	818
546	1.0	B3	928
547	1.0	B2	816
547	1.0	A3	923
548	1.0	A2	816
548	1.0	B2	923
549	1.0	B2	818
549	1.0	A3	928
550	1.0	A2	818
550	1.0	B2	928
551	1.0	B1	816
551	1.0	A2	923
552	1.0	A3	816
552	1.0	B3	923
556	0.6	B3	818
556	0.6	A4	928
557	0.6	A7	818
557	0.6	B7	928
559	0.6	A17	804
565	0.6	2	821
565	0.6	B17	914
602	1.0	A10	812
603	0.6	B10	812
603	1.0	A15	910
604	1.0	B8	812
605	0.6	B5	812

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
605	0.6	A3	910
606	1.0	B8	803
606	2.0	B5	811
606	1.0	12	933
607	1.0	A14	910
608	1.0	A8	804
608	0.6	A4	807
608	1.0	B4	908
609	0.6	B10	925
611	0.6	A11	812
611	0.6	A5	925
618	1.0	B1	811
618	1.0	6	933
621	1.0	4	754
624	0.6	B5	914
625	1.0	A4	905
625	0.6	B3	905
625	1.0	A4	910
625	0.6	A5	910
625	1.0	B5	925
632	1.0	A2	801
632	1.0	B3	810
634	1.0	A6	811
635	0.6	A3	810
635	0.6	B3	908
701	0.6	B2	914
702	0.6	B3	914
709	0.6	B12	803
709	0.6	A2	914
710	0.6	B10	803
710	0.6	A3	914
715	0.6	A16	807
715	0.6	B17	909
802	0.6	A1	801
802	0.6	B4	906
808	5.0	1	820
809	1.0	B1	810
809	1.0	B2	910
819	1.0	B9	803
829	0.6	A6	817
829	0.6	B12	904
829	0.6	A4	914
829	0.6	B6	924
837	1.0	B15	910
837	1.0	B16	910
840	0.6	A5	804

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
841	1.0	A15	914
846	0.6	A4	908
846	0.6	B1	920
851	0.6	B6	818
851	0.6	A7	928
854	0.6	6	901
854	0.6	A2	920
858	0.6	B7	908
869	0.6	B6	804
870	0.6	B13	804
872	0.6	B6	914
877	1.0	B4	804
877	1.0	A11	920
878	0.6	B9	804
878	0.6	A4	925
888	0.6	B7	804
888	0.6	A1	925
0000	0.6	A8	924
0001	0.6	A7	924
0002	0.5	A11	924
0003	0.5	A12	924
0010	1.0	1	901
0010	1.0	B13	904
0011	1.0	5	901
0011	1.0	B10	904
1003	1.0	A2	817
1003	1.0	B2	924
1009	1.0	A11	817
1009	1.0	B11	924
4046	1.0	A3	817
4046	1.0	B3	924
8000	0.6	A15	904
8000	0.6	A1	910
8005	1.0	A12	910