

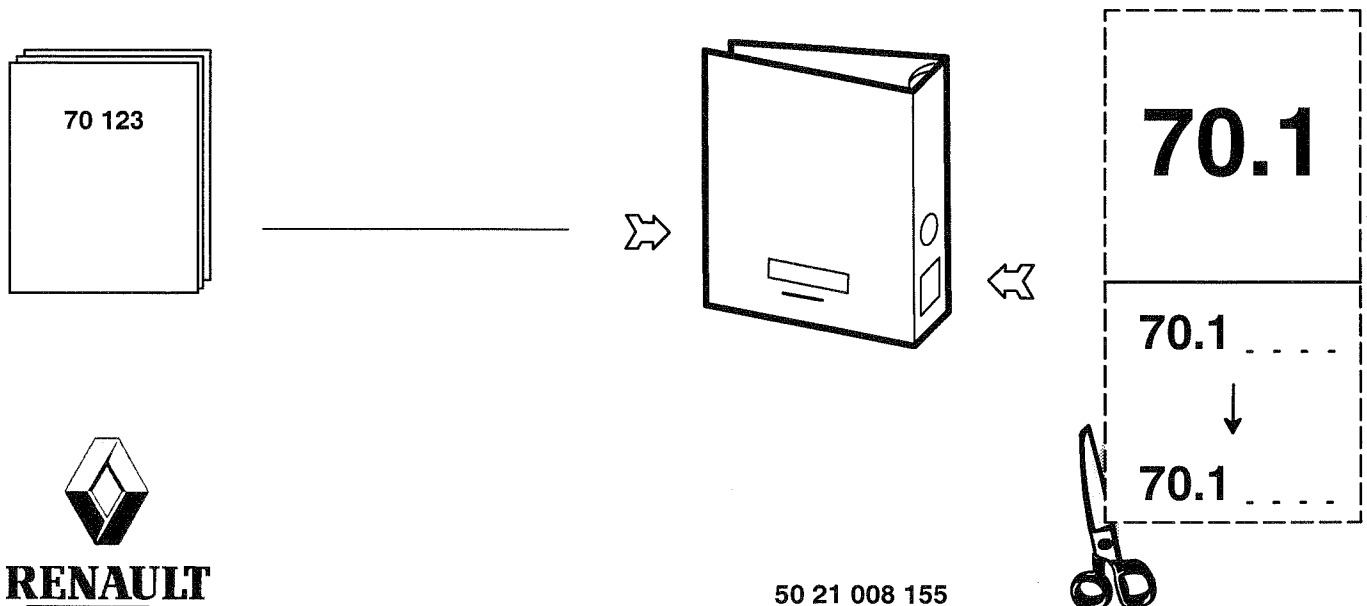
70 123 – AN – 02.2002

ELECTRICS

ELECTRICS	VEHICLES
ELECTRICAL EQUIPMENT	RENAULT KERAX DCI

NOTE

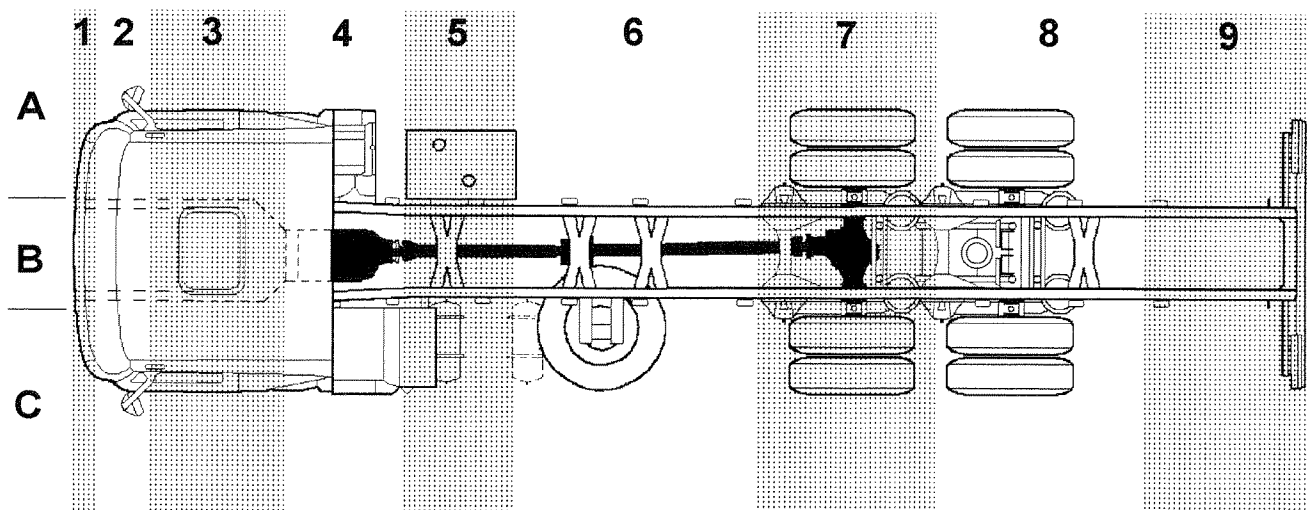
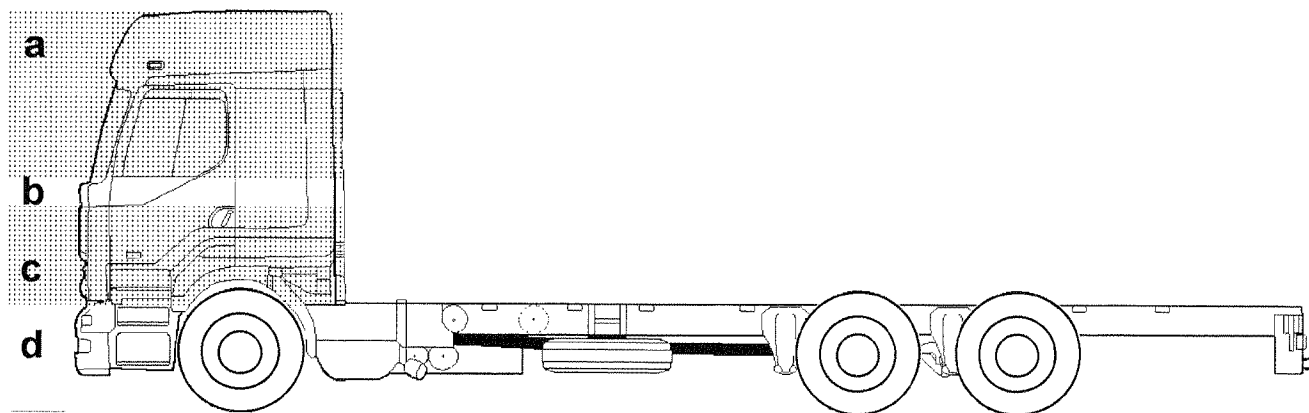
The above information may change in the course of time.
 Only the "Consult" section of the workshop manuals repertory in standard N° 10320 serves as reference.



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GENERALITIES



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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

PINPOINTING OF APPLIANCES

A *Key to Appliances* list situates each electrical appliance on the vehicle (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 back to the electrical diagram plate.

PINPOINTING EXAMPLES

In the *"Electrical diagram" booklet* :

2101 – Battery n°1 ... (01N) A5d

2101 : Appliance reference

Battery n°1 : Key to the appliance

A5d : Pinpointing of appliance according to the voluminal breakdown (see page A2).

01N : Pinpointing of the appliance in the electrical diagram (plate 01N).

In the *"Pinpointing of appliances" booklet* :

9201 – Vehicle ECU

9201 : Appliance reference number

Vehicle ECU: Key to the appliance

27M/N : Pinpointing of the appliance in the electrical diagram (plate 27M and plate 27N).

Such localization also applies for fuses, relays and diodes.

HOW TO READ THE DIAGRAMS

The diagram consists of several plates numbered in the bottom right-hand corner.
A wire connecting appliances located in different plates includes a connection address.

Example :

- 08A = see plate 08A
- 4001 -B = Doors central locking box

NOTE

The index "-B" is not to be interpreted.

Connectors :

The connectors are identified by a figure indicating the number of ways and by one or several letters indicating the colour :

BLACK	(N)
BROWN	(M)
RED	(R)
ORANGE	(Or)
YELLOW	(J)
GREEN	(Ve)
BLUE	(Bu)
PURPLE	(Vi)
GREY	(G)
WHITE	(Bc)

Example : 8J = yellow coloured 8-way connector

An index is added when several connectors on the same appliance have an identical number of ways and the same colour.

Example :

- 43N1 = 43-way black connector N° 1
- 43N2 = 43-way black connector N° 2

A connector on the connection unit is identified by 3 figures.

Example :

- 970N = black connector N° 970 (C970).

PRE-EQUIPMENT

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

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 is a direct link between two faces of the connection unit.

Example :

Interface connector **D / C**

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

Wires – connectors links :

A table shows the link of each wire to its connectors. The terminal numbers of each connector are specified. The wire numbers are classified numerically.

Example :

Fil **51** = 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 a function. The axle spread outline of the vehicle pinpoints the wiring harnesses.

Connectors identified by the letter **C** followed by 3 figures are shown on each wiring harness identification plate. A key opposite each plate defines their assignment.

On the back of the key appear details of the connectors connected to the wiring harnesses on the plate.

Key to connectors

C470 4512 – Air conditioning compressor

C470 : Connector reference number

4512 : Appliance reference number

Air conditioning compressor : Key to the appliance

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

Details of the connectors

Each drawing represents the structure of a connector..

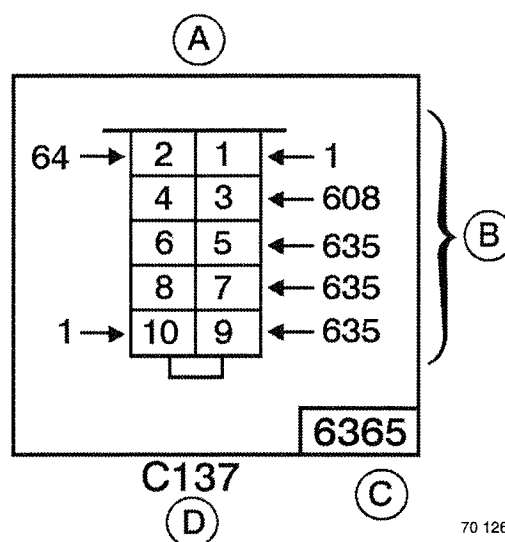
Example :

A : Outline of the connector

B : Wires identification and location

C : Appliance reference number

D : Connector identification



70 1261

IMPORTANT

Bearing in mind the presence of numerous electronic appliances, the use of a test lamp is to be avoided. Preferably use a needle or digital type multi-meter.

It is forbidden to apply voltage to the terminals of electronic appliances or you may cause irreparable damage to the hardware. Consequently, no line continuity measurement should be made on the wires without having previously disconnected the appliances from the lines concerned.

SCHEMATIC DIAGRAMS

KEY TO THE APPLIANCES

0102 – Electrical connection terminal	(04S//06M)	C4d
0117 – Protection diodes	(08R//10N)	A2c
1100 – Fuse	–	–
1335 – Bodybuilder available power supplies connector	(30N/P)	A2c
1361 – Connecting strip	(001)	–
1511 – Fuse box	(16P)	–
1611 – Ground connection	(30M)	C4d
2100 – Trailer socket, 15-pin	(15P)	B9d
2101 – Battery N° 1	(01N)	C4d
2102 – Battery N° 2	(01N)	C4d
2112 – 24 Volt socket	(14R)	C2c
2113 – Trailer socket, 7-pin type 24 N	(15M)	B9d
2115 – Trailer socket, 7-pin type 24 S	(15M)	B9d
2116 – Trailer socket, 7-pin type "EBS"	(15M/P)	B9d
2133 – 12 volt socket	(14M)	B2d
2141 – Available power supply (lighting)	(30M/N)	B9d/C2a/C4d
2142 – Available power supply (after ignition)	(30M/N)	A1c/C4d
2147 – Available power supply (after master switch)	(30M)	A1c/C4d
2165 – Master switch	(01N)	C4d
2171 – ADR master switch	(01S)	C4d
2196 – After ignition power supply relay N° 1	(01P)	A2c
2197 – After ignition power supply relay N° 2	(01R)	A2c
2200 – Anti-theft electronic box	(002//01T//08S)	C2a
2210 – Starter with integrated relay	(02T)	B3c
2219 – Transponder antenna	(01T)	C2a
2220 – Transponder ignition key	(01T)	C2a
2221 – Electronic anti-theft "Information" warning lamp	(19N)	C2b
2261 – Steering lock and starting control	(01N/T//08S)	C2b
2266 – Engine stop control (cab tilted)	(27T)	A2c
2311 – Alternator	(01N)	B2c
2314 – Battery charge warning lamp	(19N)	C2b
2400 – Fuel filter clogging pressure switch	(27T)	C3c
2414 – Preheating relay	(02M)	B3d/B2c
2418 – Preheating warning lamp	(19M)	C2b
2422 – Fuel preheater relay	(03M)	A2b
2423 – Renault V.I. fuel preheater	(03M)	C4c
2452 – Preheating resistor N° 1	(02M)	B3c
2453 – Preheating resistor N° 2	(02M)	B3c
2461 – Engine preheating control	(02M)	B2b
2464 – Fuel preheater thermal switch	(03M)	C3c/B3d
3101 – Flasher unit	(05M//08S)	A2a
3117 – Rigid or tractor flasher repeater lamp	(19N)	C2b
3118 – Trailer flasher repeater lamp	(19N)	C2b
3161 – Hazard lights control	(05M//08S)	B2b
3211 – RH front flashing lamp	(05M)	A1d
3212 – LH front flashing lamp	(05M)	C1c
3213 – RH side flashing lamp	(05M)	A3d
3214 – LH side flashing lamp	(05M)	C2d
3410 – Roof trumpet horn solenoid valve	(05M)	C2d
3411 – Horn	(05M)	A2d
3417 – Revolving beacon 1	(05P)	C3a
3418 – Revolving beacon 2	(05P)	A3a
3419 – Revolving beacon(s) relay	(05P)	A2b
3462 – Revolving beacon(s) control	(05P)	C2a
3512 – Stop lights relay	(05N)	A2b
3513 – Fog light(s) relay	(04R)	A2b
3517 – Fog light(s) warning lamp	(19M)	C2b
3618 – Side/parking lights relay	(04M)	A2b
3635 – RH marker lights (bodybuilder equipment)	(04M)	A2c
3636 – LH marker lights (bodybuilder equipment)	(04M)	A2c
3662 – Lighting relay	(04N)	A2b
3716 – LH central marker lamp	(04M)	C5d
3717 – RH central marker lamp	(04M)	A4d

KEY TO THE APPLIANCES

3721 – RH rear lights	–	A9d
– flashing	(05M)	A9d
– stop	(05N)	A9d
– fog	(04R)	A9d
– reverse	(05P)	A9d
– side/parking	(04M)	A9d
3722 – LH rear lights	–	C9d
– flashing	(05M)	C9d
– stop	(05N)	C9d
– fog	(04R)	C9d
– reverse	(05P)	C9d
– side/parking	(04M)	C9d
4001 – Doors central locking box	(08M)	B2a
4047 – Passenger's side electric door striker	(08M/N)	A3b
4048 – Driver's side electric door striker	(08M/N)	C3b
4078 – LH door switch	(10N)	C2C
4079 – RH door switch	(10N)	C2c
4111 – Cigar lighter	(14M)	C2b
4122 – LH swivelling defrosting rearview mirror	(09M)	C2a
4123 – RH swivelling defrosting rearview mirror	(09M)	A2a
4126 – Defrosting rearview mirrors relay	(09M)	A2c
4135 – Electric roof ventilator motor	(08P)	B3a
4136 – Comfort accessories relay	(14M)	A2c
4137 – Windscreen defrosting resistor	(14R)	A1a
4138 – Windscreen defrosting time–delay relay	(14R)	B1c
4160 – Electric roof ventilator control	(08P)	C2a
4161 – External rearview mirrors swivelling control	(09M)	C2b
4163 – Defrosting rearview mirror control	(09M)	C2a
4200 – Voltage dropper (12 Volt socket)	(14M)	A2c
4202 – Radio	(002//14N)	C2a
4209 – Voltage dropper (telecommunications)	(14P)	C2a
4210 – Antenna	(14N/P)	B2a
4214 – Driver's loudspeaker	(14N)	C2a
4220 – Radio remote control	(19M)	C2b
4221 – Passenger's loudspeaker	(14N)	A2a
4222 – Driver's heated seat	(14M)	C3c
4223 – Passenger's heated seat	(14M)	A3c
4228 – C.B. radio	(14P)	C2a
4229 – Telephone	(14P)	C2a
4251 – Voltage dropper (extra 12V socket)	(14R)	B4c
4311 – Driver's window winder motor	(08P)	C2c
4312 – Passenger's window winder motor	(08P)	A2c
4361 – Driver's window winder control	(08P)	C2b
4362 – Passenger's window winder control	(08P)	A2b
4365 – Passenger's window winder control (driver's side)	(08P)	C2b
4403 – Ventilation control box	(17M)	B2c
4421 – Fan coil heater(s)	(17N)	B2c
4422 – Independent heater	(17M)	A3c
4423 – Independent heater	(17P/R)	A3c
4469 – Independent heater timer control	(17M/P/R)	C3a
4470 – Interior temperature sensor	(17M)	A2c
4487 – Temperature variator	(17M/R)	C3a
4512 – Air conditioning compressor	(17N)	B2d
4545 – Conditioned air relay	(17M)	A2b
4566 – External temperature sensor	(27N)	A1c
4614 – Stepwell lighting	(10N)	A2d/C2d
4618 – Driver's overhead lamp	(10N)	B2a
4621 – Bottom bunk overhead lamp	(10N)	C4a
4625 – Passenger's overhead lamp	(10N)	B2a
4650 – Driver's step lighting	(10N)	C2c
4651 – Passenger's step lighting	(10N)	A2c
4826 – Refrigerator	(14R)	B3c
4908 – Independent heater start–up control	(17M)	B3c
4909 – Air conditioning cut–off safety relay	(17N)	A2b

KEY TO THE APPLIANCES

4919 – Fuel feed pump	(17M/P/R)	B3c
4937 – Independent heater relay	(17M)	C3a
4938 – Cooling circuit main solenoid valve control	(17M)	C3a
5266 – Accelerator pedal position sensor	(27M)	C2c
5270 – Limited speed shunt for export	(27N)	A2c
5300 – Windscreen wiper relay	(11M)	A2c
5310 – Headlamp washer time–delay relay	(11M)	A2c
5311 – Windscreen wiper motor	(11M)	B1c
5314 – Windscreen washer pump	(11M)	C1c
5319 – Headlamps washer pump	(11M)	A2d
5322 – Driver's seat belt not attached "Alert"beeper	(14M)	C3c
5500 – Gate valves illumination relay	(30N)	A2c
5561 – Gate valves illumination control	(10M/30N)	C2b
6119 – Dipped beam headlights relay	(04P)	A2b
6120 – Daytime lights relay	(04S)	A2b
6121 – Main beam headlights relay	(04P)	A2b
6123 – Main beam headlights warning lamp	(19N)	C2b
6124 – Headlight, dipped headlight and left side lamp	(04M/P)	C1d
6125 – Headlight, dipped headlight and right side lamp	(04M/P)	A1d
6132 – Dipped beam headlights warning lamp	(19N)	C2b
6138 – LH headlamp adjustment motor	(04S)	C2d
6139 – RH headlamp adjustment motor	(04S)	C2b
6166 – Headlights adjustment control	(04S)	C2b
6167 – Steering column fingertip controls	–	C2b
– anti–theft	(01T)	C2b
– side/parking lights	(04M)	C2b
– main/dipped beam headlights	(04P)	C2b
– fog driving lamps / fog lamps	(04R)	C2b
– horn / direction indicator	(05M)	C2b
– windscreen wiper / screen wash / headlamp wash	(11M)	C2b
– cruise control	(27M)	C2b
6211 – LH fog driving lamp	(04R)	C1d
6212 – RH fog driving lamp	(04R)	A1d
6214 – Fog driving lights relay	(04R)	A2b
6215 – Long range driving lights relay	(04S)	A2b
6218 – Fog driving lights warning lamp	(19N)	C2b
6221 – RH long range driving lamp	(04S)	A1d
6222 – LH long range driving lamp	(04S)	C1d
6261 – Long range driving lights control	(04S)	B2b
6314 – Working floodlight (tractor)	(10M)	C4c
6315 – Working floodlight warning lamp	(19N)	C2b
6325 – Reverse gear buzzer	(05P)	B9d
6365 – Reverse gear buzzer control	(05P)	C2a
7100 – Current limiter	(01S)	C4d
7114 – Electronic tachograph	(001//06M)	C2b
7115 – Hourmeter	(01N)	A3c
7362 – Coolant temperature sensor	(27S)	B3c
7368 – Oil pressure sensor	(27S)	B3c
7411 – Fuel level gauge	(19M)	C2b
7462 – Fuel level transmitter	(19M)	A5c/C6c
7519 – Diagnostics socket	(07M)	C3c
7524 – "SAE" socket	(002//07M)	C3c
7614 – Principal display	(001//002//08S//19M/N)	A2b
7940 – Jake brake solenoid valve N° 1	(27S)	B3c
7941 – Jake brake solenoid valve N° 2	(27S)	B3c
8000 – "ABS" ECU	(001//20N)	A2c
8003 – Hydraulic retarder ECU	(001//16P)	A2c
8013 – Trailer ABS safety warning lamp	(19N)	C2b
8014 – ABS LH front roadwheel electrovalve	(20N)	C3d
8015 – ABS RH front roadwheel electrovalve	(20N)	A3d
8016 – ABS LH rear roadwheel electrovalve	(20N)	B7d/B8d
8017 – ABS RH rear roadwheel electrovalve	(20N)	B7d/B8d
8032 – Electric retarder relay box	(16N)	A2c
8034 – Electric retarder	(16N)	B5d

KEY TO THE APPLIANCES

8036 – Electric retarder cut-off relay	(20N)	A2b
8056 – Brake pedal retarder coupling control	(27N)	C2b
8059 – Electric or hydraulic retarder control	(001//16M/N/P)	C2b
8061 – ABS LH front roadwheel sensor	(20N)	C3d
8062 – ABS RH front roadwheel sensor	(20N)	A3d
8063 – ABS LH rear roadwheel sensor	(20N)	C7d/C8d
8064 – ABS RH rear roadwheel sensor	(20N)	C7d/A8d
8105 – Rear air pressure transmitter	(19M)	C5d
8123 – Air pressure alert warning lamp	(19M)	C2b
8137 – Air dryer heater	(02M)	A1a
8138 – Brakes air pressure gauge	(19M)	C2b
8150 – Exhaust brake electrovalve	(27T)	B3c
8165 – Rear brakes air pressure switch	(19M)	C5d
8166 – Front brakes air pressure switch	(19M)	C5d
8169 – Parking brake air pressure switch	(27M)	C5d
8174 – Trailer and parking brakes air pressure switch	(19M)	C5d
8218 – Air filter clogging warning light	(19M)	C2b
8228 – Declutching fan	(27T)	B2c
8261 – Engine speed sensor	(27S)	B3c
8262 – Air filter clogging	(19M)	A2c
8284 – Servo-steering oil pressure switch	(28S)	B3c
8272 – Water level sensor	(27T)	B1c
8275 – Engine oil level sensor	(27S)	B3d
8290 – Economy / performance control	(27N)	C2b
8316 – Power take-off solenoid valve	(25M)	B4c
8317 – Inter-axle differential lock warning lamp	(19M)	C2b
8318 – Inter-wheel differential lock warning lamp	(19M)	C2b
8363 – Rear drive axle inter-wheel differential lock switch	(19M)	B7d/B8d
8364 – Inter-wheel differential lock switch	(19M)	B7d/B8d
8365 – Inter-axle differential lock switch	(19M)	B7d/B8d
8366 – Power take-off switch	(25M//30P)	B4c
8370 – PTO from transfer box switch	(19N)	B1c
8373 – Middle axle inter-wheel differential lock switch	(19M)	C2b
8376 – Front axle differential lock switch	(19M)	C2b
8377 – Transfer box low speed switch	(19M)	C2b
8414 – Range change solenoid valve	(28S)	C4d
8461 – Vehicle speed sensor	(06M)	B4d
8466 – Neutral switch	(02T)	B4d
8472 – Reverse gear switch	(05P)	B4d
8480 – Hydraulic retarder cooling system temperature sensor	(16P)	B3c
8481 – Air tank electrovalve	(16P)	B4d
8491 – Hydraulic retarder proportional opening solenoid valve	(16P)	B4d
8497 – Gearbox safety relay (range change)	(28S)	A2b
8498 – Gearbox safety relay (gate)	(28S)	A2b
8499 – Rear relay position switch contact	(27M)	B6c
8502 – Suspension ECU	(28M)	A2c
8522 – Suspension information warning lamp	(19M)	C2b
8523 – Suspension alert warning lamp	(19M)	C2b
8524 – Rear suspension electrovalve block	(28M)	B7d/B8d
8560 – Remote control box	(28M)	C3c
8572 – Suspension level RH rear sensor	(28M)	A7d/A8d
8573 – Suspension level LH rear sensor	(28M)	C7d/C8d
8644 – Clutch switch	(27M)	B3c
9200 – Boost air pressure and temperature sensor	(27S)	B3c
9201 – Vehicle master ECU (VECU)	(001//002//08S//27M/N))	B3c
9202 – Engine master ECU (EECU)	(001//27S/T)	B3c
9208 – Fuel high pressure sensor	(27S)	B3c
9210 – "VECU / EECU" ECU power supply relay	(27N)	B3c
9212 – High Pressure pump, solenoid valve cylinder "2"	(27S)	B3c
9213 – High Pressure pump, solenoid valve cylinder "1"	(27S)	B3c
9220 – Unit pump N° 1 incorporating solenoid valve	(27S)	B3c
9221 – Unit pump N° 2 incorporating solenoid valve	(27S)	B3c
9222 – Unit pump N° 3 incorporating solenoid valve	(27S)	B3c
9223 – Unit pump N° 4 incorporating solenoid valve	(27S)	B3c

KEY TO THE APPLIANCES

9224 – Unit pump N° 5 incorporating solenoid valve	(27S)	B3c
9225 – Unit pump N° 6 incorporating solenoid valve	(27S)	B3c
9226 – Engine oil temperature sensor	(27S)	B3c
9230 – Camshaft speed sensor	(27S)	B3c
9420 – Anti-theft alarm ECU	(002//08R/S)	C2a
9421 – Road train perimetric protection pre-arrangement	(08R/S)	–
9422 – Trailer perimetric protection module	(08S)	–
9423 – Anti-theft alarm siren	(08R/S)	A1d
9424 – Ultrasound transmitter	(08R)	C2a
9425 – Ultrasound receiver	(08R)	B2b
9426 – Road train monitoring module	(08R/S)	–
9427 – Anti-aggression control	(08R)	B2b
9510 – Road train braking “Alert” warning lamp	(19M)	C2b
21101 – Bodybuilder equipment control	(30M)	C4d
21107 – Equipment control available power supply	(30M)	C4d
21113 – Bodybuilder equipment available power supply relay	(30M)	C4d
21117 – Extra 12V socket	(14R)	B3c
45142 – 3-level air conditioning pressure controller	(17N)	B1c
81101 – Clutch switch and stop lights switch	(05N)	C2c
81104 – Gate relay control solenoid valve	(28S)	C4d

WIRE NUMBER / PLATE EQUIVALENC TABLE

001	27S	0011	07M	0039	08R	1	10M	2	04M	5	27N	34	19N
007	27M	0011	08R	0039	08S	1	10N	2	04N	6	04N	35	19N
014	27S	0011	08S	0056	06M	1	11M	2	04P	6	15M	36	05M
017	27M	0011	14N	0057	11M	1	14M	2	04R	6	15P	37	05M
022	27M	0011	19N	0057	19N	1	14N	2	04S	6	30M	38	05M
028	27M	0011	27M	0123	08R	1	14P	2	05M	12	02T	39	05M
032	27S	0011	27N	0124	08R	1	14R	2	05N	12	27M	39	15M
033	27S	0012	01R	0125	08R	1	15M	2	05P	22	01N	39	15P
034	27S	0012	06M	0126	08R	1	15P	2	07M	22	01P	43	17M
036	27S	0012	16P	0403	08R	1	16N	2	08M	22	01R	45	10N
043	28M	0012	19N	0403	08S	1	16P	2	08N	22	01T	45	14P
044	28M	0012	20N	0403	15M	1	17M	2	09M	22	27M	46	14P
045	27M	0012	27N	1	01N	1	17N	2	10M	23	01P	47	04S
045	30P	0012	27T	1	01P	1	17P	2	10N	23	30N	47	07M
047	27M	0013	01R	1	01R	1	17R	2	11M	24	01P	47	14M
047	30P	0013	06M	1	01S	1	19M	2	14M	24	04S	48	08P
052	27S	0013	16P	1	01T	1	19N	2	14R	24	05N	51	16M
055	27S	0013	19N	1	02M	1	20N	2	15M	24	05P	51	16N
077	27M	0013	20N	1	02T	1	27M	2	15P	24	09M	51	16P
078	27S	0013	27N	1	03M	1	27N	2	16N	25	01N	51	27M
079	27S	0013	27T	1	04M	1	27T	2	16P	25	01S	52	16N
080	27S	0015	19M	1	04N	1	28M	2	17M	25	17M	52	16P
081	27S	0016	19M	1	04P	1	28S	2	17P	25	17P	53	16N
082	27S	0017	19M	1	04R	1	29M	2	17R	25	17R	53	16P
092	27S	0018	19M	1	04S	1	30M	2	19N	25	19N	54	16N
097	27S	0019	19M	1	05M	1	30N	2	20N	30	05M	55	16N
0010	01T	0020	19M	1	05N	1	30P	2	27N	30	15M	56	16N
0010	07M	0023	27N	1	05P	2	01N	2	30M	30	15P	57	16N
0010	08R	0024	27S	1	06M	2	01P	3	05N	31	05M	59	06M
0010	08S	0025	27S	1	07M	2	01R	3	15M	31	08M	59	28M
0010	14N	0027	16P	1	08M	2	01S	3	15P	31	08R	60	04R
0010	19N	0028	06M	1	08N	2	01T	4	09M	31	08S	60	19N
0010	27M	0029	16P	1	08P	2	02M	4	14R	32	05M	62	04P
0010	27N	0031	16P	1	08R	2	02T	5	16N	33	05M	62	04S
0011	01T	0032	16P	1	09M	2	03M	5	16P	34	05M	63	04P

WIRE NUMBER / PLATE EQUIVALENC TABLE

64	02M	119	08R	204	17P	244	16P	306	04R	436	08M	509	11M
64	04N	119	10N	204	17R	248	05N	307	04R	436	08N	510	11M
64	04S	119	19N	205	01N	260	07M	307	15M	437	04S	522	15M
64	05M	123	05N	205	02T	260	28M	307	15P	444	14N	522	15P
64	05P	123	27M	206	17M	263	01N	307	19M	445	17M	529	20N
64	08P	124	14M	206	17N	263	01S	310	05M	447	14N	535	20N
64	08R	141	06M	208	14R	263	08M	311	05M	448	14N	536	20N
64	09M	142	06M	208	30M	263	08R	313	04M	451	14N	537	20N
64	10M	144	14P	208	30N	265	14M	313	04N	462	17N	538	20N
64	11M	155	14P	211	01P	265	14N	316	04S	463	01R	539	20N
64	14M	156	19M	211	15M	273	01P	321	05P	463	02M	540	20N
64	17M	156	20N	211	15P	273	02M	321	08P	463	17M	545	20N
64	17N	157	19M	211	16M	273	03M	322	05P	463	28S	546	20N
64	19N	157	20N	211	19N	273	08R	323	05P	469	08P	547	20N
64	27N	158	19N	211	20N	273	16P	352	15M	470	08P	548	20N
64	30N	159	19M	212	27N	273	17N	352	15P	476	08R	549	20N
65	04R	173	27S	212	27T	274	01P	352	19N	476	17M	550	20N
67	04P	174	27S	213	16N	274	28M	370	04R	476	17P	551	20N
67	04S	175	27S	213	20N	275	30M	374	08M	476	17R	552	20N
68	04P	183	16P	214	01N	275	30N	374	08R	484	08M	556	20N
68	04S	184	16P	214	14M	291	27T	374	08S	484	08N	557	20N
69	04R	201	01N	215	09M	292	27T	386	09M	489	17N	576	16P
71	19M	201	01R	216	01P	293	27S	402	08P	491	17M	602	04P
76	19M	201	01S	216	11M	294	27S	403	08P	496	08P	603	04P
81	27T	201	06M	217	14M	295	27S	413	17M	497	08P	603	19N
82	27T	202	01R	229	06M	296	27S	413	17P	501	11M	604	04P
83	27M	202	01S	229	27N	297	27S	413	17R	502	11M	605	04P
84	19M	202	05M	235	08M	298	27S	414	17M	503	11M	605	19N
86	19M	202	14N	235	08N	301	05M	414	17P	503	27M	606	10M
87	19M	202	17M	238	14R	302	05M	414	17R	504	11M	606	15P
88	27N	202	17P	240	05N	303	04M	428	09M	506	11M	607	10M
88	30M	202	17R	240	27M	303	04S	429	09M	506	27M	607	19N
88	30P	203	06M	243	01R	304	04M	430	09M	507	11M	608	05P
108	01S	204	10N	243	08P	305	04M	431	09M	508	11M	608	15M
108	06M	204	17M	243	20N	305	30N	432	09M	508	27M	608	15P

WIRE NUMBER / PLATE EQUIVALENCE TABLE

609	04S	809	19M	854	07M	1010	27T	1064	08R	2093	28S	5002	19N
611	04S	813	28M	854	20N	1012	20N	1119	08R	4000	14P	5028	05N
613	04S	814	28M	854	28M	1013	20N	1125	17N	4002	17M	5028	27M
618	10M	815	28M	869	27S	1014	20N	1125	27M	4002	17P	5045	28S
618	15P	823	27T	870	27S	1015	20N	1139	08R	4002	17R	5046	28S
618	30N	825	06M	873	19M	1019	14R	2000	14R	4003	17P	8020	27N
621	04P	829	27N	873	28M	1021	08R	2004	04S	4003	17R	8025	27T
632	30M	829	28S	874	19M	1021	10N	2005	05N	4004	17M	8044	27T
634	15M	842	03M	874	28M	1021	19N	2005	27M	4004	17P	8045	27T
634	15P	851	06M	880	28M	1025	27M	2006	27S	4004	17R	8046	27T
635	05P	851	07M	881	28M	1025	30P	2015	27S	4010	14M	8062	01N
651	30N	851	16P	888	03M	1026	27N	2023	16P	4014	08P	8063	30M
709	27N	851	17M	899	28M	1026	30P	2025	20N	4015	08P	8072	27T
710	27N	851	17P	945	14N	1036	27N	2026	27S	4029	17M	8083	30N
711	17M	851	17R	946	14N	1047	27M	2027	27S	4051	14R	8084	19M
712	17M	851	19N	947	14P	1050	27M	2050	27N	4052	17N	8084	30N
802	02M	851	20N	948	14P	1050	28S	2056	30M	4052	27T	8086	19M
802	19M	851	27M	1005	20N	1051	27N	2057	30M	4061	17N	8086	30N
803	02M	851	27T	1006	27S	1051	28S	2059	01S	5001	20N	8087	19M
808	03M	851	28M	1007	27S	1055	27S	2059	06M	5002	01T	8087	30N

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AIR CONDITIONING
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ABS EQUIPMENT

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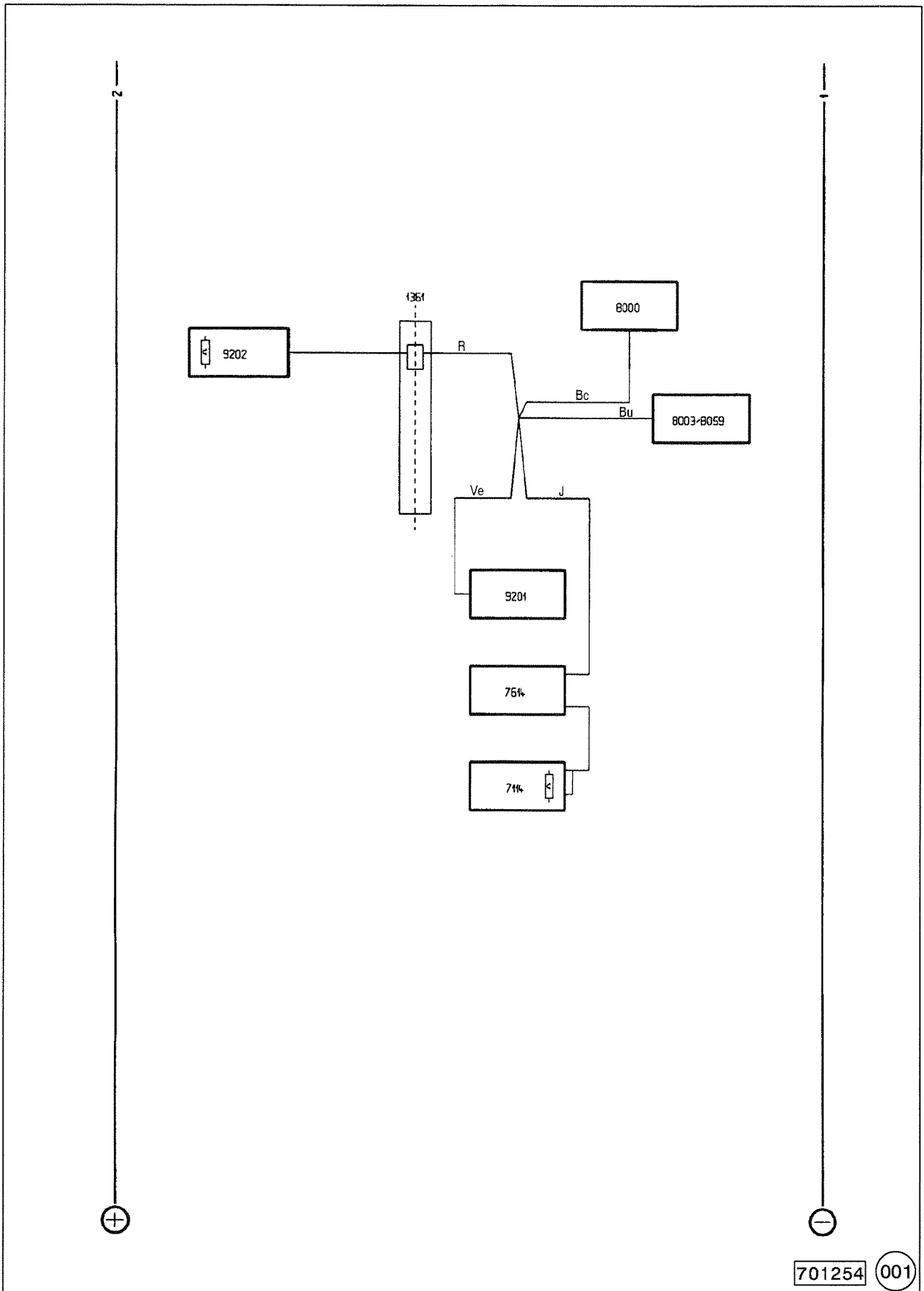
*CAB INJECTION CONTROL
ENGINE MASTER ECU*

PLATE 28

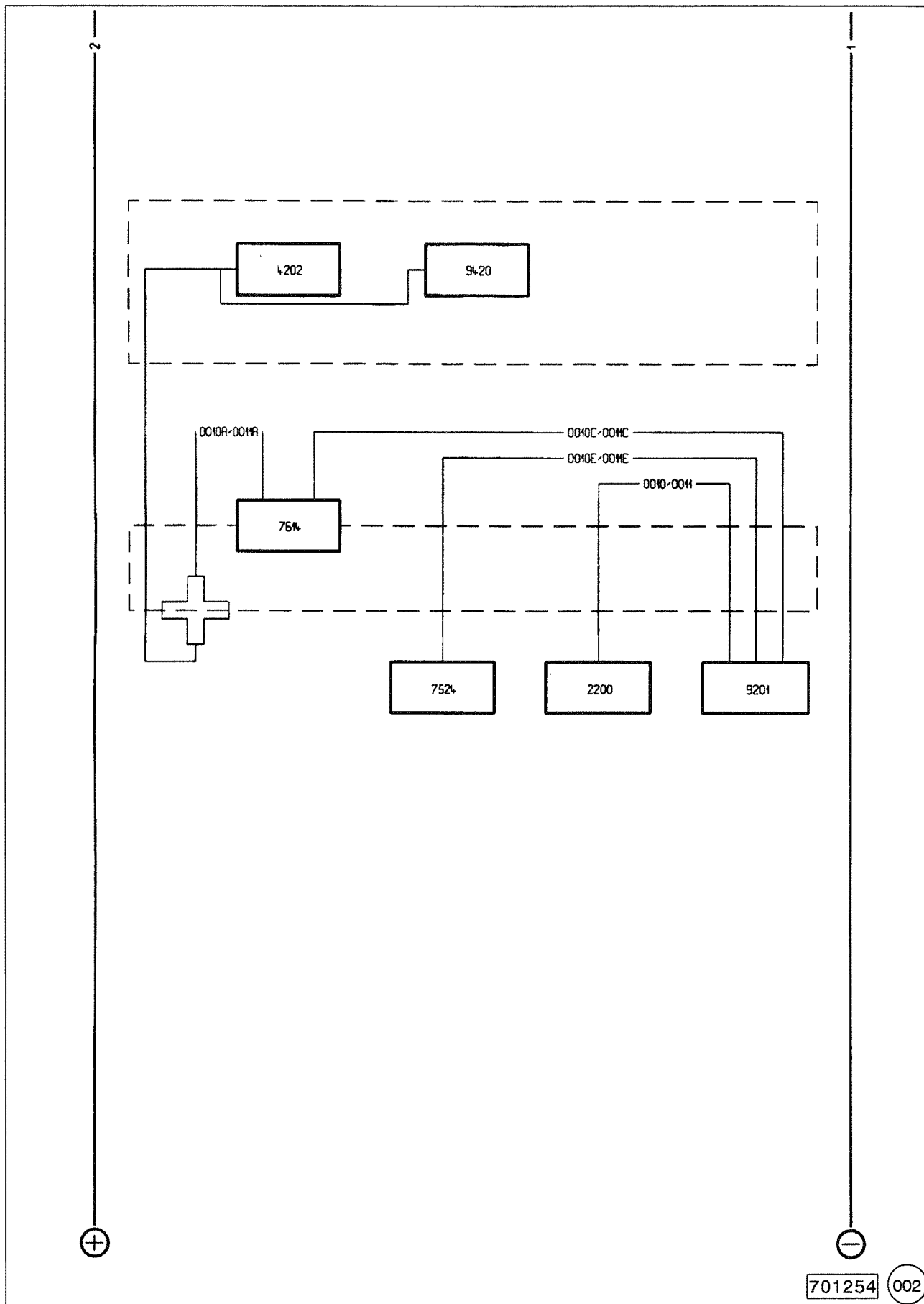
*AIR SUSPENSION
SERVO STEERING / GEARBOX SAFETY*

PLATE 30

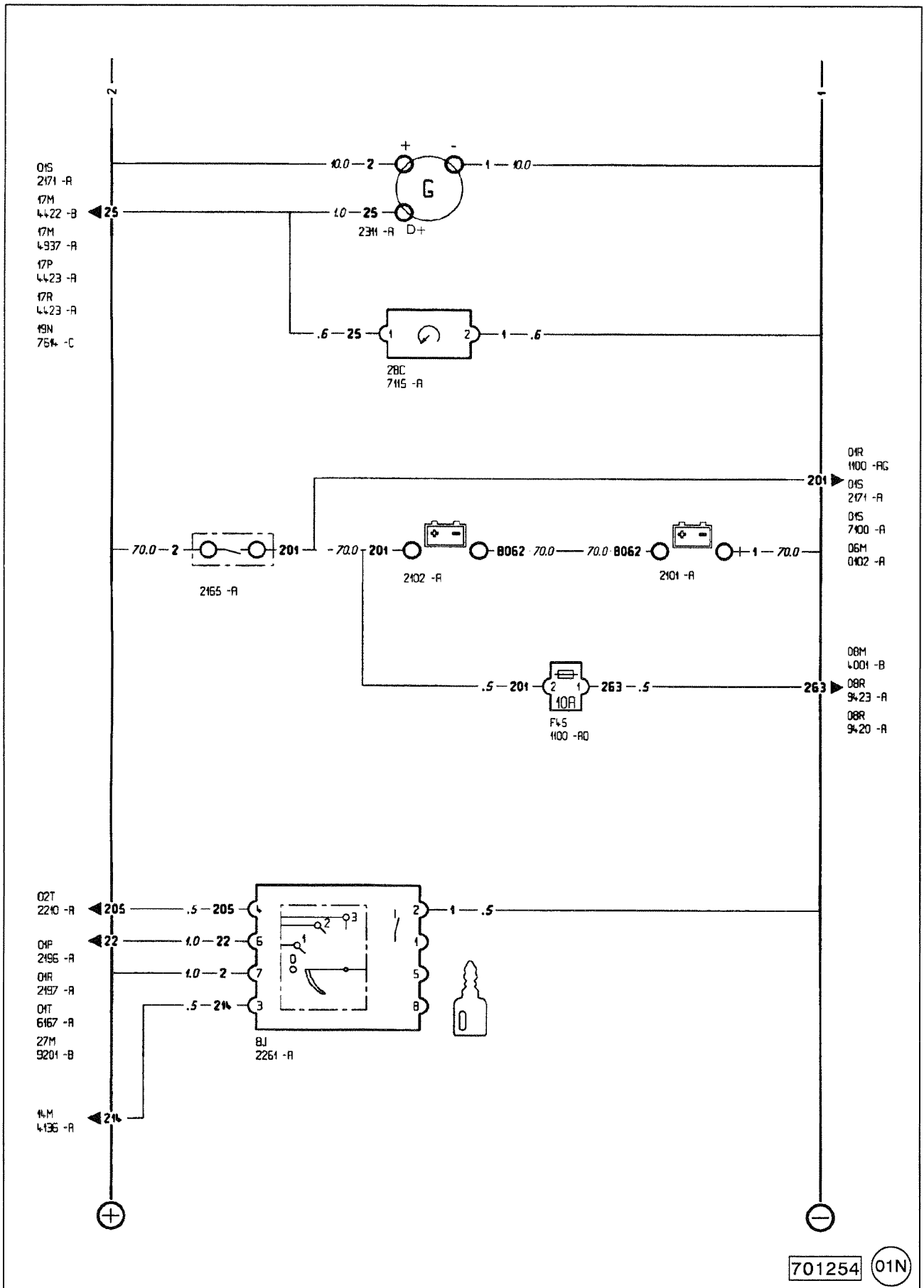
AVAILABLE POWER SUPPLIES



“BUS J1939” COMMUNICATION NETWORK

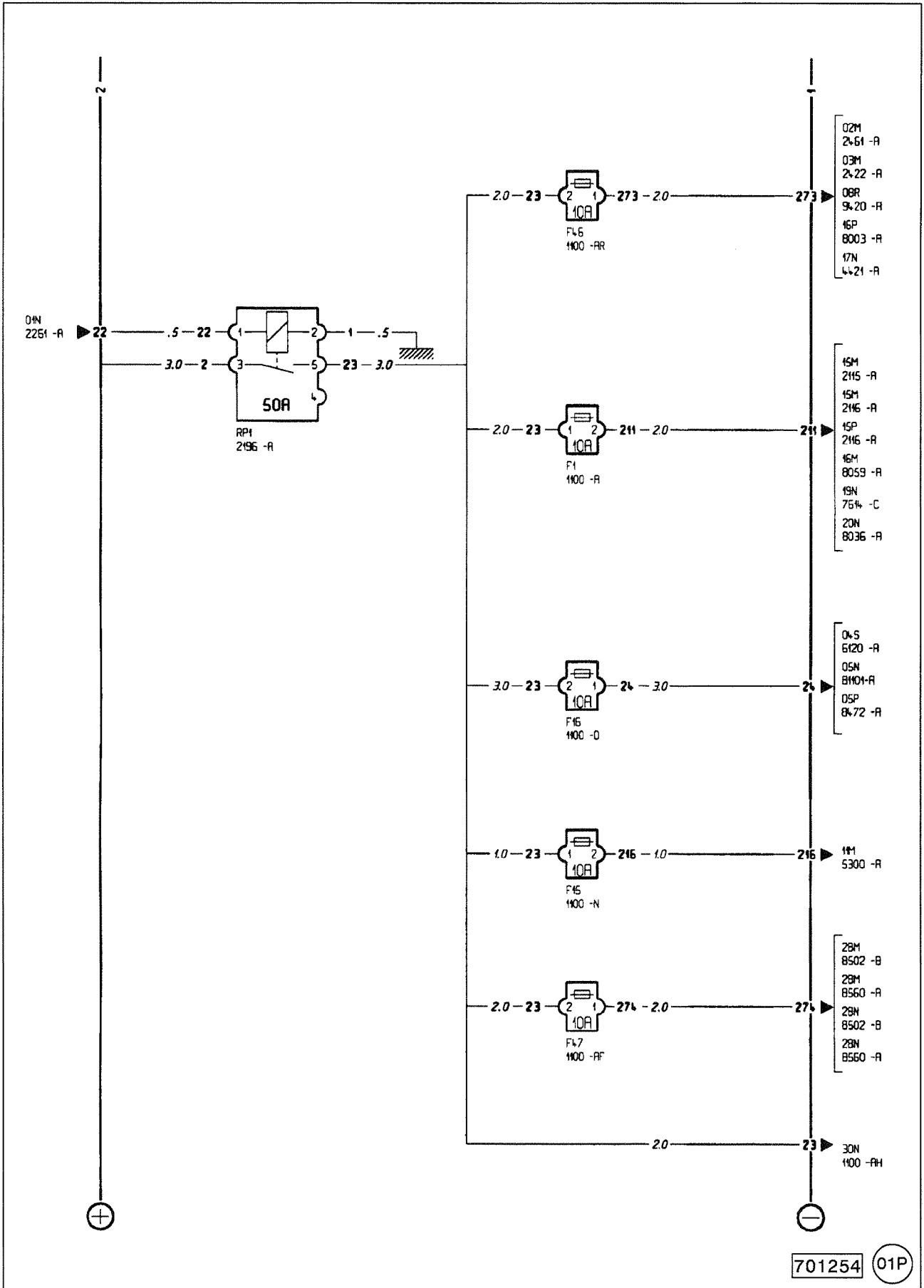


“BUS J1587” COMMUNICATION NETWORK



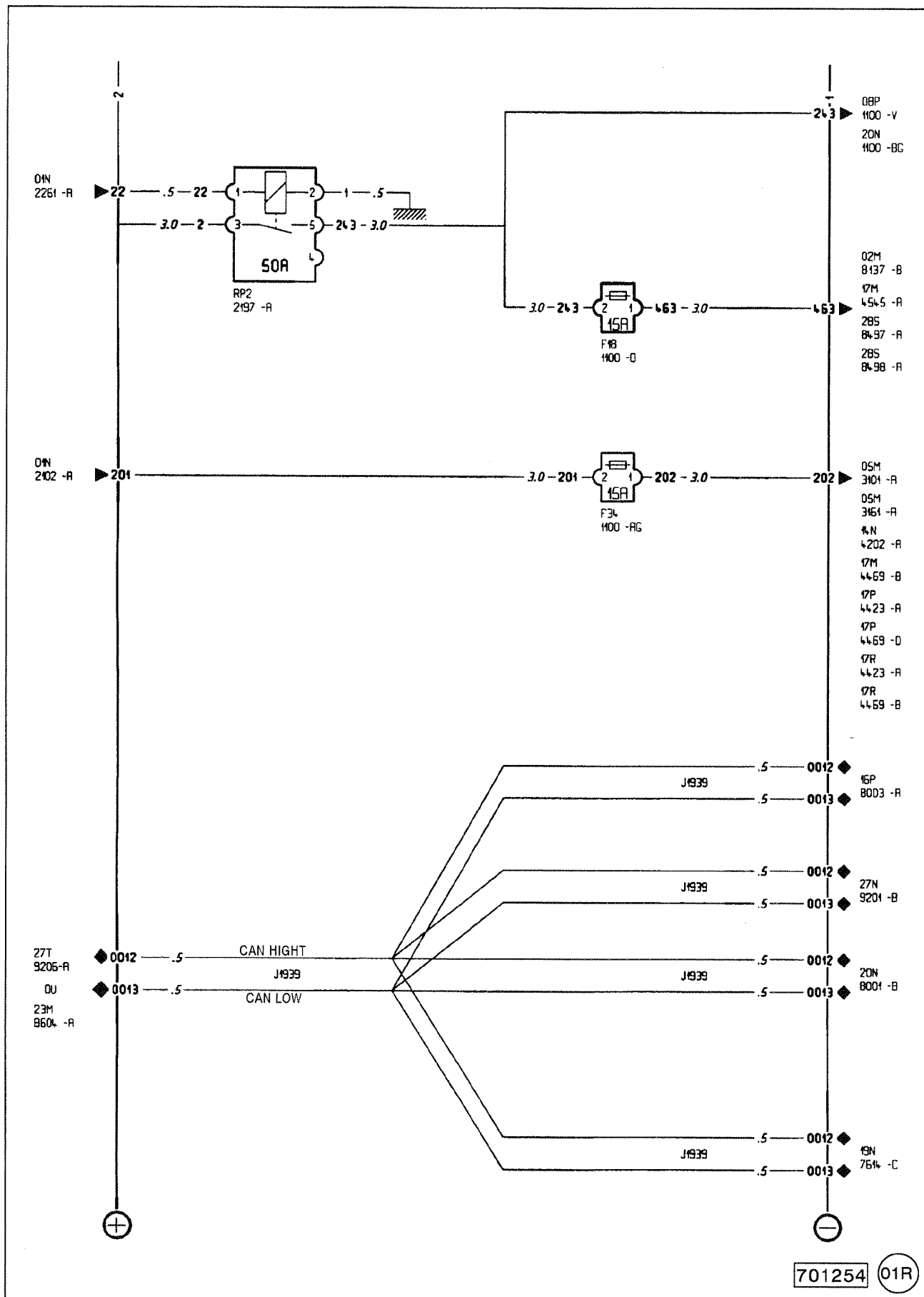
701254 01N

POWER SUPPLY / STARTING

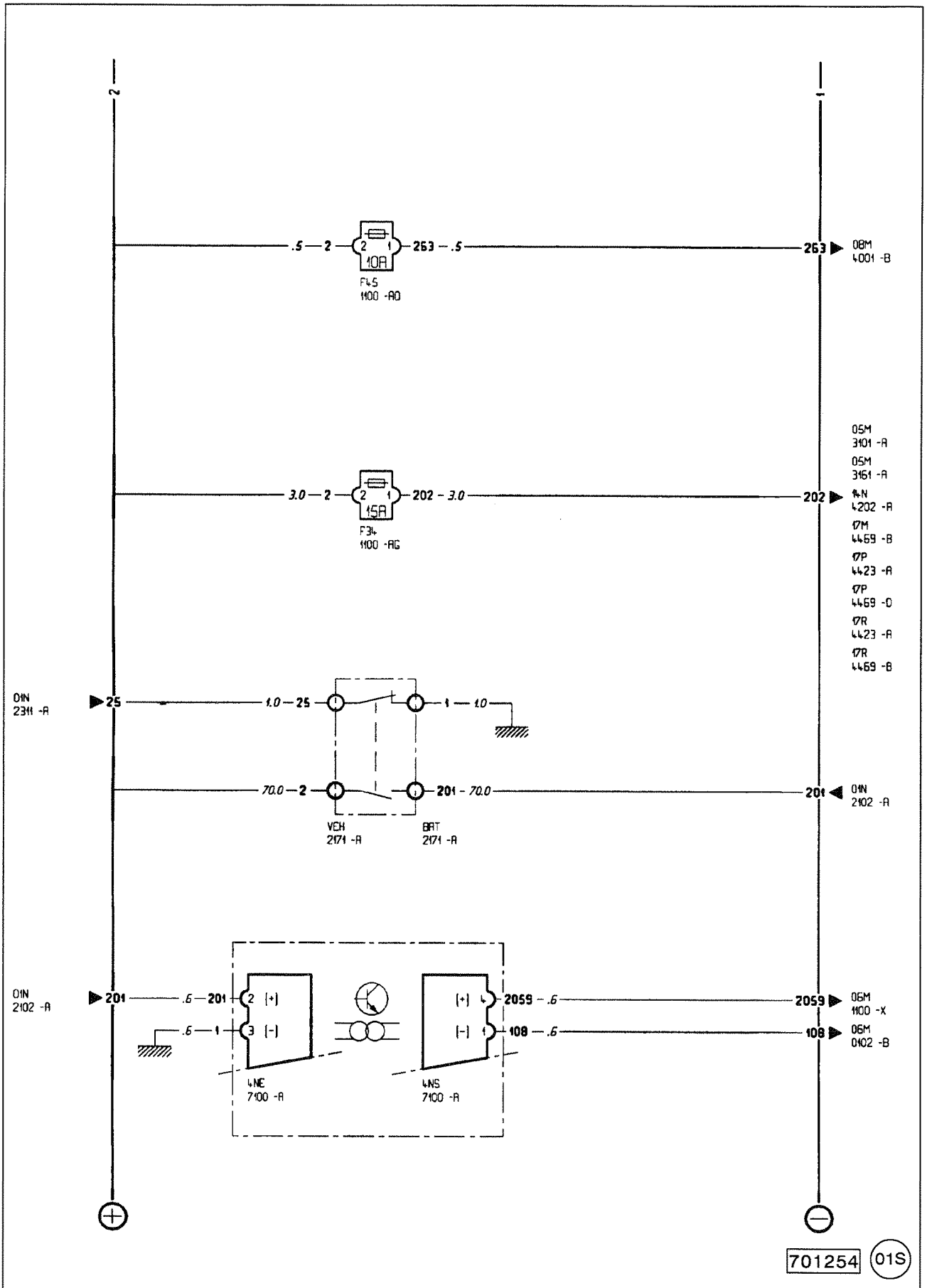


701254 01P

POWER SUPPLY AND CONTROLS

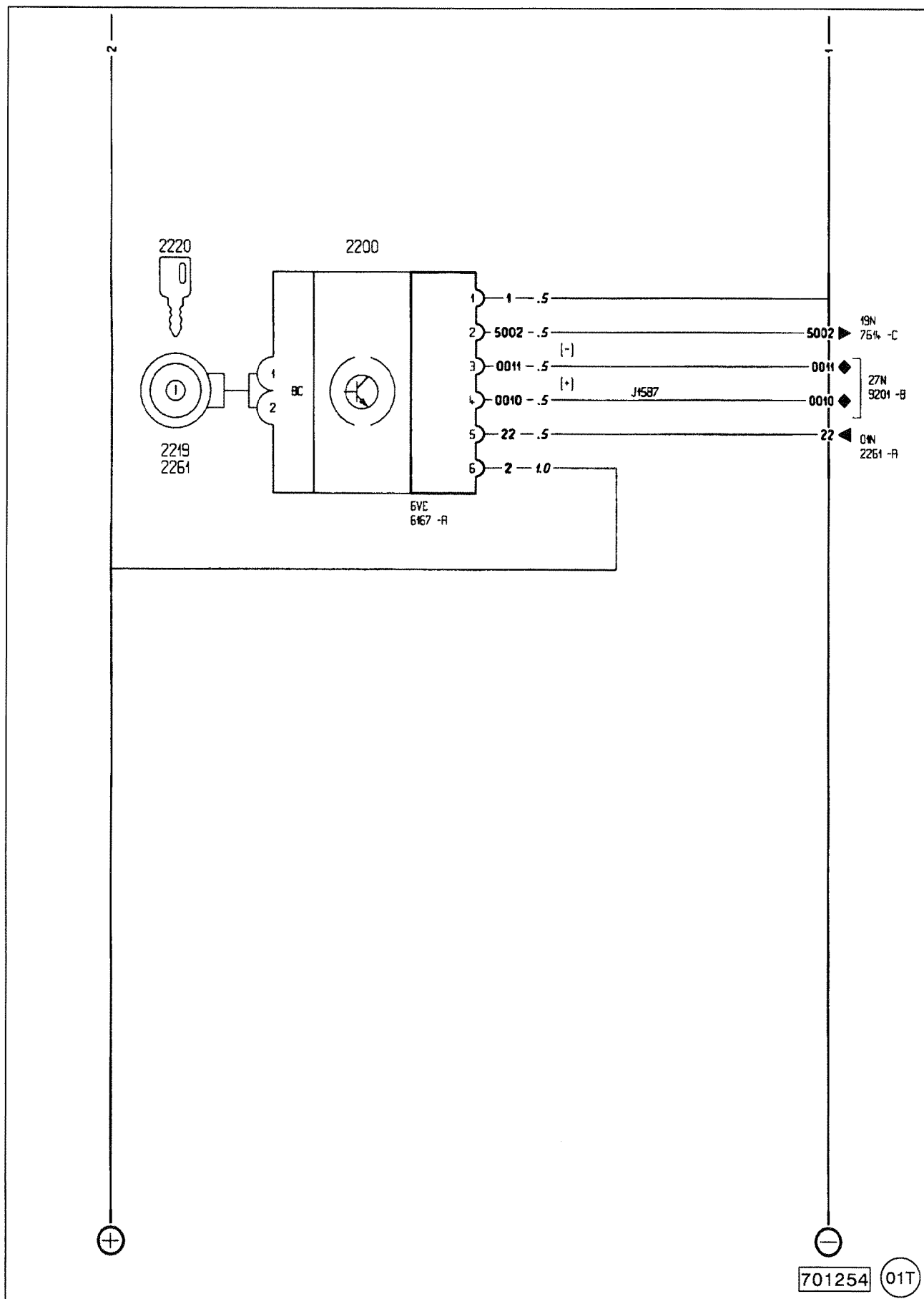


BUS / CAN J1939 INTERCONNECTION BOX

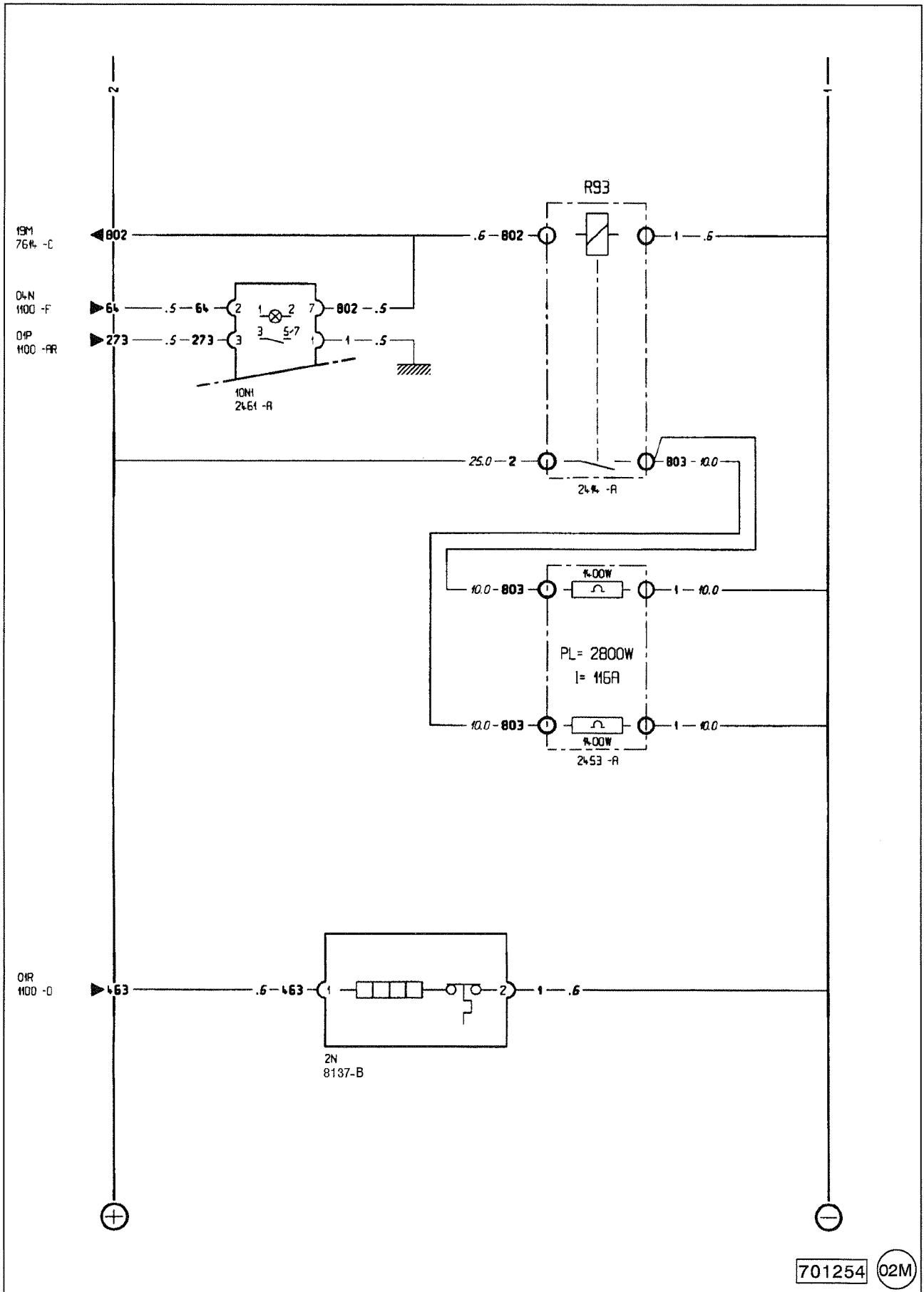


701254 01S

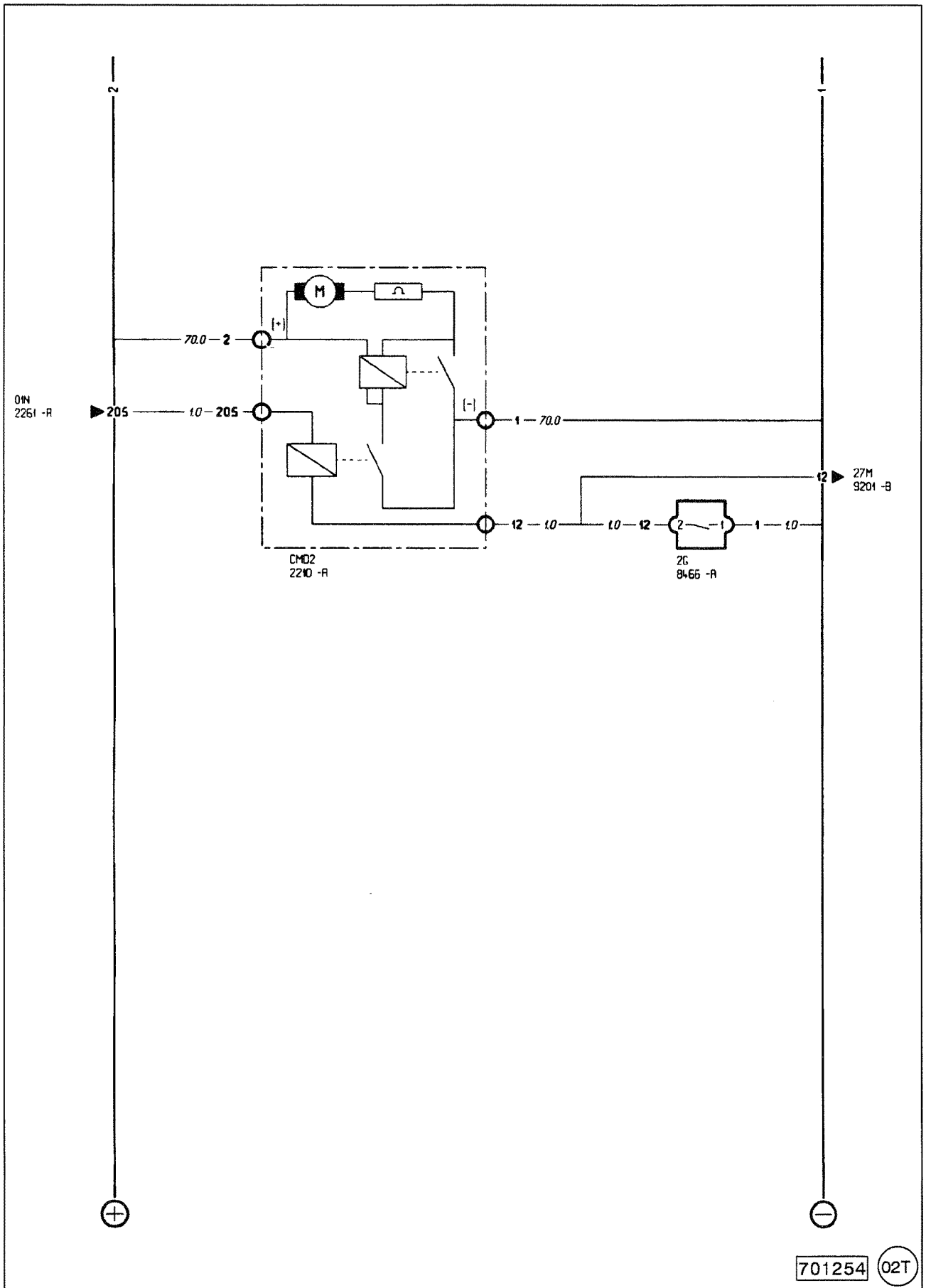
ADR EQUIPMENT



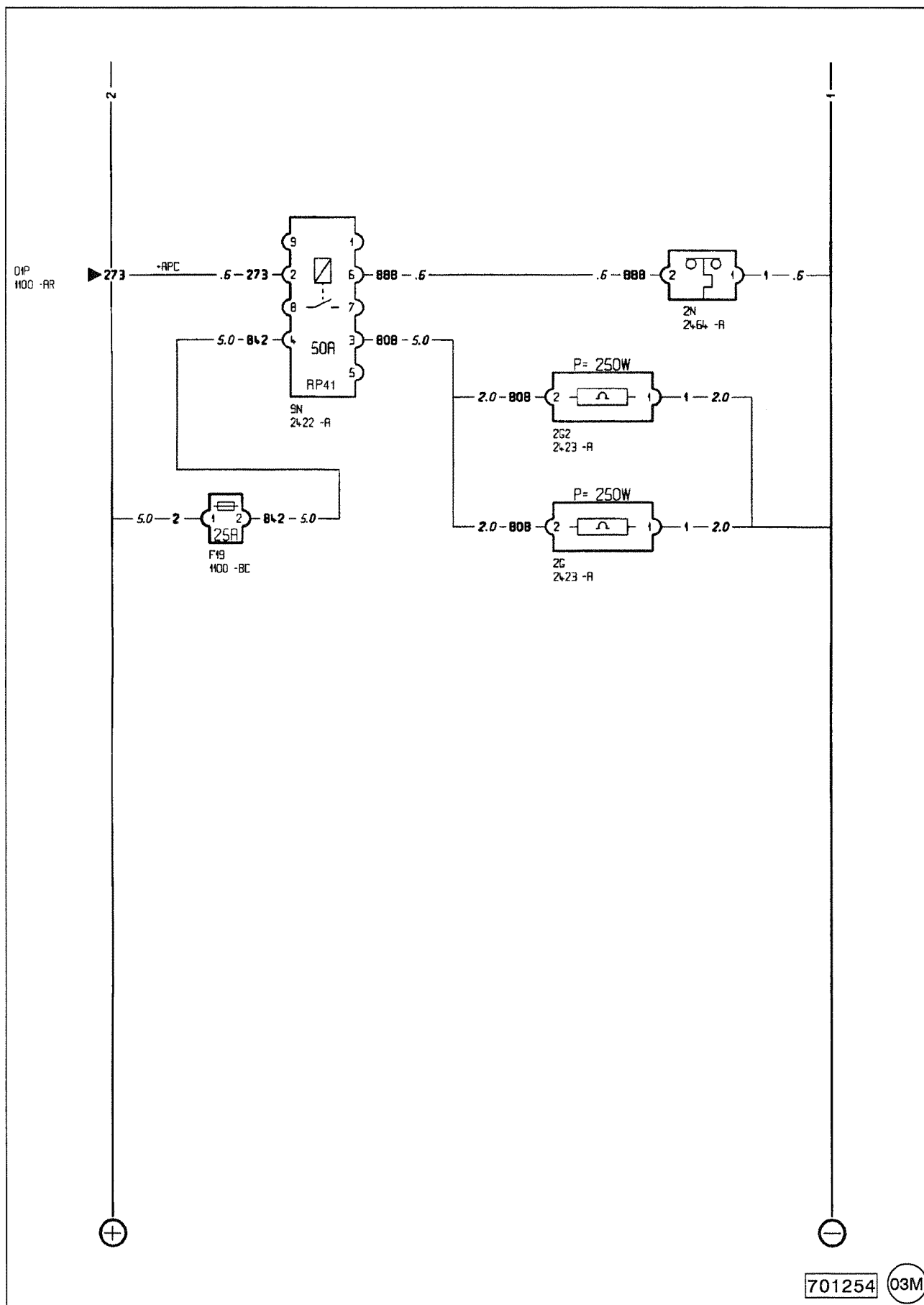
ELECTRONIC THEFT PROTECTION SYSTEM



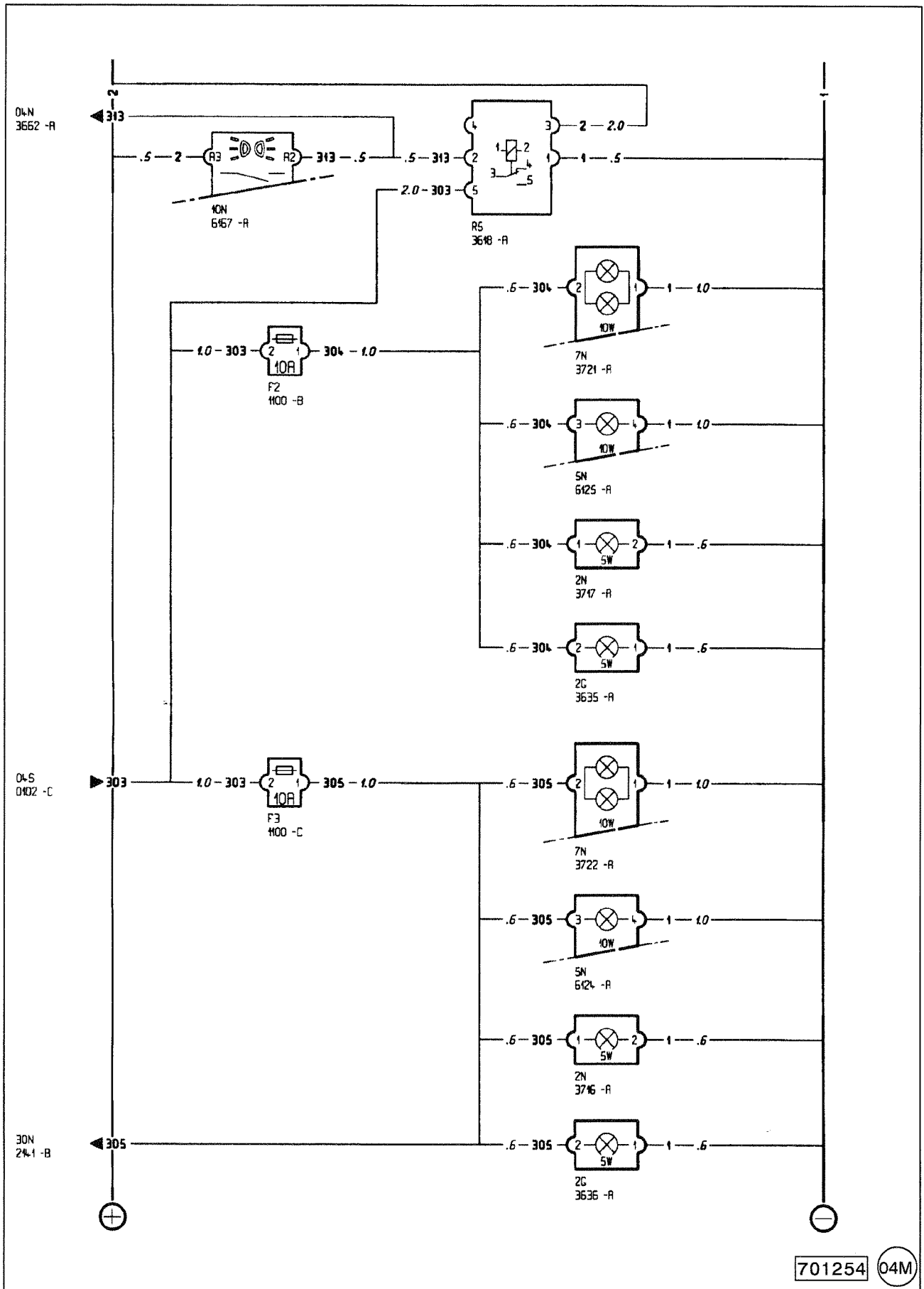
PREHEATING



STARTING

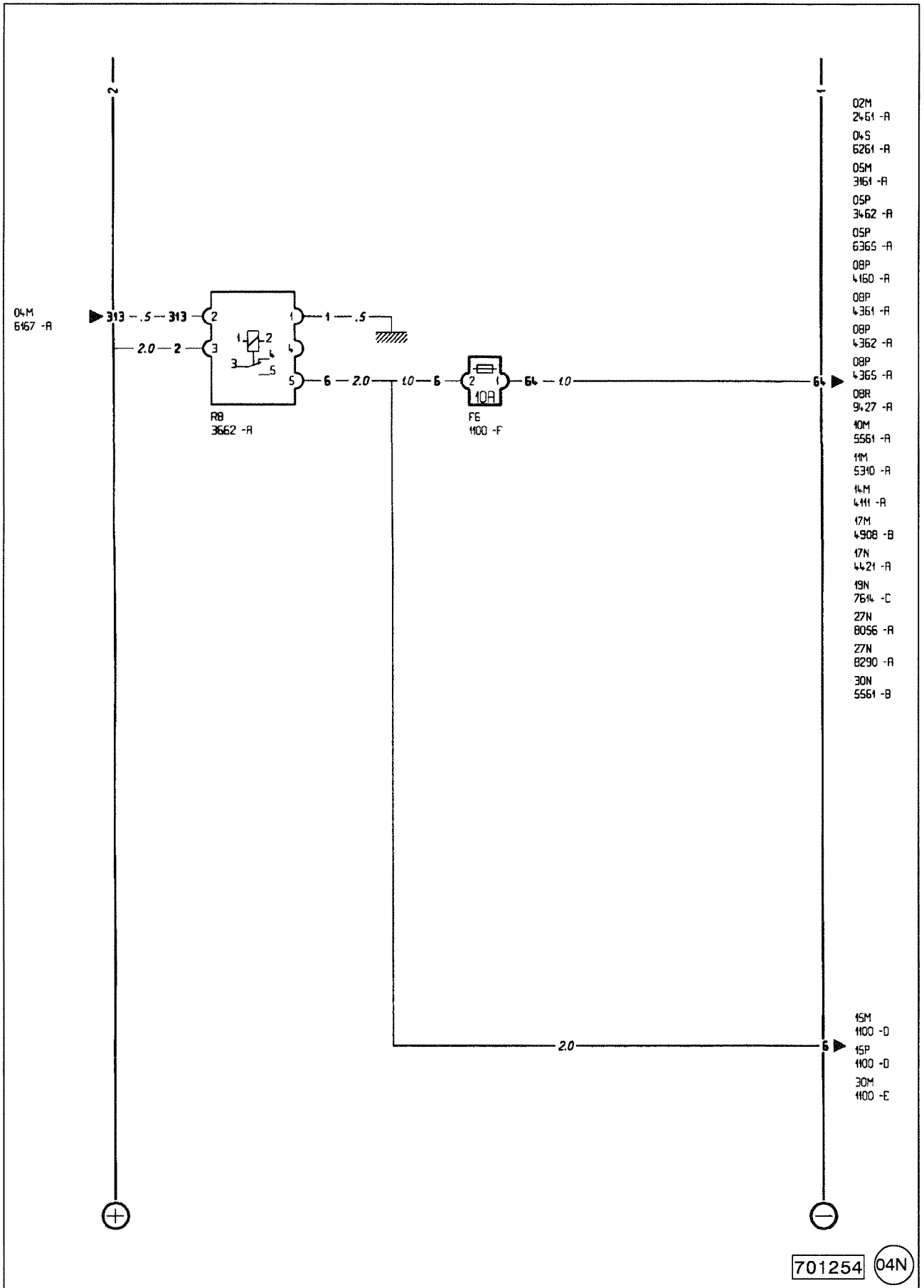


FUEL HEATING

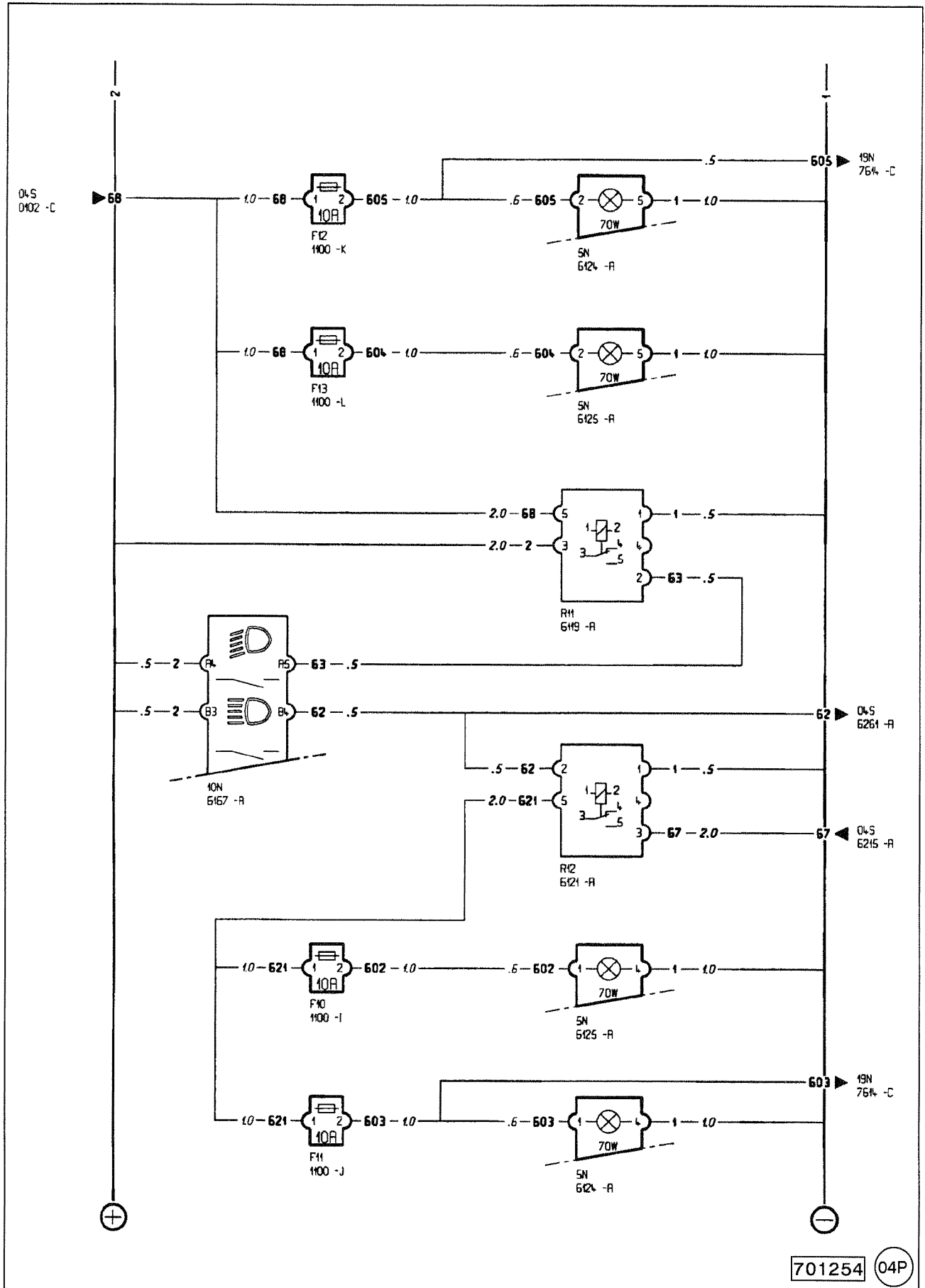


701254 04M

SIGNALLING

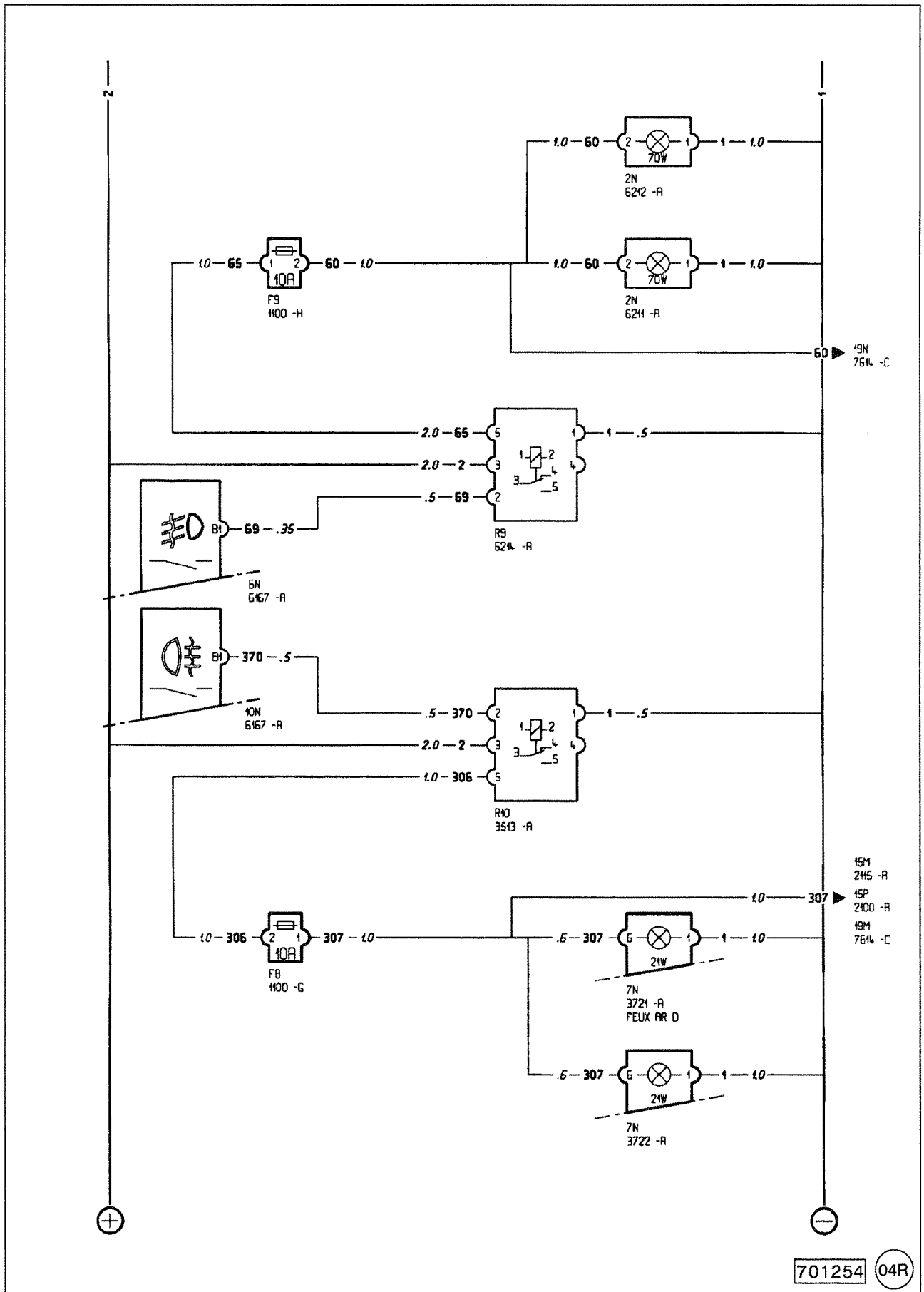


SIGNALLING



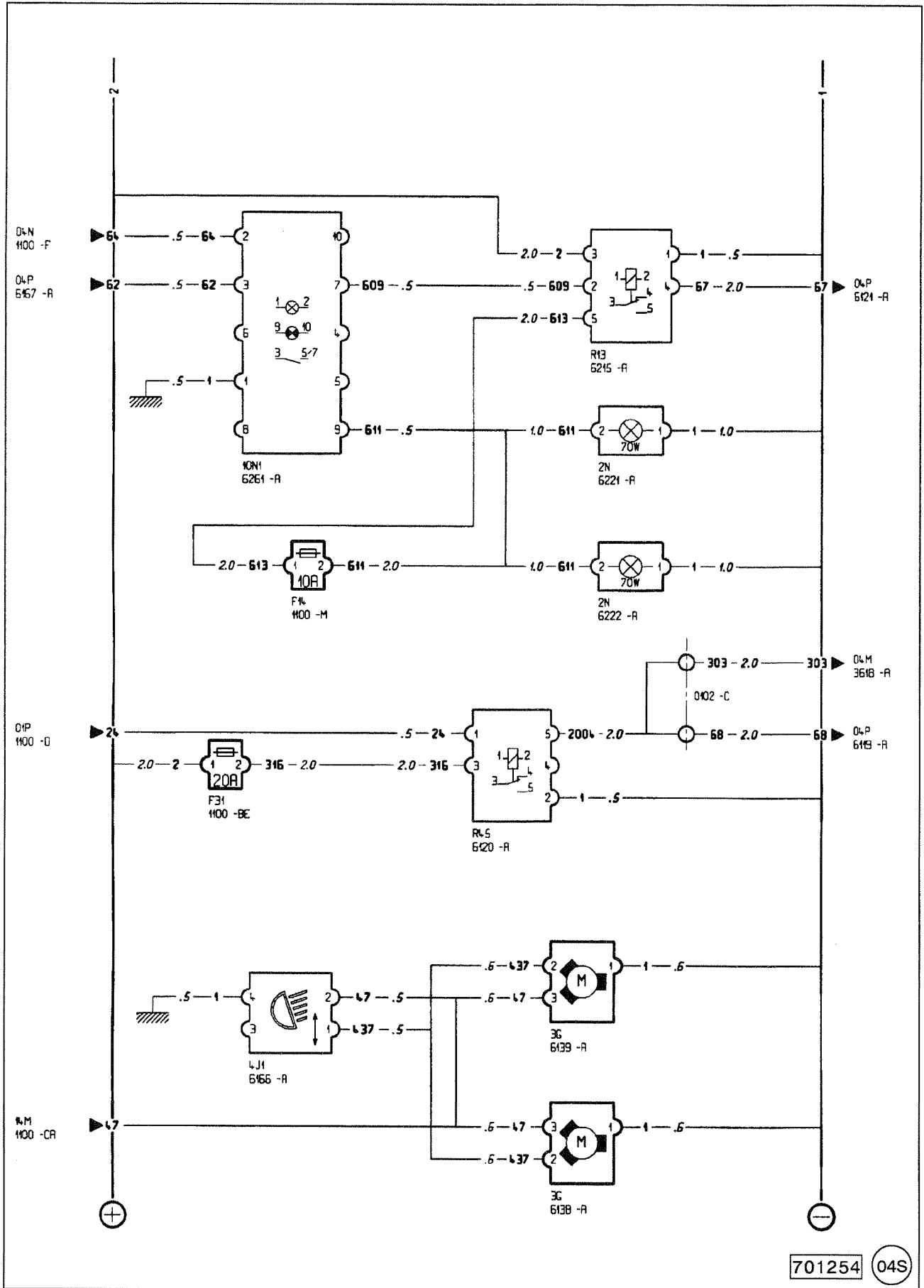
701254 04P

SIGNALLING



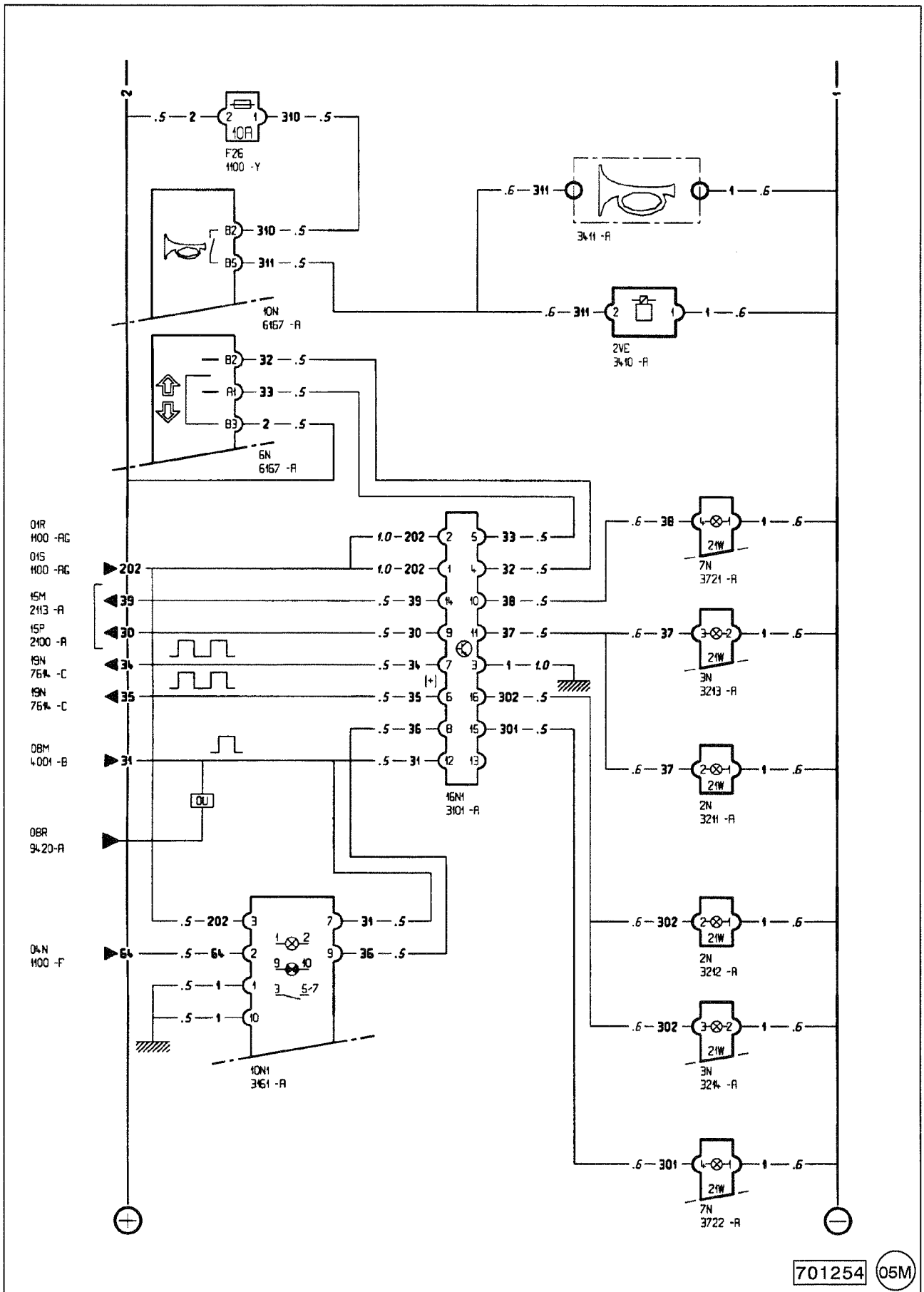
701254 (04R)

SIGNALLING



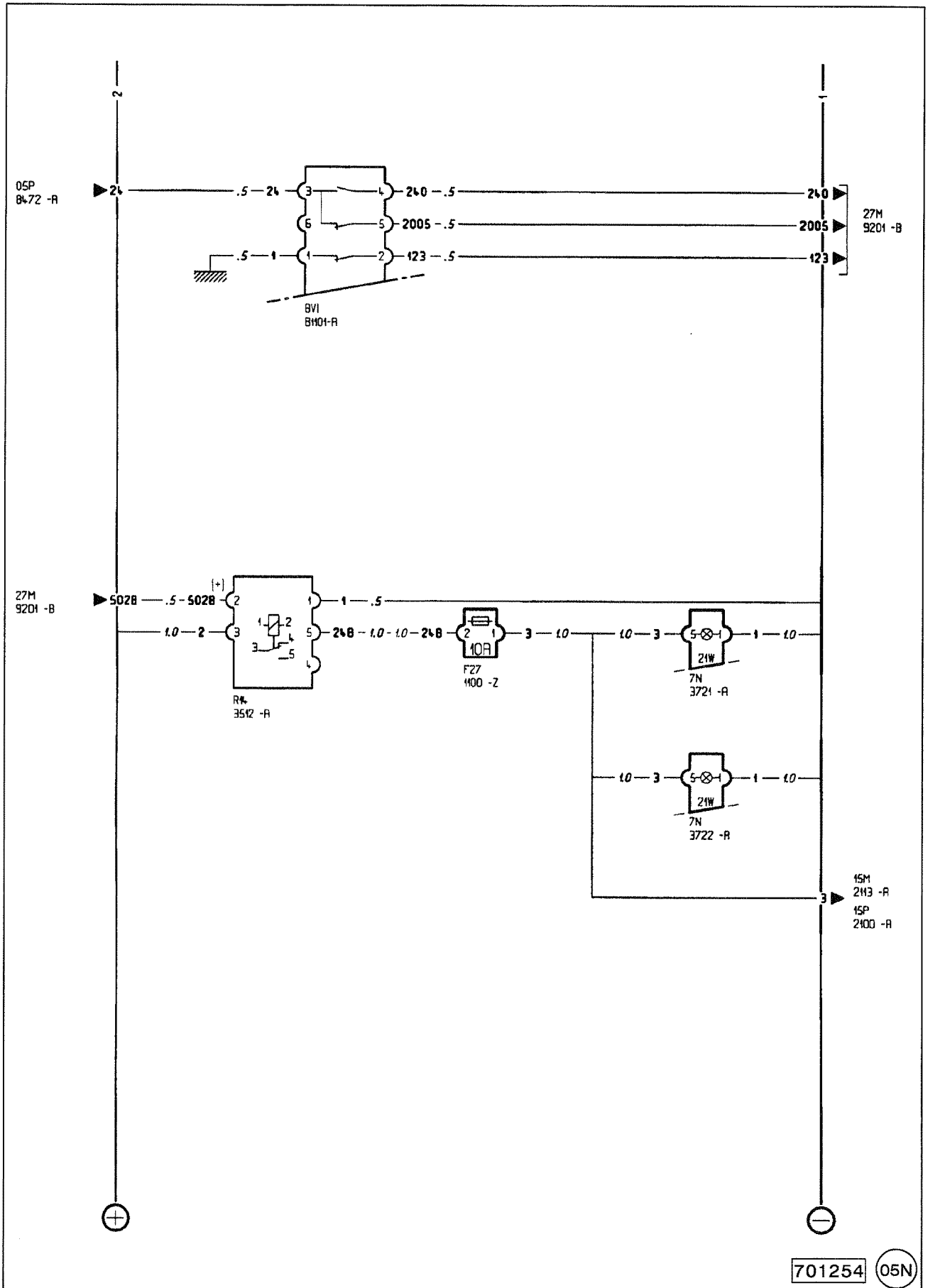
701254 04S

SIGNALLING



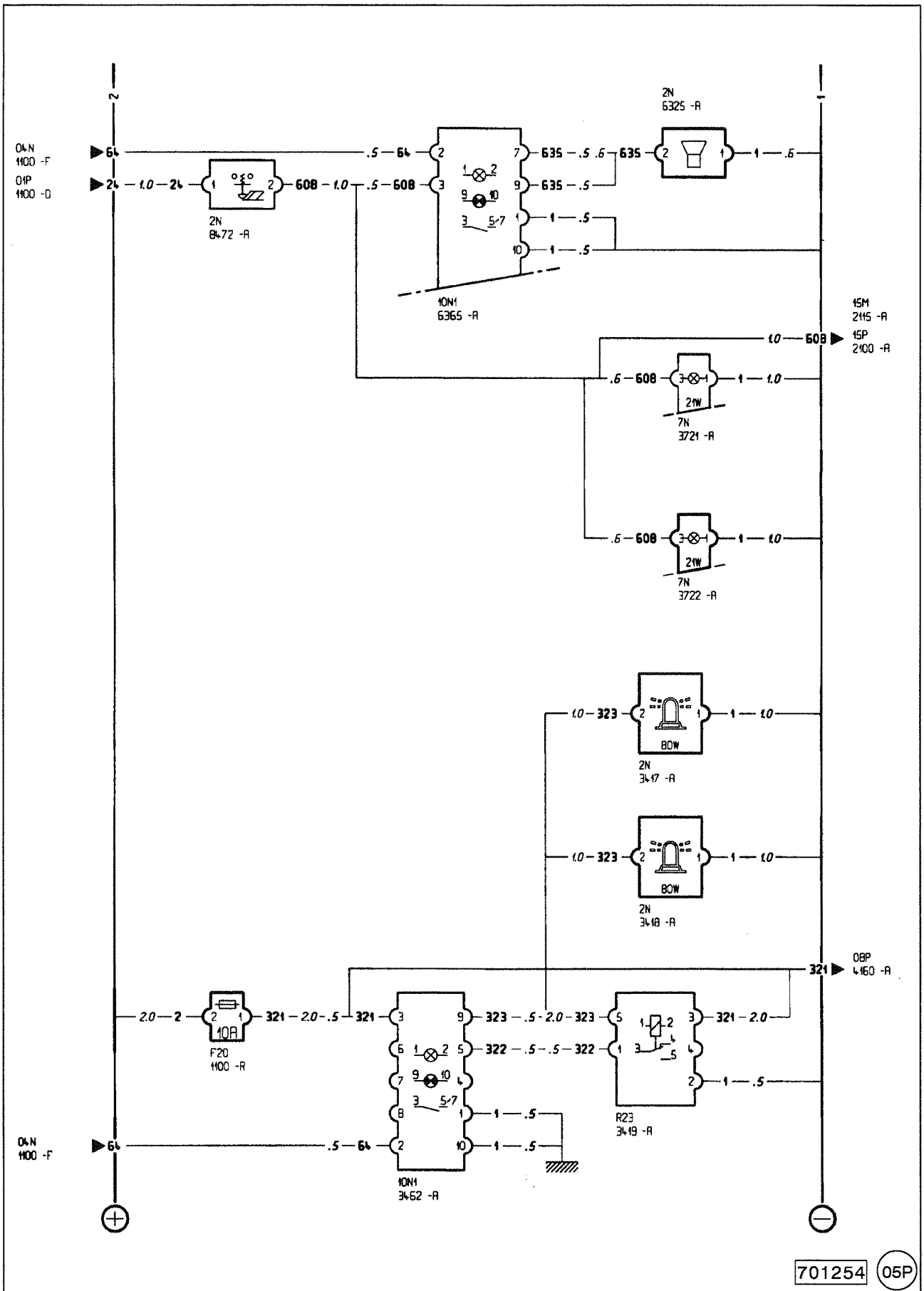
701254 (05M)

SIGNALLING



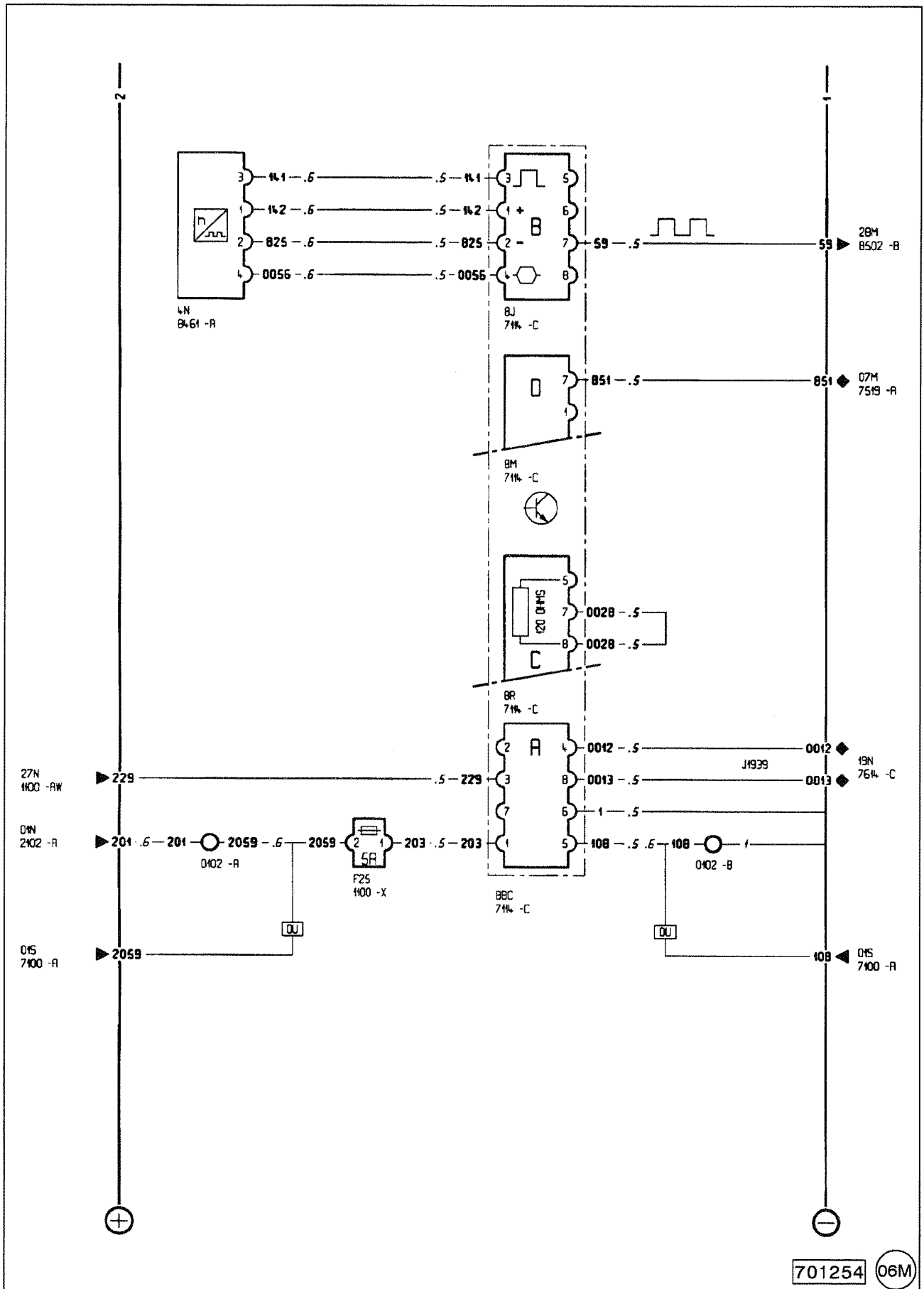
701254 (05N)

STOP LIGHTS



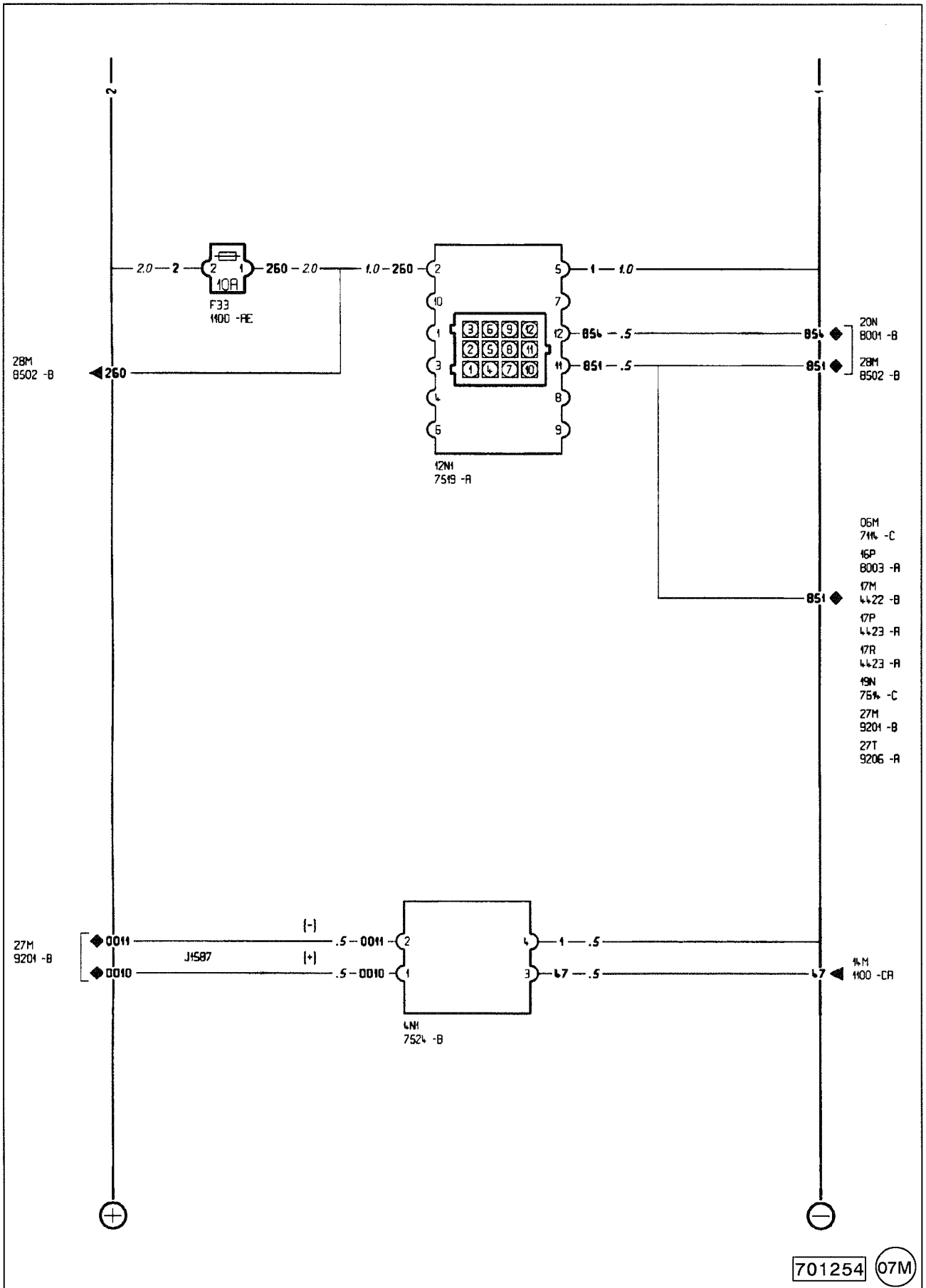
701254 05P

REVERSING LIGHTS



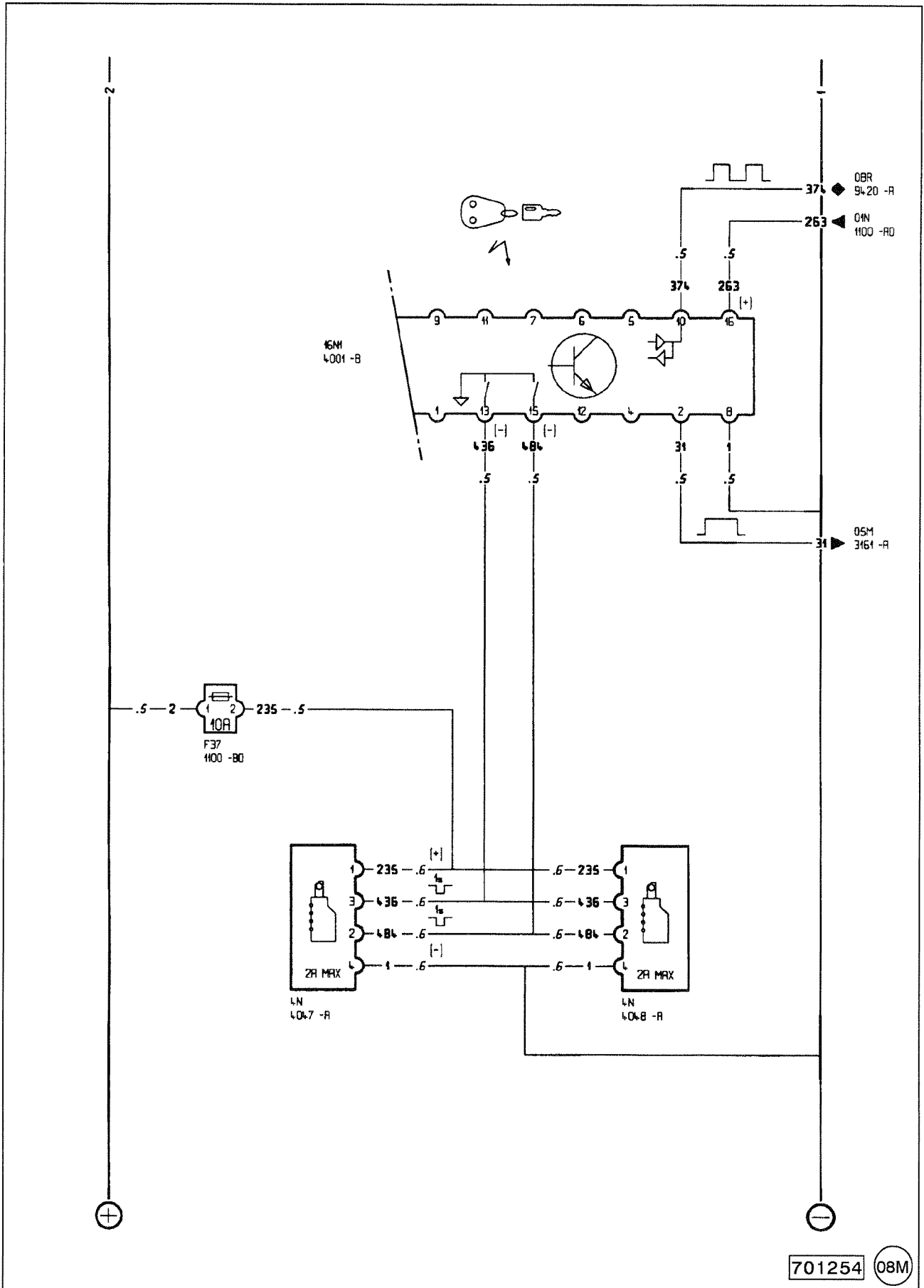
701254 (06M)

TACHOGRAPH



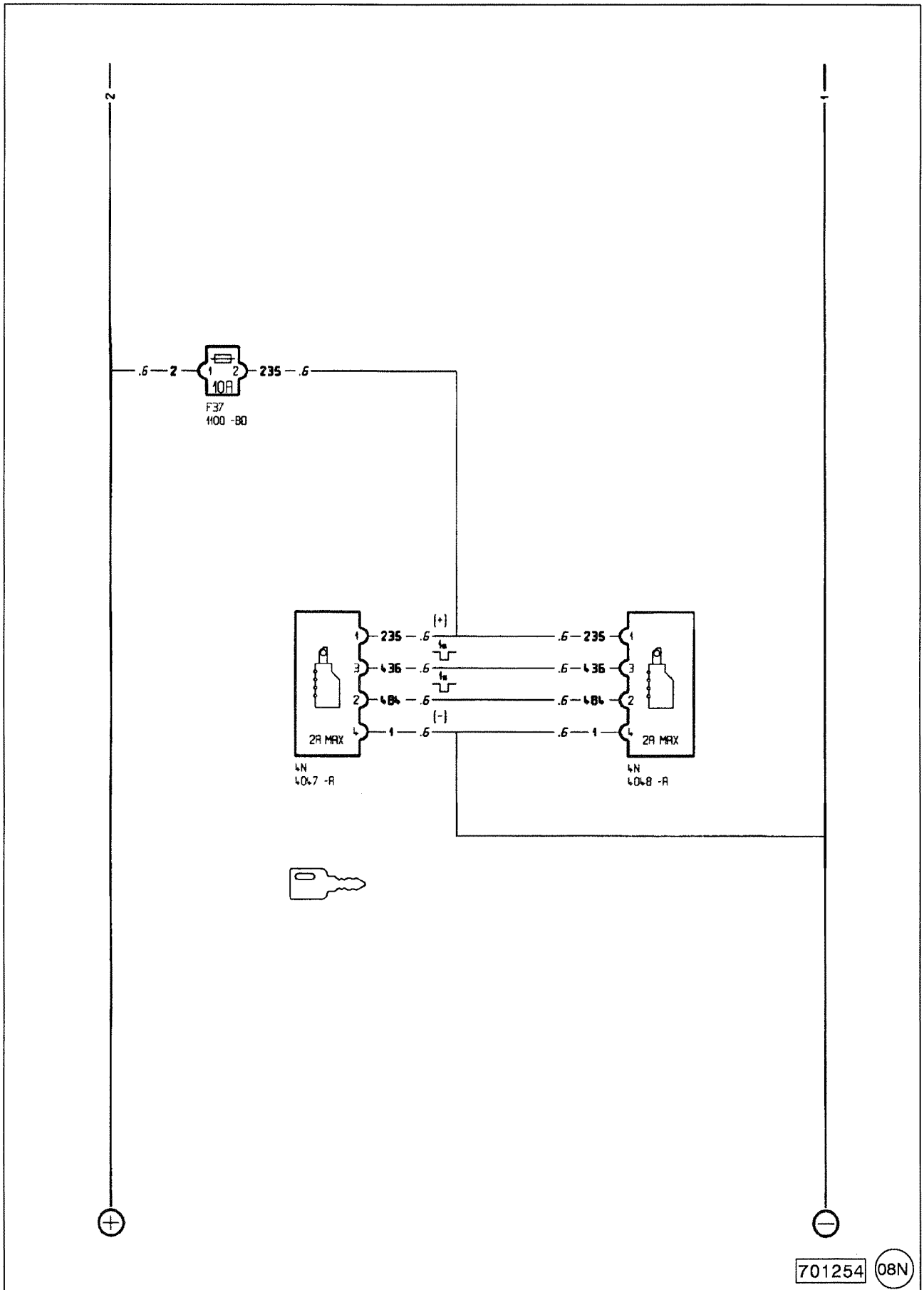
701254 07M

DIAGNOSTICS SOCKETS

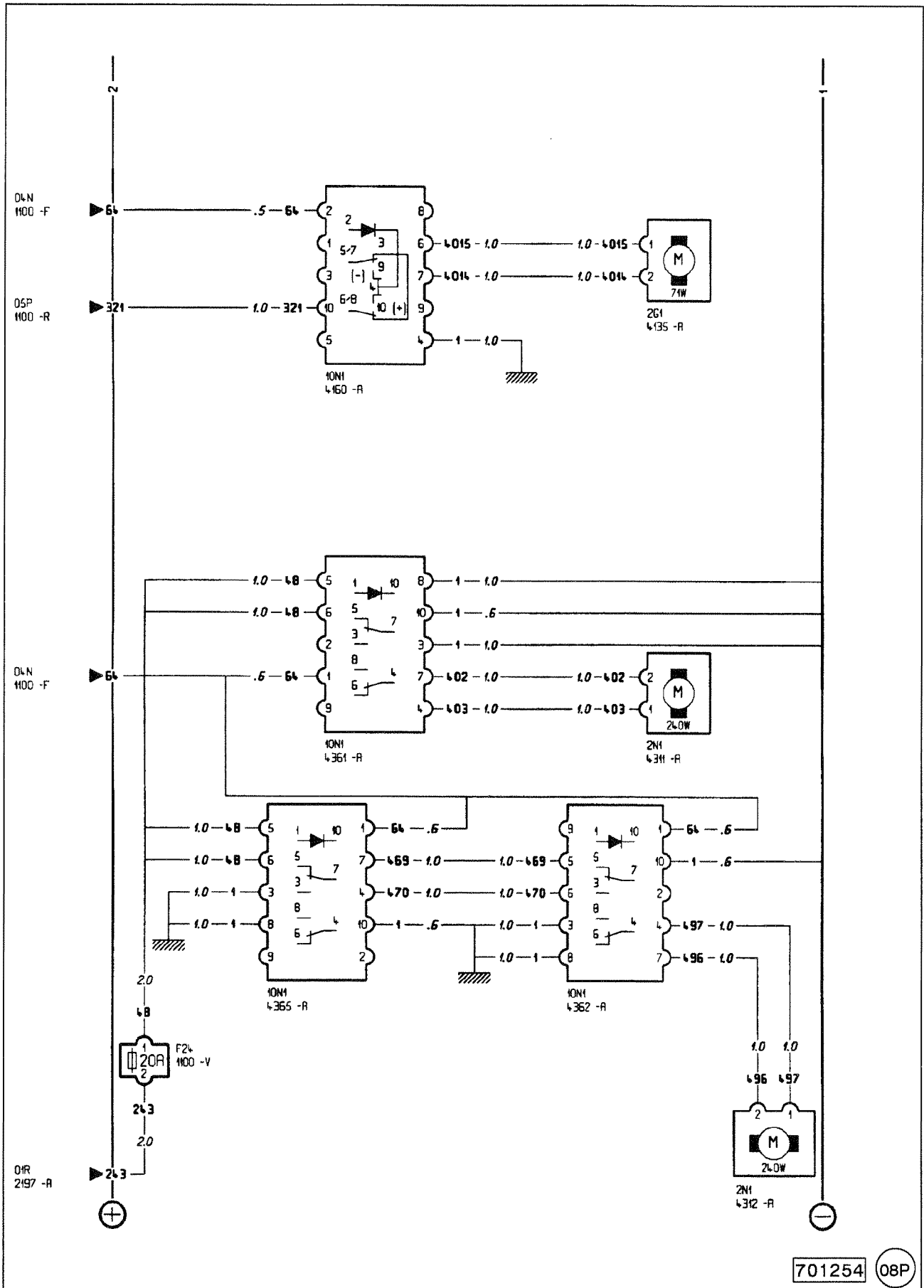


701254 (08M)

DOORS LOCKING

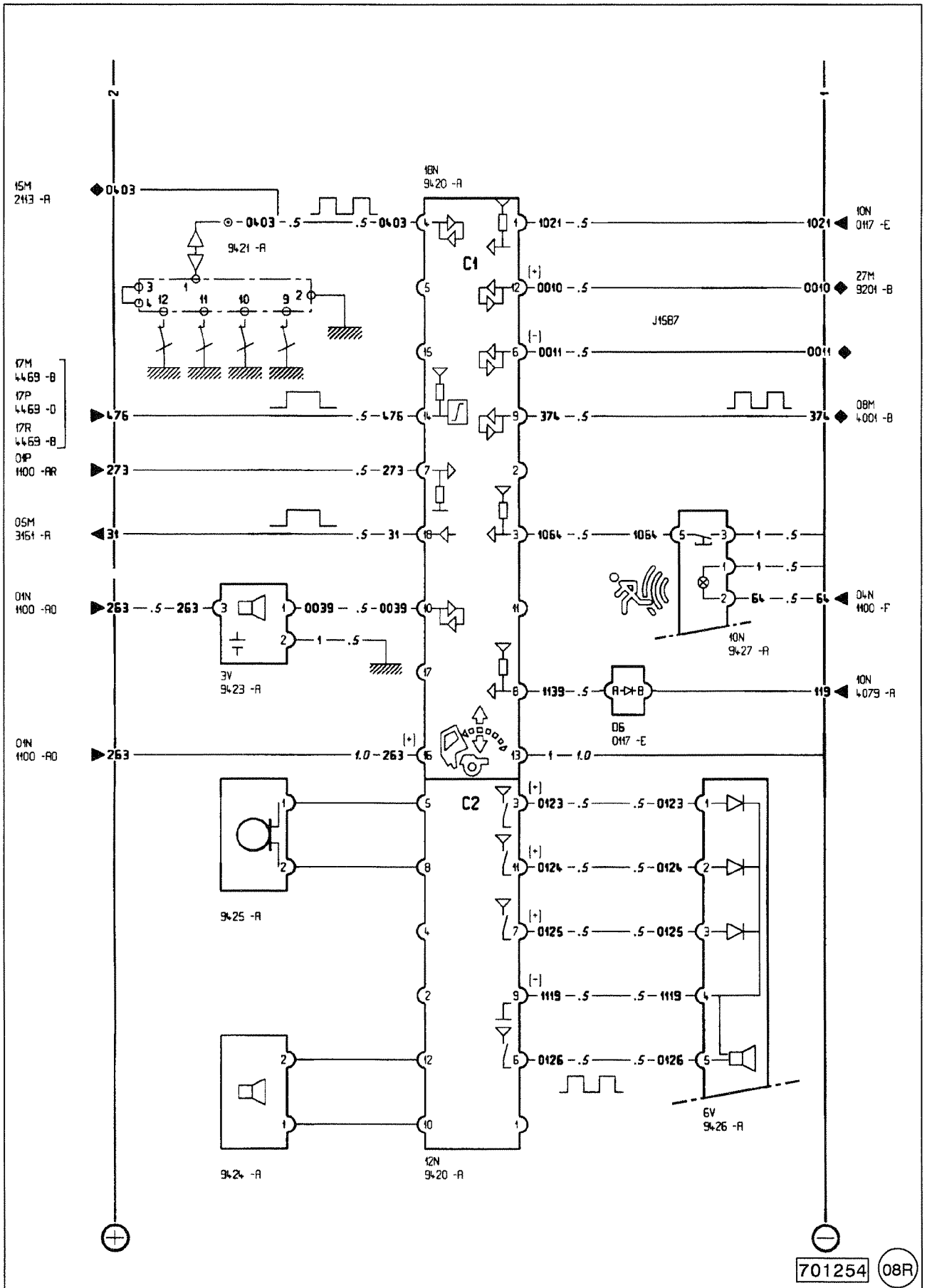


DOORS LOCKING



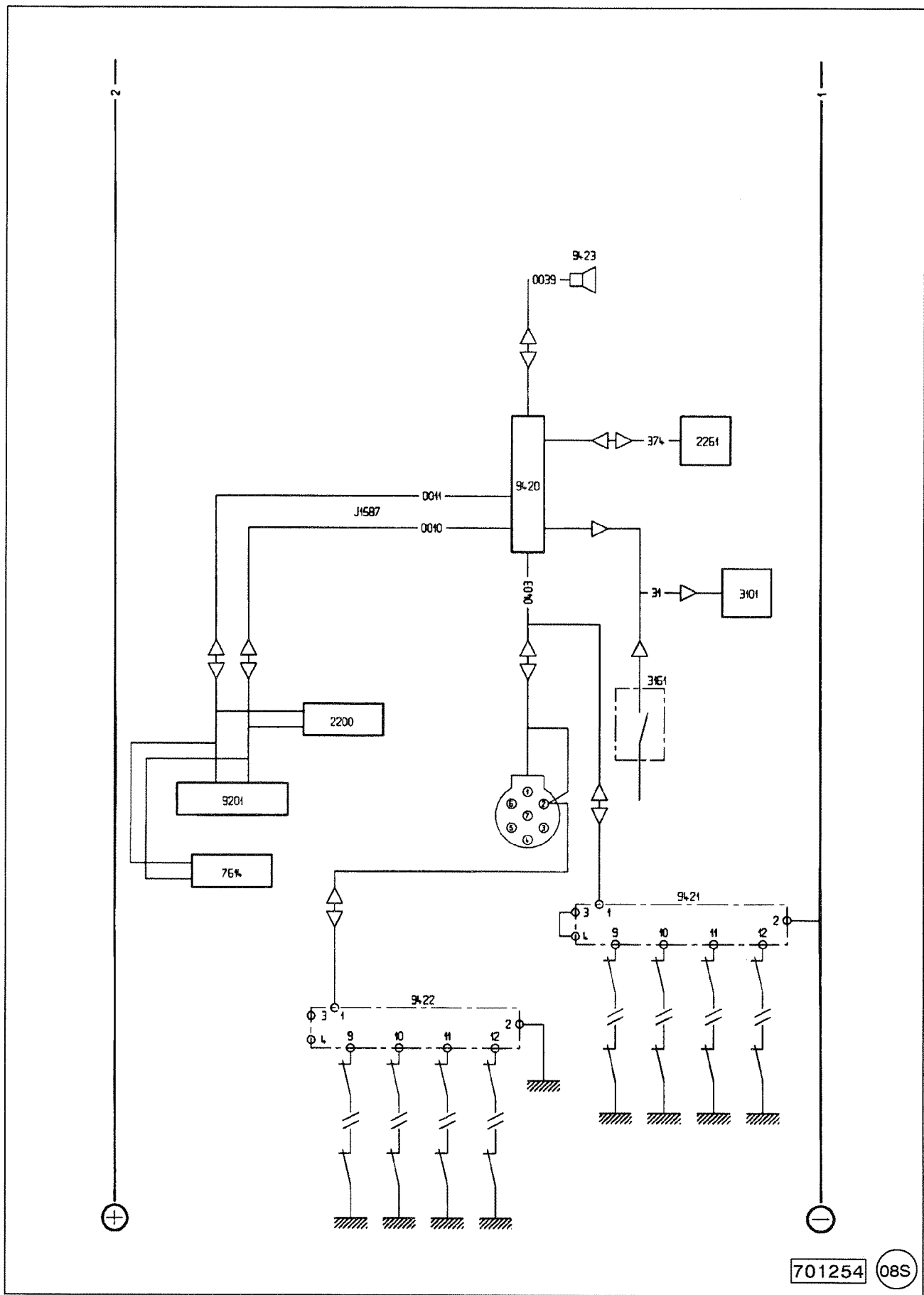
701254 08P

DOORS AND ROOF



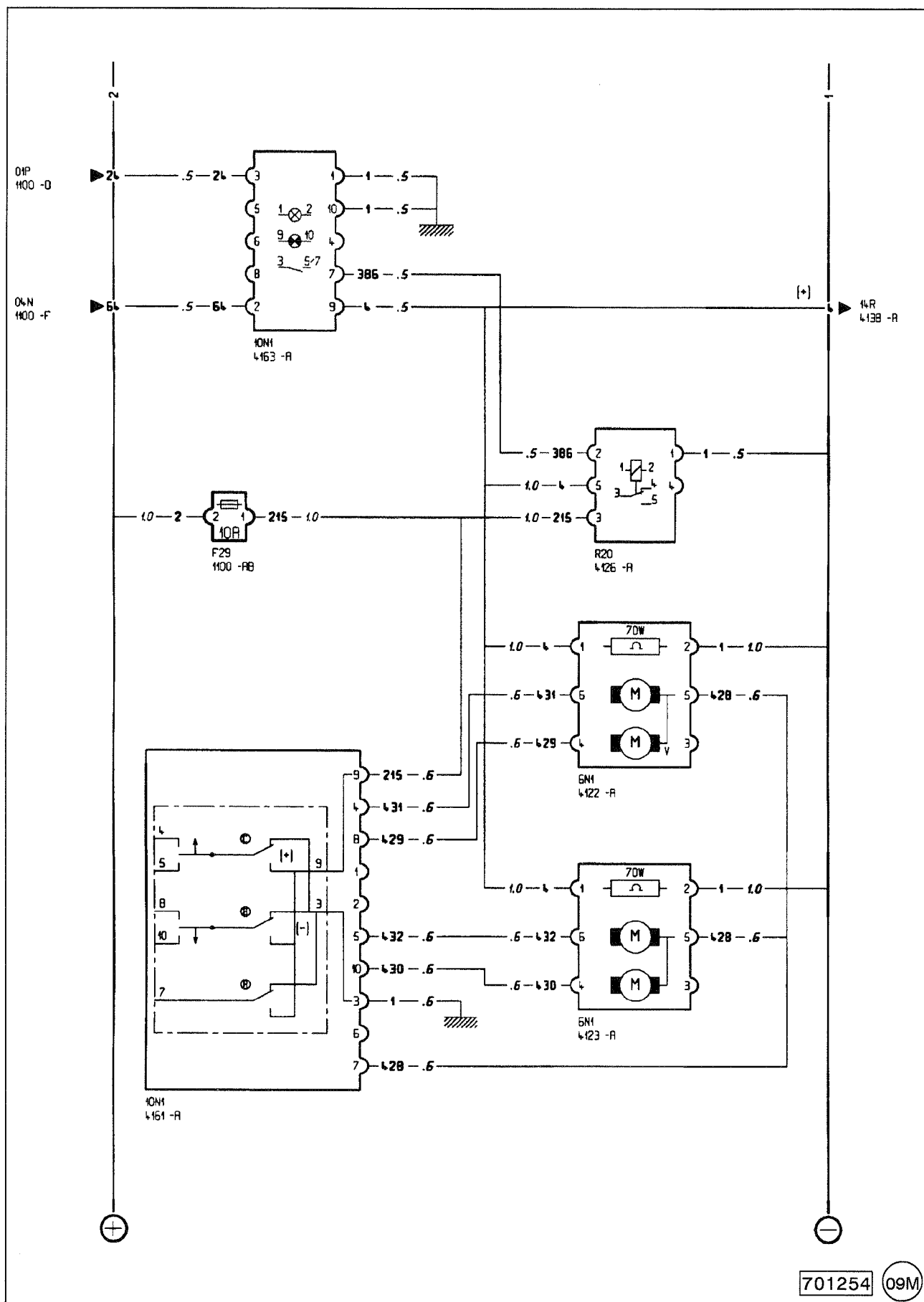
701254 08R

ALARM

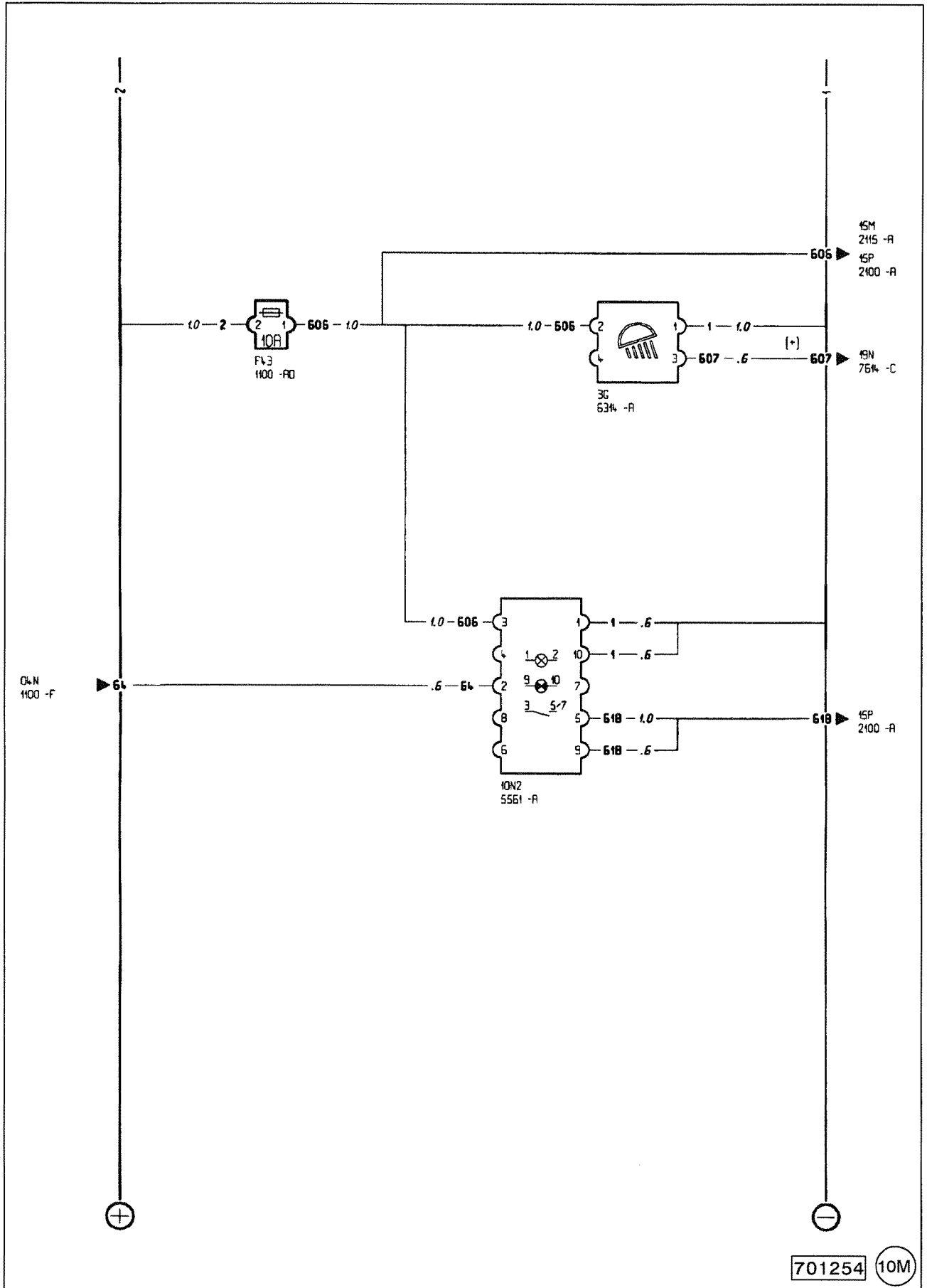


701254 08S

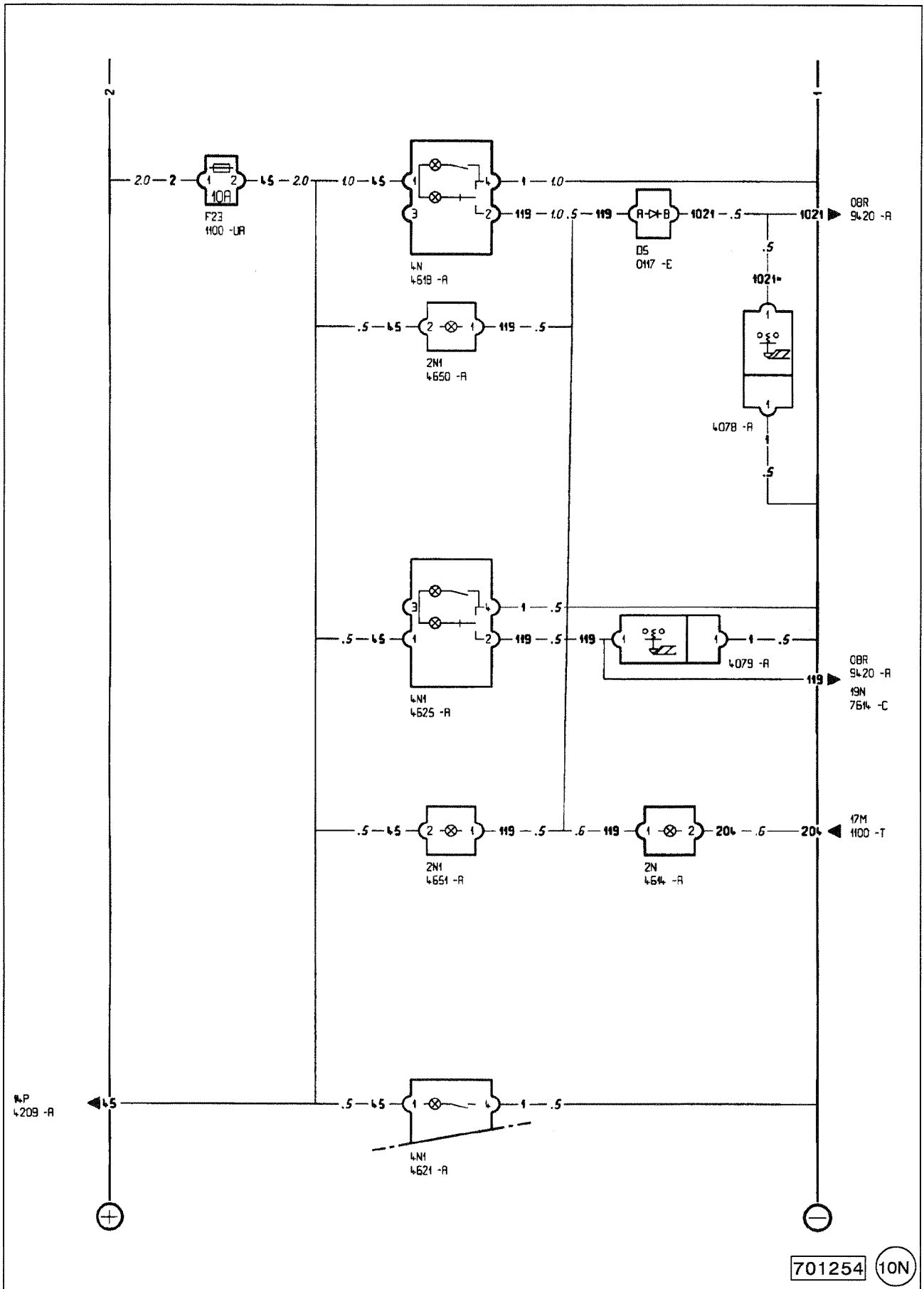
ALARM



ELECTRIC DEFROSTING REARVIEW MIRROR

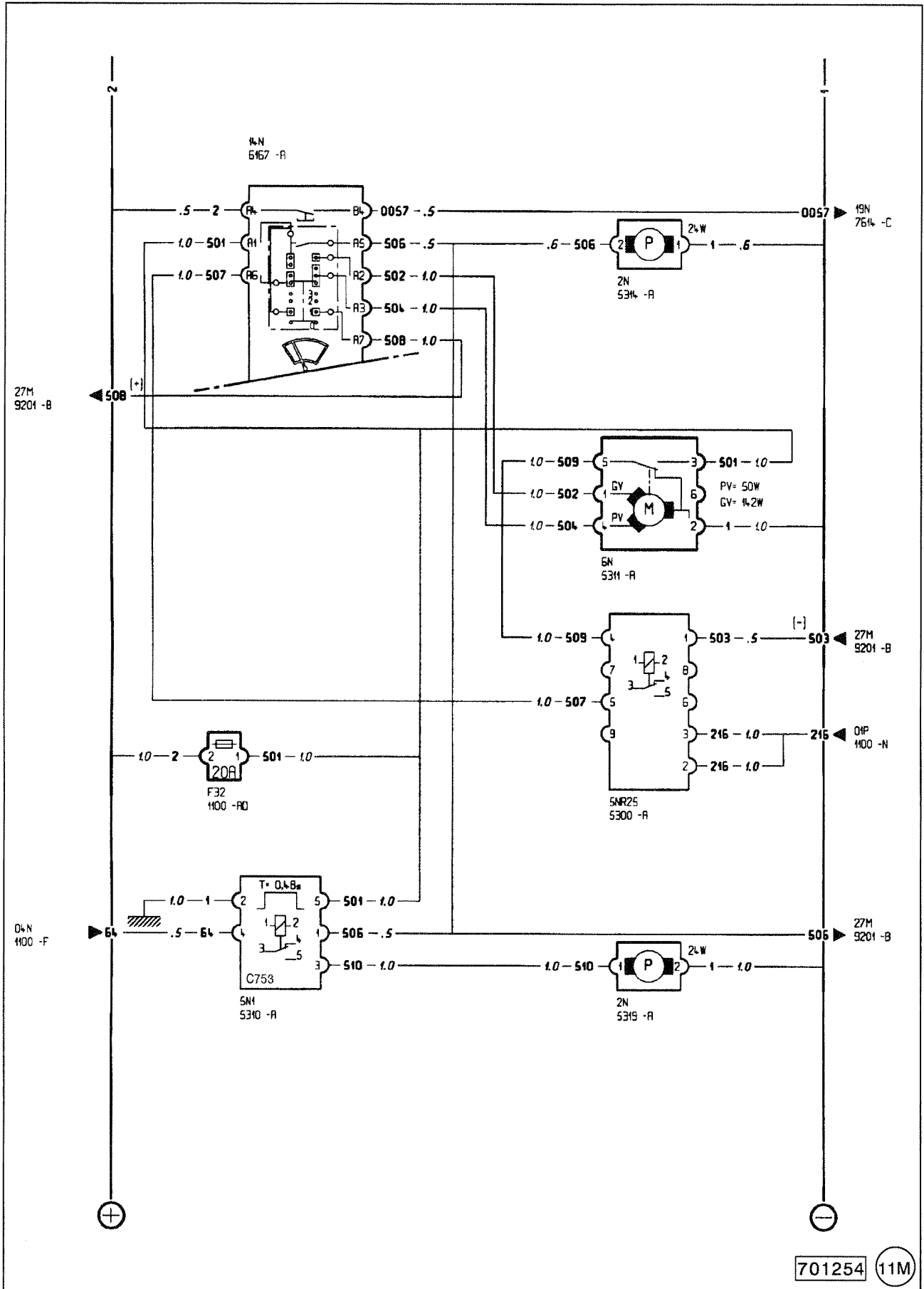


LOADING FLOODLIGHT

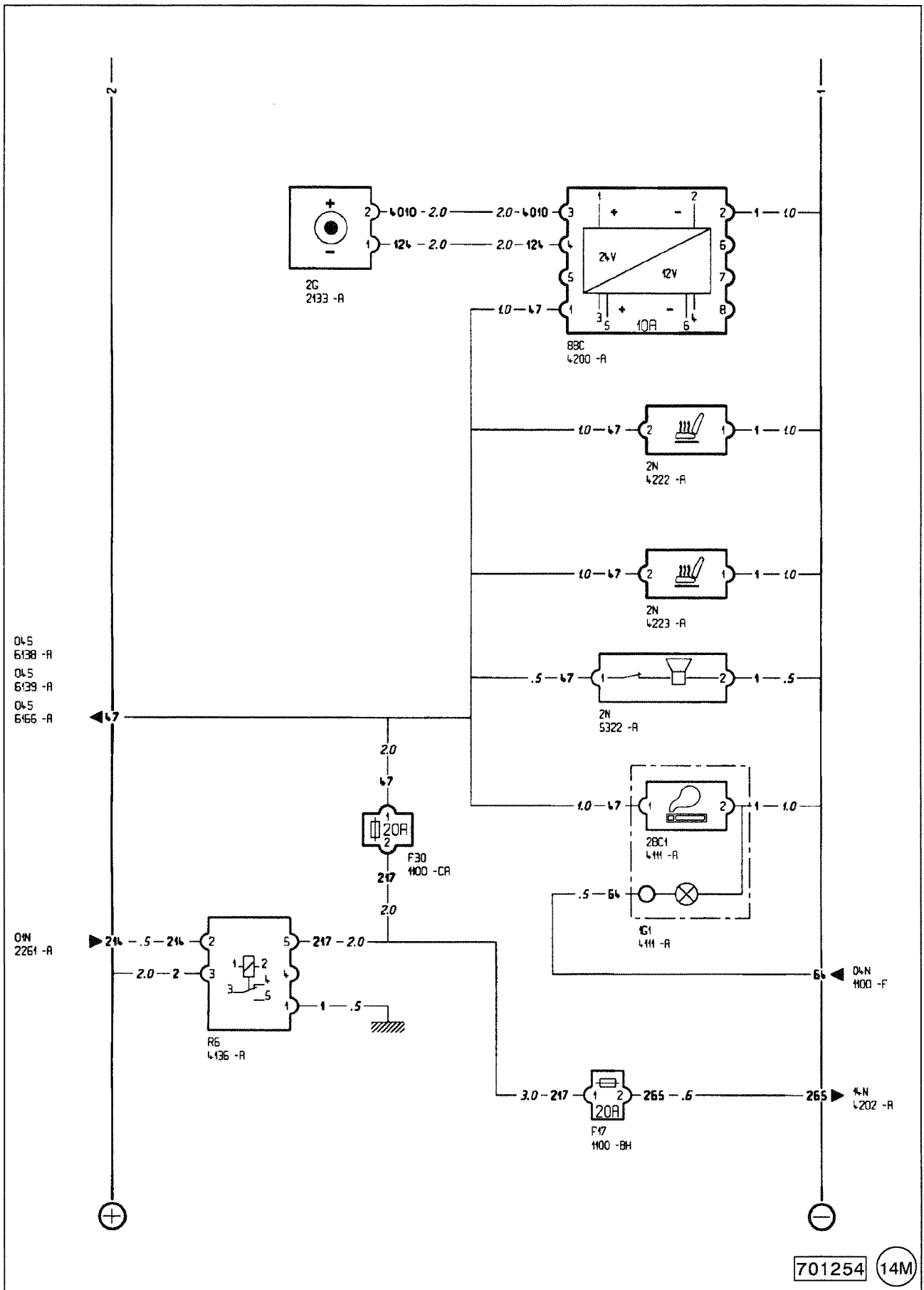


701254 (10N)

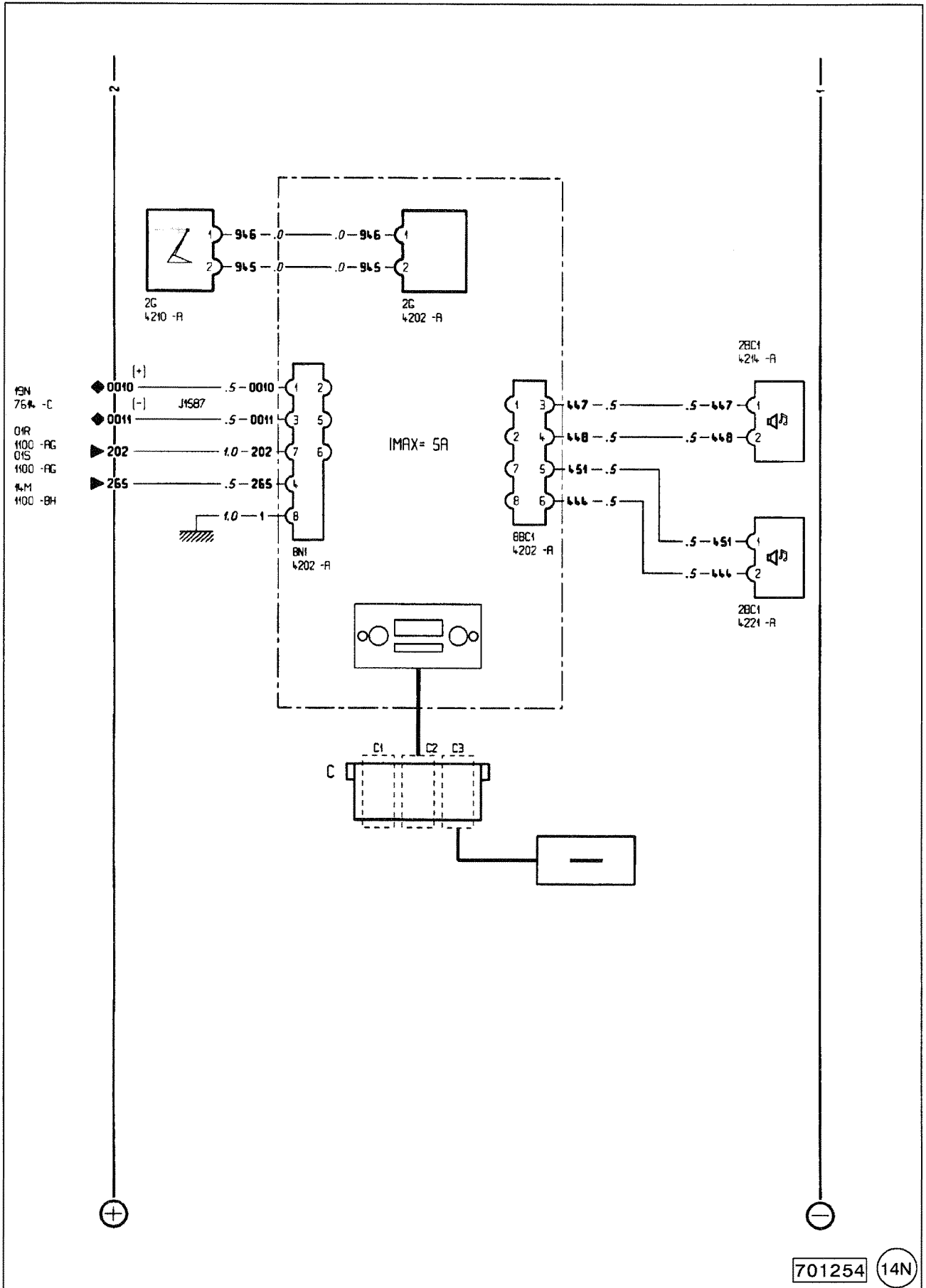
CAB INTERIOR LIGHTING



WINDSCREEN WIPER / SCREEN WASH / HEADLAMP WASH

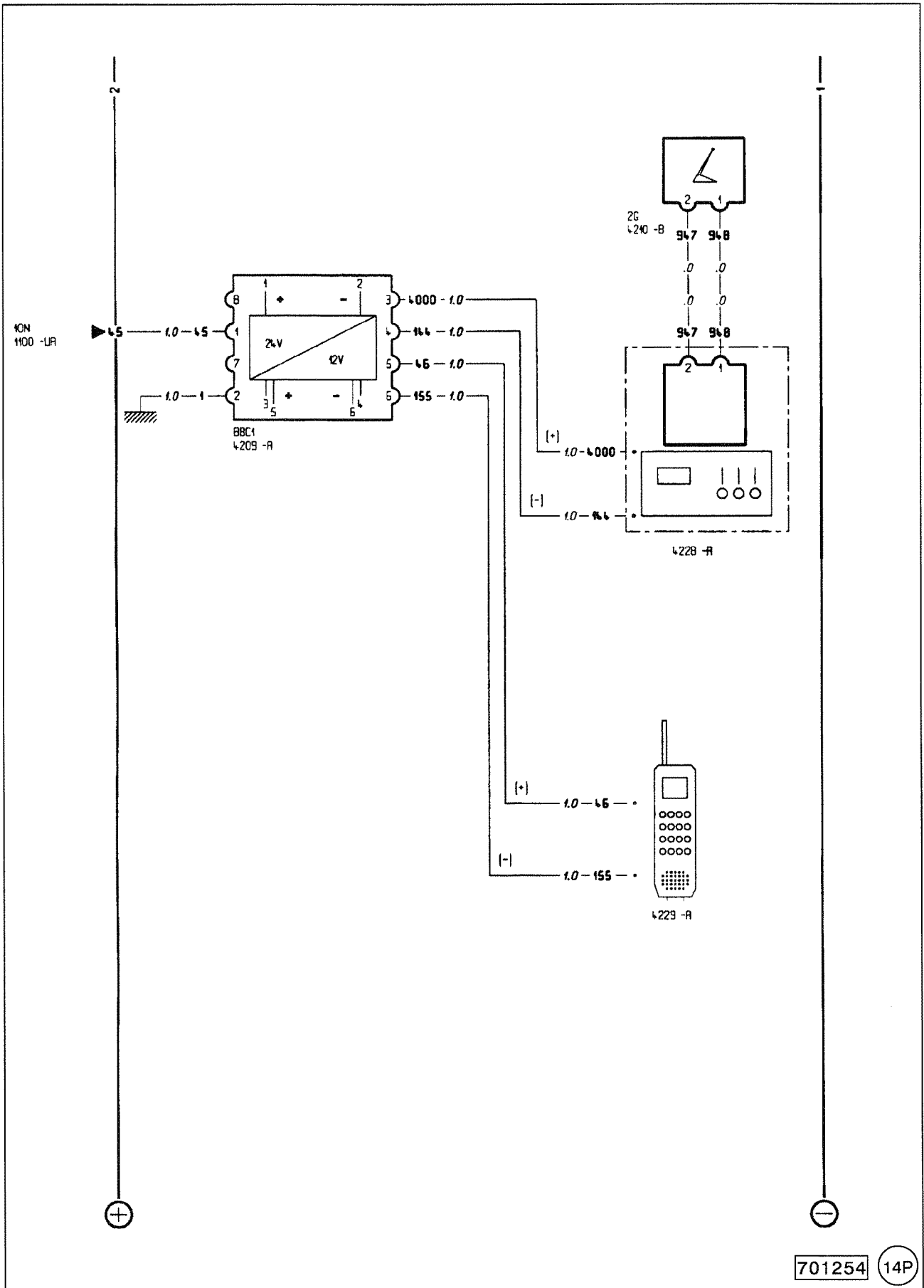


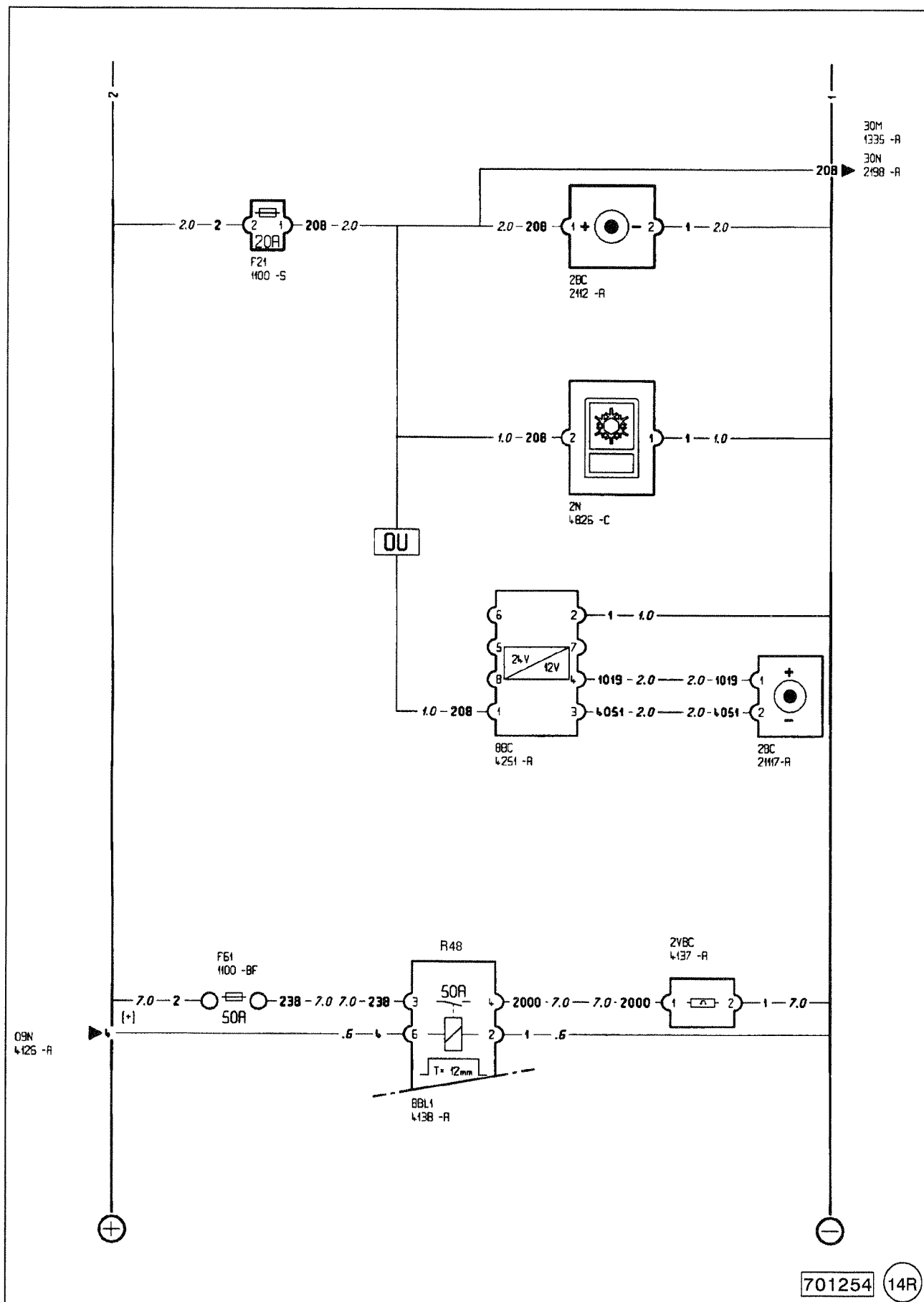
HEATED SEAT / CIGAR LIGHTER / 12V SOCKET



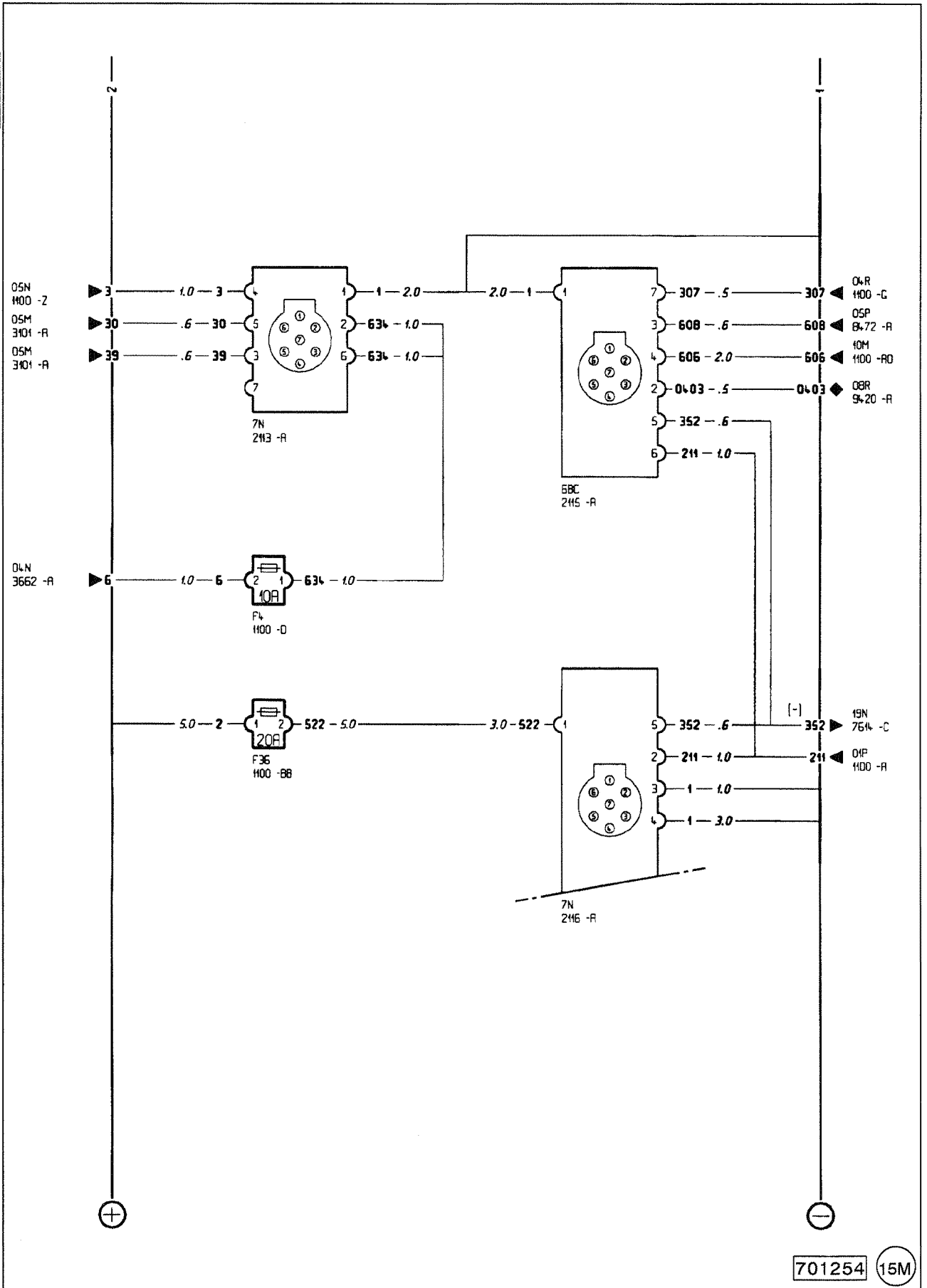
701254 (14N)

RADIO SET



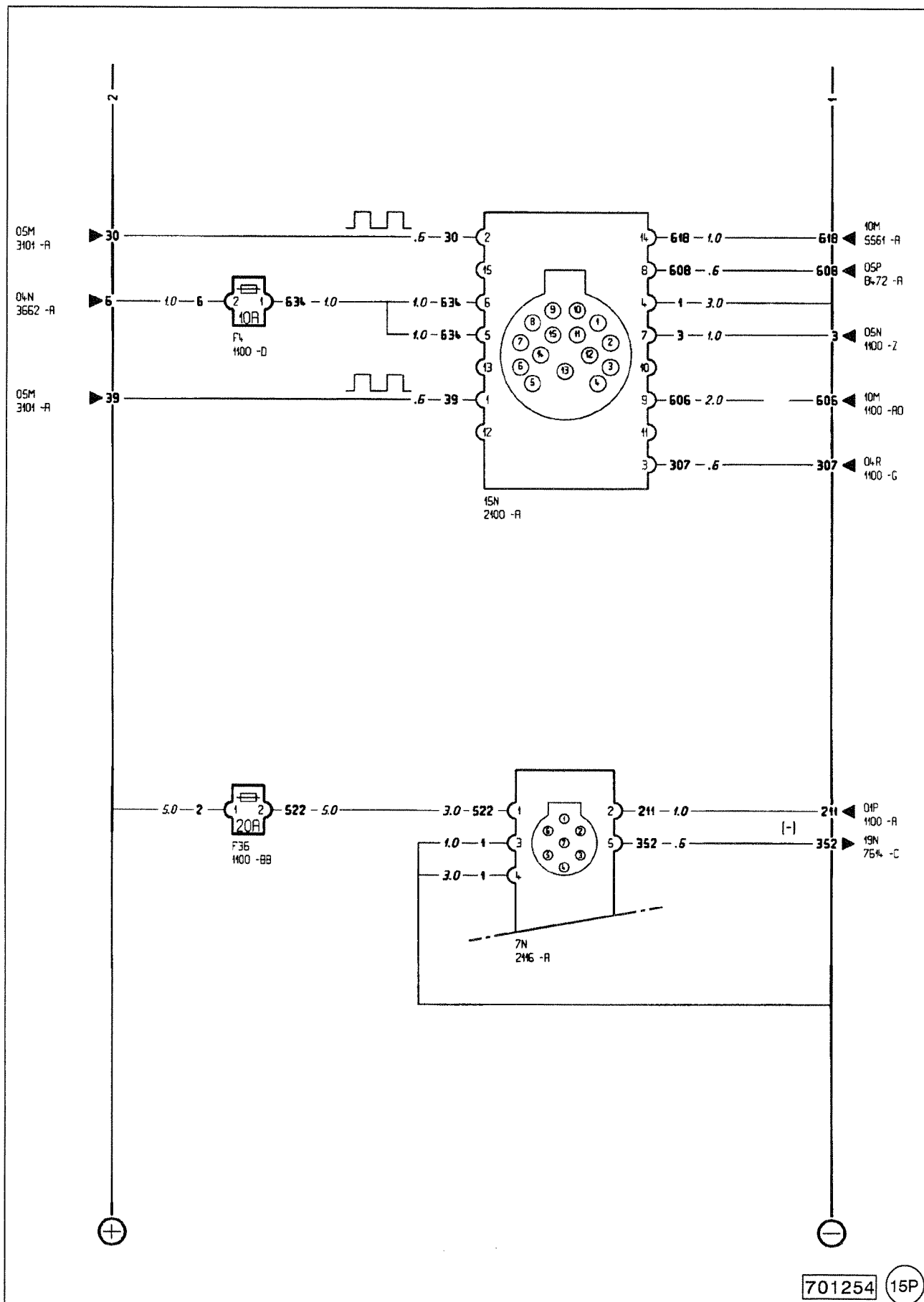


REFRIGERATOR / WINDSCREEN DEFROSTING / OFFICE SYSTEMS PACK

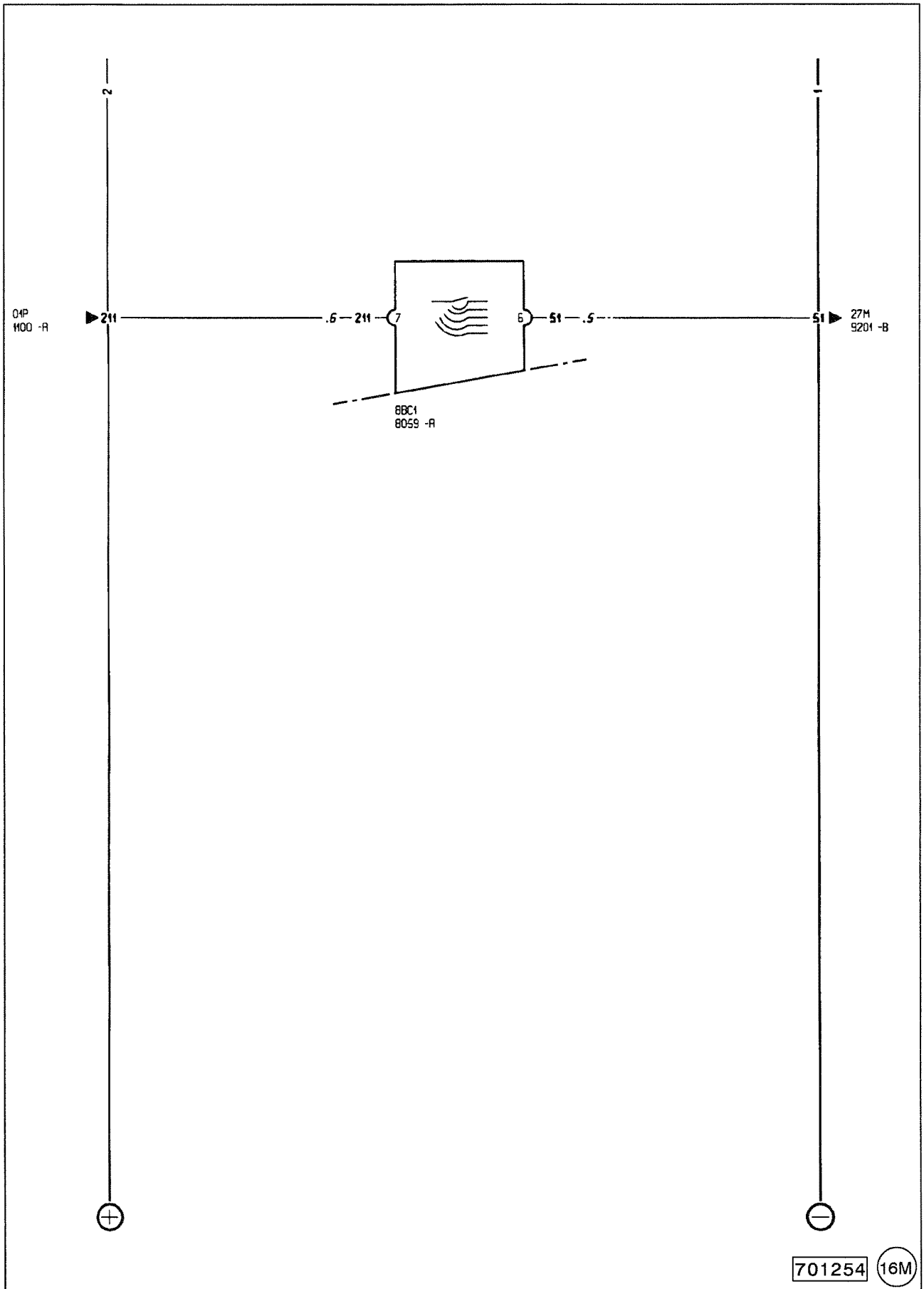


701254 (15M)

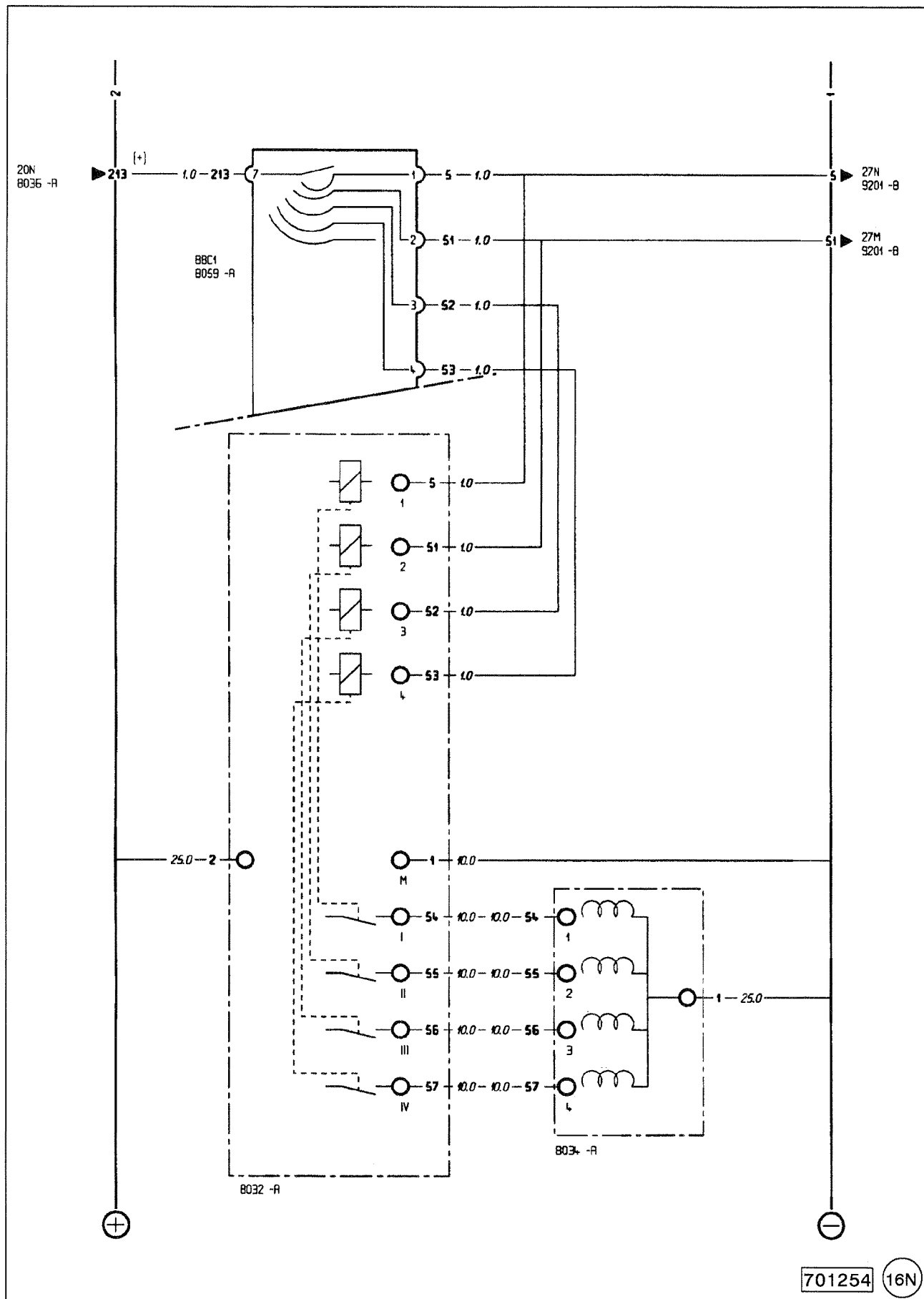
TRAILER SOCKETS



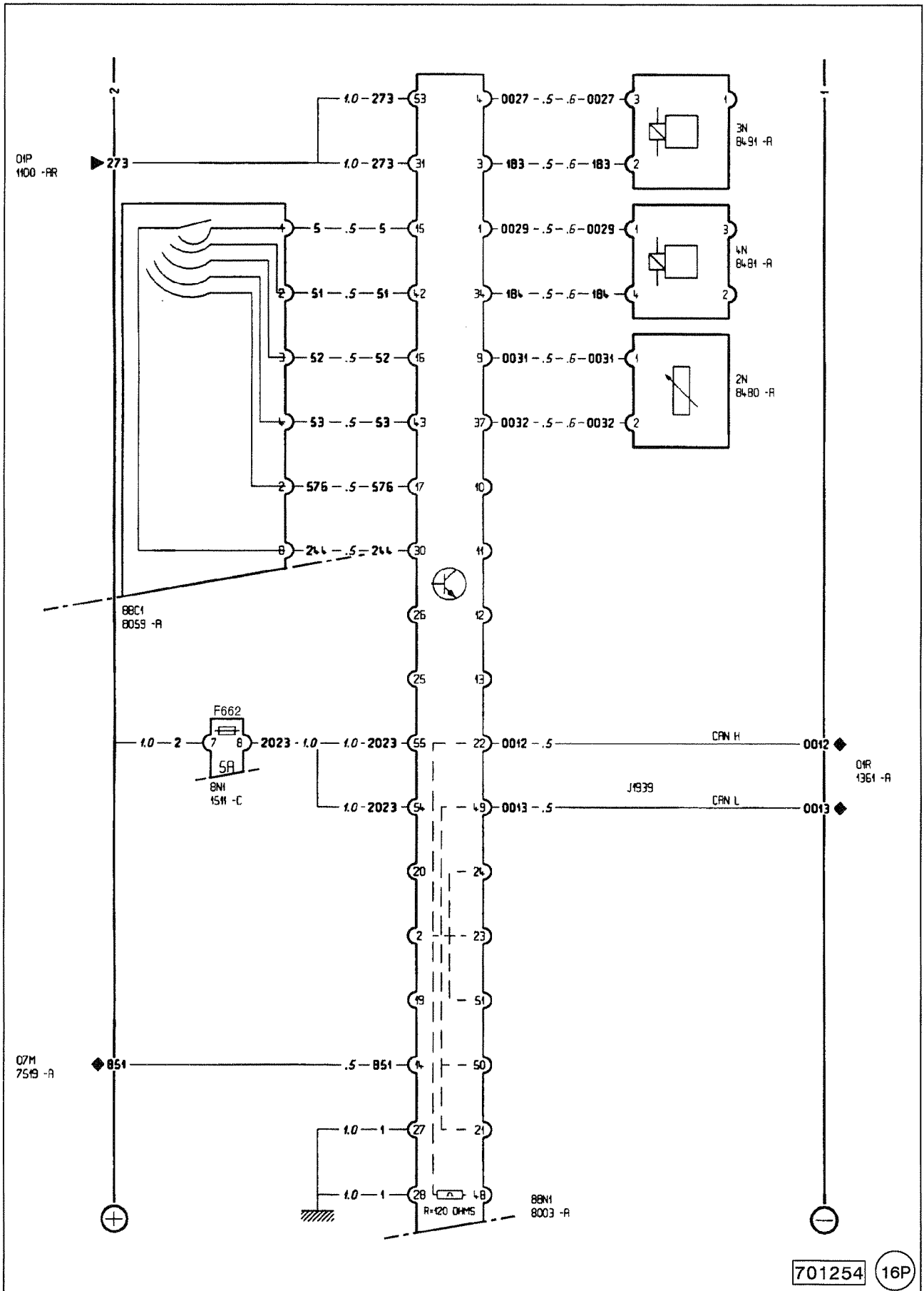
ADR TRAILER SOCKET



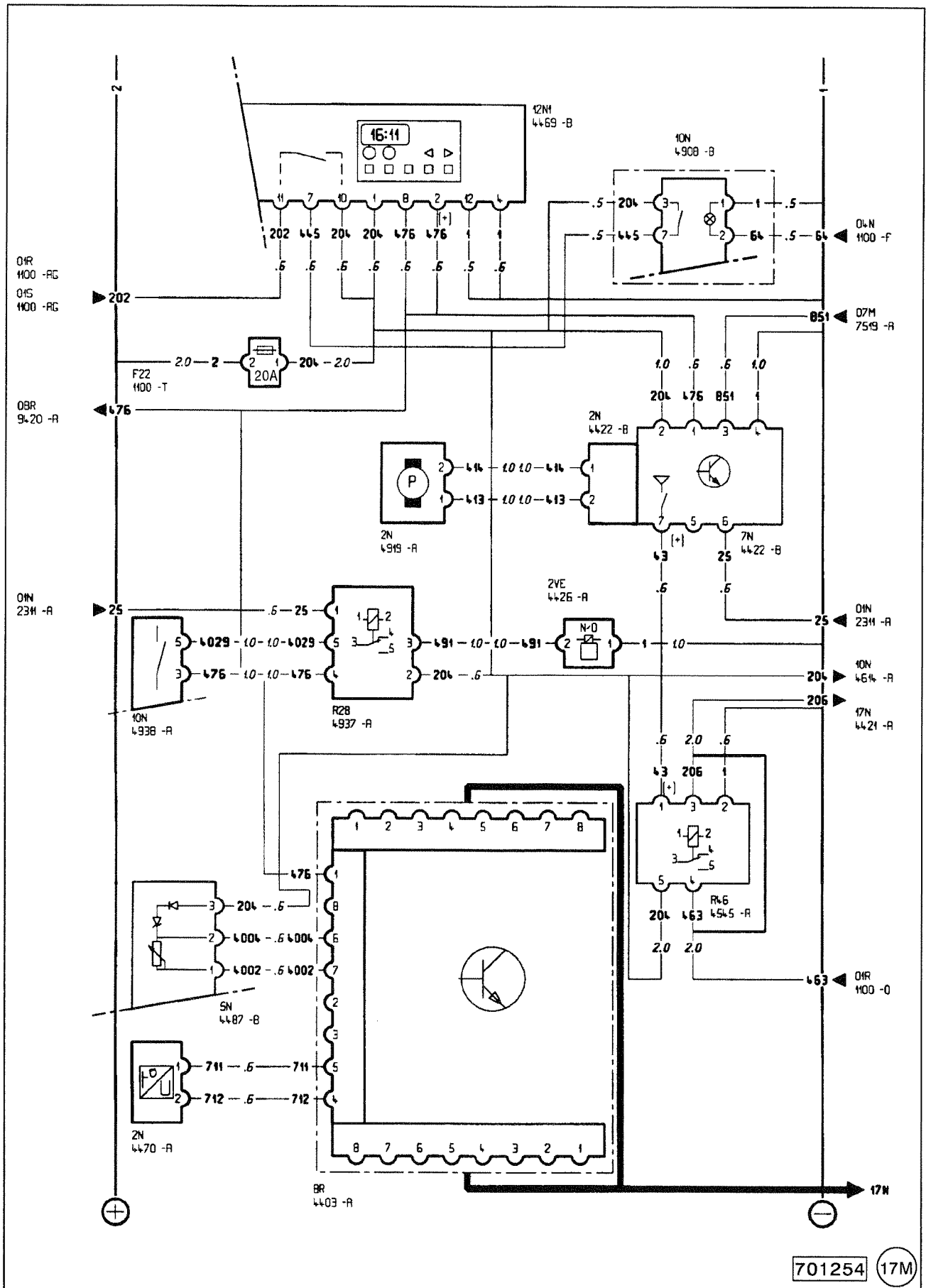
ENGINE BRAKE / EXHAUST BRAKE



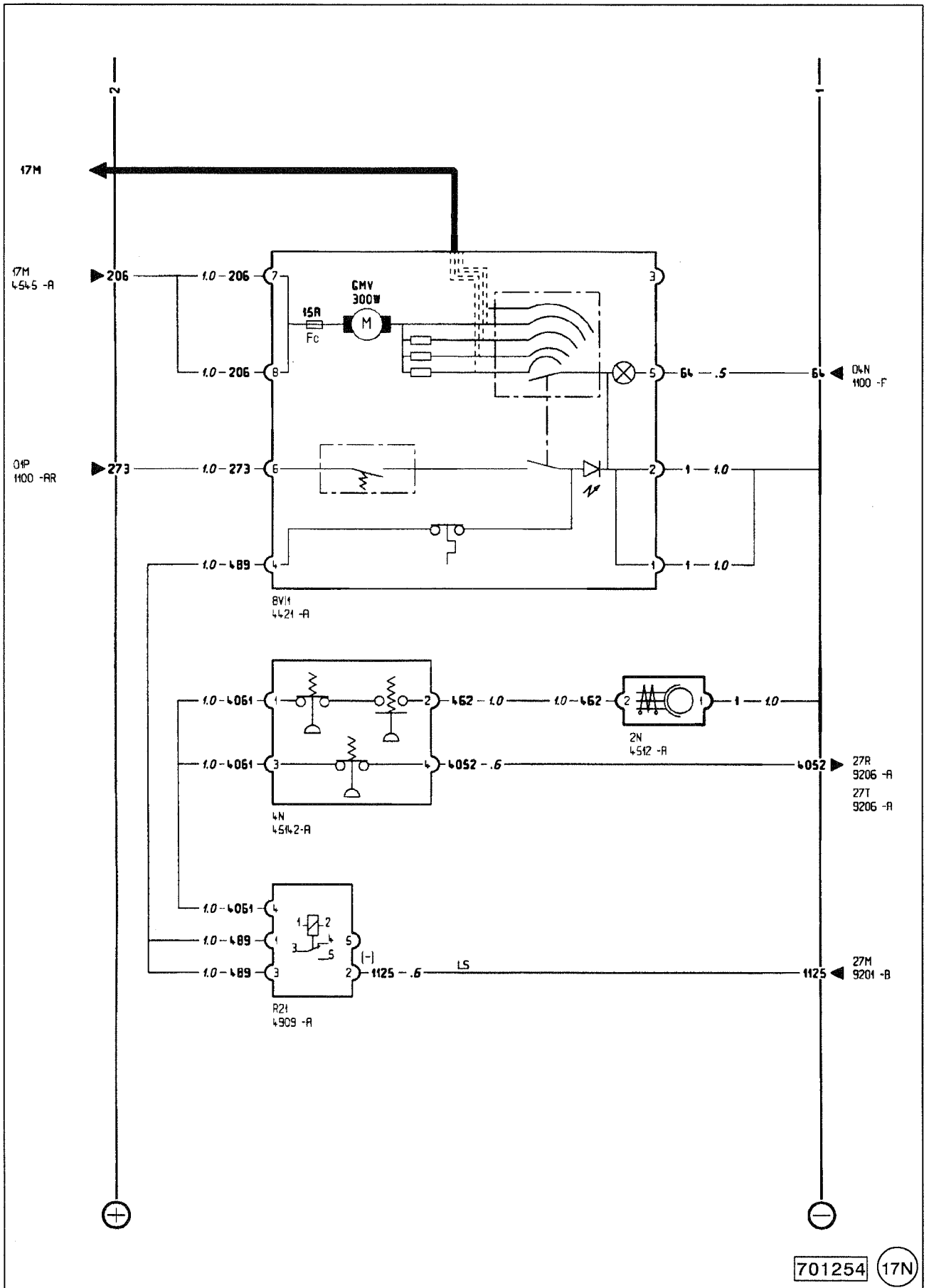
ELECTRIC RETARDER



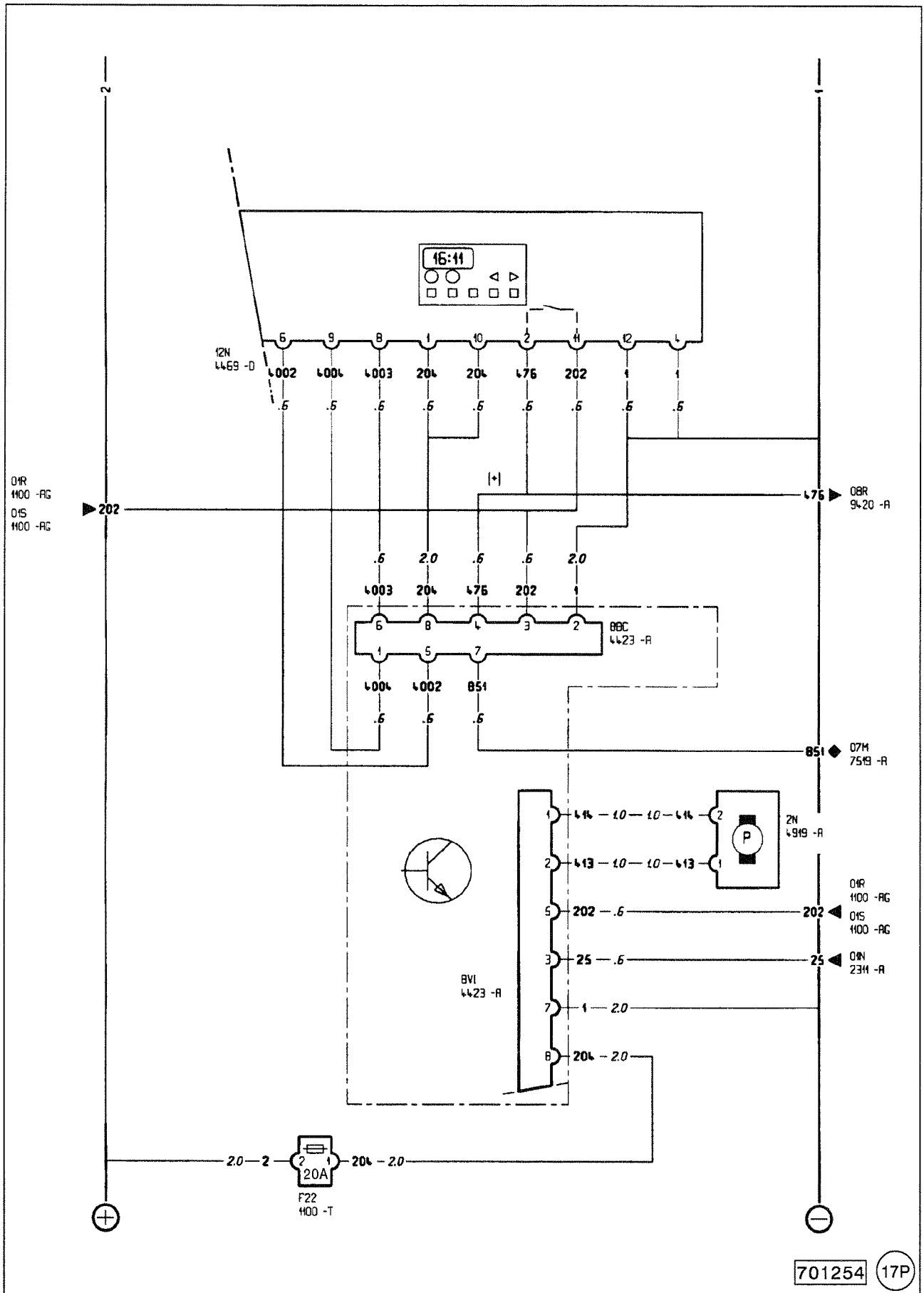
HYDRAULIC RETARDER



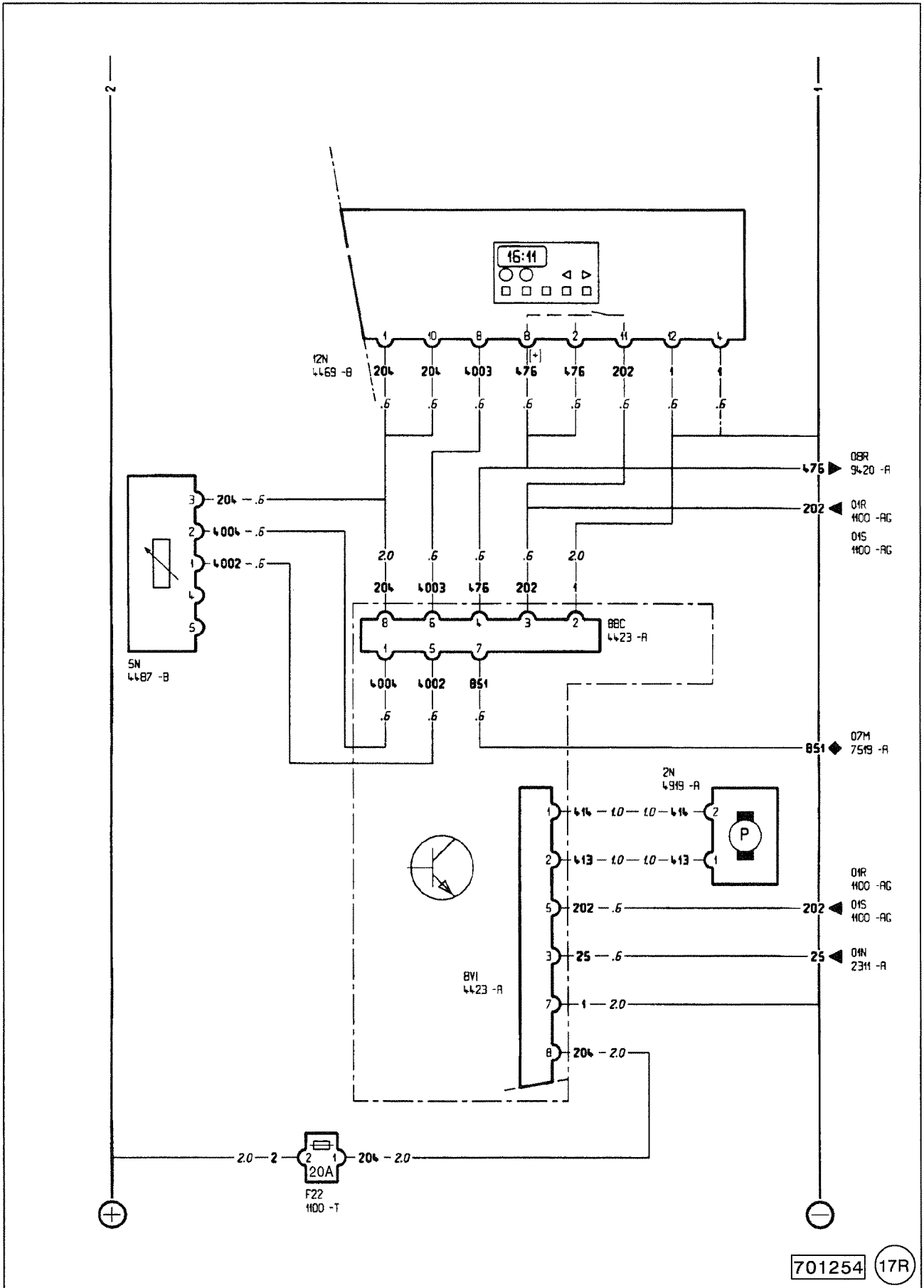
INDEPENDENT HEATING Thermo 90S



AIR CONDITIONING

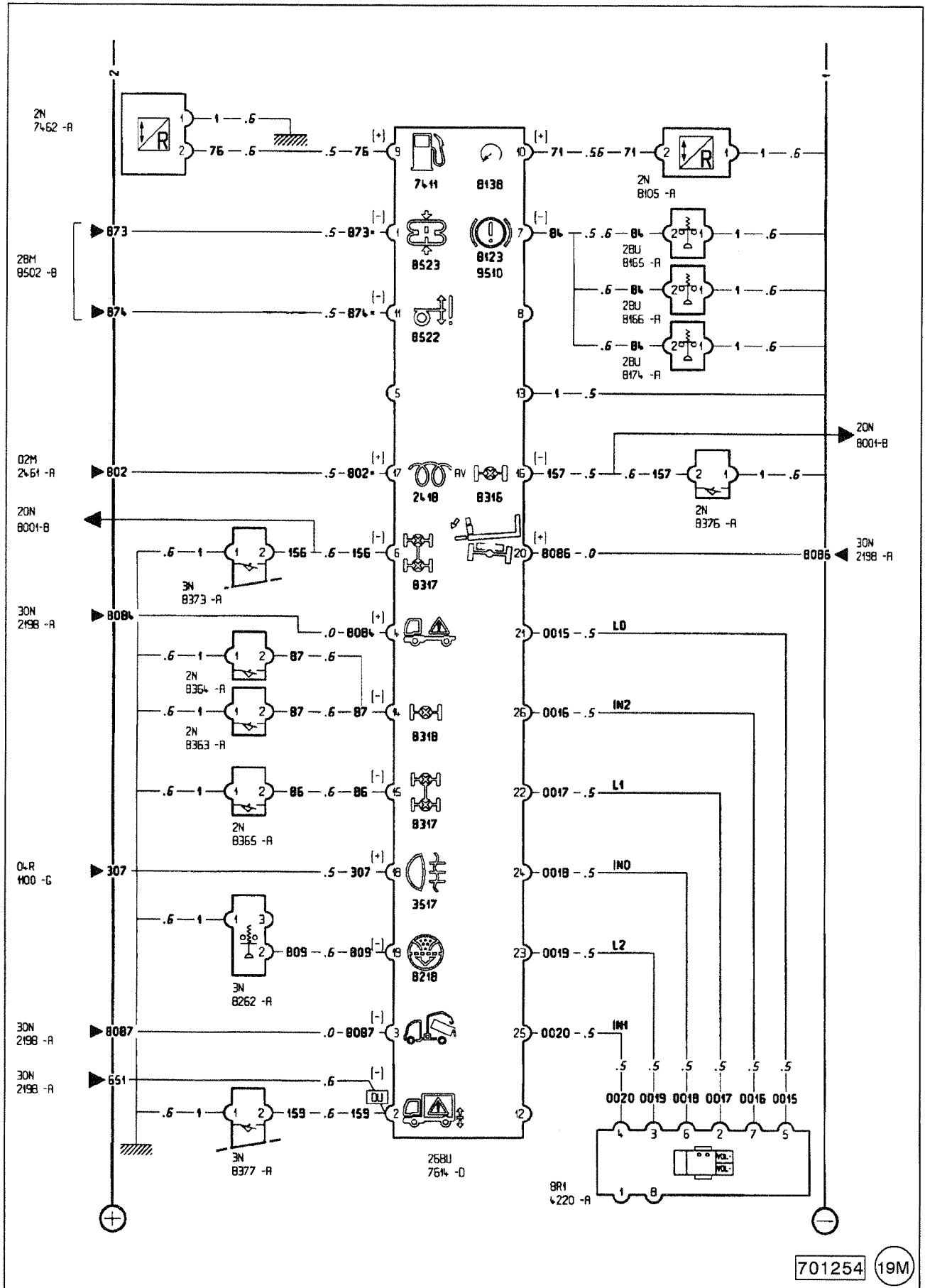


INDEPENDENT HEATING (cab 2 m)



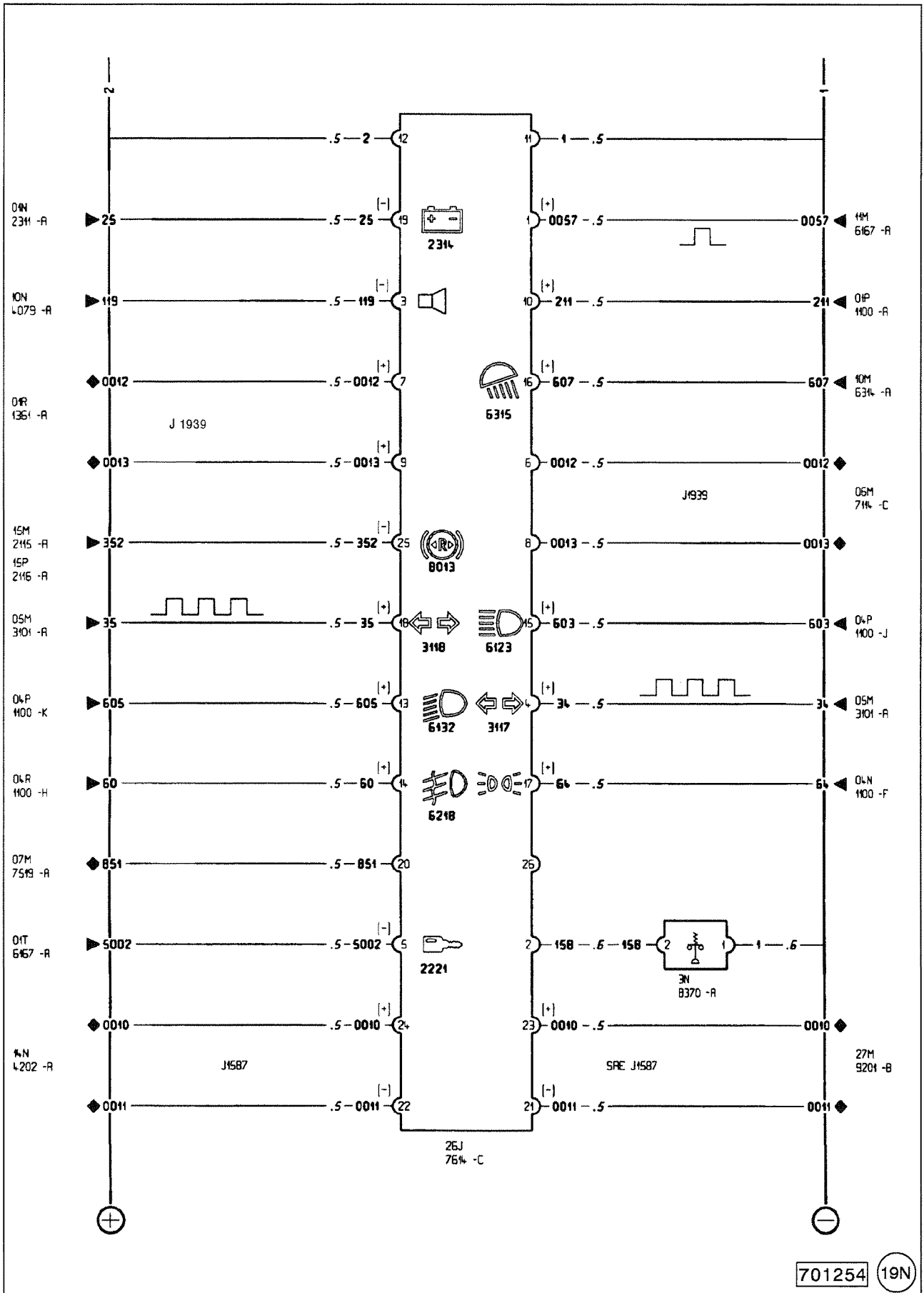
701254 17R

INDEPENDENT HEATING AT2000

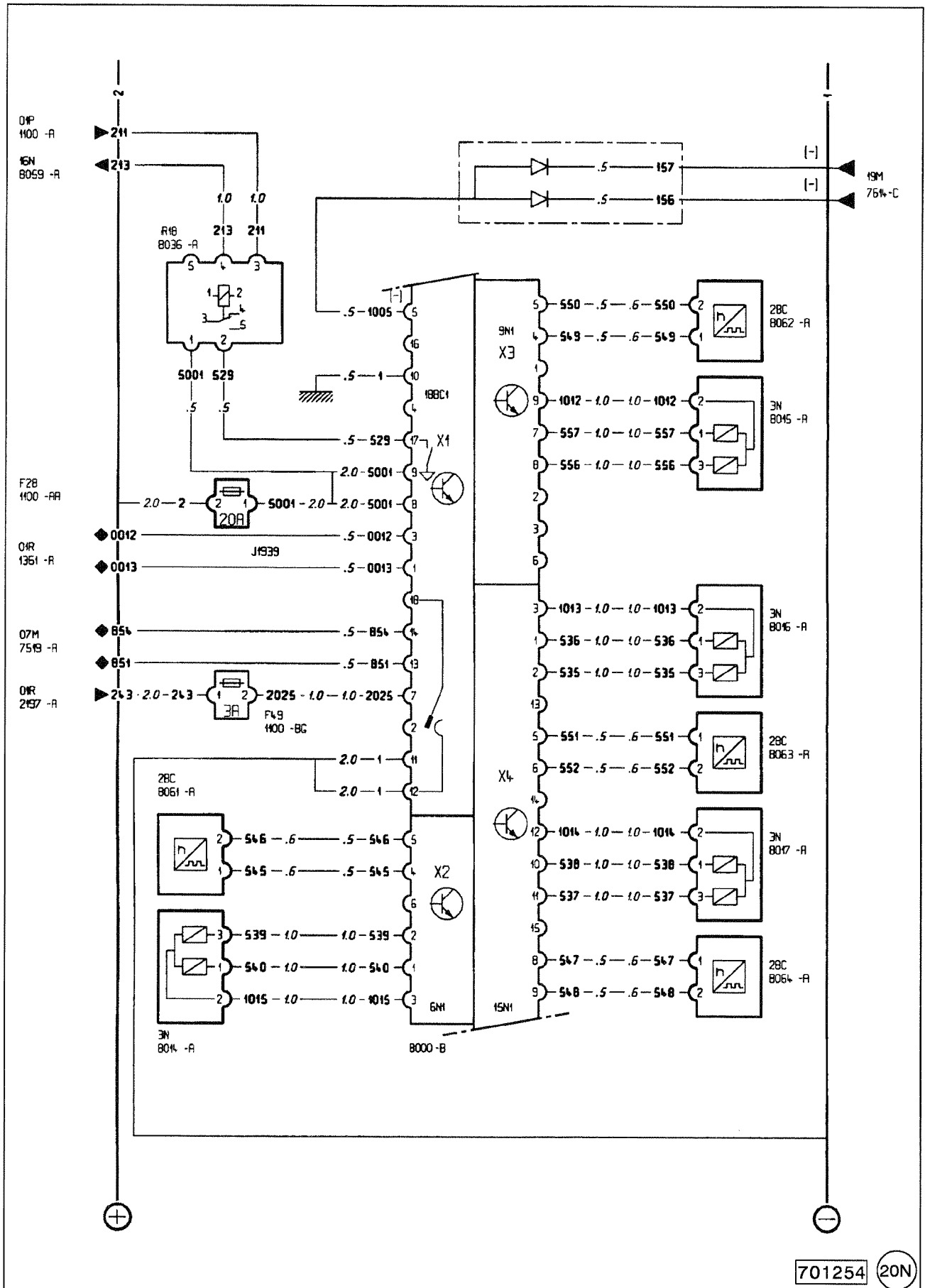


701254 (19M)

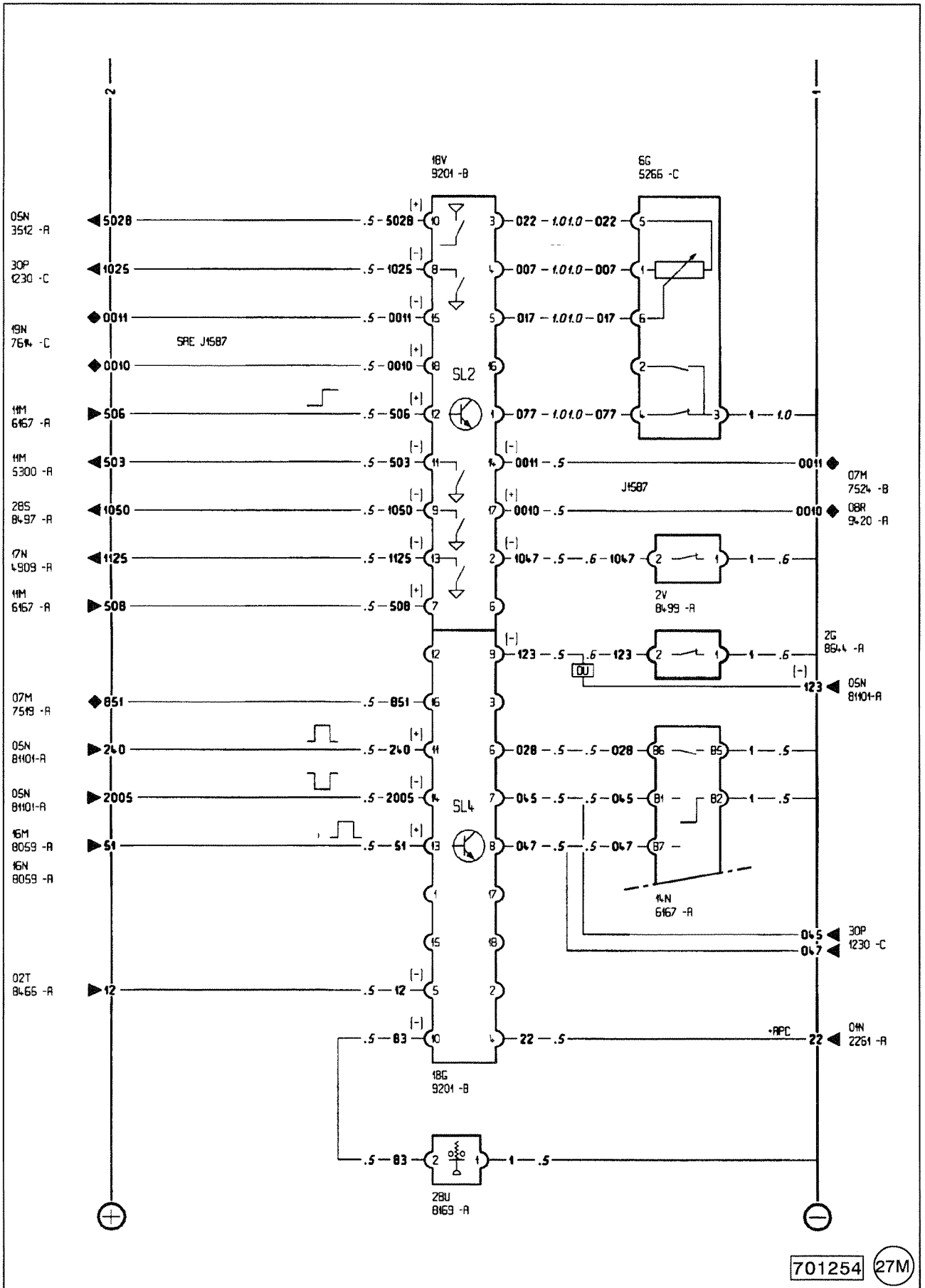
PRINCIPAL DISPLAY



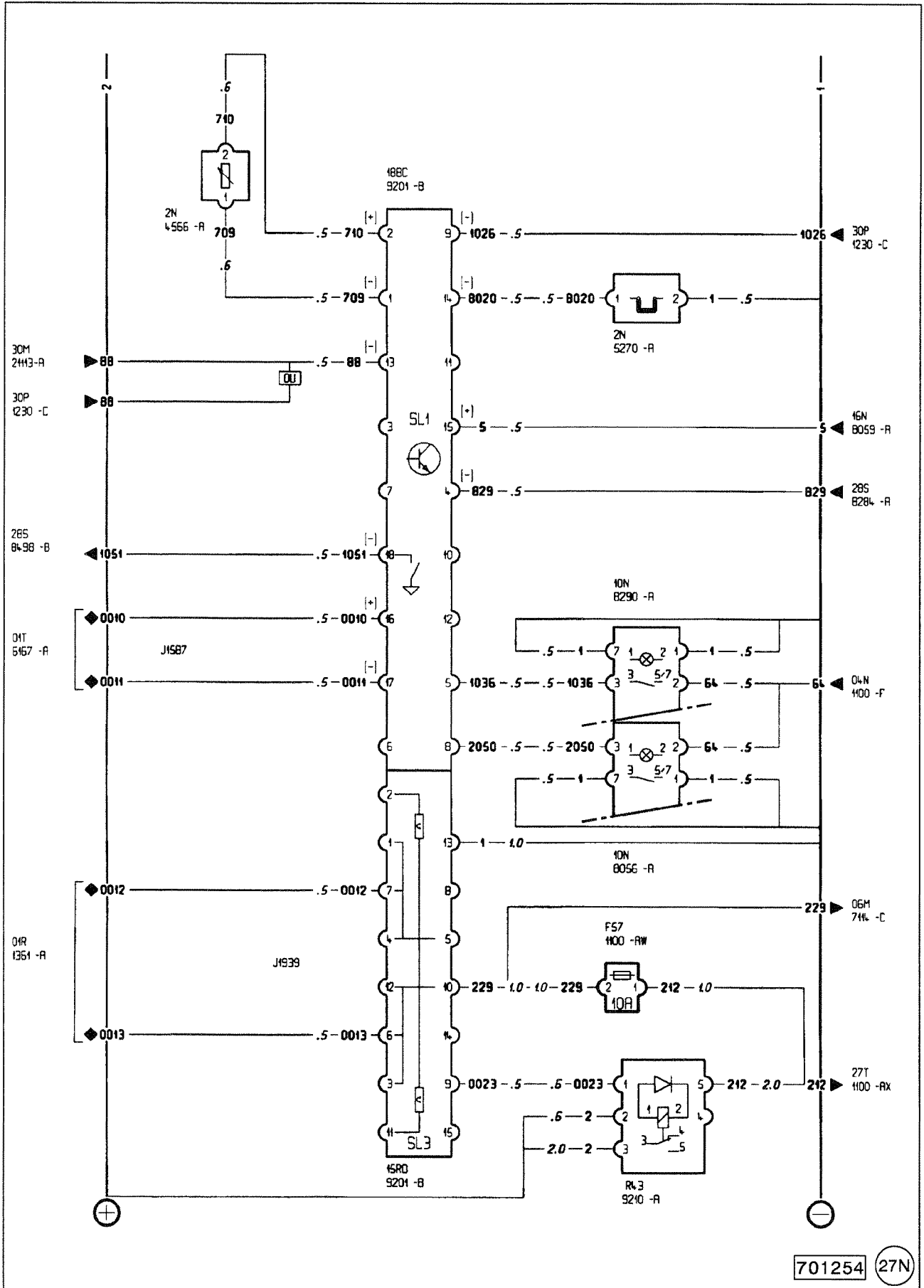
PRINCIPAL DISPLAY



ABS EQUIPMENT

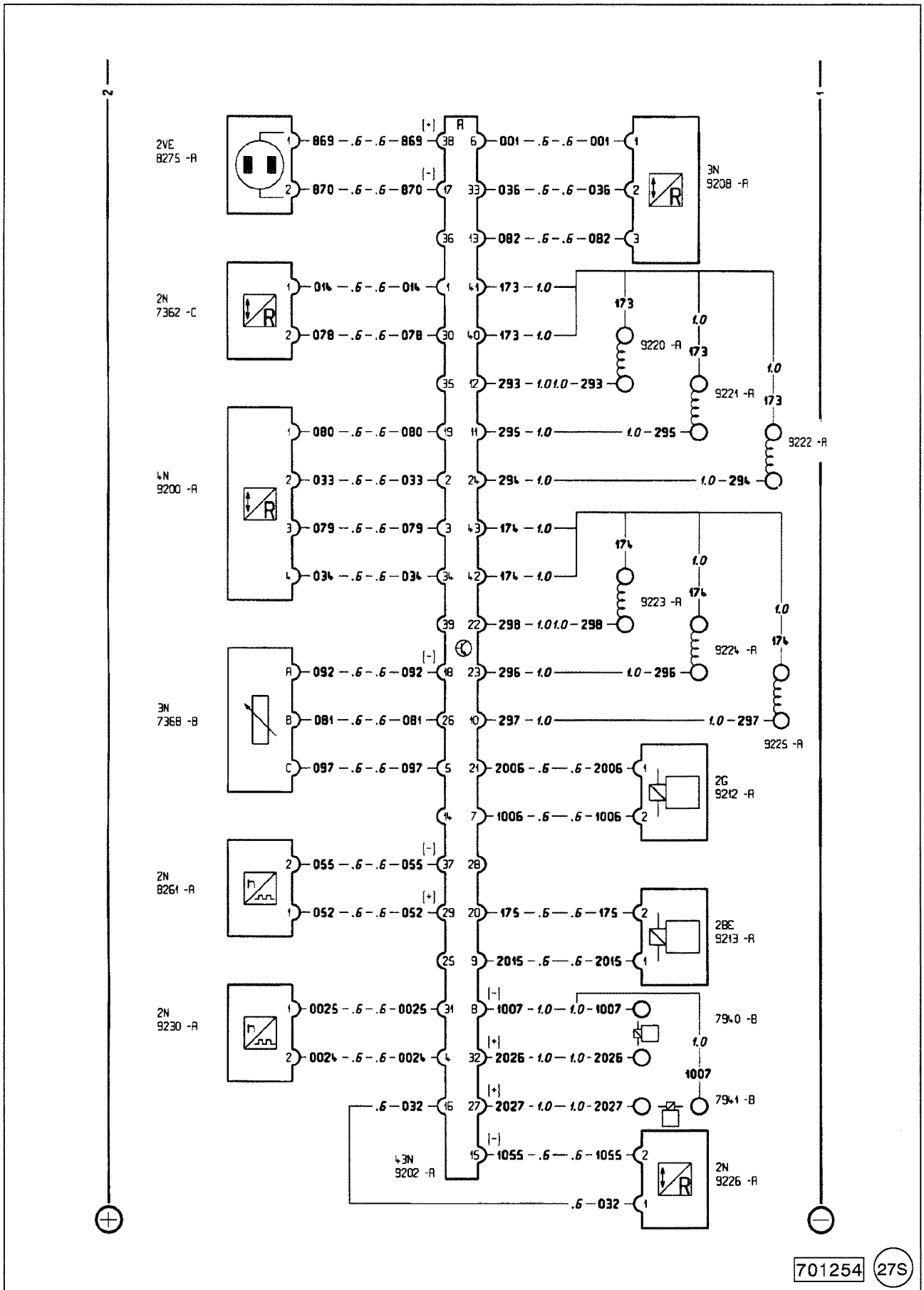


CAB INJECTION CONTROL



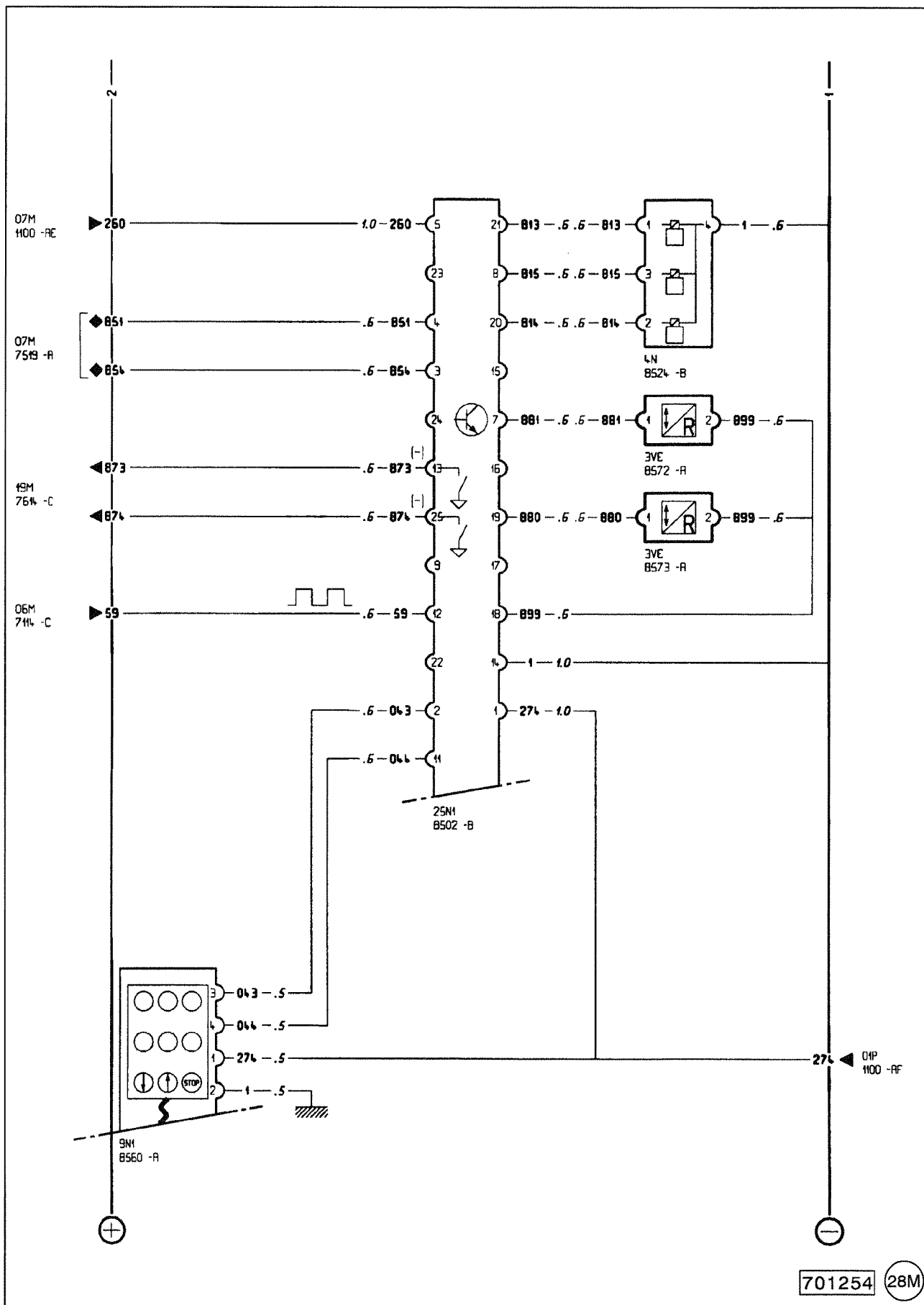
701254 (27N)

CAB INJECTION CONTROL

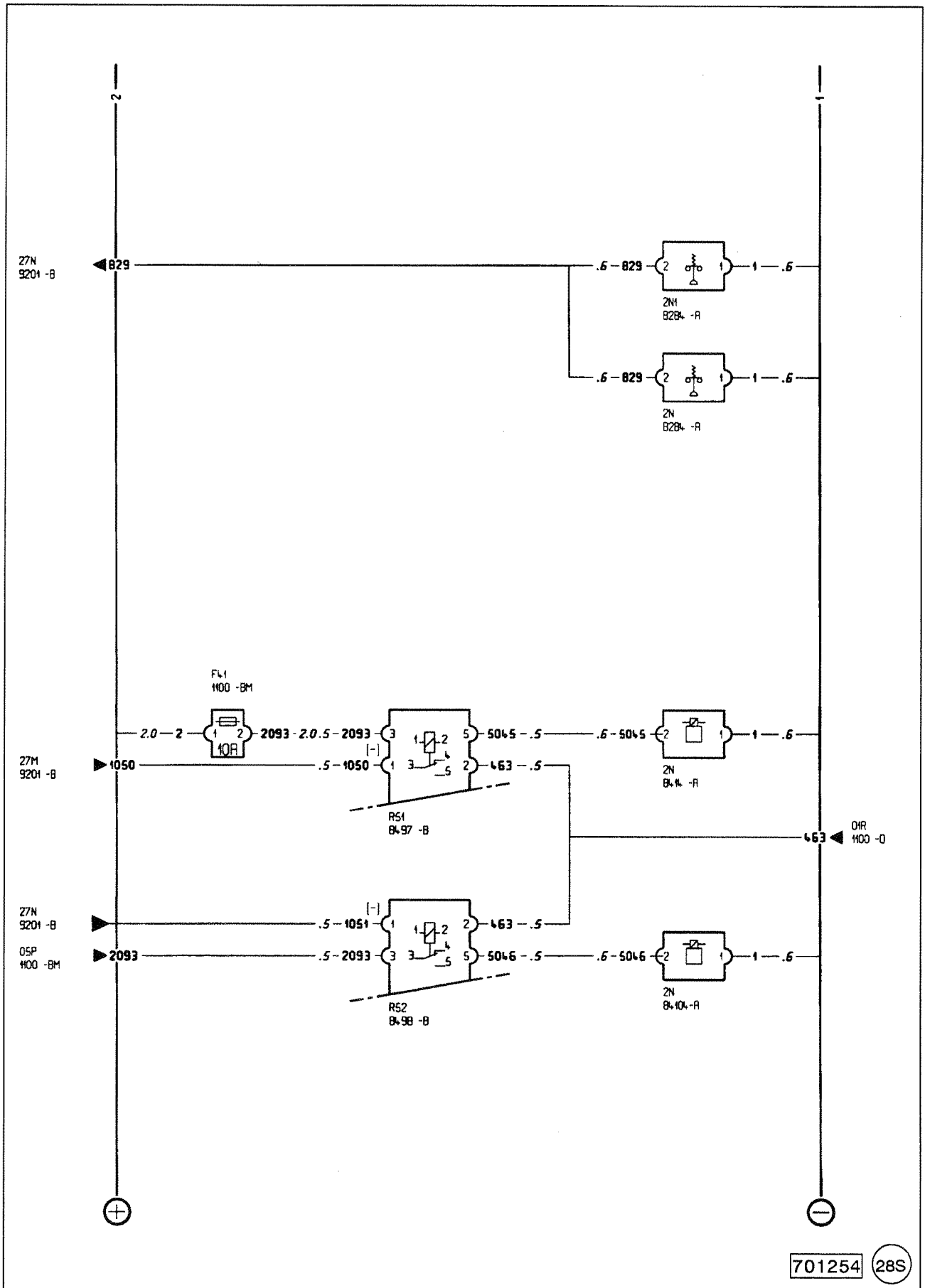


ENGINE MASTER ECU

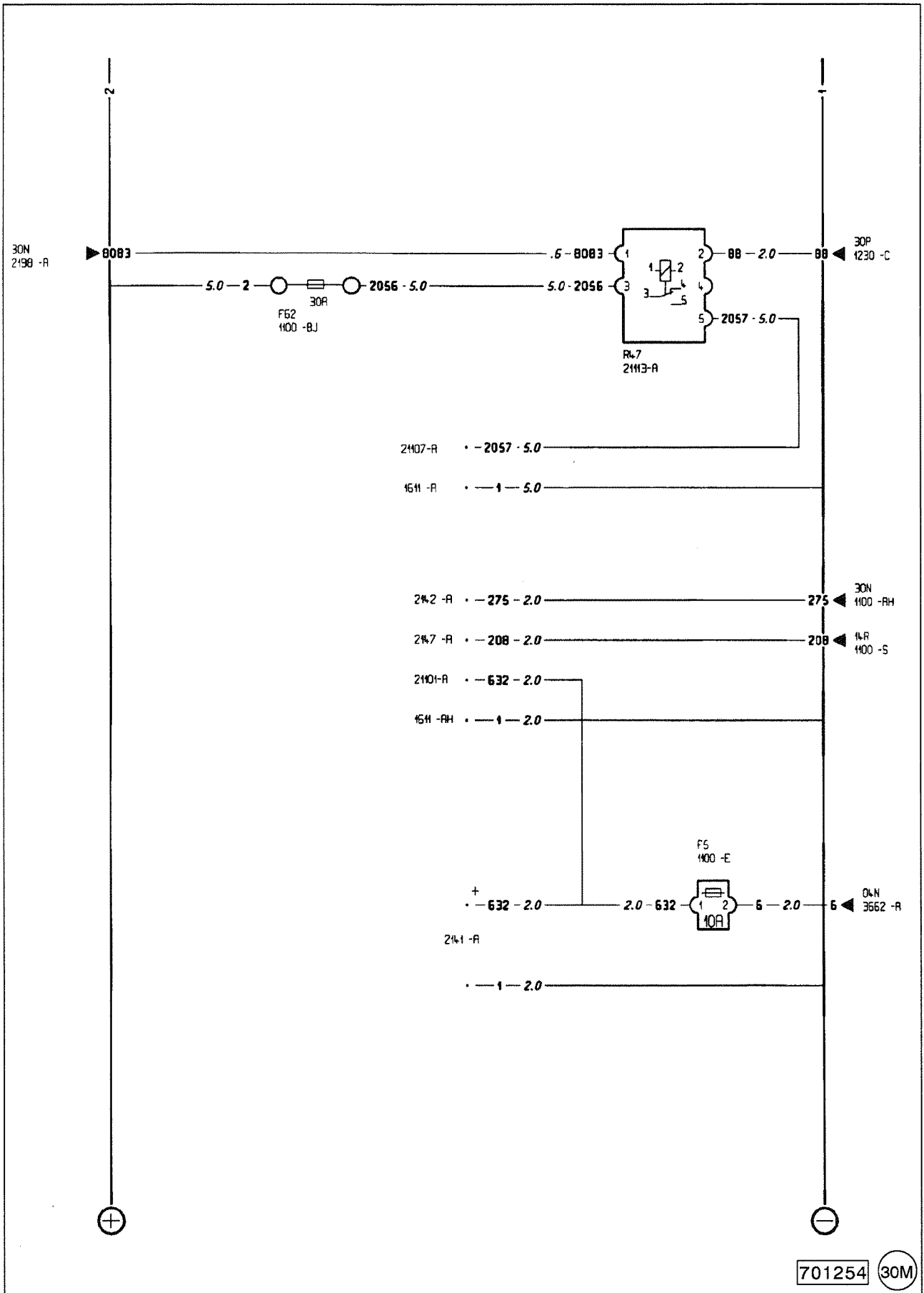
RENAULT V.I. 02 / 02



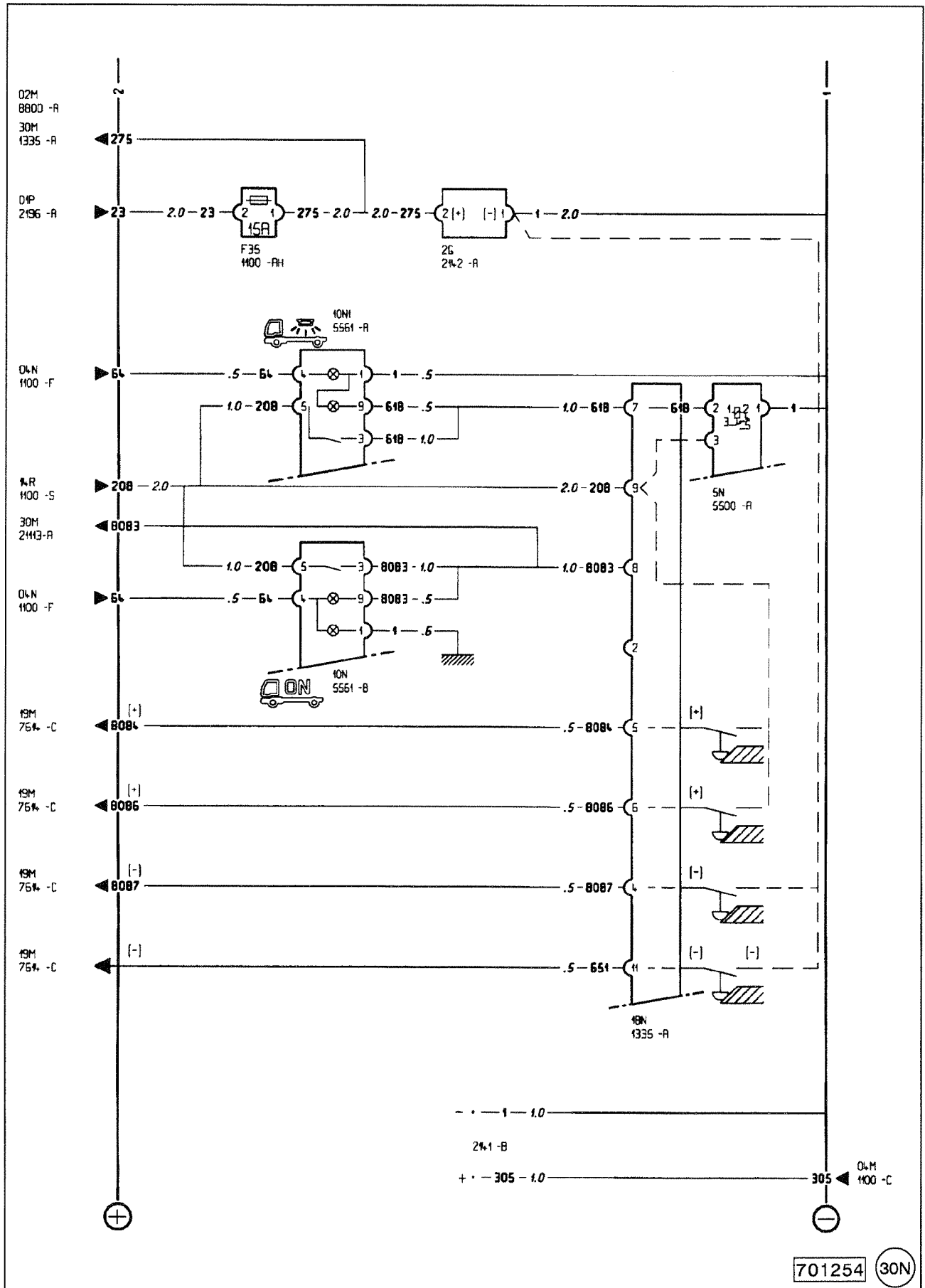
AIR SUSPENSION



SERVO STEERING / GEARBOX SAFETY

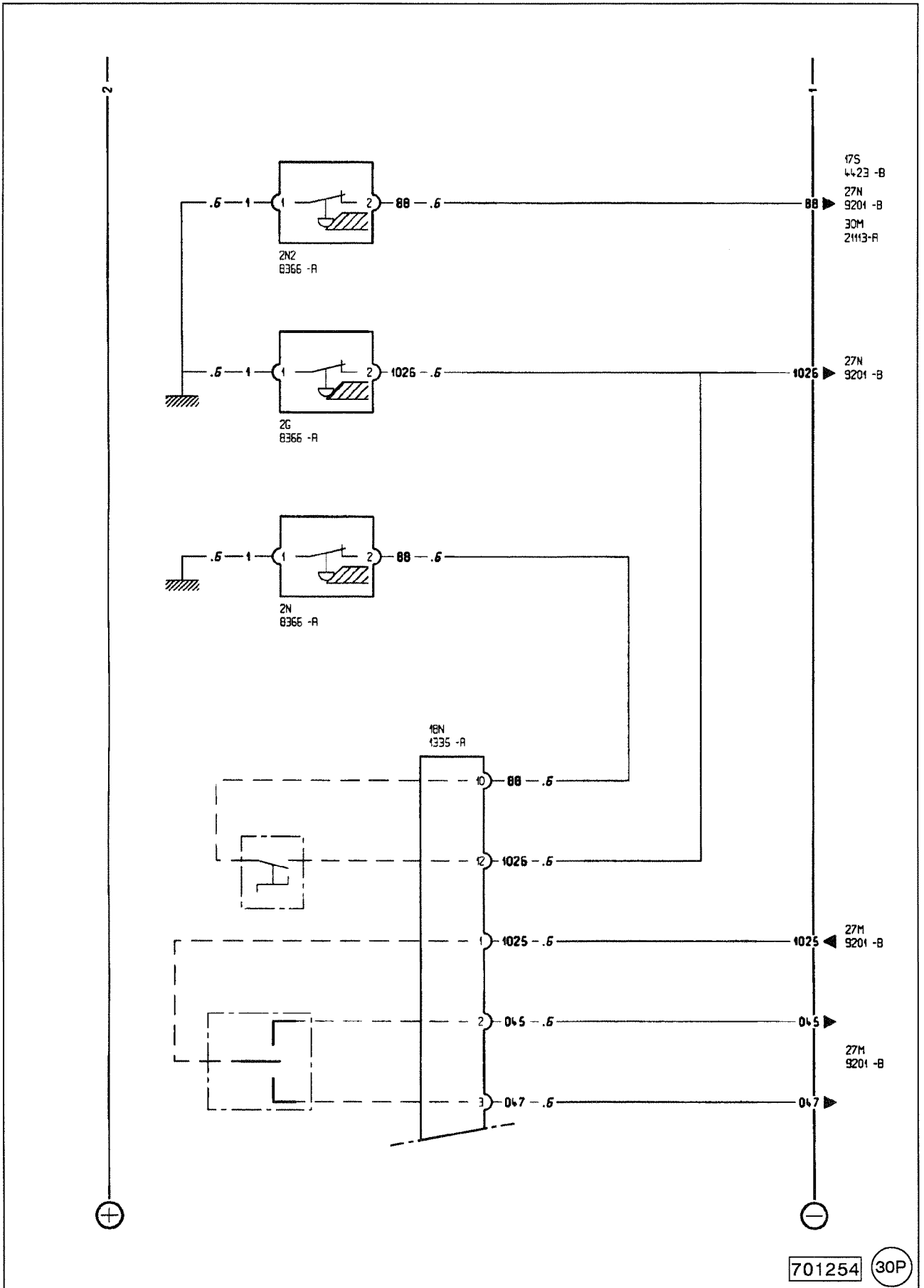


AVAILABLE POWER SUPPLIES



701254 (30N)

AVAILABLE POWER SUPPLIES



AVAILABLE POWER SUPPLIES

PINPOINTING OF ELECTRICAL APPLIANCES

Fuel-injection electronic management

Electronic theft protection system

Hydraulic retarder

Hydraulic retarder "4x2 – 6x4"

Hydraulic retarder "8x4"

Electronic air suspension 4x2 tractor"

"ABS" equipment "4x2 – 4x4 – 6x4 – 6x6 – 8x4"

"ABS" equipment "4x2 – 4x4"

"ABS" equipment "6x4 – 6x6"

"ABS" equipment "8x4"

Independent heater "AT2000"

Independent heater "Thermo 90S"

Alarm

ADR equipment

Trailer sockets

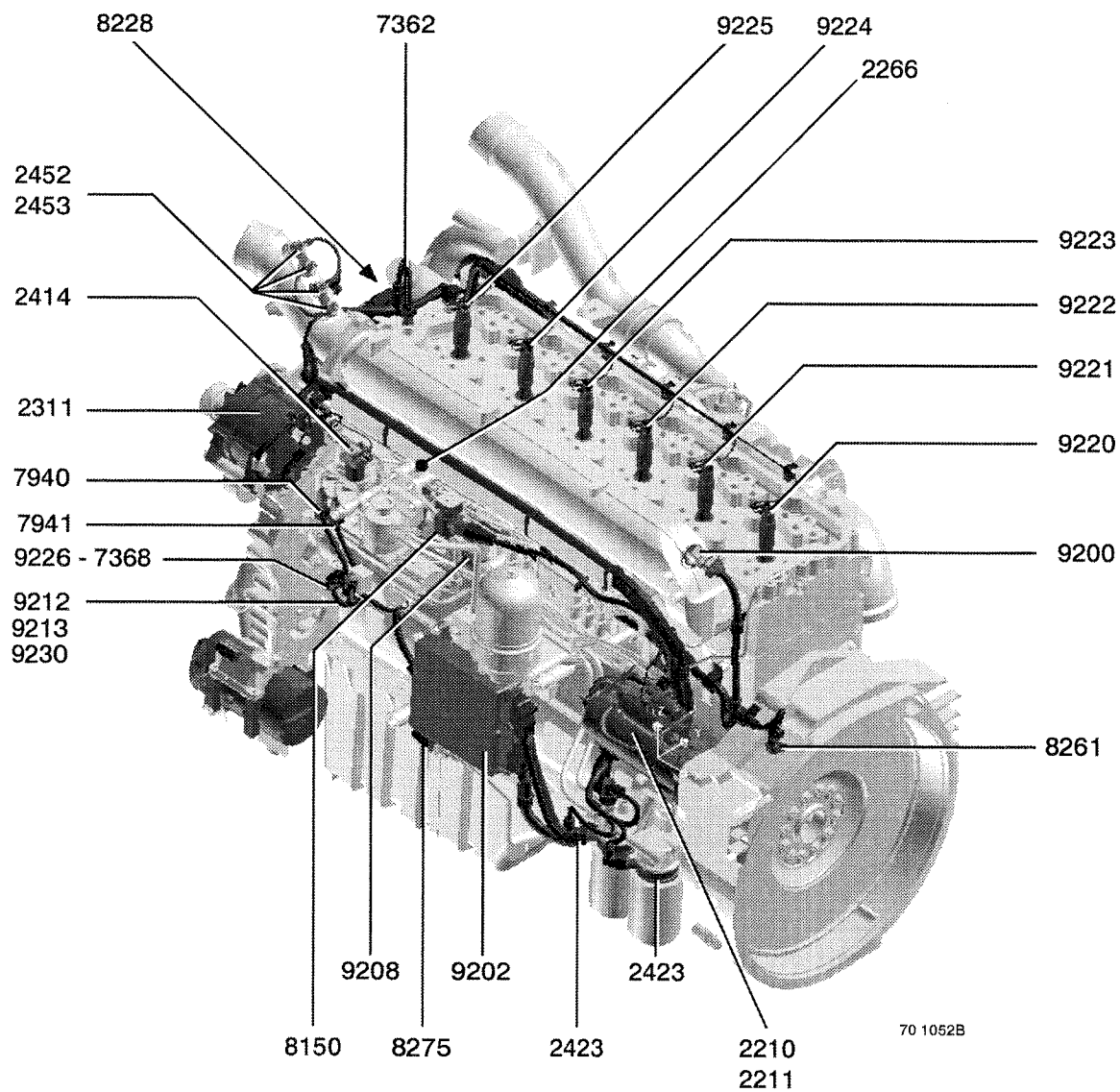
Voltage dropper

Connection unit

Relays away from connection unit

Fuses away from connection unit

Diodes away from connection unit



Fuel-injection electronic management

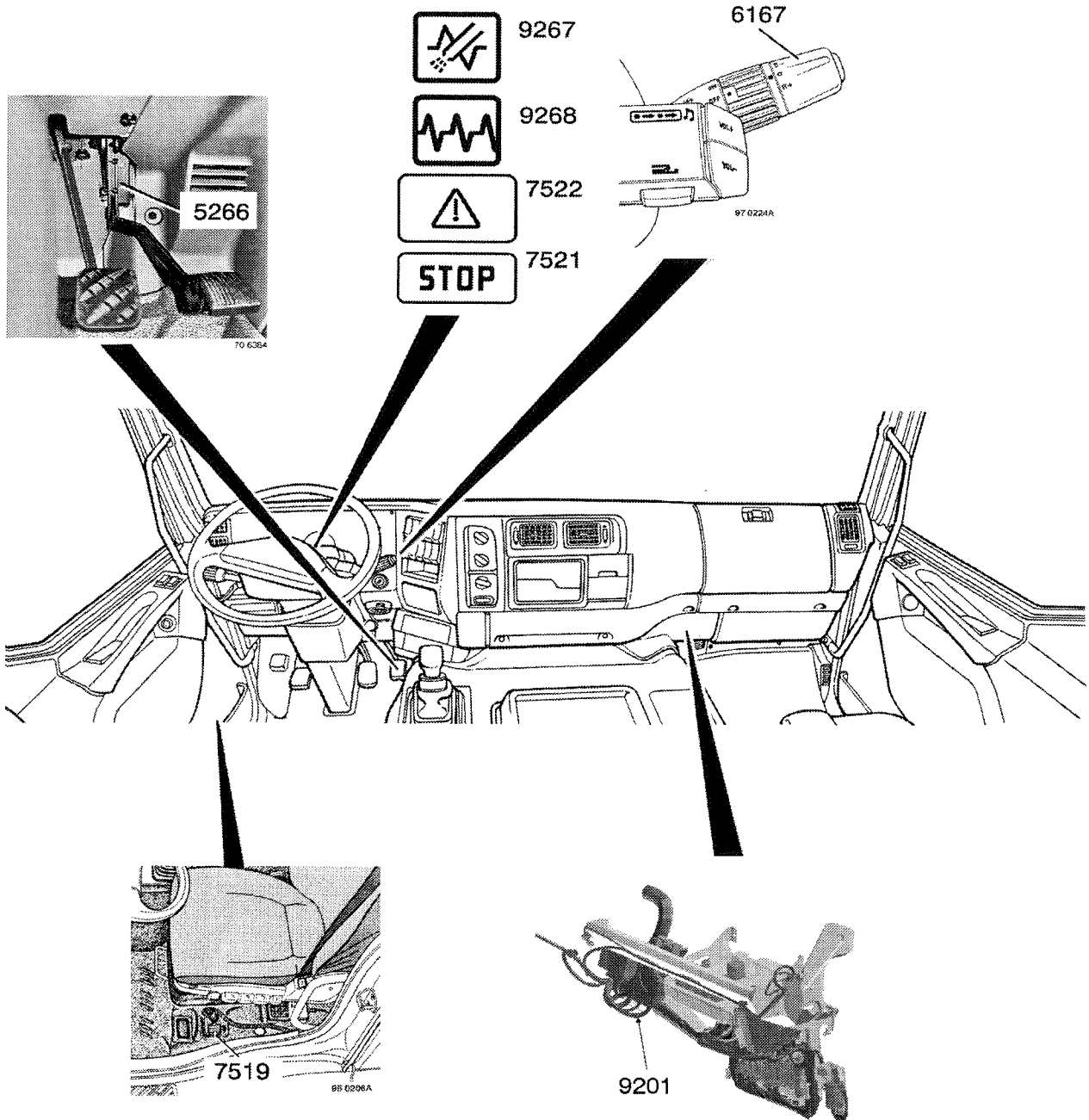
Layout of appliances on engine "MIDR 06.20.45 – DCI 11"

Appliance	Plate
2266 – Engine stop control (cab tilted)	27T
7362 – Coolant temperature sensor	27S
7368 – Oil pressure sensor	27S/T
7940 – Jake brake solenoid valve N° 1	27S
7941 – Jake brake solenoid valve N° 2	27S
8150 – Exhaust brake electrovalve	27T
8228 – Declutching fan	27T
8261 – Engine speed sensor	27S
8275 – Engine oil level sensor	27S
9200 – Boost air pressure and temperature sensor	27S
9202 – "EUP" engine master ECU (EECU)	27S/T
9208 – Fuel high pressure sensor	27S
9212 – Fuel flow regulation solenoid valve "2"	27S
9213 – Fuel flow regulation solenoid valve "1"	27S
9220 – Unit pump N° 1 incorporating solenoid valve	27S
9221 – Unit pump N° 2 incorporating solenoid valve	27S
9222 – Unit pump N° 3 incorporating solenoid valve	27S
9223 – Unit pump N° 4 incorporating solenoid valve	27S
9224 – Unit pump N° 5 incorporating solenoid valve	27S
9225 – Unit pump N° 6 incorporating solenoid valve	27S
9226 – Engine oil temperature sensor	27S
9230 – Camshaft speed sensor	27S

Electrical equipment on engine

Layout of appliances on engine "MIDR 06.20.45 – DCI 11"

Appliance	Plate
2210 – Starter with integrated relay	02T
2211 – Starter	02S
2311 – Alternator	01M/N
2414 – Preheating relay	02N
2423 – Fuel preheater	02N
2452 – Preheating resistor N° 1	02M
2453 – Preheating resistor N° 2	02M

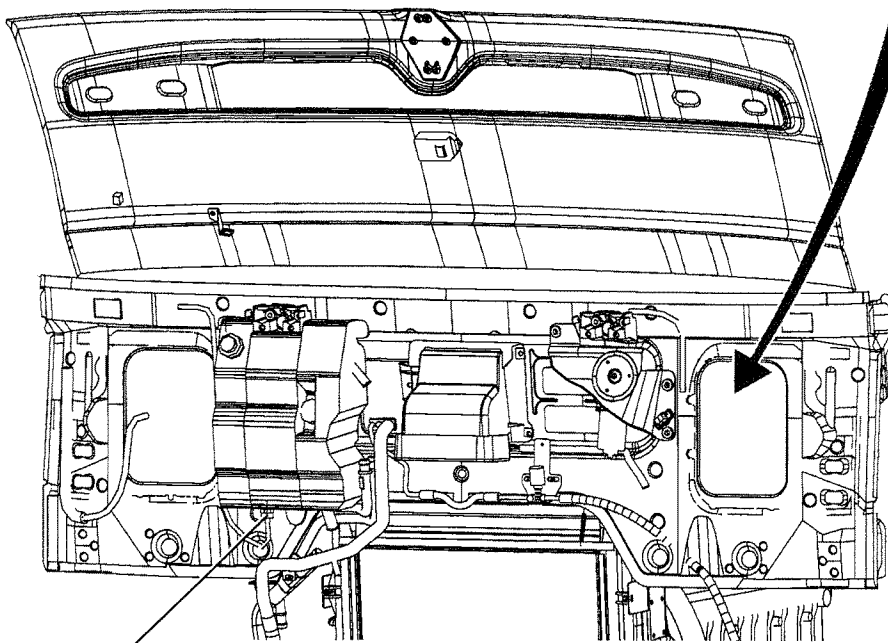
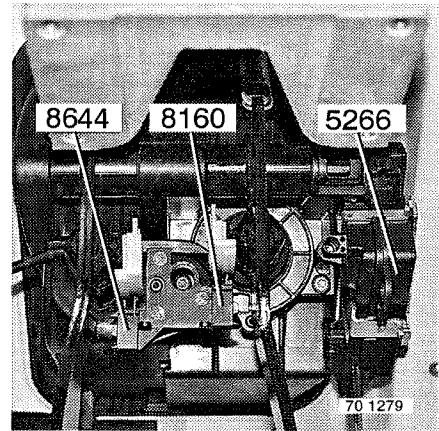


70 6383

Fuel-injection electronic management

Layout of appliances in cab

Appliance	Plate
5266 – Accelerator pedal position sensor	27M
6167 – Steering column fingertip controls (lights, signalling, windscreen wiper transponder, cruise control)	01T//04M/P/R//05M//11M//27M
7519 – Diagnostics socket	07M
7521 – Immediate stop “DANGER” warning lamp	–
7522 – “SERVICE” warning lamp	–
9201 – Vehicle master ECU (VECU)	27M/N
9267 – Vehicle major electronic defect warning lamp	–
9268 – Vehicle minor electronic defect warning lamp	–



8272

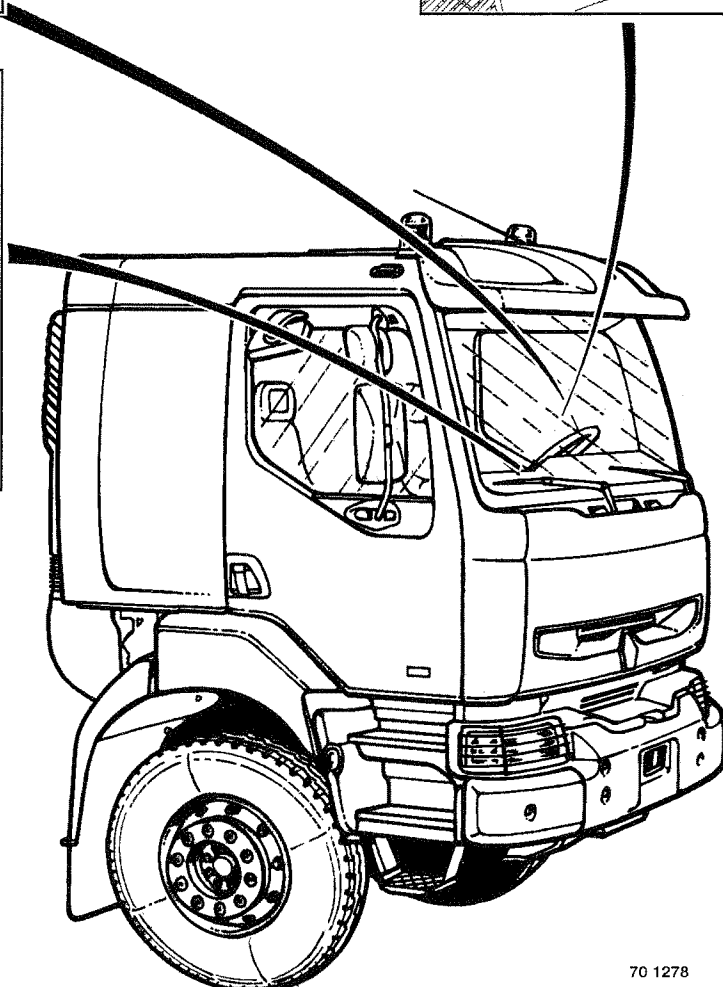
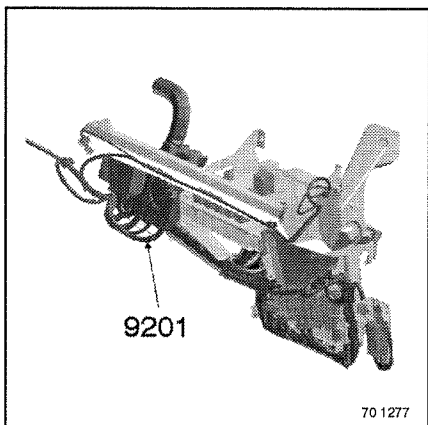
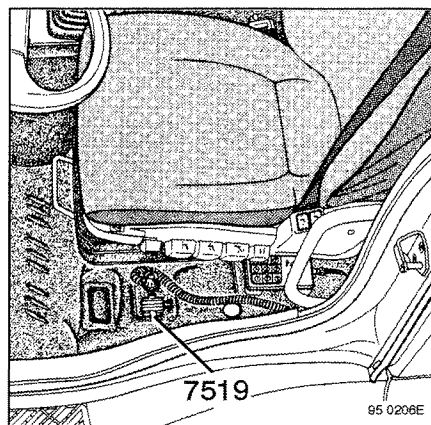
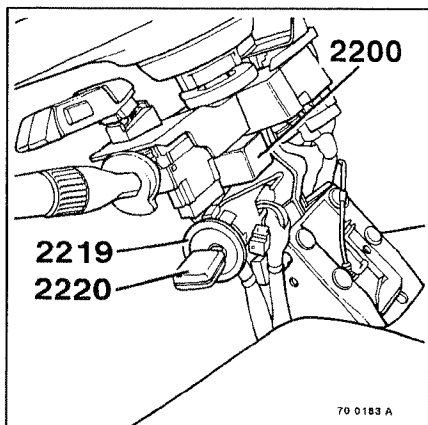
70 1280

Fuel-injection electronic management

Appliance

Plate

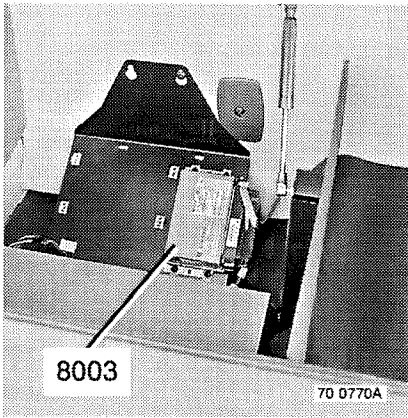
8160 – Stop lights switch	–
8272 – Water level sensor	27T
8644 – Clutch switch	–
5266 – Accelerator pedal position sensor	27M



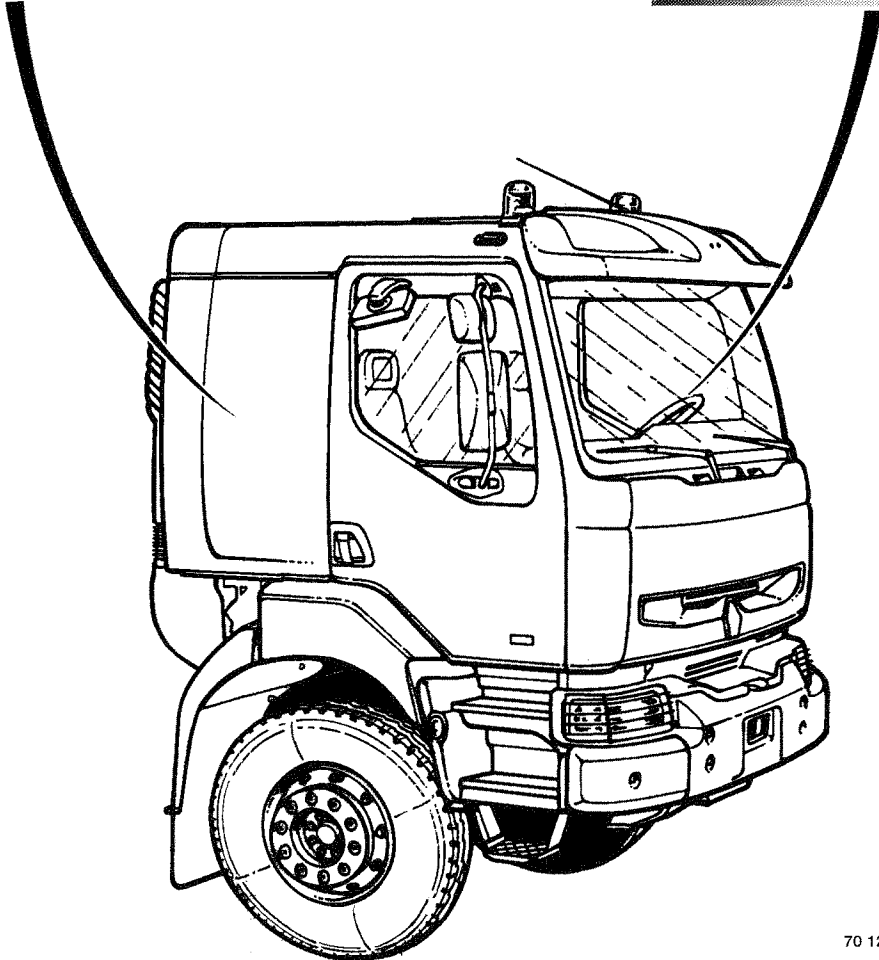
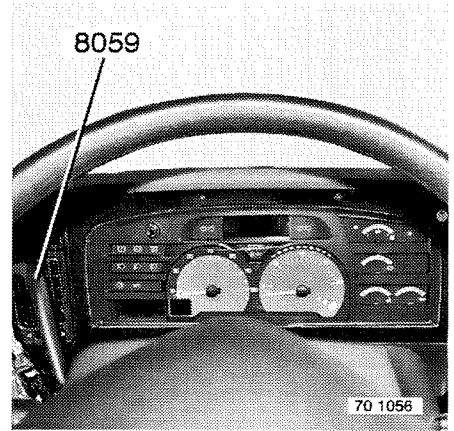
Electronic theft protection system

Layout of appliances in cab

Appliance	Plate
2200 – Anti-theft electronic box	01T
2219 – Transponder antenna	01T
2220 – Transponder ignition key	01T
2221 – Electronic anti-theft “Information” warning lamp	19N
7519 – Diagnostics socket	07M
9201 – Vehicle master ECU (VECU)	27M/N



8035

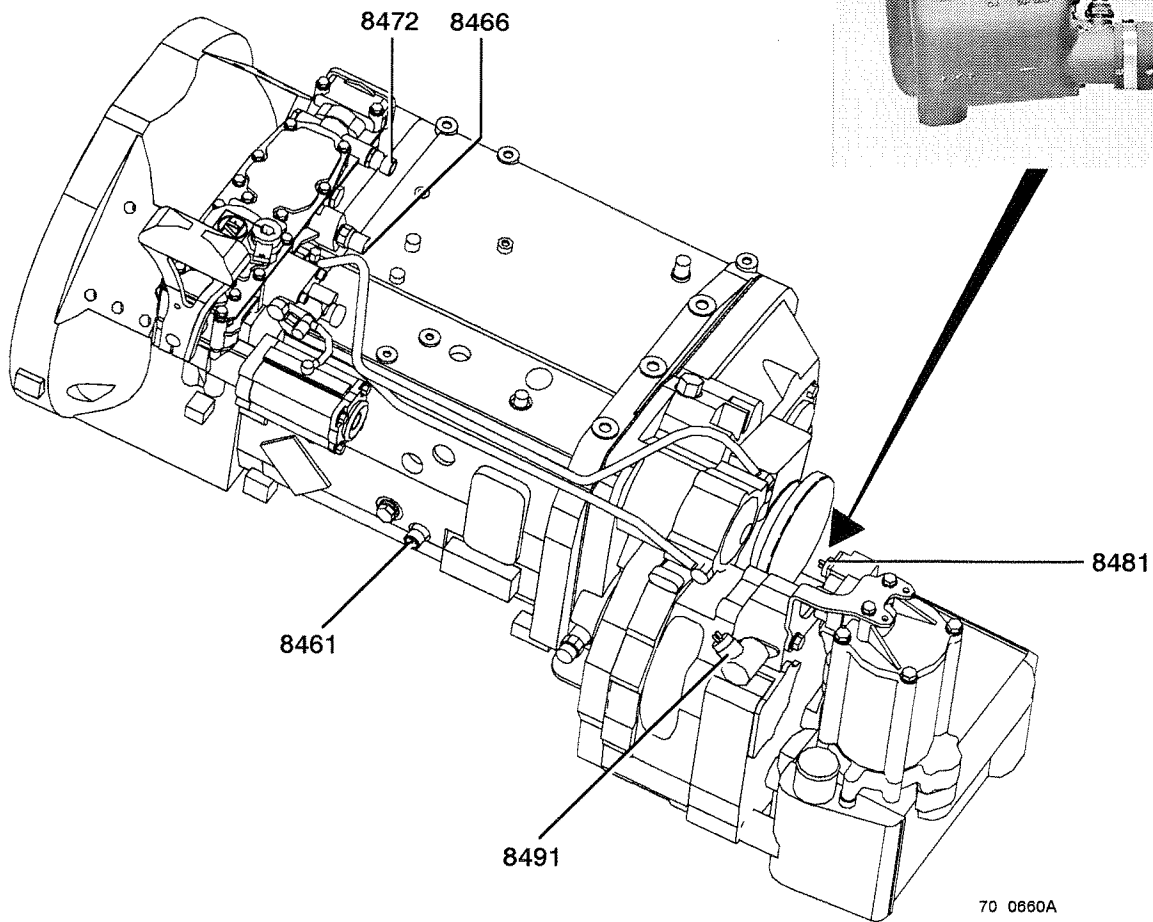


70 1281

Hydraulic retarder

Layout of appliances in cab

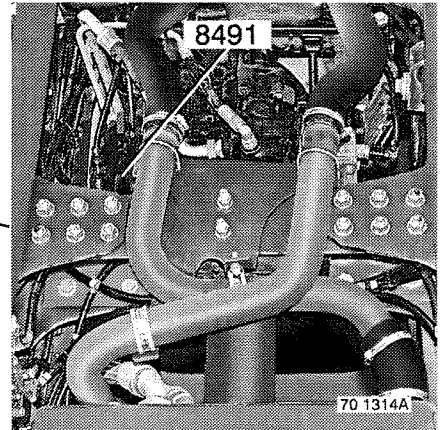
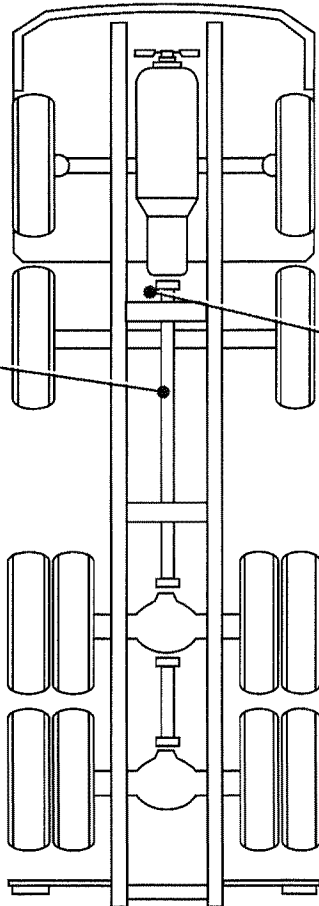
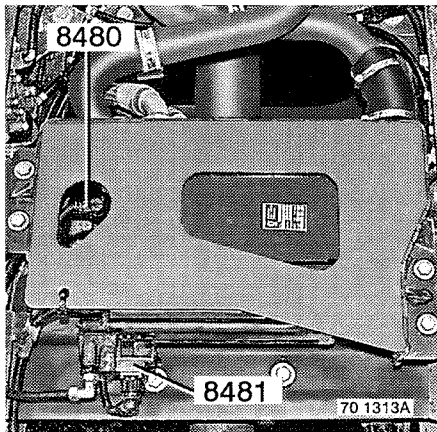
Appliance	Plate
8003 – Hydraulic retarder ECU	16P
8035 – Electric or hydraulic retarder warning lamp	–
8059 – Electric or hydraulic retardation control	16M/N/P



Hydraulic retarder “4x2 – 6x4”

Layout of appliances on “ZF” gearbox

Appliance	Plate
8461 – Vehicle speed sensor	06M
8466 – Neutral switch	02T
8472 – Reverse gear sensor	05P
8480 – Hydraulic retarder cooling system temperature sensor	16P
8481 – Air tank electrovalve	16P
8491 – Hydraulic retarder proportional opening solenoid valve	16P



70 1312

Hydraulic retarder “8x4”

Appliance

Plate

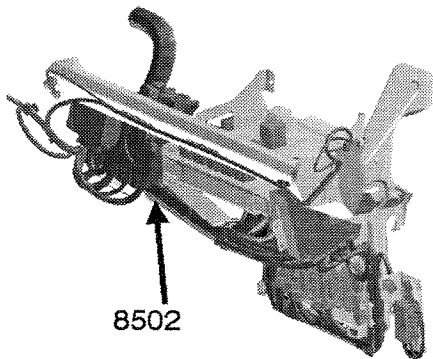
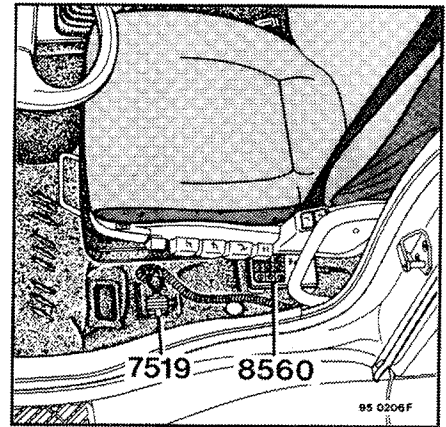
8480 – Hydraulic retarder cooling system temperature sensor	16P
8481 – Air tank electrovalve	16P
8491 – Hydraulic retarder proportional opening solenoid valve	16P



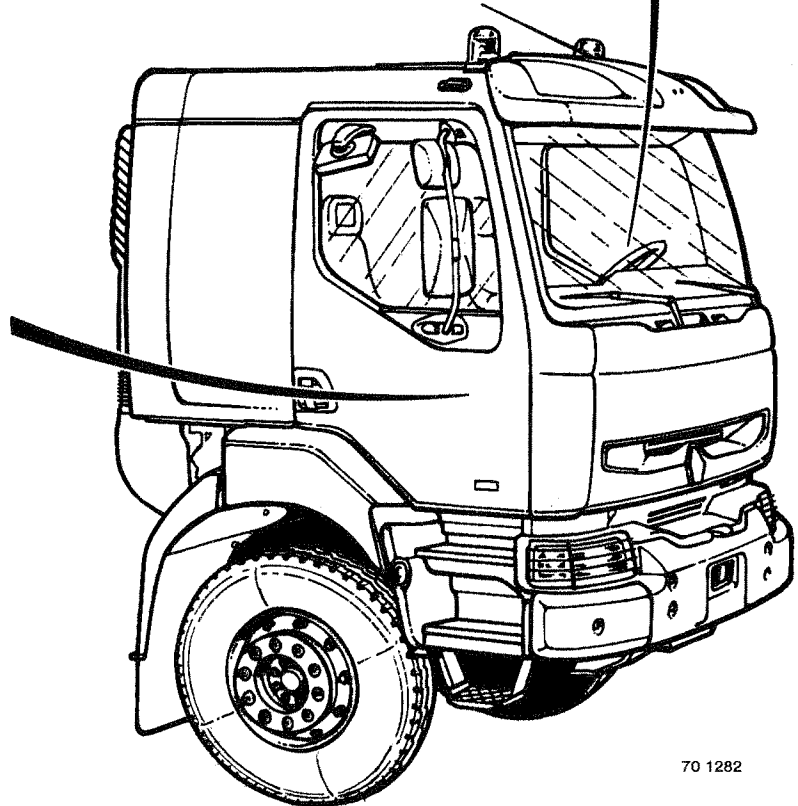
8523



8522



8502

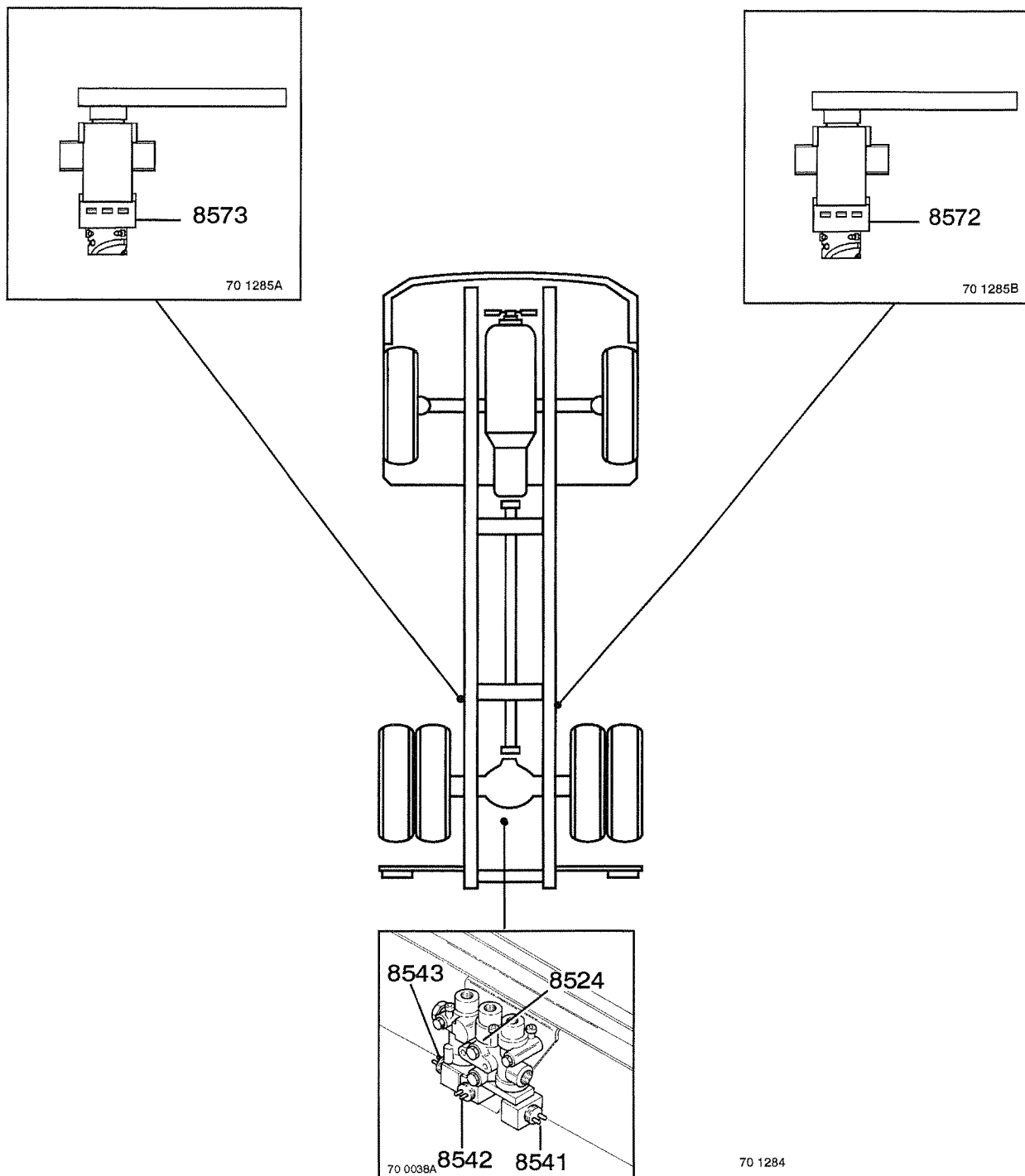


70 1282

Electronic air suspension 4x2 tractor

Layout of appliances in cab

Appliance	Plate
7519 – Diagnostics socket	07M
8522 – Suspension information warning lamp	19M
8523 – Suspension alert warning lamp	19M
8560 – Remote control box	28M
8502 – Suspension ECU	28M



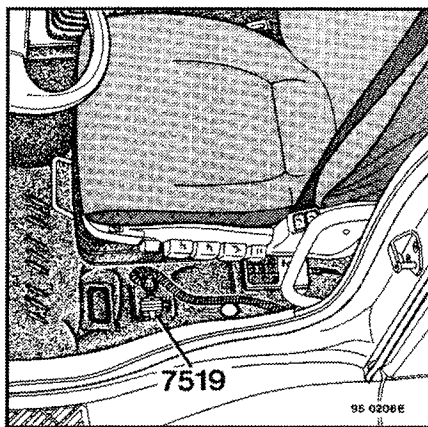
Electronic air suspension "4x2 tractor"

Layout of appliances on chassis

Appliance	Plate
8524 – Rear suspension electrovalve block	28M
8541 – Rear air springs main electrovalve	–
8542 – Rear air spring electrovalve (RH side)	–
8543 – Rear air spring electrovalve (LH side)	–
8572 – Suspension level RH rear sensor	28M
8573 – Suspension level LH rear sensor	28M

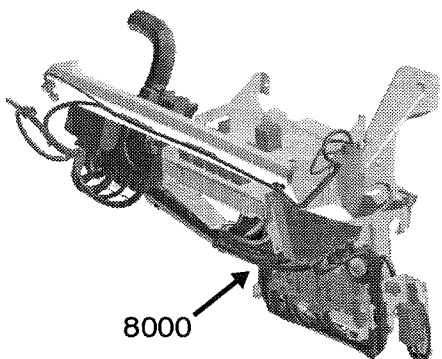


8011

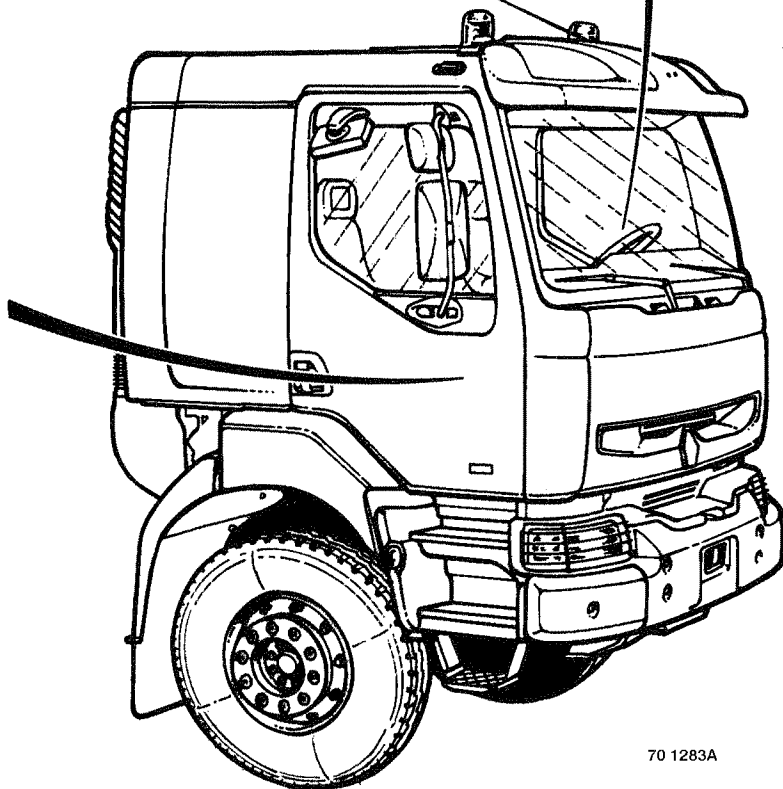


7519

95 0208E



8000



70 1283A

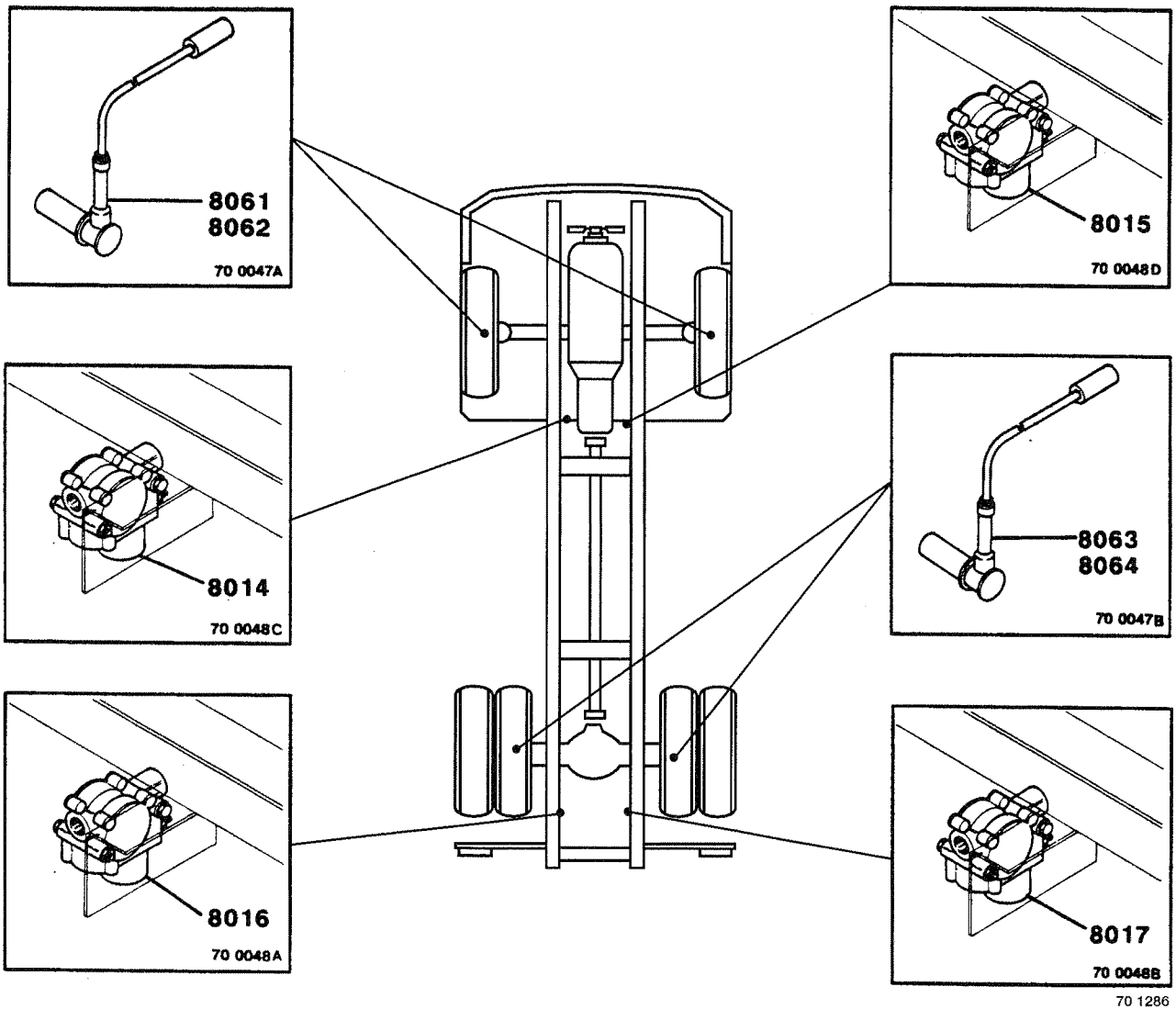
“ABS” equipment “4x2 – 4x4 – 6x4 – 6x6 – 8x4”

Layout of appliances in cab

Appliance

Plate

7519 – Diagnostics socket	07M
8000 – “ABS” ECU	20N
8011 – ABS safety warning lamp	–

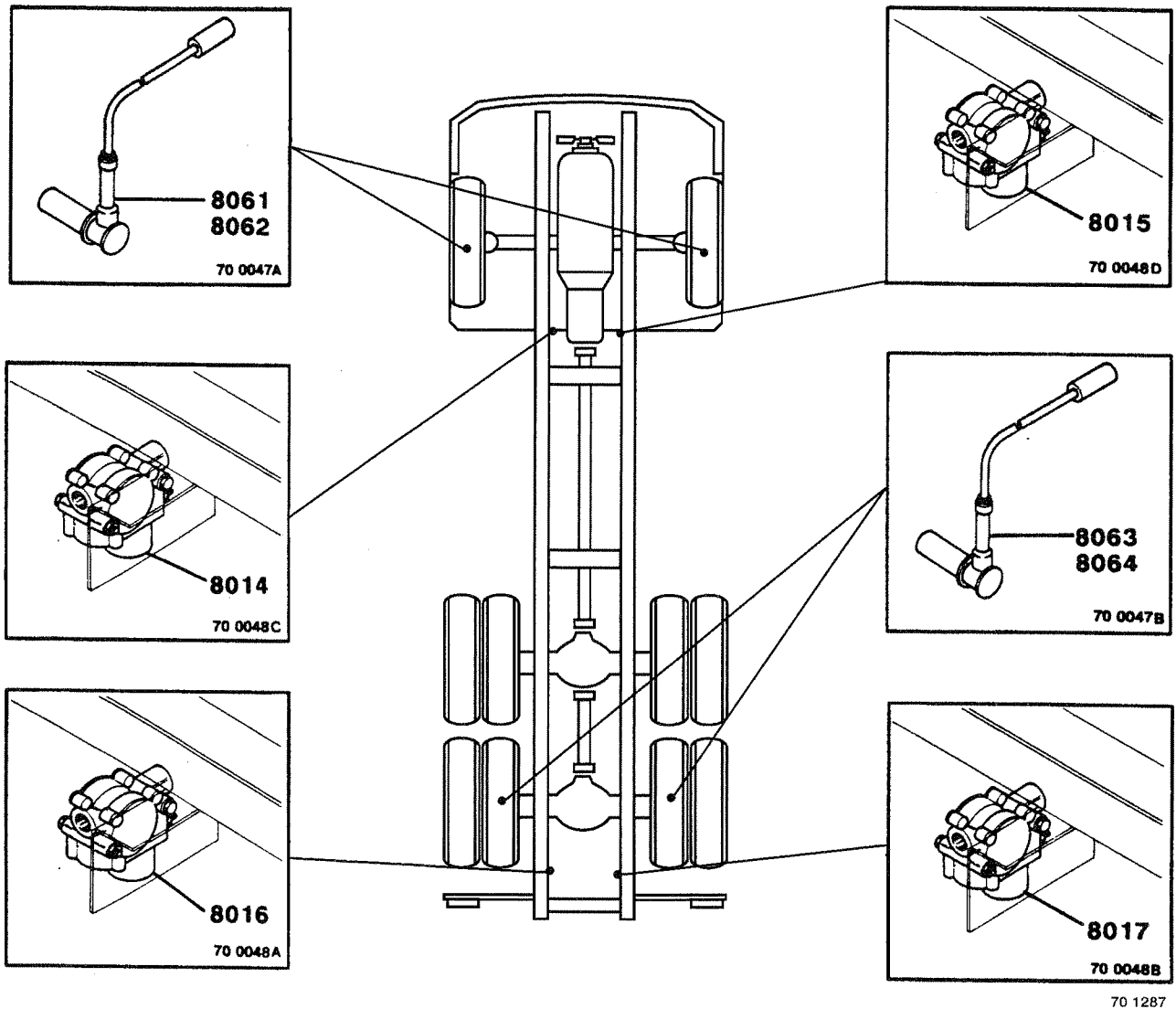


70 1286

“ABS” equipment “4x2 – 4x4”

Layout of appliances on chassis

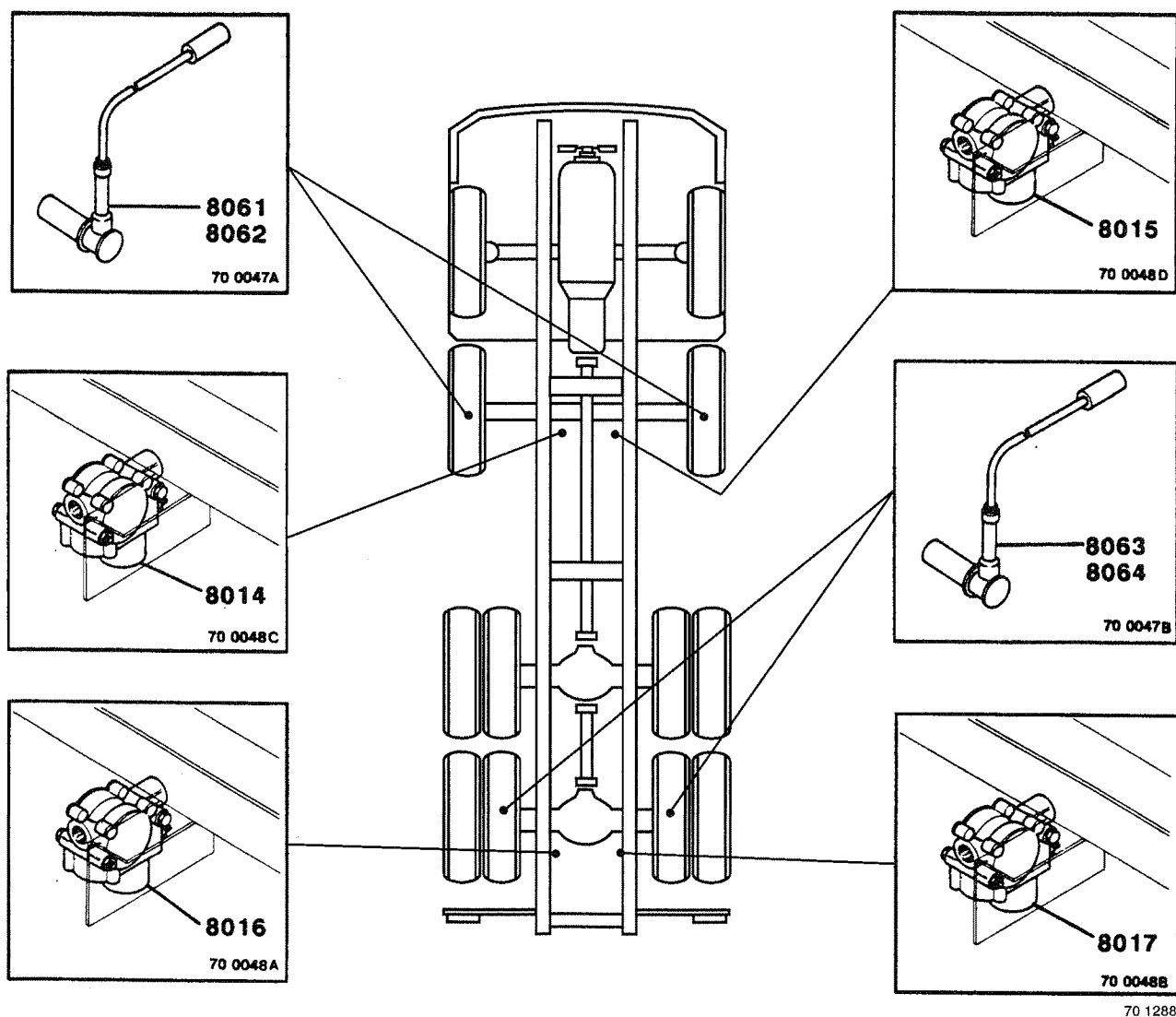
Appliance	Plate
8014 – ABS LH front roadwheel electrovalve	20N
8015 – ABS RH front roadwheel electrovalve	20N
8016 – ABS LH rear roadwheel electrovalve	20N
8017 – ABS RH rear roadwheel electrovalve	20N
8061 – ABS LH front roadwheel sensor	20N
8062 – ABS RH front roadwheel sensor	20N
8063 – ABS LH rear roadwheel sensor	20N
8064 – ABS RH rear roadwheel sensor	20N



“ABS” equipment “6x4 – 6x6”

Layout of appliances on chassis

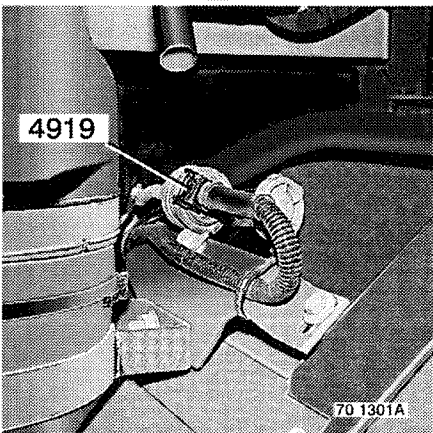
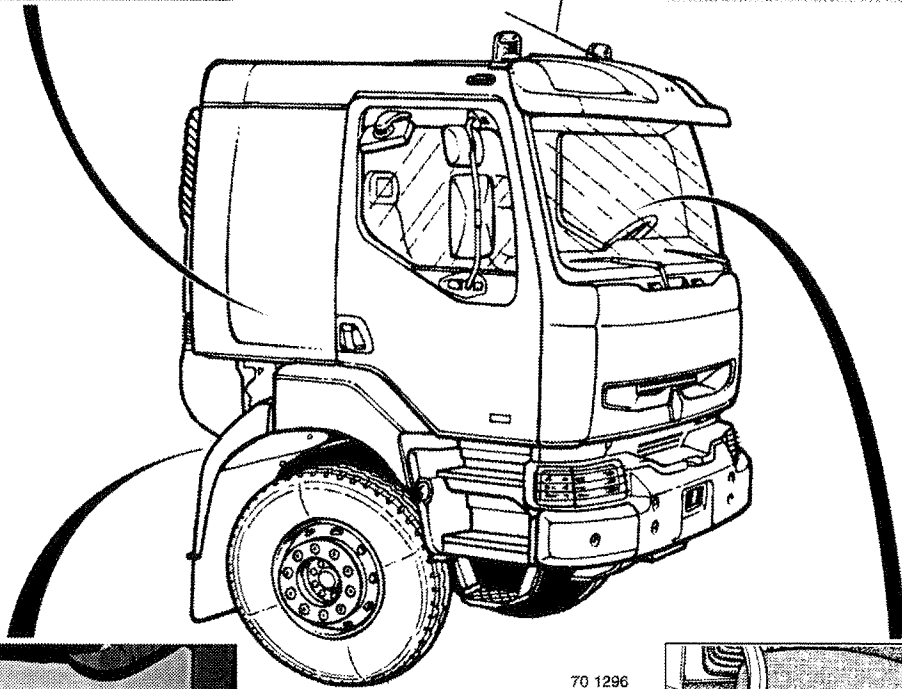
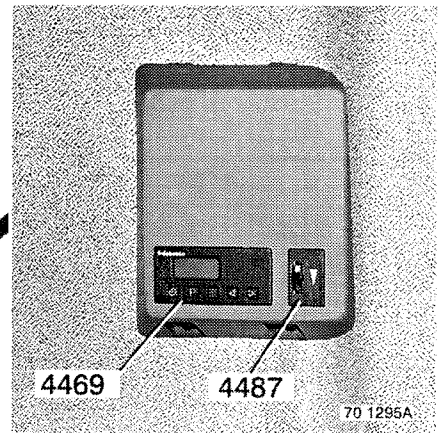
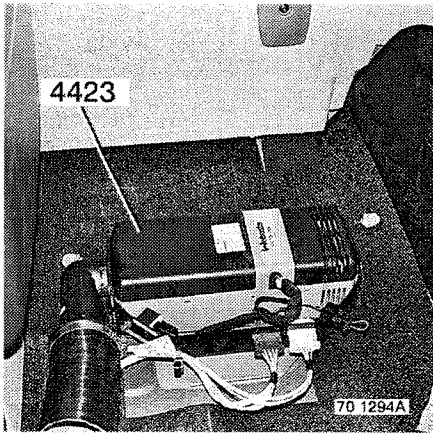
Appliance	Plate
8014 – ABS LH front roadwheel electrovalve	20N
8015 – ABS RH front roadwheel electrovalve	20N
8016 – ABS LH rear roadwheel electrovalve	20N
8017 – ABS RH rear roadwheel electrovalve	20N
8061 – ABS LH front roadwheel sensor	20N
8062 – ABS RH front roadwheel sensor	20N
8063 – ABS LH rear roadwheel sensor	20N
8064 – ABS RH rear roadwheel sensor	20N



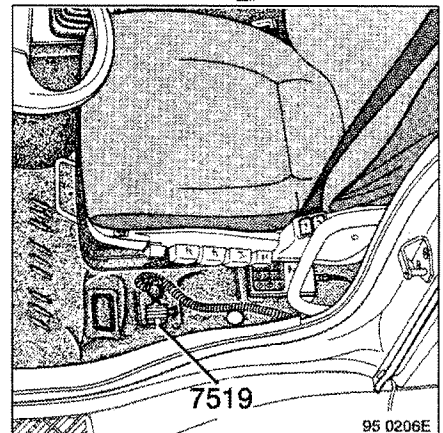
“ABS” equipment “8x4”

Layout of appliances on chassis

Appliance	Plate
8014 – ABS LH front roadwheel electrovalve	20N
8015 – ABS RH front roadwheel electrovalve	20N
8016 – ABS LH rear roadwheel electrovalve	20N
8017 – ABS RH rear roadwheel electrovalve	20N
8061 – ABS LH front roadwheel sensor	20N
8062 – ABS RH front roadwheel sensor	20N
8063 – ABS LH rear roadwheel sensor	20N
8064 – ABS RH rear roadwheel sensor	20N

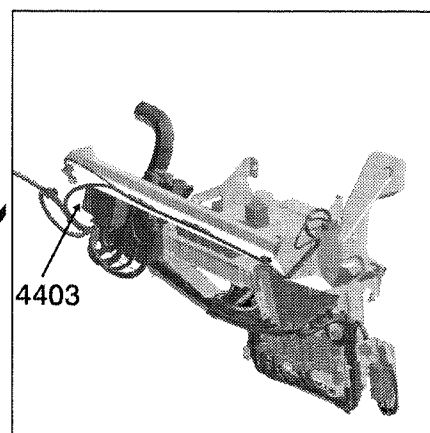
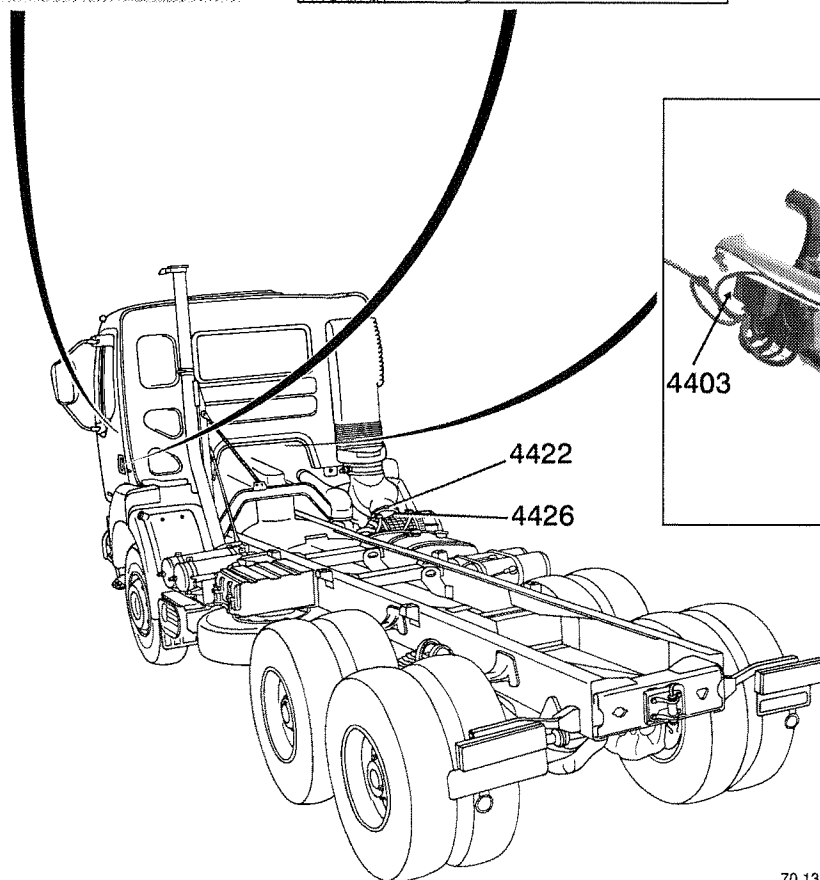
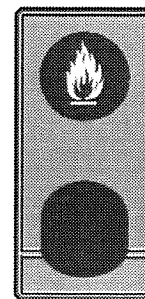
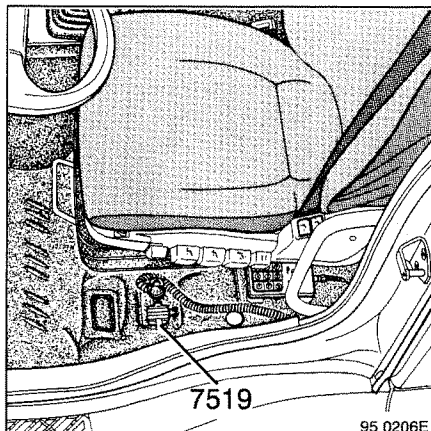
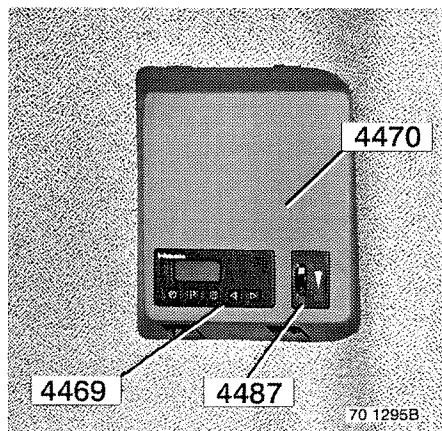


70 1296



Independent heater “AT2000”

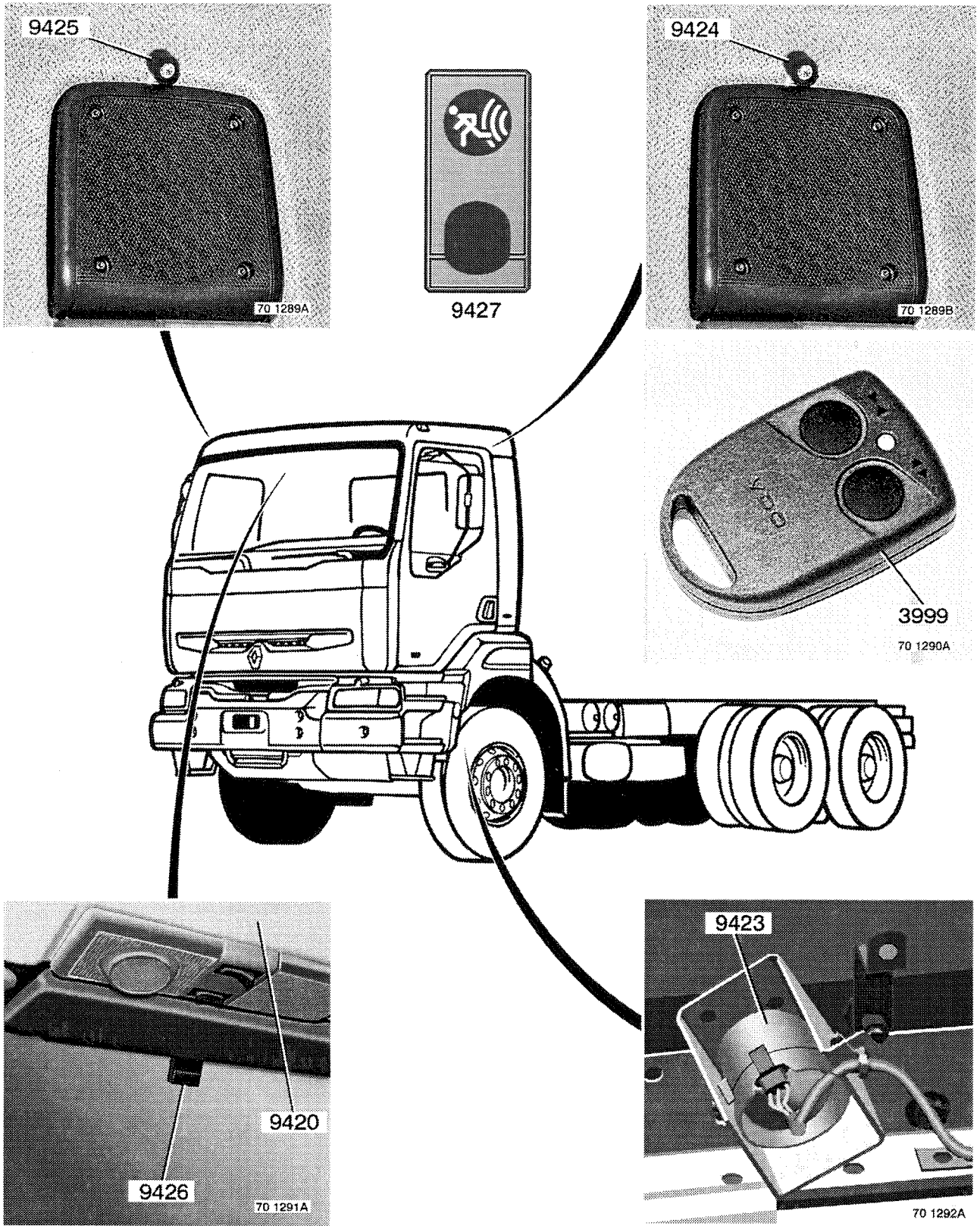
4423 – Independent heater	17P/R
4469 – Independent heating timer control	17P/R
4487 – Temperature control unit	17R
4919 – Fuel feed pump	17R
7519 – Diagnostics socket	07M



70 1315

Independent heater "Thermo 90S"

4403 – Fuel filter preheater	17M
4422 – Independent heater	17M
4426 – Main water circuit solenoid valve	17M
4469 – Independent heating timer control	17M
4470 – Interior temperature sensor	17M
4487 – Temperature control unit	17M
4938 – Cooling circuit main solenoid valve control	17M
7519 – Diagnostics socket	07M

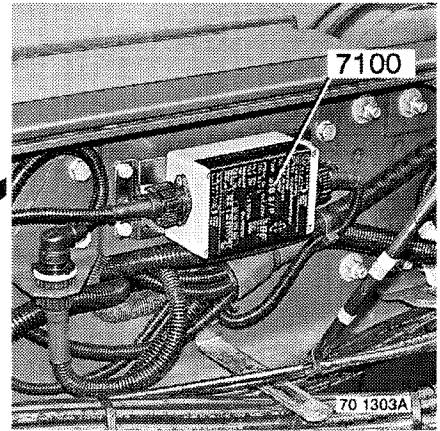
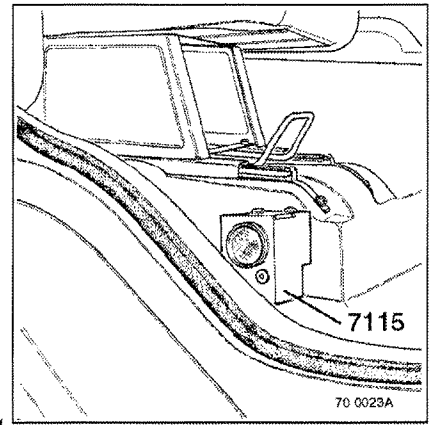
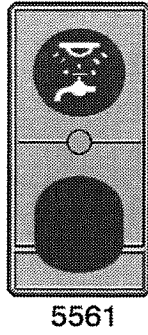
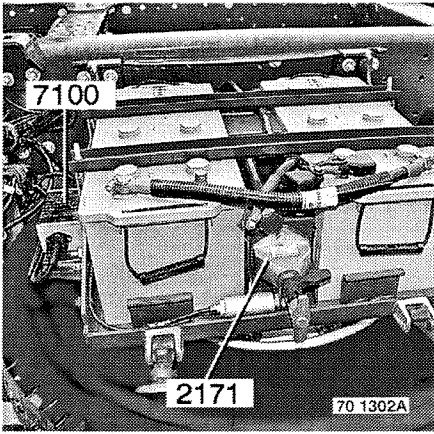


Alarm

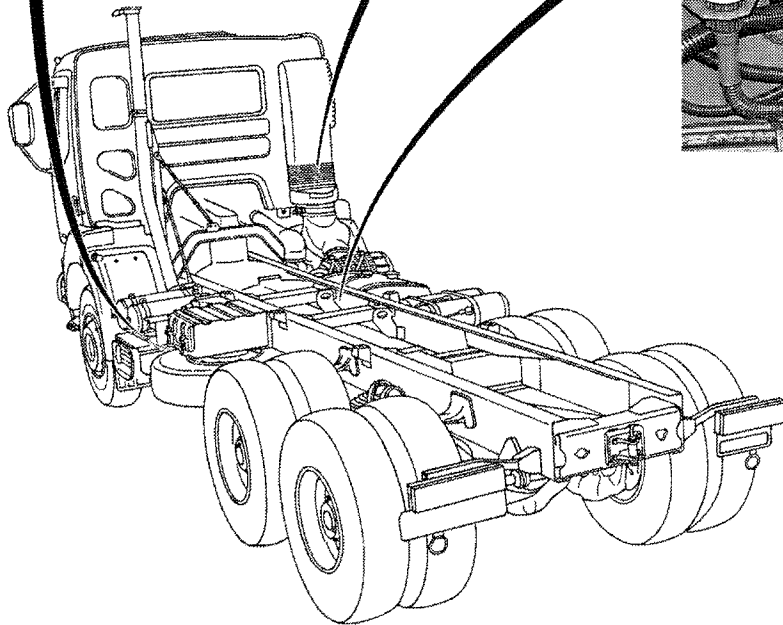
Appliance

3999 – Infrared remote control box	–
9420 – Anti-theft alarm ECU	27S
9423 – Anti-theft alarm siren	27S
9424 – Ultrasound transmitter	27S
9425 – Ultrasound receiver	27S
9426 – Road train surveillance module	27S
9427 – Anti-aggression control	27S

Plate



(8x4)



70 1298

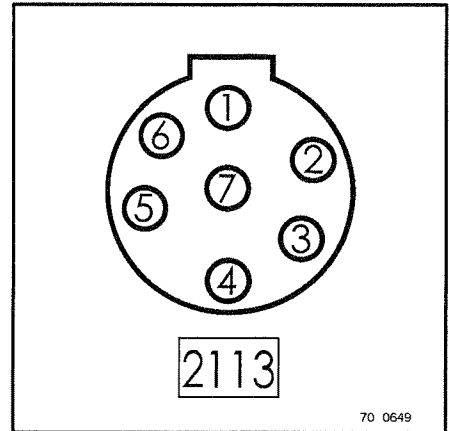
ADR equipment

Appliance

	Plate
2171 – ADR master switch	01S
5561 – Gate valves illumination control	10N
7100 – Current limiter	01S
7115 – Hourmeter	01N

Trailer sockets**2113 – Trailer socket, 7–pin type 24 N**

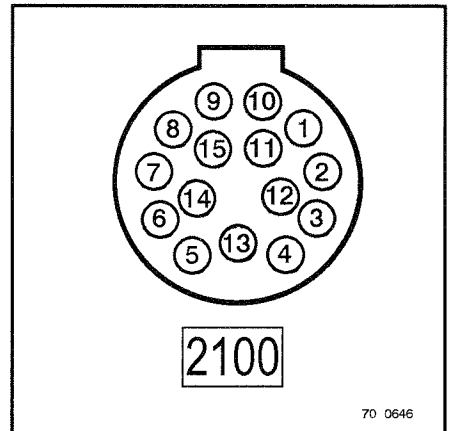
Terminal	Assignment	Fuse	Amp
1	Earth	–	–
2	Trailer LH side/parking lights	F4	10A
3	Trailer LH flashing lights	F34	20A
4	Trailer stop lights	F27	10A
5	Trailer RH flashing lights	F34	20A
6	Trailer RH side/parking lights	F4	10A
7	Available	–	–



70 0649

2100 – Trailer socket, 15–pin

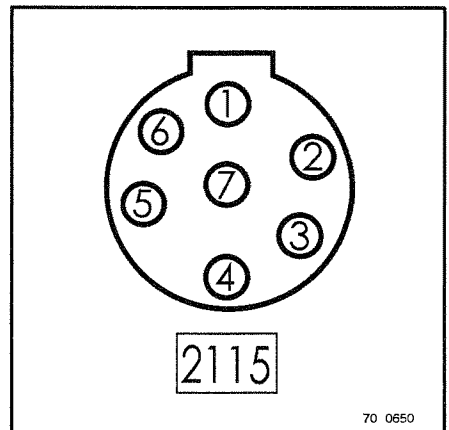
Terminal	Assignment	Fuse	Amp
1	Trailer LH flashing lights	F34	20A
2	Trailer RH flashing lights	F34	20A
3	Trailer fog lights	F8	10A
4	Earth	–	–
5	Trailer LH side/parking lights	F4	10A
6	Trailer RH side/parking lights	F4	10A
7	Earth	–	–
8	Trailer RH flashing lights	F34	20A
9	Trailer fog lights	F43	10A
10/15	Available	–	–



70 0646

2115 – "24 S" type 7–pin trailer socket

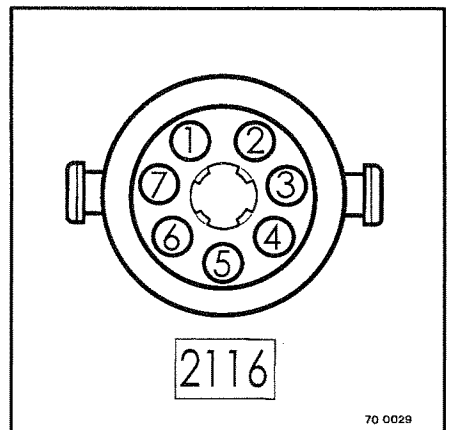
Terminal	Assignment	Fuse	Amp
1	Earth	–	–
2	Perimetric protection module	–	–
3	Trailer reversing lamps	F16	10A
4	Trailer + 24V power supply	F43	10A
5	Trailer "EBS" safety tell–tale lamp	–	–
6	Trailer + 24V power supply	F1	10A
7	Trailer rear fog lamps	F8	10A



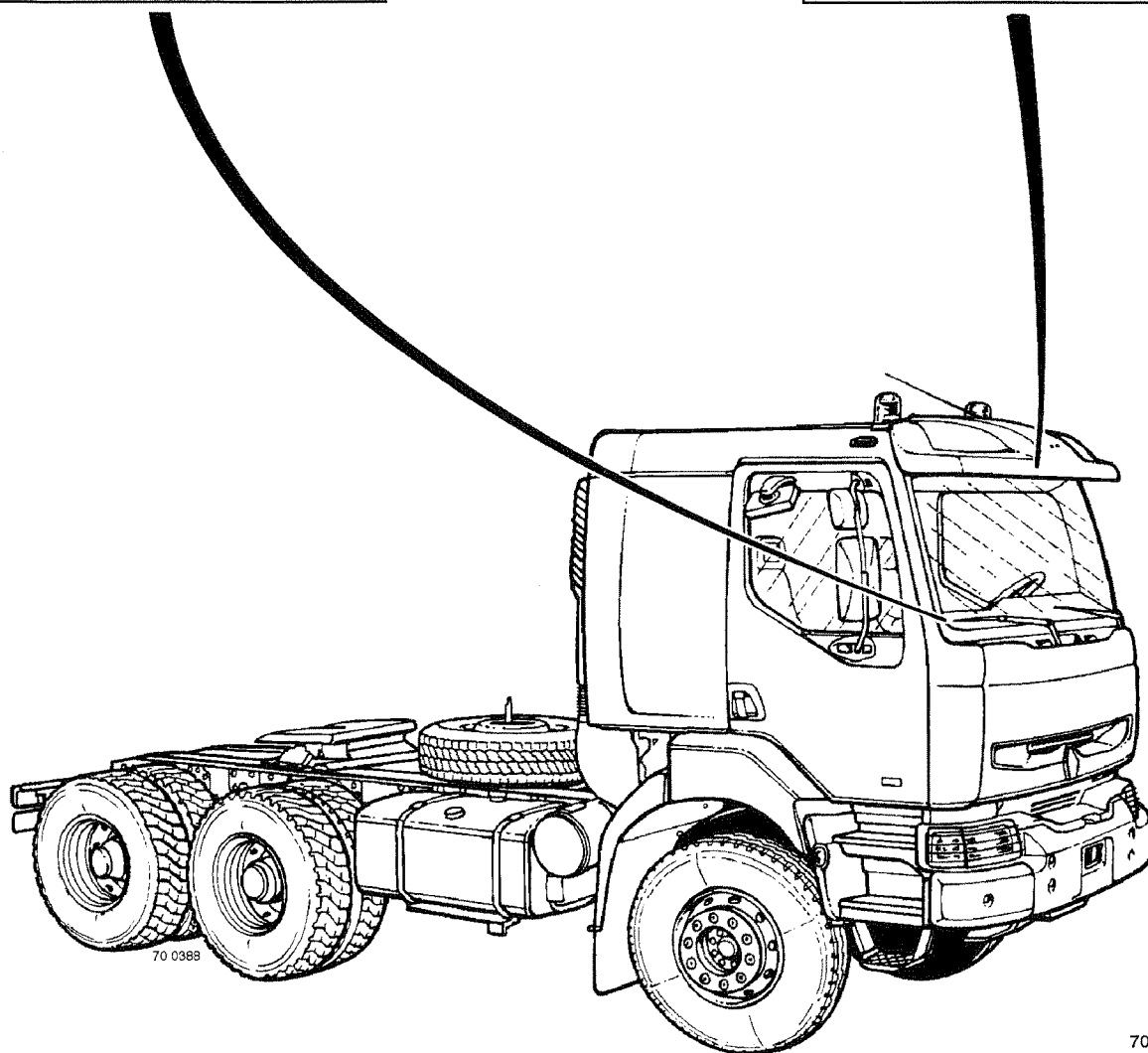
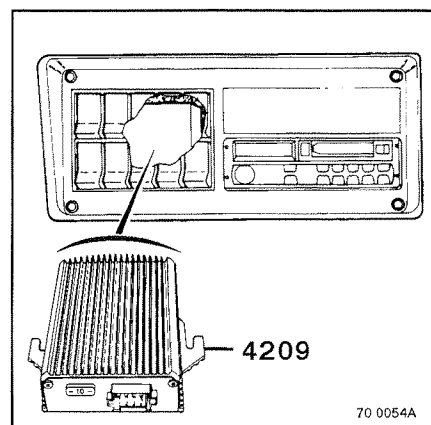
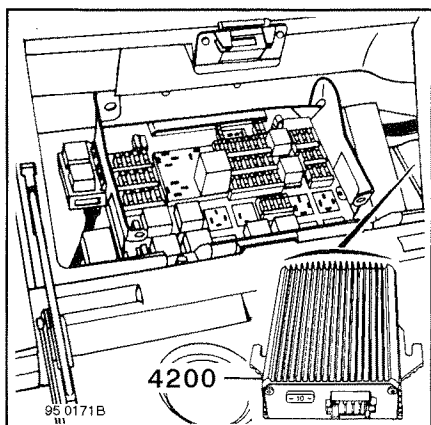
70 0650

2116 – Trailer socket, 7–pin type "ABS / EBS"

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 0029



70 0399

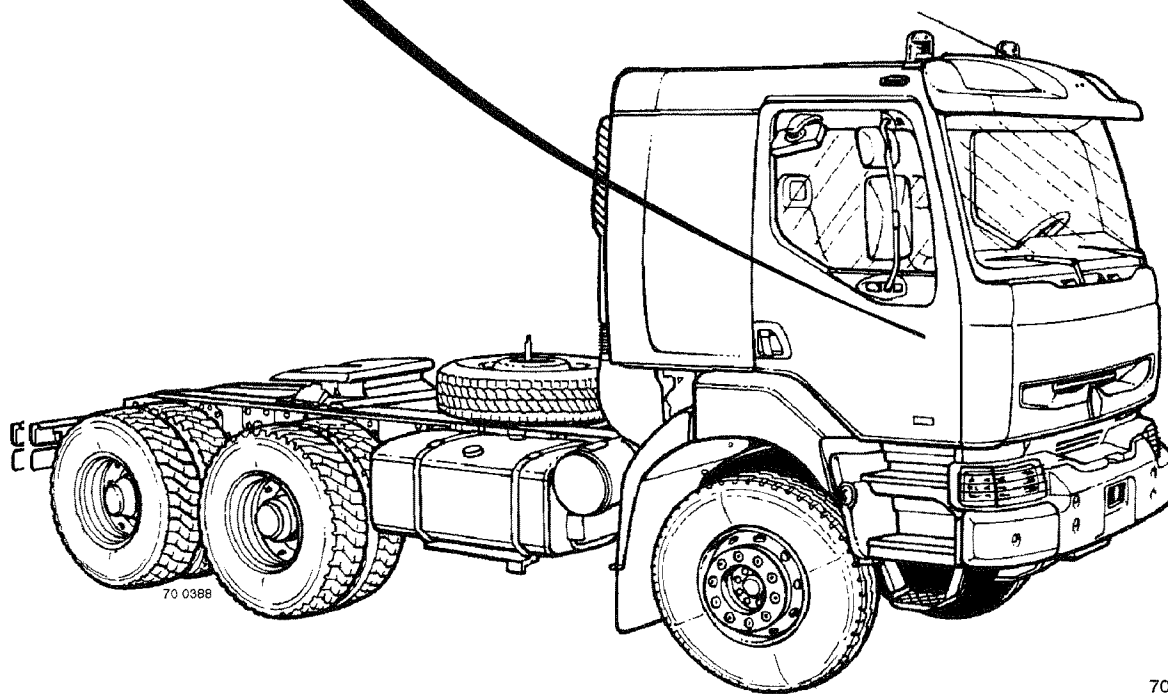
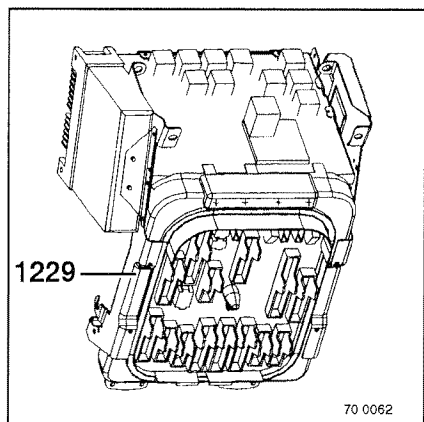
Voltage dropper

Layout of appliances in cab

Appliance

Plate

4200 – Voltage dropper (12 Volt socket)	14M
4209 – Voltage dropper (telecommunications)	14P



70 0400

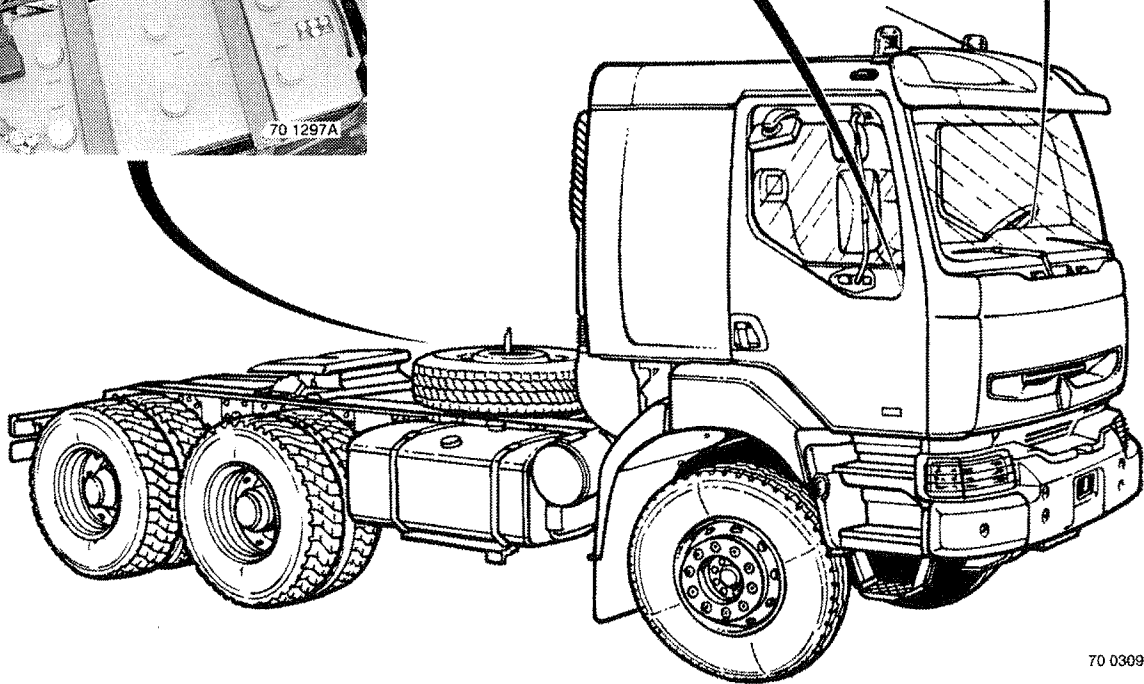
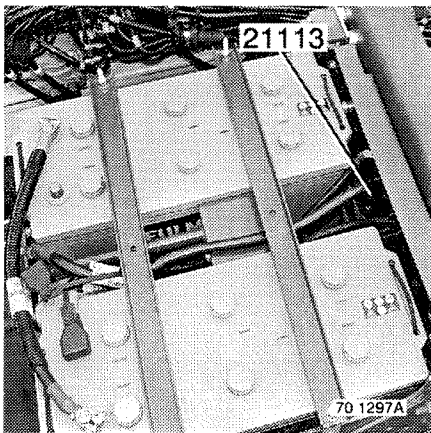
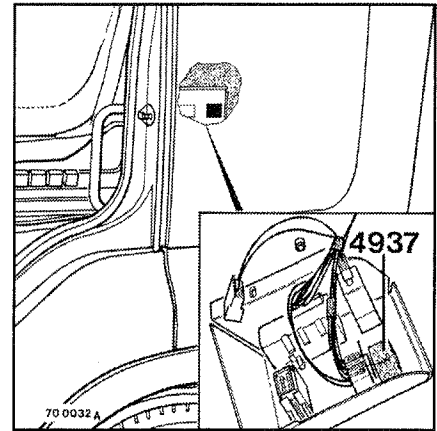
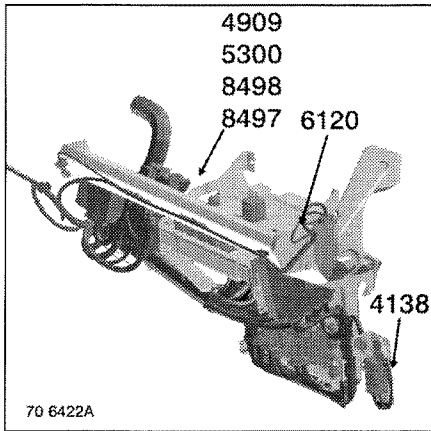
Connection unit

Layout of appliances in cab

Appliance

1229 – Chassis–cab connection unit	–
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Plate

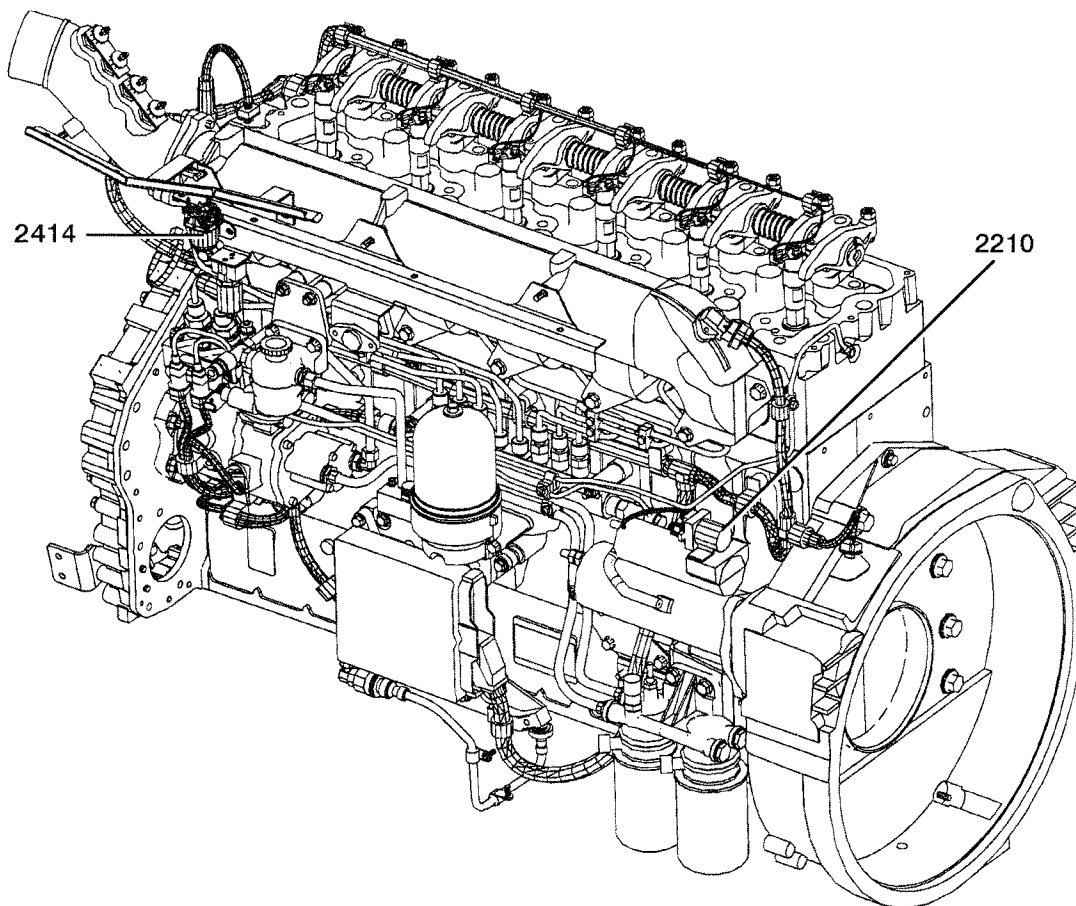


70 0309

Relays away from connection unit

Layout of appliances in cab

Appliance	Plate
4138 – Windscreen defrosting time–delay relay	14R
4909 – Air conditioning cut–off safety relay	17N
4937 – Independent heater relay	17M
5300 – Windscreen wiper relay	11M
6120 – Daytime lights relay	04S
8497 – Gearbox safety relay (range change)	28S
8498 – Gearbox safety relay (gate)	28S
21113 – Bodybuilder equipment control power supply relay	30M



70 0643A

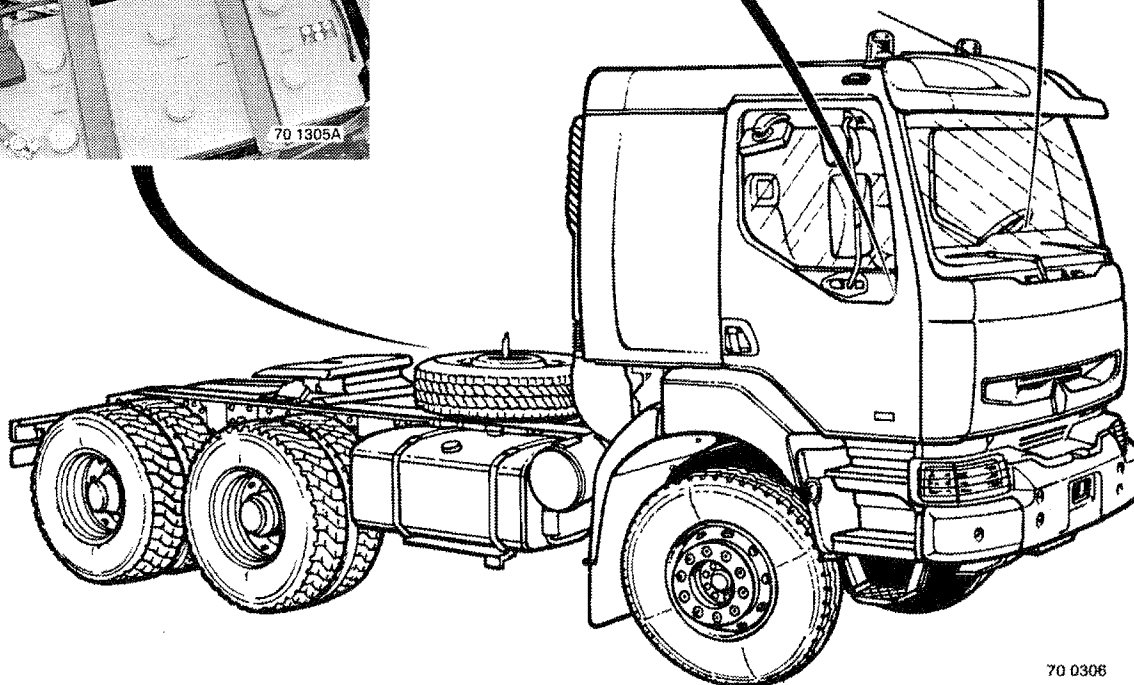
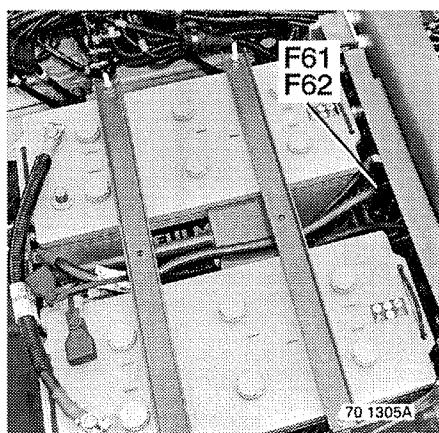
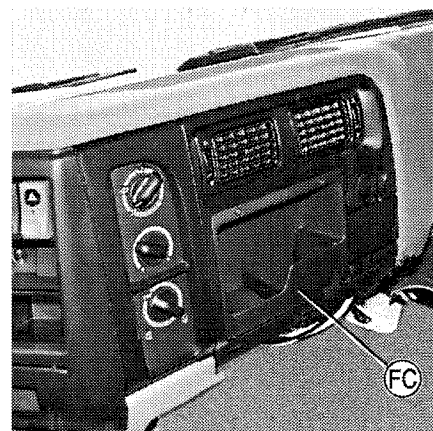
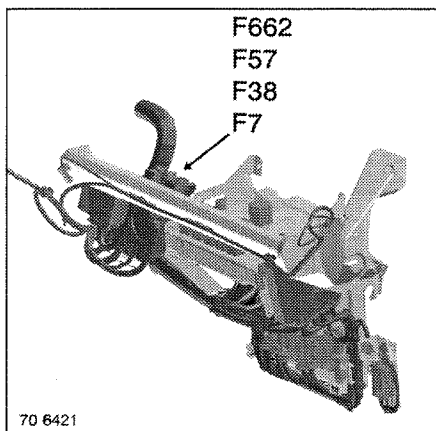
Relays away from connection unit

Layout of appliances on engine "MIDR 06.20.45 – DCI 11"

Appliance

Plate

2210 – Starter with integrated relay	02T
2414 – Preheating relay	02N

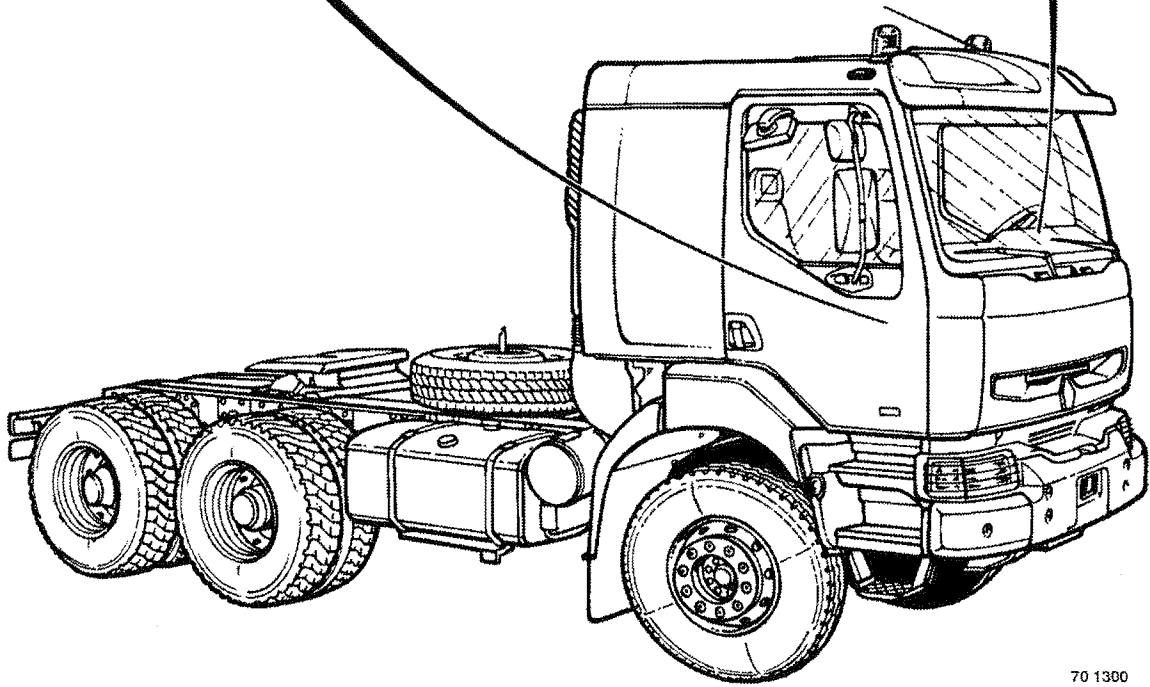
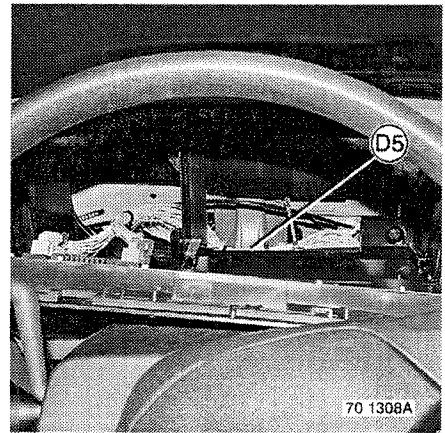
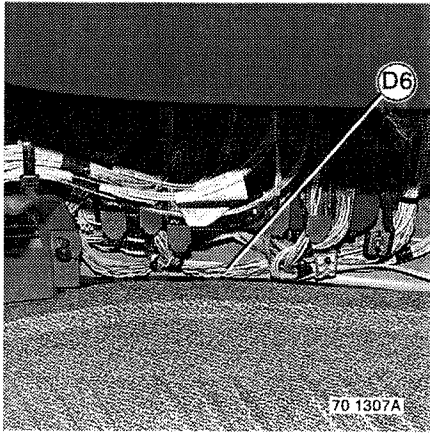


Fuses away from connection unit

Appliance

Plate

Fc – Air conditioning fuse	17N
F7 – Vehicle master ECU (VECU) fuse	27T
F38 – Engine master ECU fuse	27T
F57 – Engine master ECU fuse	27N
F61 – Windscreen defrosting fuse	14R
F62 – Available power supply fuse (bodybuilder equipment)	30M
F662 – Hydraulic retarder ECU fuse	16P



70 1300

Diodes away from connection unit

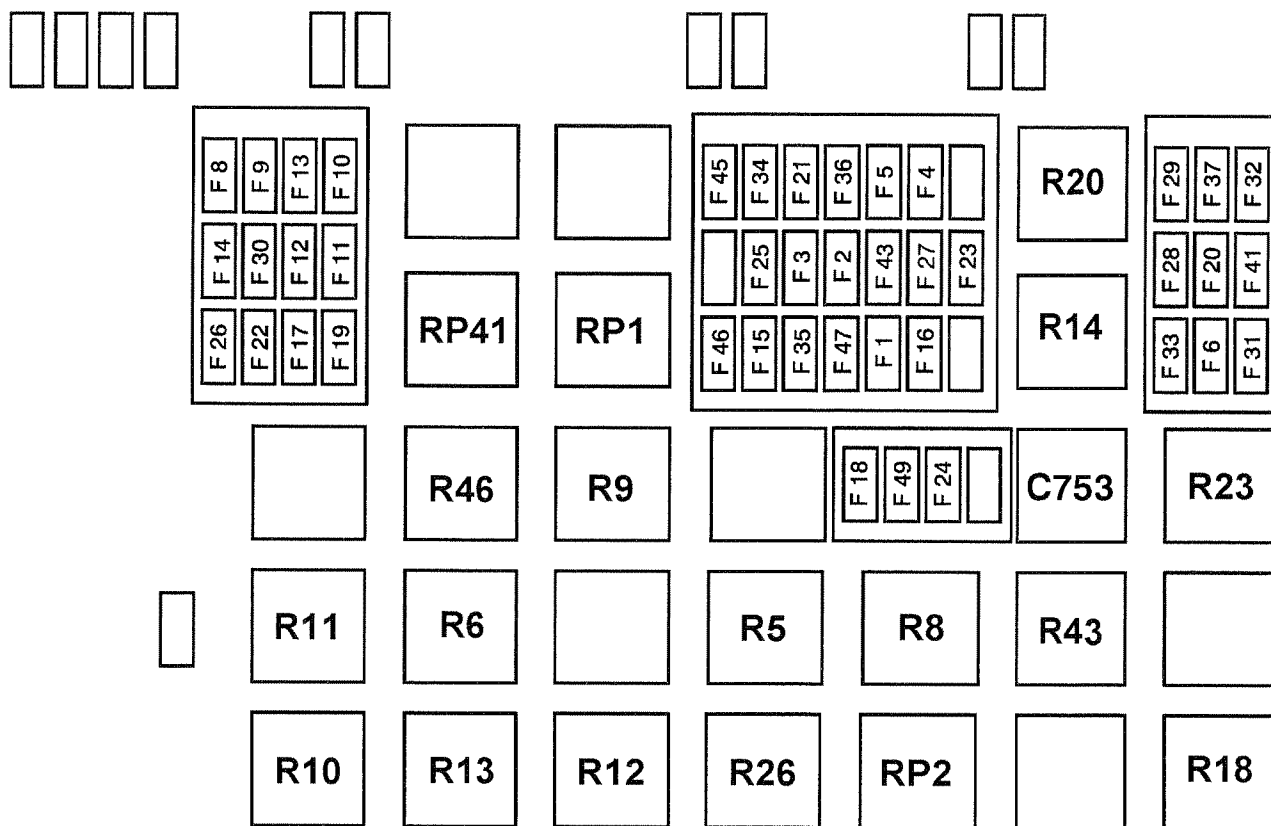
Layout of appliances in cab

Assignment

	Plate
D5 – Alarm diode : 1	10N
D6 – Alarm diode : 2	08R

FUSES / RELAYS / DIODES

FUSES



70 0896B

Table of fuses on connection unit

Assignment	Item	Amp.	Folio
Trailer socket, 7-pin type 24 S	F1	10	01P
Trailer socket 7-pin ("ABS")	F1	10	01P
"ABS" ECU	F1	10	01P
Electric retarder cut-off relay	F1	10	01P
Hydraulic retarder cut-off relay	F1	10	01P
Principal display	F1	10	01P
RH side/parking lights	F2	10	04M
RH marker lights	F2	10	04M
LH side/parking lights	F3	10	04M
LH marker lights	F3	10	04M
Trailer side/parking lights	F4	10	15M/P
Available power supply (lighting)	F5	10	30M
Dashboard instruments lighting	F6	10	04N
Switch lighting	F6	10	04N
Fog light(s)	F8	10	04R
Fog lights warning light	F8	10	04R
Fog driving lights	F9	10	04R
RH main beam headlight	F10	10	04P
LH main beam headlight	F11	10	04P
LH dipped beam headlight	F12	10	04P
RH dipped beam headlight	F13	10	04P
Long beam driving lights	F14	10	04S
Windscreen wiper speed controller	F15	10	01P
Clutch switch and stop lights switch	F16	10	01P
Reversing lamp(s)	F16	10	01P

FUSES

Table of fuses on connection unit

Assignment	Item	Amp.	Folio
Daytime lights relay	F16	10	01P
Dashboard warning lights power supply	F16	10	01P
Defrosting rearview mirror control	F16	10	01P
Radio	F17	20	14M
Air dryer heater	F18	15	01R
Air conditioning relay	F18	15	01R
Gearbox safety relay	F18	15	01P
Fuel filter preheater	F19	25	03M
Revolving beacons	F20	10	05P
Roof air vent motor	F20	10	05P
Power supply (after master switch)	F21	20	14R
Voltage dropper (extra 12V socket)	F21	20	14R
Refrigerator	F21	20	14R
Independent heater "AT2000"	F22	20	17M/P/R
Independent heater "Thermo 90S"	F22	20	17M/P/R
Driver's overhead light	F23	10	10N
Passenger(s) overhead light	F23	10	10N
Bottom bunk overhead light	F23	10	10N
Step light	F23	10	10N
Voltage dropper (telecommunications)	F23	10	10N
Driver's window winder motor	F24	20	08P
Passenger's window winder motor	F24	20	08P
Tachograph clock	F25	5	06M
Horn	F26	10	05M
Stop lights	F27	10	05N
Trailer stop lights	F27	10	05N
"ABS" ECU	F28	20	20N
LH swivelling defrosting rearview mirror	F29	10	09M
RH swivelling defrosting rearview mirror	F29	10	09M
Heated driver's seat	F30	20	14M
Heated passenger seat	F30	20	14M
Cigar lighter	F30	20	14M
Voltage dropper (12V socket)	F30	20	14M
Daytime lights relay	F31	20	04S
Windscreen wiper motor	F32	20	11M
Windscreen washer pump	F32	20	11M
Headlamps washer pump	F32	20	11M
Diagnostics socket	F33	10	07M
Suspension ECU	F33	10	07M
Flasher unit	F34	15	01R/S
Independent heater programming control	F34	15	01R/S
Hazard lights control	F34	15	01R/S
Radio tuner + 24 Volts power supply	F34	15	01R/S
Available power supply (after ignition key)	F35	15	30N
Trailer socket 7-pin ("ABS")	F36	20	15M/P
LH door lock electric striker	F37	10	08M/N
RH door lock electric striker	F37	10	08M/N
Range change electrovalve	F41	10	28S
Loading floodlight (tractor)	F43	10	10M
Trailer + 24 Volts power supply	F43	10	10M
Doors central locking box	F45	10	01N/S
Anti-theft alarm siren	F45	10	01N/S
Anti-theft alarm ECU power supply (direct +)	F45	10	01N/S

FUSES**Table of fuses on connection unit**

Assignment	Item	Amp.	Folio
Engine preheating control	F46	10	01P
Fuel filter preheater control	F46	10	01P
Fan coil heaters	F46	10	01P
ZF gearbox hydraulic retarder	F46	10	01P
Vehicle protection	F46	10	01P
Suspension ECU	F47	10	01P
Suspension remote control box	F47	10	01P
"ABS" ECU	F49	03	20N

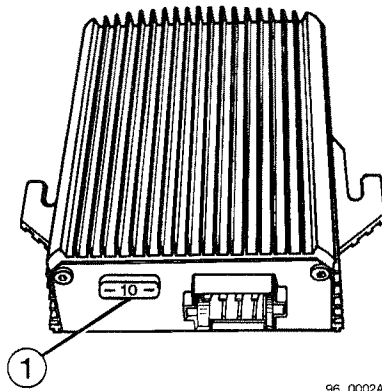
FUSES

Table of fuses away from connection unit

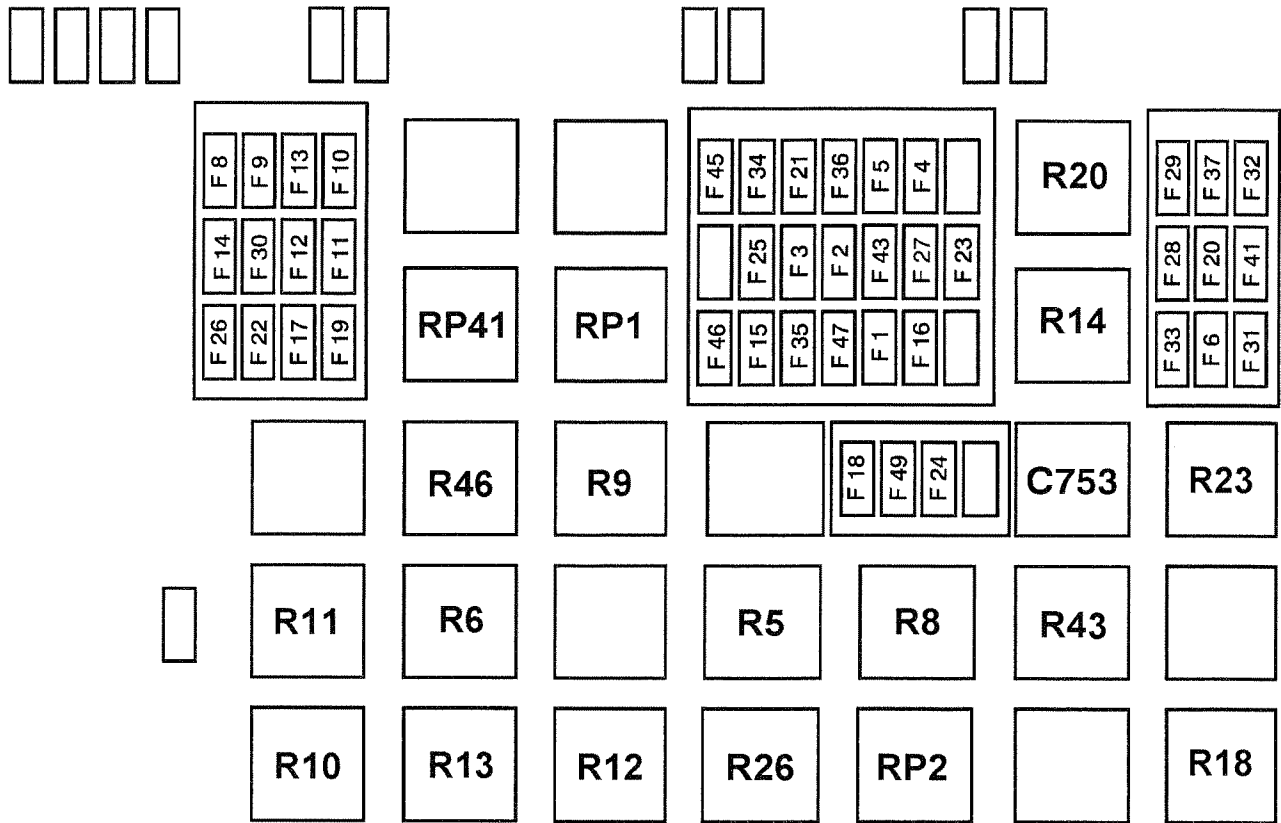
Assignment	Item	Amp.	Folio
Air conditioning	Fc	15	17N
"EUP" ECU	F7	10	27T
"EUP" ECU	F38	25	27T
Vehicle master ECU	F57	10	27N
Windscreen defrosting	F61	50	14R
Available power supply relay (bodybuilder equipment)	F62	30	30M
Hydraulic retarder ECU	F662	5	16P

Voltage dropper

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



RELAYS



70 0896B

Table of relays on connection unit

Assignment	Item	Amp.	Folio
After ignition power supply relay N° 1	RP1	50	(01P)
Power after ignition relay	RP2	50	(01R)
Fuel preheater relay	RP41	50	(03M)
Side / parking lights relay	R5	20	(04M)
Comfort accessories relay	R6	20	(14M)
Lighting relay	R8	20	(04N)
Fog driving lights relay	R9	20	(04R)
Fog lights relay	R10	20	(04R)
Dipped beam headlights relay	R11	20	(04P)
Main beam headlights relay	R12	20	(04P)
Long range driving lights	R13	20	(04S)
Stop lights relay	R14	20	(05N)
Electric retarder cut-off relay	R18	20	(20N)
Rearview mirrors and windscreen defrosting relay	R20	20	(09M)
Revolving beacon(s) relay	R23	20	(05P)
"VECU / EECU" ECU power supply relay	R43	20	(27N)
Independent heater relay	R46	20	(17M)
Headlamp washer time-delay relay	C753	50	(11M)

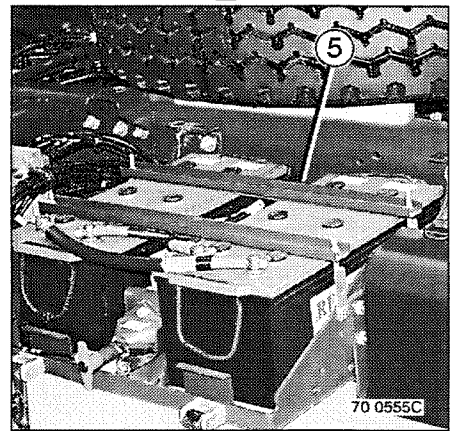
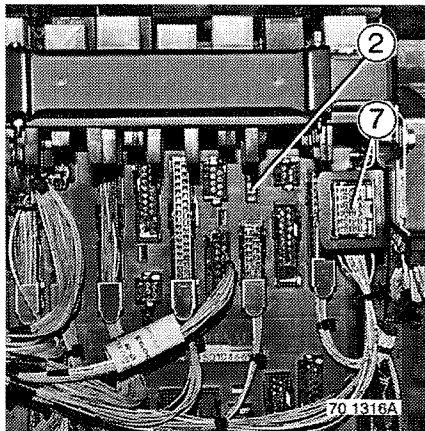
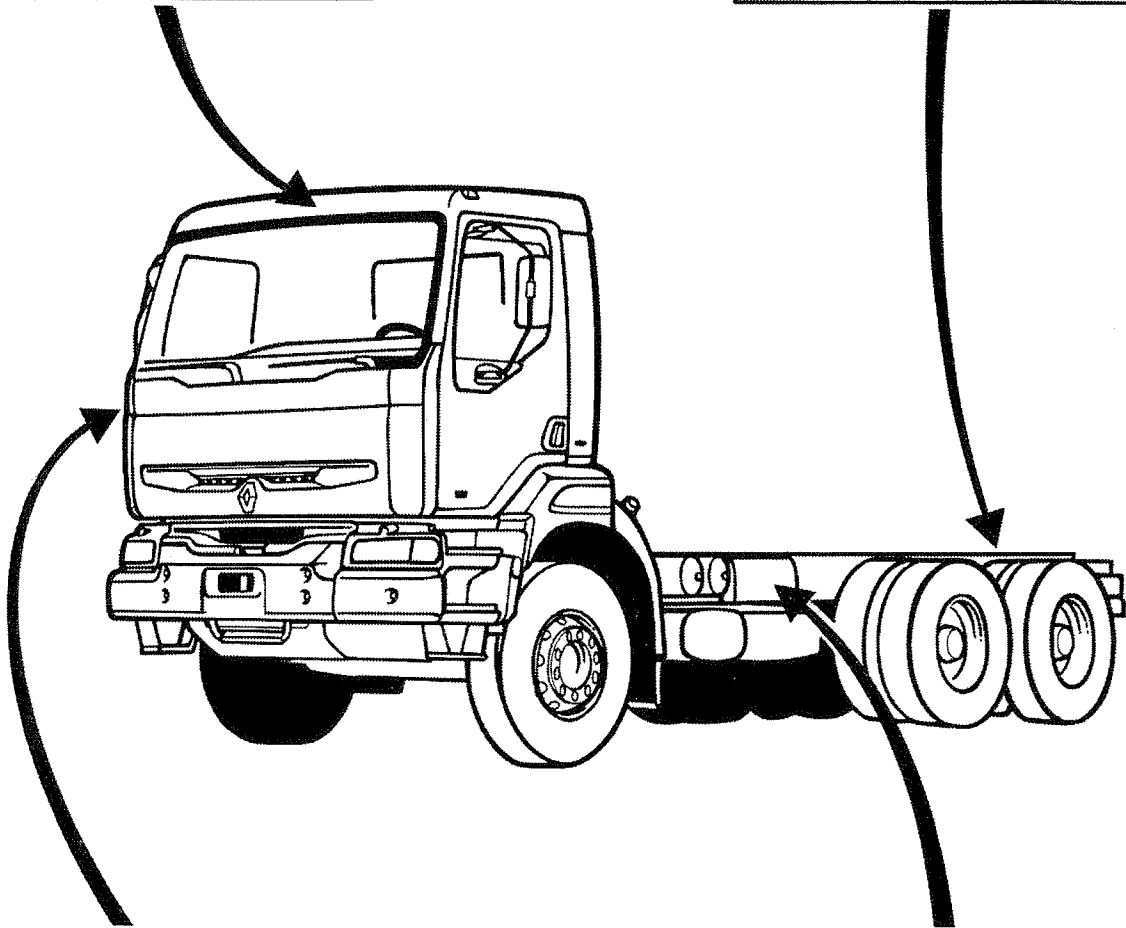
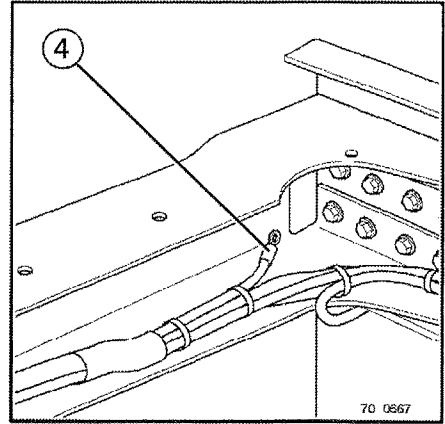
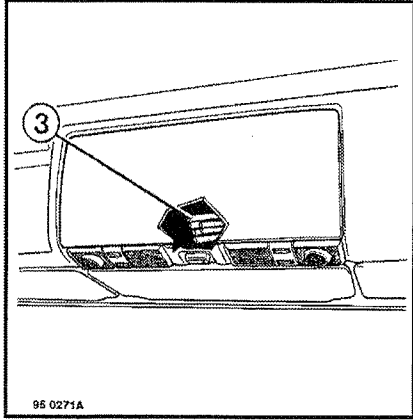
Table of relays away from connection unit

Assignment	Item	Amp.	Folio
Air conditioning cut-off safety relay	R21	20	(17N)
Windscreen wiper relay	R25	20	(11M)
Independent heater relay	R28	20	(17M)
Daytime lights relays	R45	20	(04S)
Available power supplies relay (bodybuilder equipment)	R47	20	(30M)
Windscreen defrosting relay (time-delayed)	R48	50	(14R)
Gearbox safety relay (gate)	R51	20	(28S)
Gearbox safety relay (range change)	R52	20	(28S)
Preheating relay	R93	50	(02M)

DIODES**Table of diodes away from connection unit**

Assignment	Item	Plate
Alarm diode : 1	D5	(10N)
Alarm diode : 2	D6	(08R)

AVAILABLE POWER SUPPLIES



70 1317

AVAILABLE POWER SUPPLIES**LOCATION 2****GREY connector**

Assignment	Wire	Fuse	Amp.
Earth	1	—	—
Power supply (after ignition)	275	F35	15

LOCATION 3**6 insulated stand-by wires**

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

LOCATION 4

Assignment	Wire	Fuse	Amp.
Earth	1	—	—
Power supply (lighting)	632	F5	10

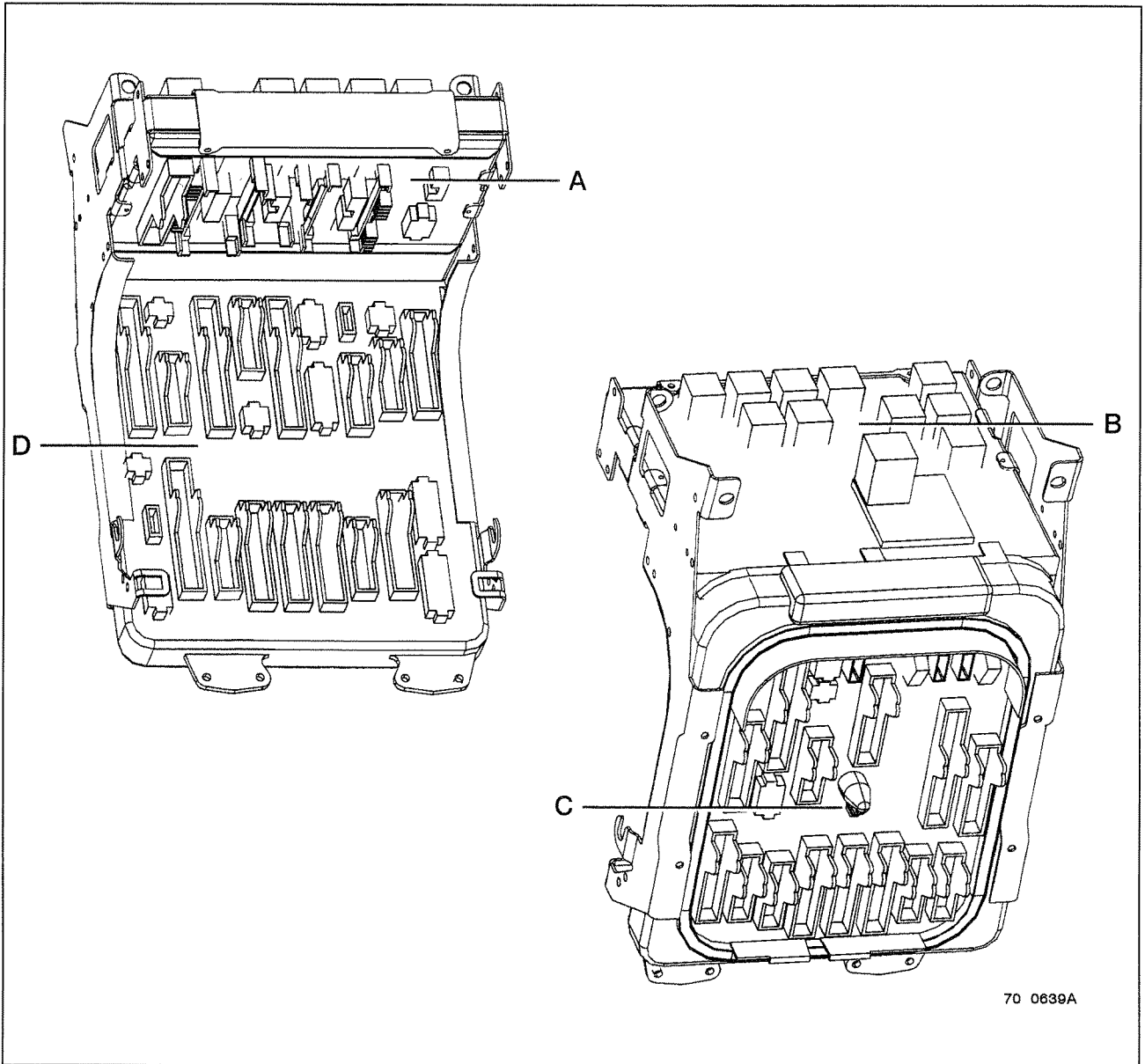
LOCATION 5**7 insulated stand-by wires**

Assignment	Wire	Fuse	Amp.
Earth	1	—	—
Power supply (after master switch)	208	F21	20
Power supply (after ignition)	275	F35	15
Power supply (lighting)	632	F5	10
Rigid perimetric protection module	0403	—	—
Earth	1	—	—
Available power supply (bodybuilder's equipment control)	2057	F62	30

AVAILABLE POWER SUPPLIES**LOCATION 7****12 insulated stand-by wires**

Assignment	Wire	Fuse	Amp.
Available power supply (engine speed)	045	—	—
Available power supply (engine speed)	047	—	—
Available power supply (PTO)	88	—	—
Available power supply (after master switch)	208	F21	20
Available power supply (lighting)	618	F21	20
Available power supply (equipment in working position "Alert" warning light)	651	—	—
Available power supply (engine speed)	1025	—	—
Available power supply (PTO)	1026	—	—
Available power supply (bodybuilder's equipment control)	8083	F21	20
Available power supply (handrail retracted "Information" tell-tale light) ..	8084	—	—
Available power supply ("sideboard open" warning light)	8086	—	—
Available power supply ("tipper raised" warning light)	8087	—	—

CONNECTION UNIT



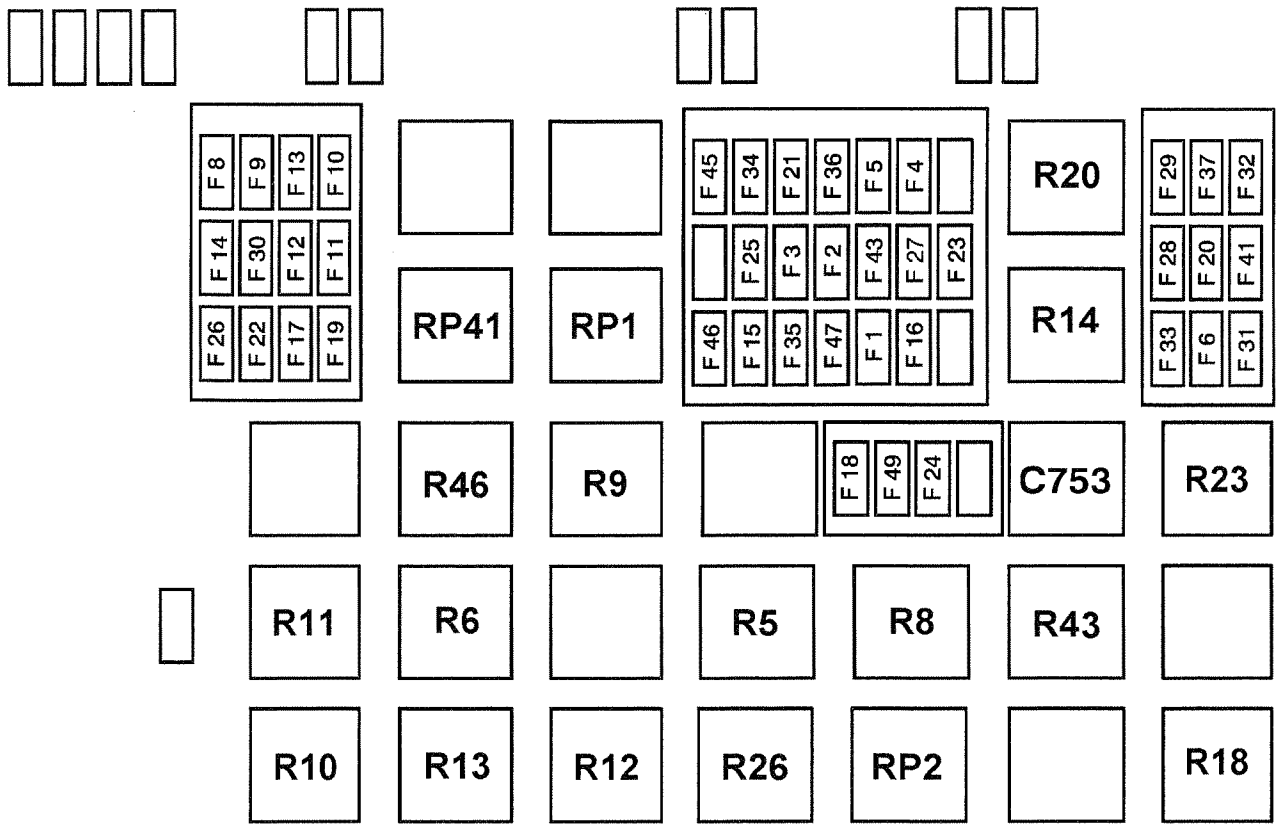
Connection unit

Face "A" see detail page F4

Face "B" see detail page F3

Face "C" see detail page F12

Face "D" see detail page F6

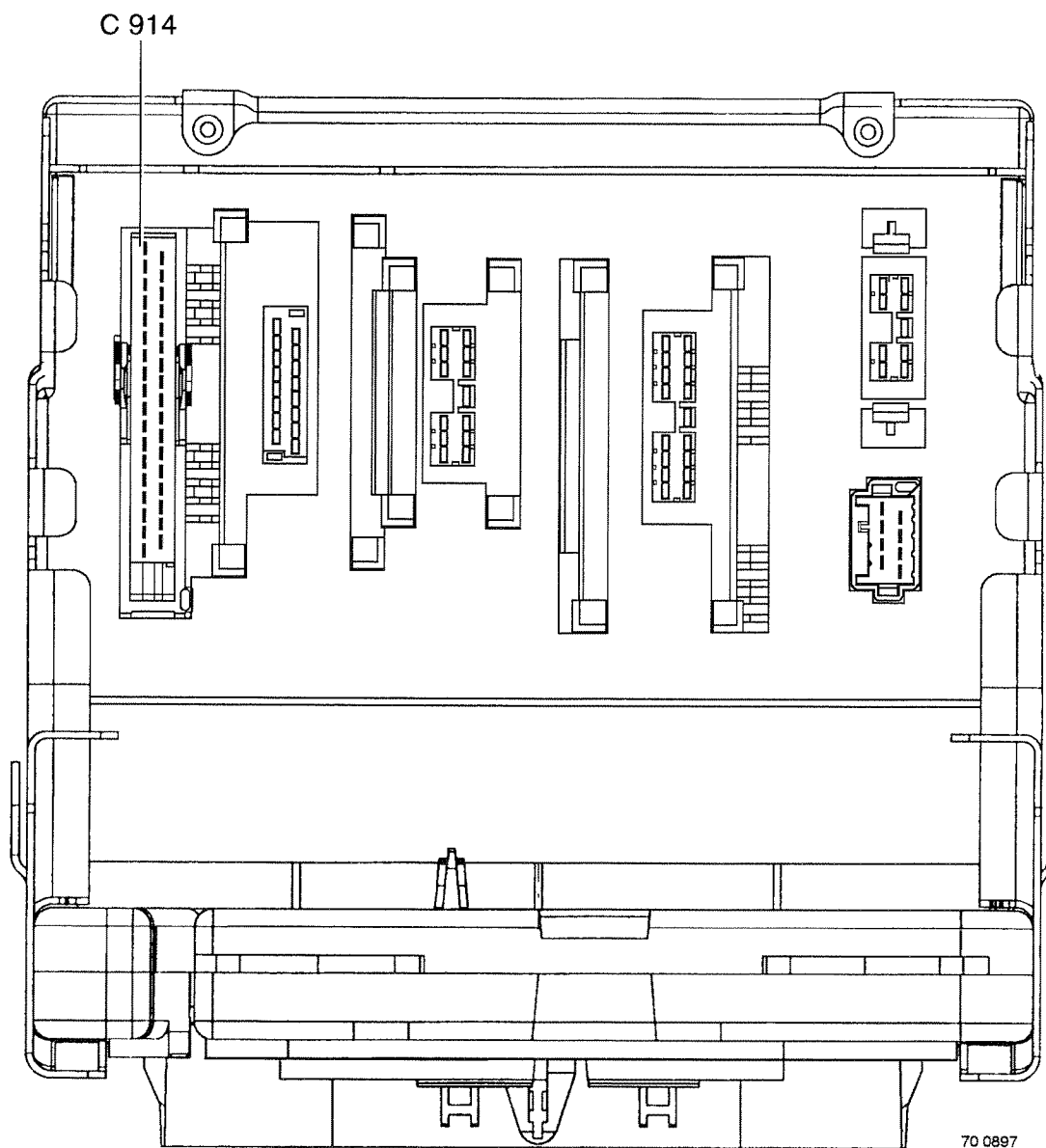


70 0896B

Face B connectors

Fuses see detail page D2, D3, D4

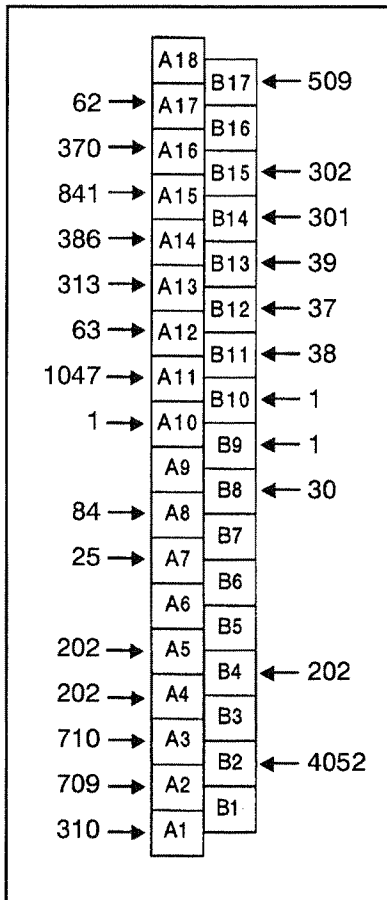
Relays see detail page D6



70 0897

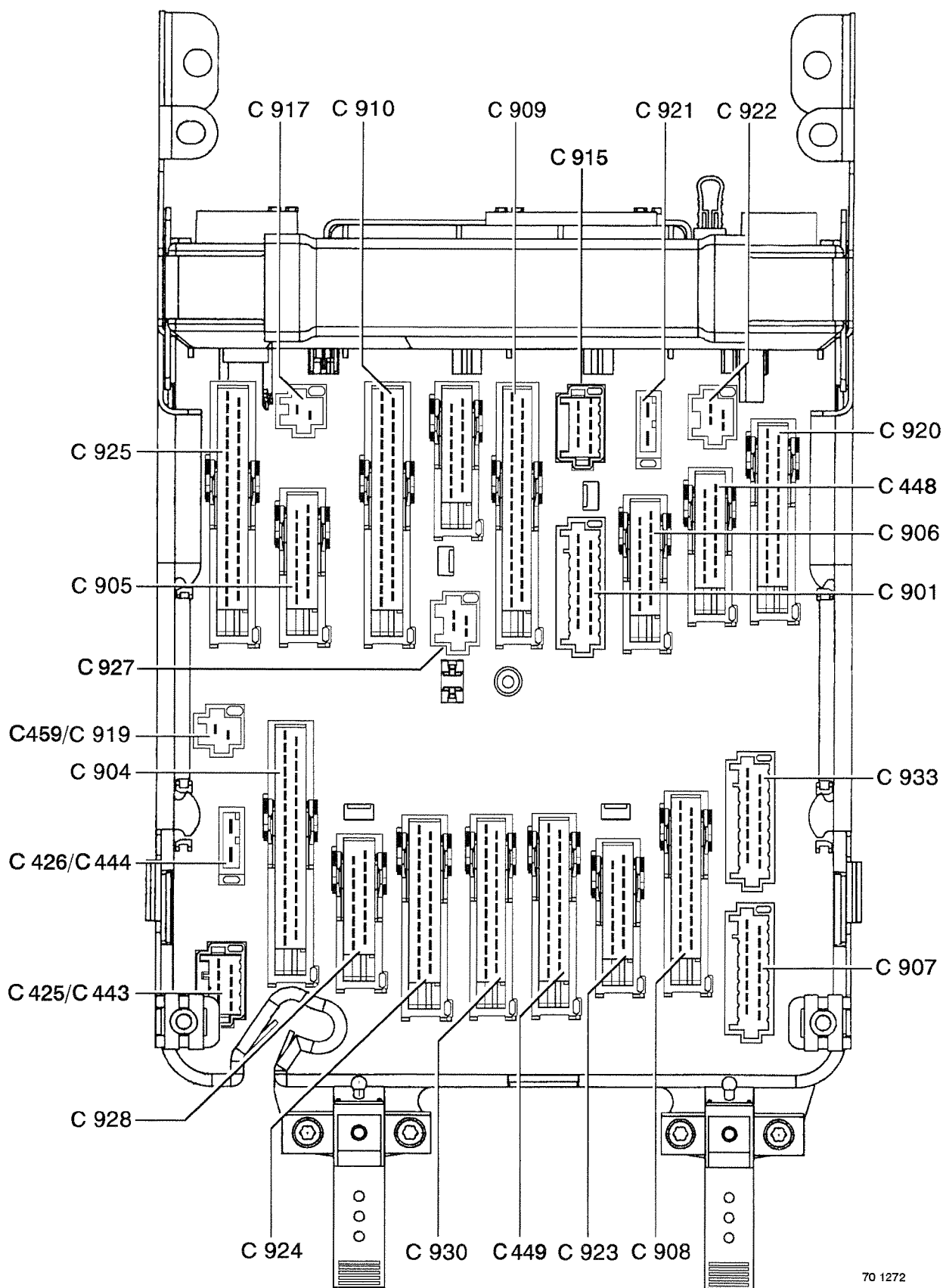
Face A connectors

Number	Assignment	Colour	Number of ways
C 914	Dashboard (basic) wiring harness	Bu	35



C914

70 1271



70 1272

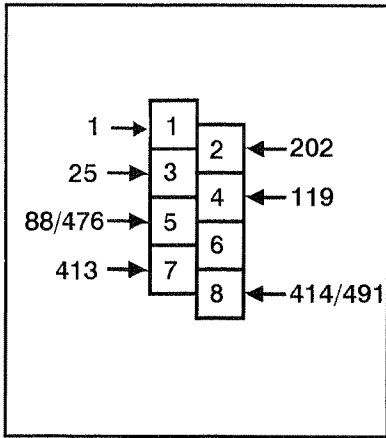
Face D connectors

Face D connectors

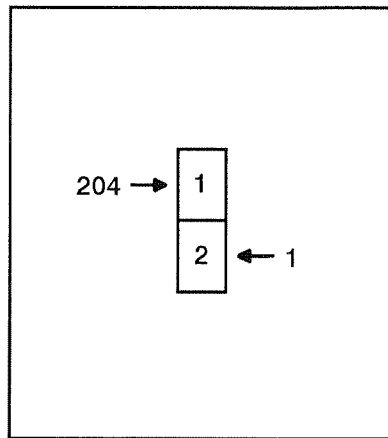
Number	Assignment	Colour	Number of ways
C 425 / C 443	Independent heater	J	8
C 426 / C 444	Independent heater	M	2
C 448	Electronic air suspension	Bc	16
C 449	Electronic air suspension	Bc	25
C 901	Diagnostics socket	M	16
C 904	"EECU" electronic fuel-injection system	Ve	35
C 905	Tachograph	J	16
C 906	Dashboard (option 1)	Bu	16
C 907	Upper ledge (basic)	Ve	16
C 908	Upper ledge (option 1)	R	25
C 909	Dashboard (option 2)	J	35
C 910	Secondary display	R	35
C 911	Copilote	Ve	16
C 917	Available power supply (earth and + 24V)	G	2
C 919 / C 459	Heated seats (driver / passenger)	Bc	2
C 920	"ABS" equipment	Ve	25
C 921	Available power supply (earth and + 24V)	G	2
C 922	Electronic air suspension remote control	J	4
C 923	Rear "ABS/ASR" equipment	M	16
C 924	"EECU" electronic fuel-injection system	Bu	25
C 925	Fan coil heaters / Cigar lighter / Anti-theft control	Bc	35
C 927	Cruise control	Bc	4
C 928	Front "ABS/ASR" equipment	R	16
C 930	Hydraulic retarder	J	25
C 933	Upper ledge (option 2)	G	16

Connectors interface D / C

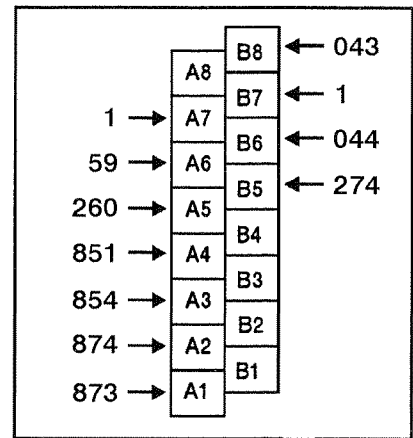
Interface	Assignment	Colour	Number of ways
C 449 / C 815	Electronic air suspension	Bc	25
C 924 / C 817	Electronic fuel-injection system	Bu	25
C 923 / C 816	Rear "ABS/ASR" equipment	M	16
C 930 / C 819	Hydraulic retarder	J	25
C 928 / C 818	Front "ABS/ASR" equipment	R	16



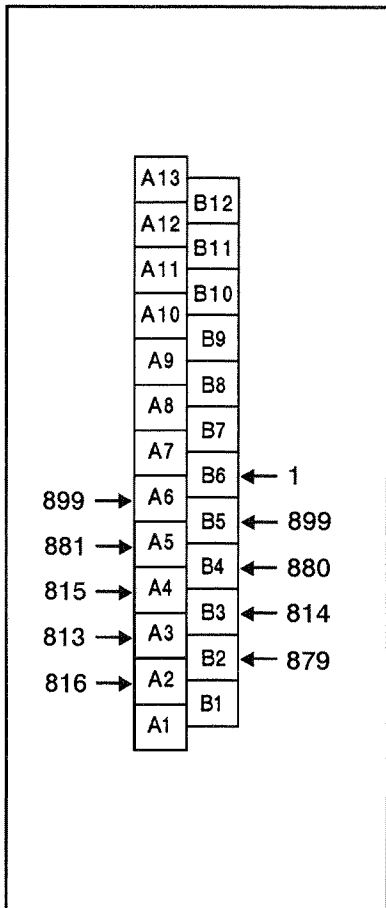
C425/C443



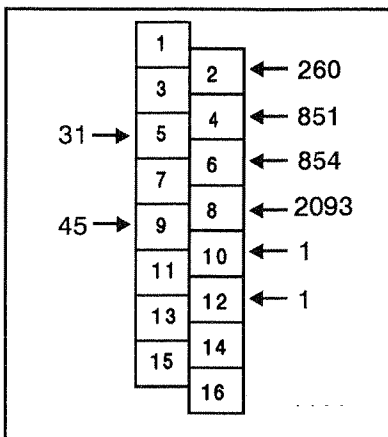
C426/C444



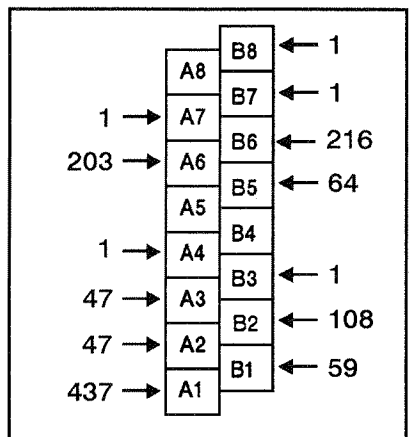
C448



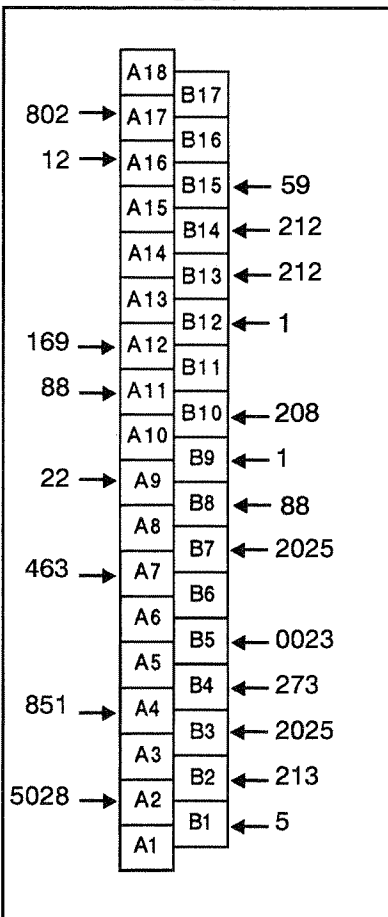
C449



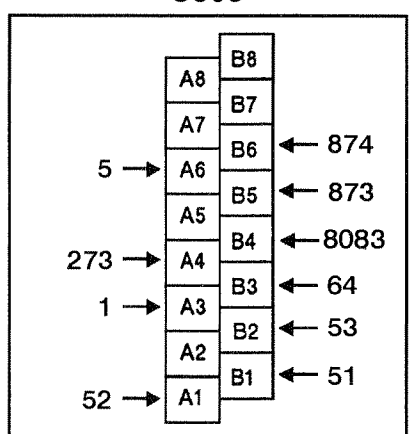
C901



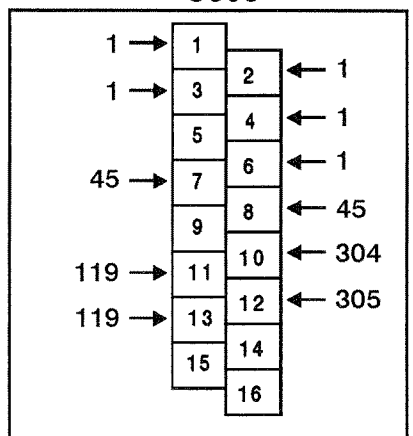
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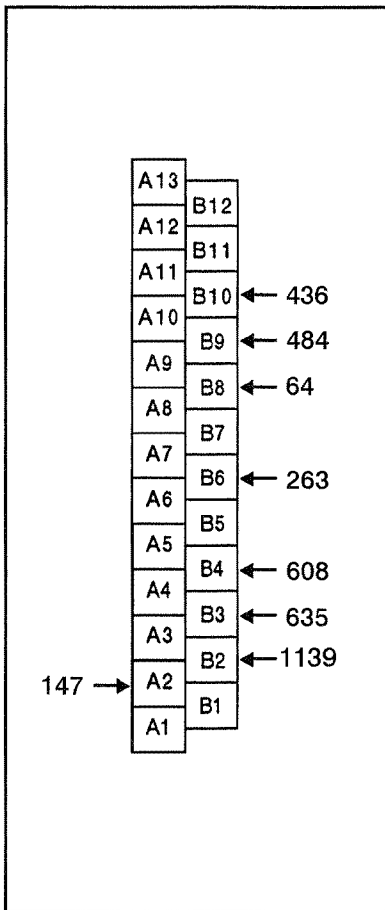
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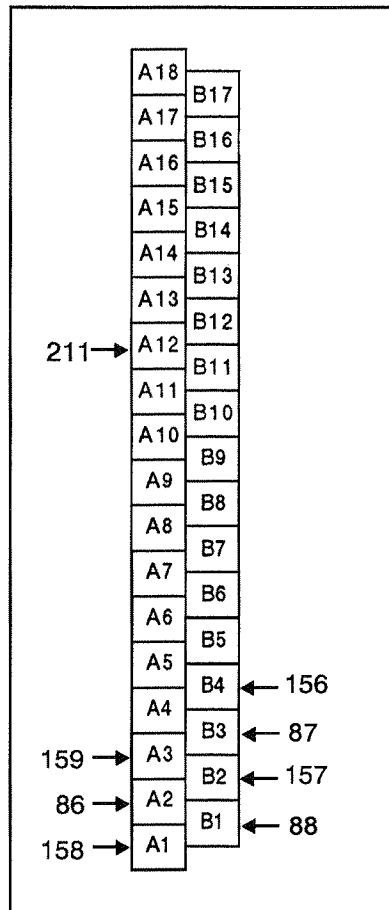
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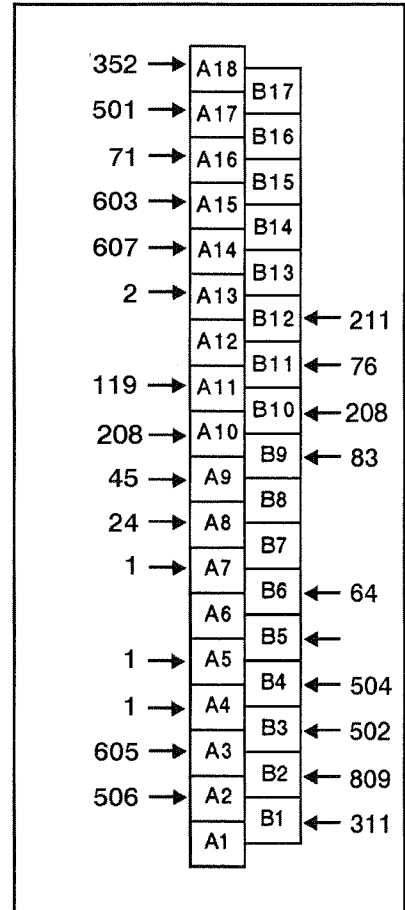
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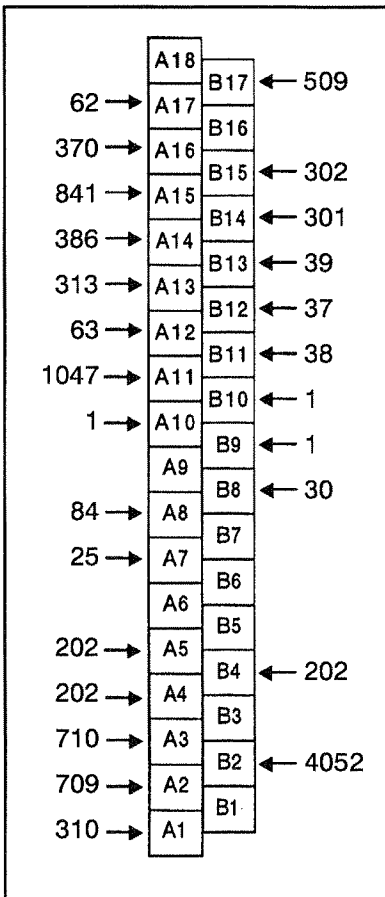
C908



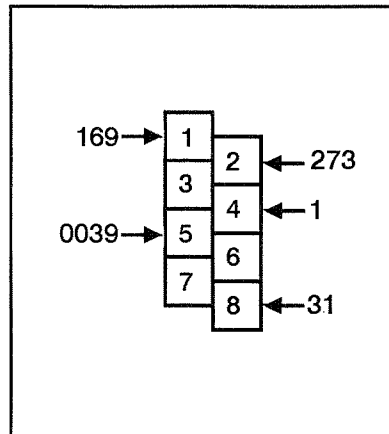
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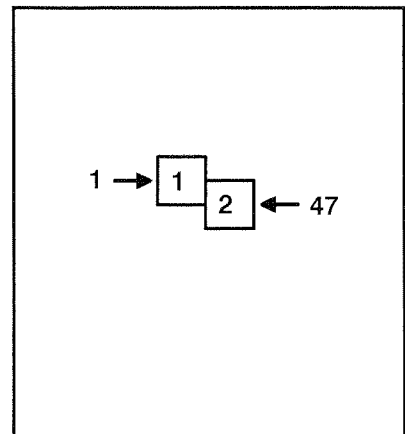
C910



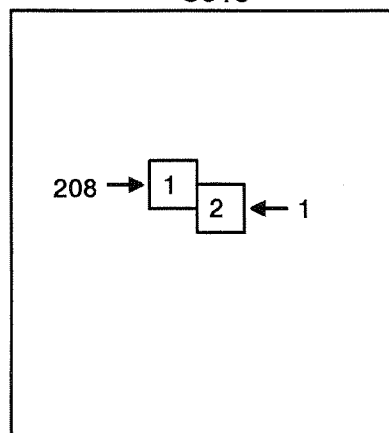
C914



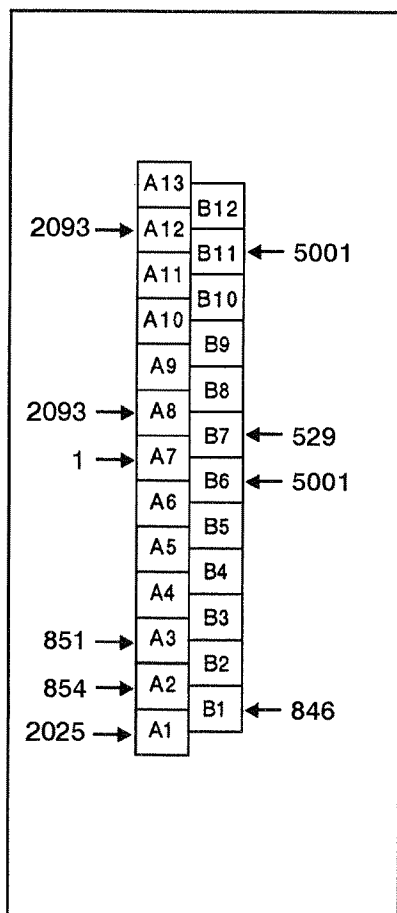
C915



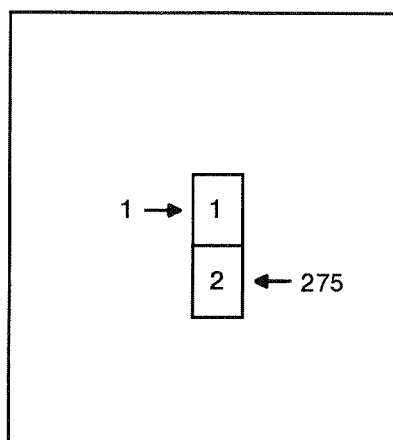
C919/C459



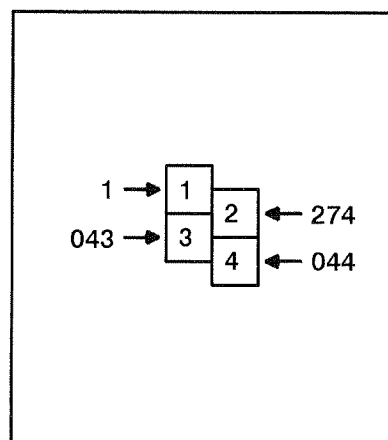
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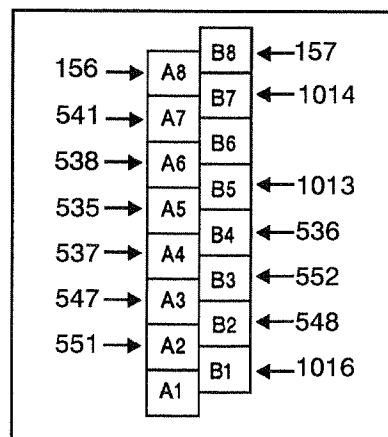
C920



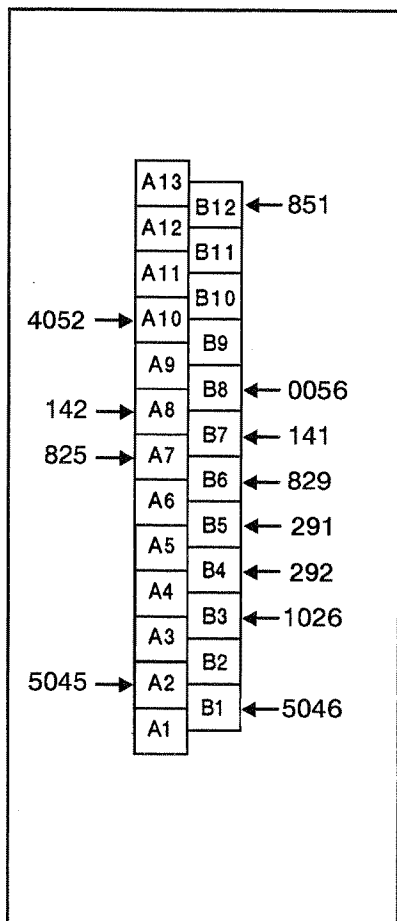
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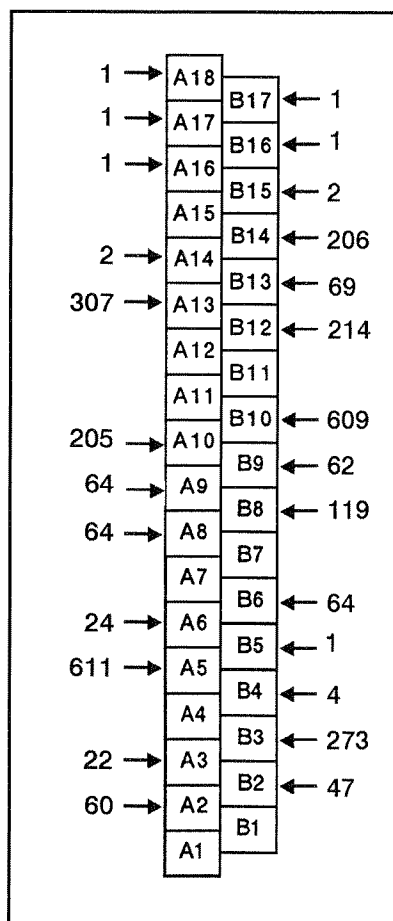
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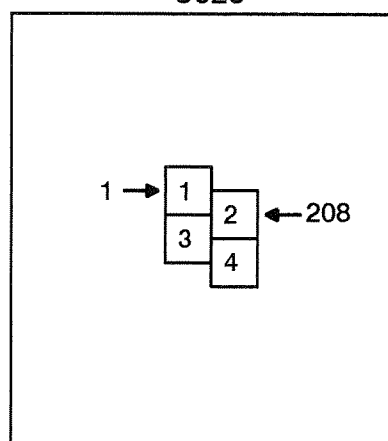
C923



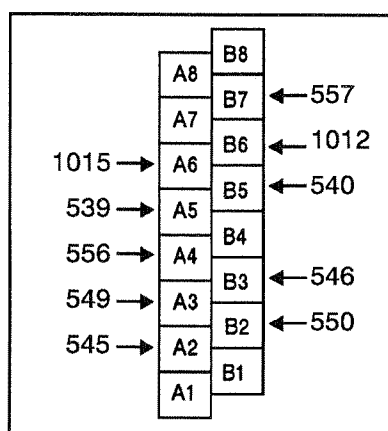
C924



C925

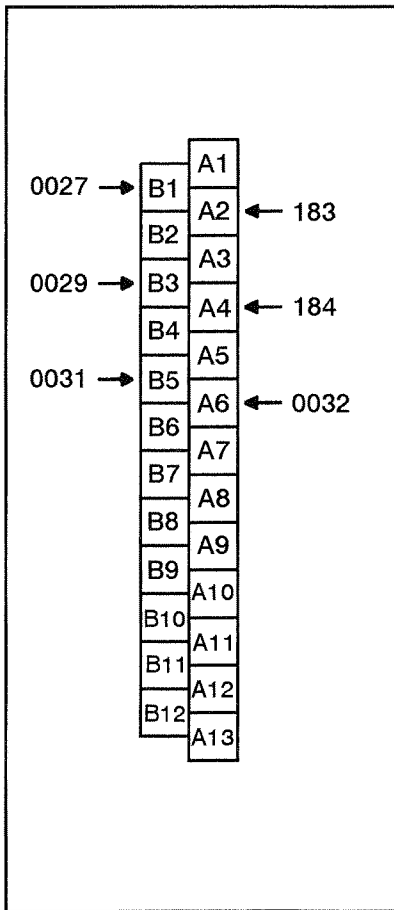


C927

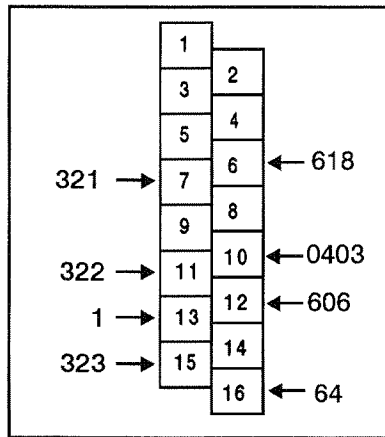


C928

70 1275

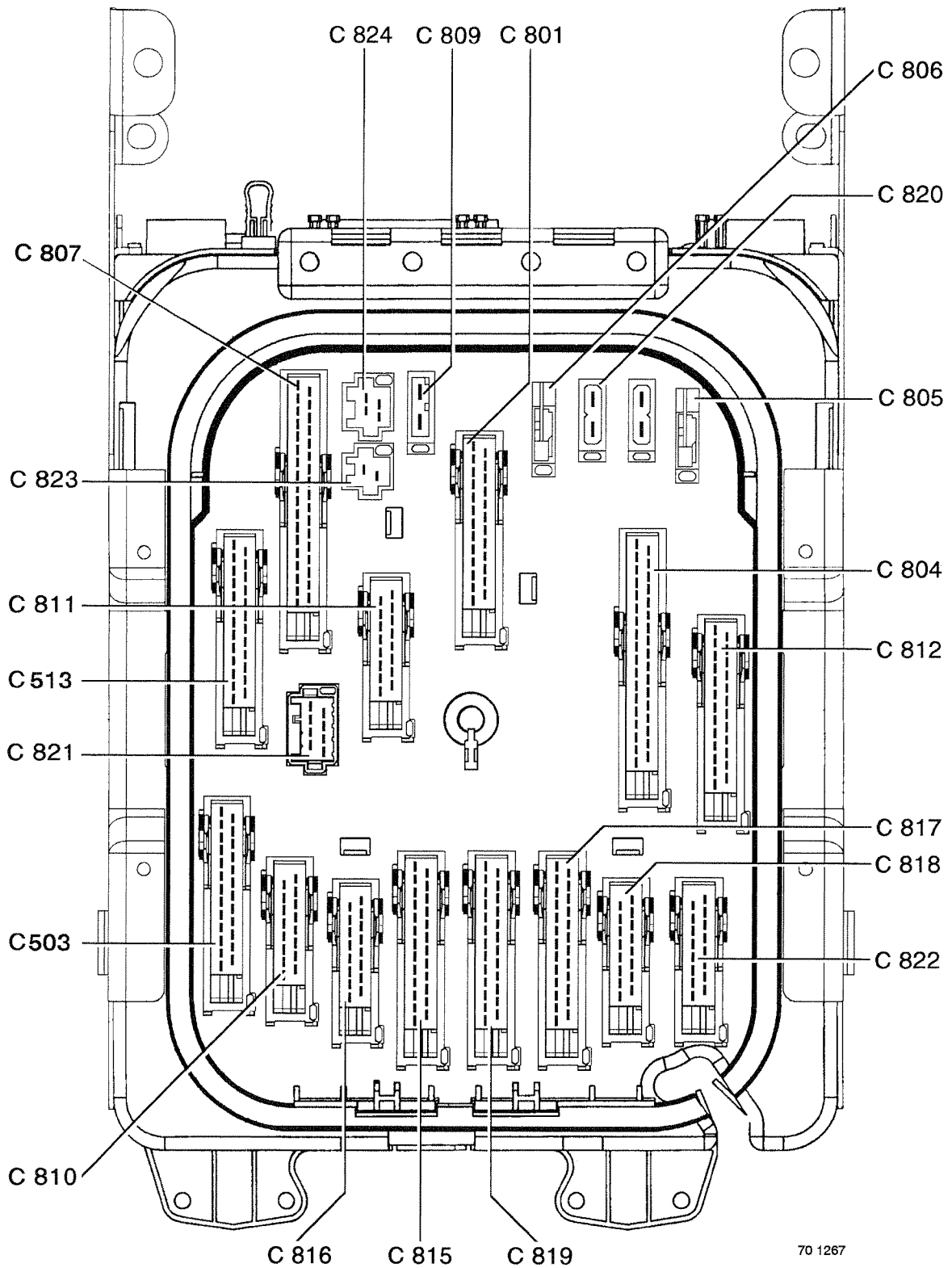


C930



C933

70 1276



70 1267

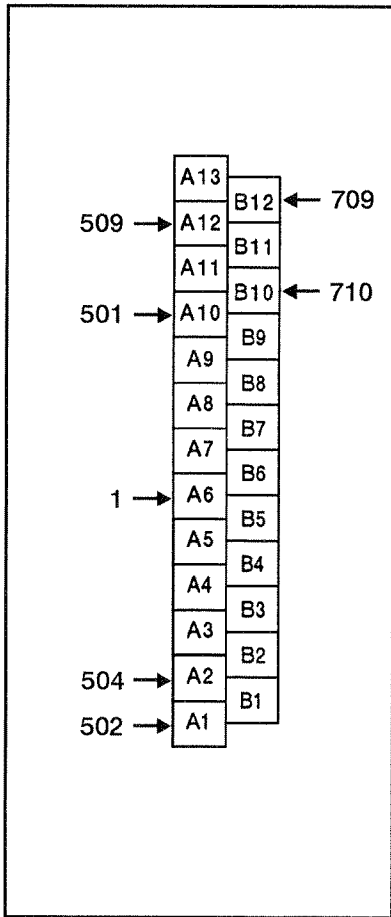
Face C connectors

Face C connectors

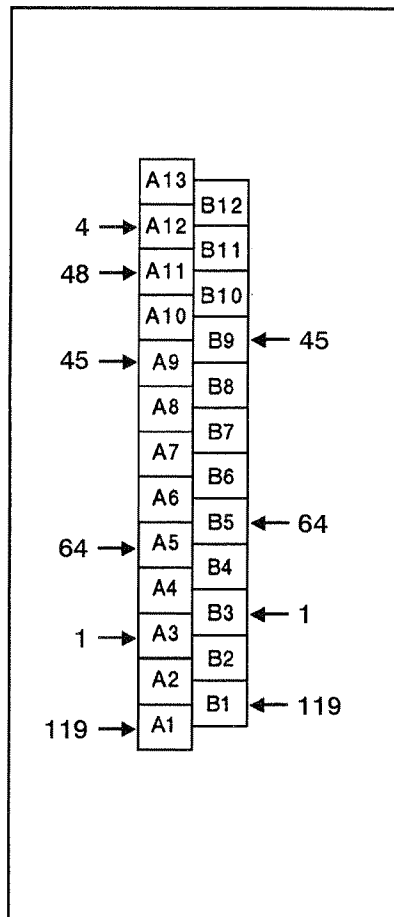
Number	Assignment	Colour	Number of ways
C 503	Front grille	R	25
C 513	Doors	Ve	25
C 801	Power supplies and auxiliary equipment	R	25
C 804	Power unit	Ve	35
C 805	Earth power supply	M	2
C 806	+ 24V power supply	N	2
C 807	Electronic box information	Bc	35
C 809	Trailer socket	G	2
C 810	Rear signalling / lighting	Ve	16
C 811	Trailer socket	Bc	16
C 812	Front signalling / lighting	M	25
C 815	Electronic air suspension	Bc	25
C 816	Rear "ABS/ASR" equipment	M	16
C 817	"EECU" electronic fuel-injection system	Bu	25
C 818	Front "ABS/ASR" equipment	R	16
C 819	Hydraulic retarder	J	25
C 820	Power unit	Bc	2
C 821	Electric retarder relay box	J	8
C 822	Independent heater	J	16
C 823	Available power supply (earth)	G	2
C 824	Brake pads wear contact	Bc	2

Connectors interface C / D

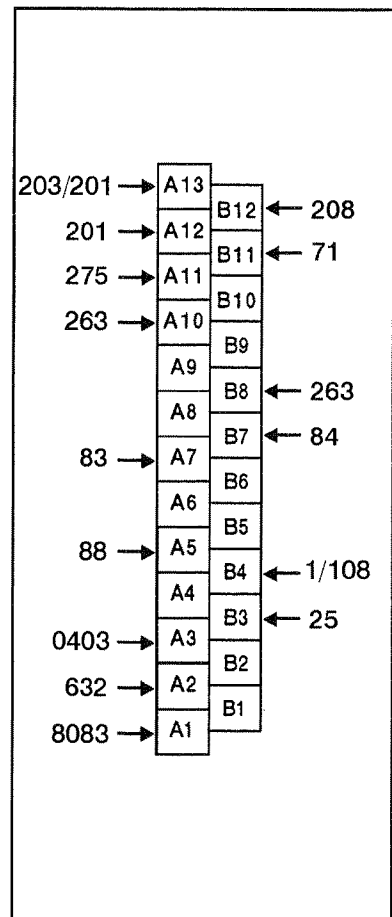
Interface	Assignment	Colour	Number of ways
C 815 / C 449	Electronic air suspension	Bc	25
C 816 / C 923	Rear "ABS/ASR" equipment	M	16
C 817 / C 924	Electronic fuel-injection system	Bu	25
C 818 / C 928	Front "ABS/ASR" equipment	R	16
C 819 / C 930	Hydraulic retarder	J	25



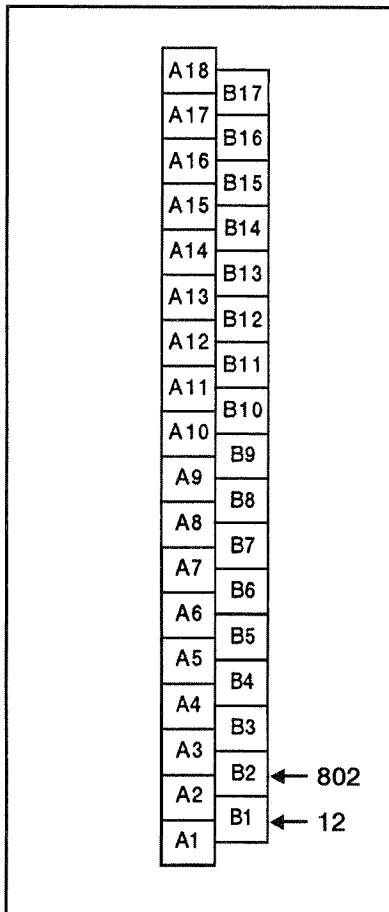
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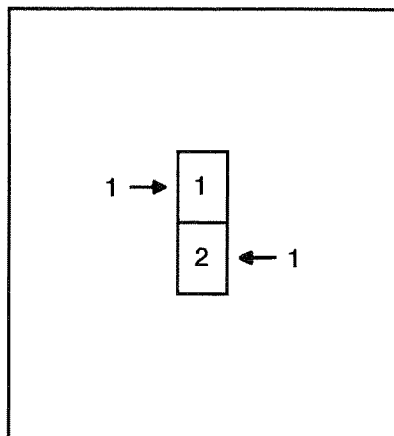
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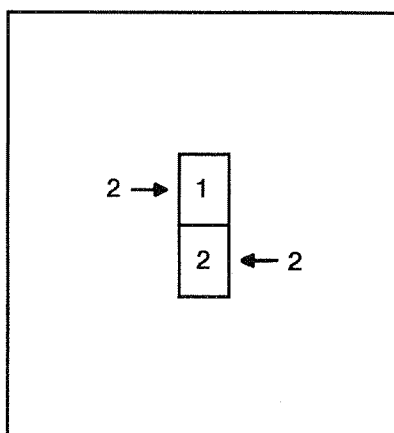
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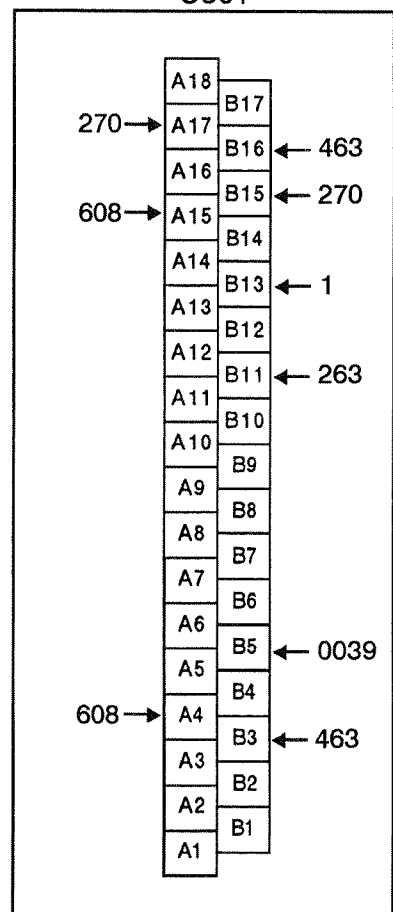
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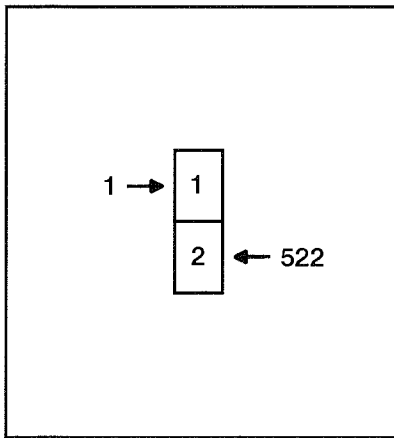
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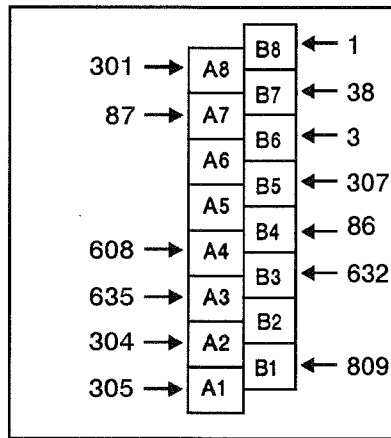
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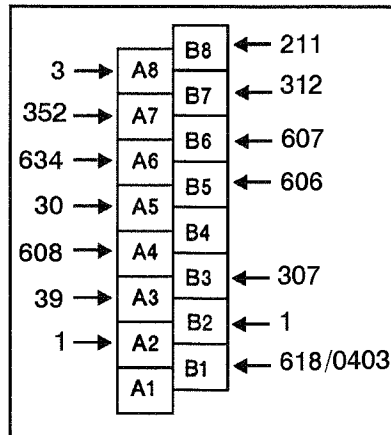
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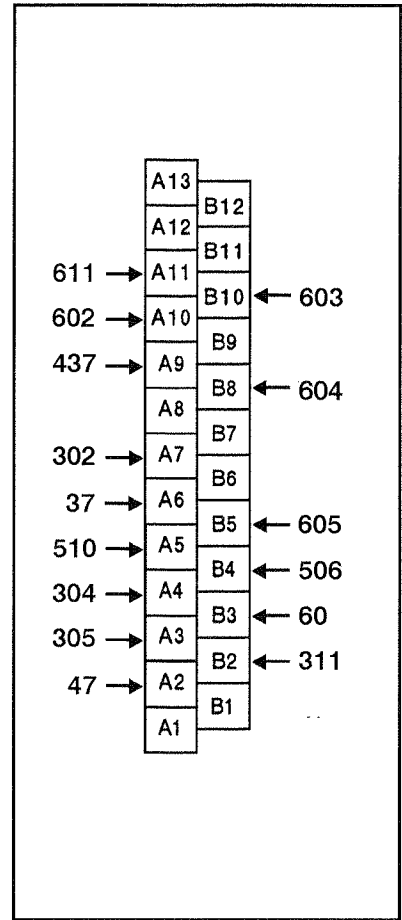
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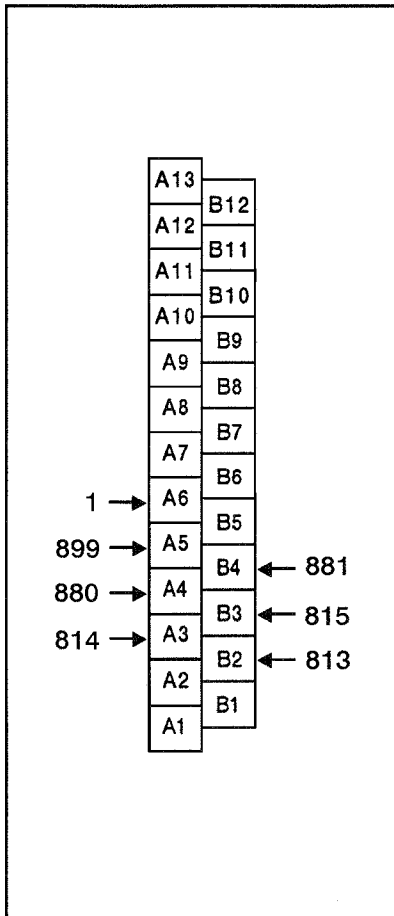
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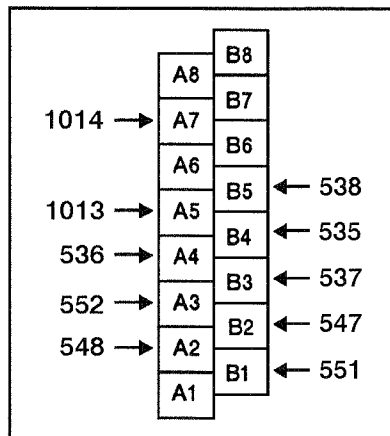
C811



C812

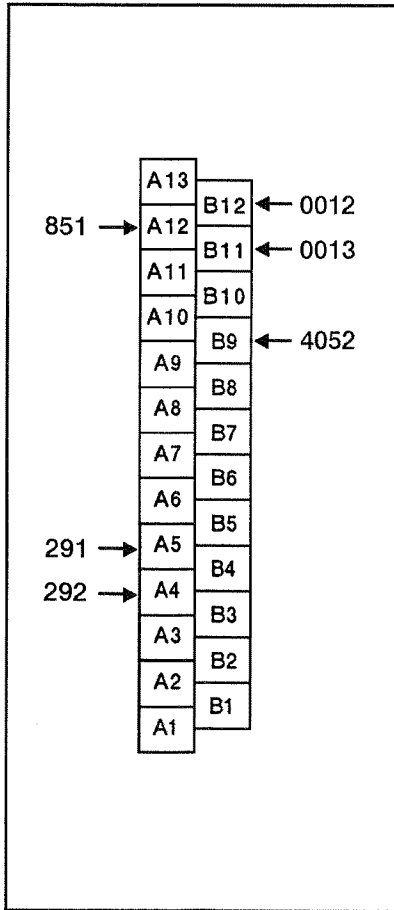


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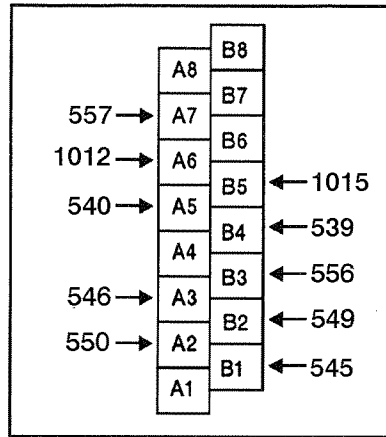


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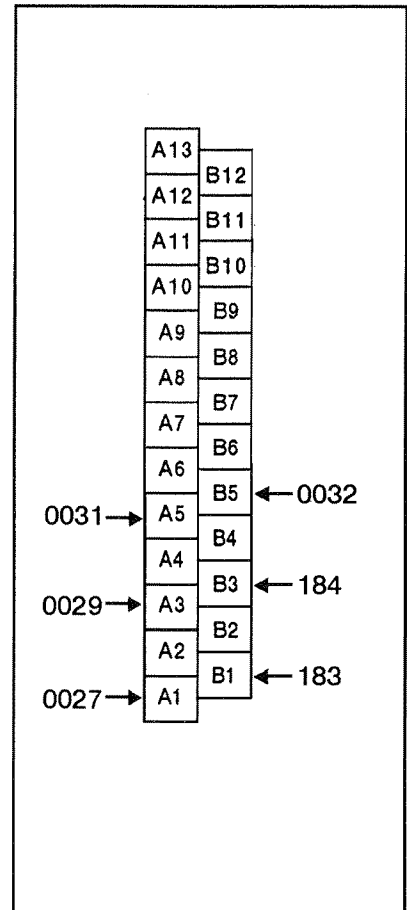
70 12169



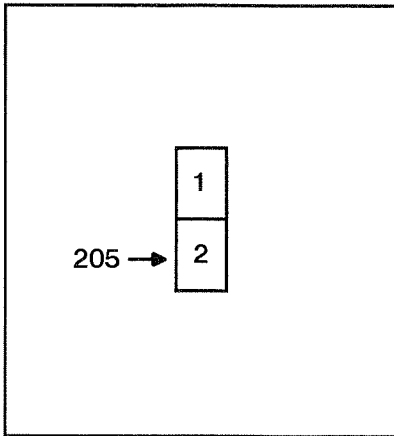
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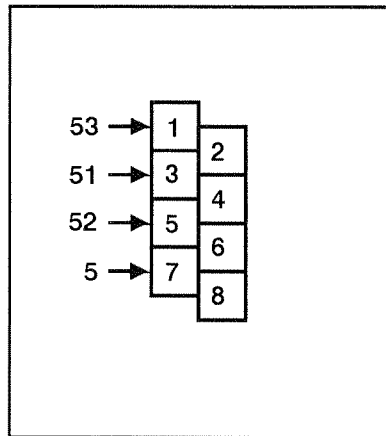
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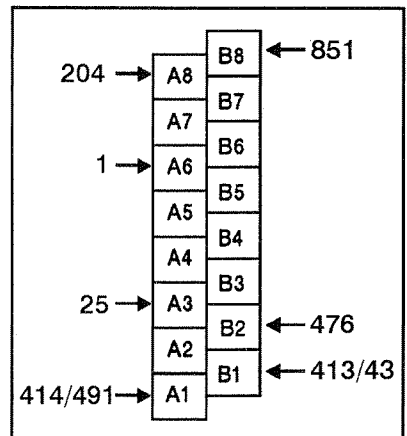
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C820

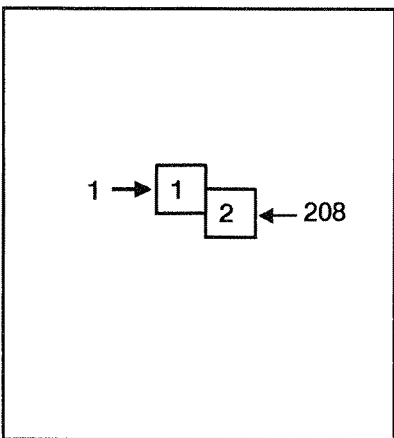


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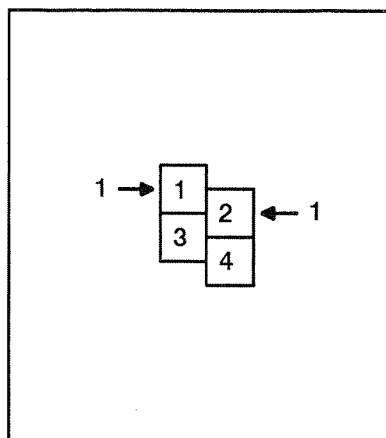


C822

70 1270



C823



C824

WIRES – CONNECTORS LINKS

Wire N°	Connectors	
	Terminal	Number
1	1	425 / 443
1	2	426 / 444
1	A7	448
1	B7	448
1	A9	449
1	B6	449
1	1	459 / 919
1	A6	503
1	A3	513
1	B3	513
1	B4	801
1	1	805
1	2	805
1	B13	807
1	1	809
1	B8	810
1	A2	811
1	B2	811
1	A6	815
1	A6	822
1	1	823
1	1	824
1	2	824
1	10	901
1	12	901
1	B9	904
1	B12	904
1	A4	905
1	A7	905
1	B3	905
1	B7	905
1	B8	905
1	A3	906
1	1	907
1	3	907
1	4	907
1	6	907
1	A4	910
1	A5	910
1	A7	910
1	A10	914
1	B9	914

Wire N°	Connectors	
	Terminal	Number
1	B10	914
1	4	915
1	2	917
1	1	919 / 459
1	A7	920
1	1	921
1	1	922
1	A16	925
1	A17	925
1	A18	925
1	B5	925
1	B16	925
1	B17	925
1	3	927
1	13	933
2	1	806
2	2	806
2	A13	910
2	A14	925
2	B15	925
3	B6	810
3	A8	811
4	A12	513
4	B4	925
5	7	821
5	B1	904
5	A6	906
12	B1	804
12	A16	904
22	A9	904
22	A3	925
24	A8	910
24	A6	925
25	3	425 / 443
25	B3	801
25	A3	822
25	A7	914
30	A5	811
30	B8	914
31	5	901
31	8	915
37	A6	812

Wire N°	Connectors	
	Terminal	Number
37	B12	914
38	B7	810
38	B11	914
39	A3	811
39	B13	914
43	B1	822
45	A9	513
45	B9	513
45	9	901
45	7	907
45	8	907
45	A9	910
47	A2	812
47	A2	905
47	A3	905
47	2	919 / 459
47	B2	925
48	A11	513
51	3	821
51	B1	906
52	5	821
52	A1	906
53	1	821
53	B2	906
59	A6	448
59	B15	904
59	B1	905
60	B3	812
60	A2	925
62	A17	914
62	B9	925
63	A12	914
64	A5	813
64	B5	813
64	B5	905
64	B3	906
64	B8	908
64	B6	910
64	A9	925
64	B6	925
64	A8	925
64	16	933

Wire N°	Connectors	
	Terminal	Number
69	B13	925
71	B11	801
71	A16	910
76	B11	910
83	A7	801
83	B9	910
84	B7	801
84	A8	914
86	B4	810
86	A2	909
87	A7	810
87	B3	909
88	5	425 / 443
88	A5	801
88	A11	904
88	B8	904
88	B1	909
108	B4	801
108	B2	905
119	4	425 / 443
119	A1	513
119	B1	513
119	11	907
119	13	907
119	A11	910
119	B8	925
141	B7	924
142	A8	924
147	A2	908
156	B4	909
156	A8	923
157	B2	909
157	B8	923
158	A1	909
159	A3	909
169	A12	904
169	1	915
183	B1	819
183	A2	930
184	B3	819
184	A4	930
201	A11	801

Wire N°	Connectors	
	Terminal	Number
201	A12	801
202	2	425 / 443
202	A4	914
202	A5	914
202	B4	914
203	A13	801
203	A6	905
204	1	426 / 444
204	A8	822
205	2	820
205	A10	925
206	B14	925
208	B12	801
208	2	823
208	B10	904
208	A10	910
208	B10	910
208	1	917
208	2	927
211	B8	811
211	A12	909
211	B12	910
212	B13	904
212	B14	904
213	B2	904
214	B12	925
216	B6	905
260	2	901
260	A5	902
263	A10	801
263	B8	801
263	B6	908
270	A17	807
270	B15	807
273	B4	904
273	A4	906
273	2	915
273	B3	925
274	B5	448
274	2	922
275	A11	801
275	2	921

Wire N°	Connectors	
	Terminal	Number
291	A5	817
291	B5	924
292	A4	817
292	B4	924
301	A8	810
301	B14	914
302	A7	812
302	B15	914
304	A2	810
304	A4	812
304	10	907
305	A1	810
305	A3	812
305	12	907
307	B5	810
307	B3	811
307	A13	925
310	A1	914
311	B2	812
311	B1	910
312	B7	811
313	A13	914
321	7	933
322	11	933
323	15	933
352	A7	811
352	A18	910
370	A16	914
386	A14	914
413	7	425 / 443
413	B1	822
414	8	425 / 443
414	A1	822
436	B10	908
437	A9	812
437	A1	905
463	B3	807
463	B16	807
463	A7	904
476	5	425 / 443
476	B2	822
484	B9	908

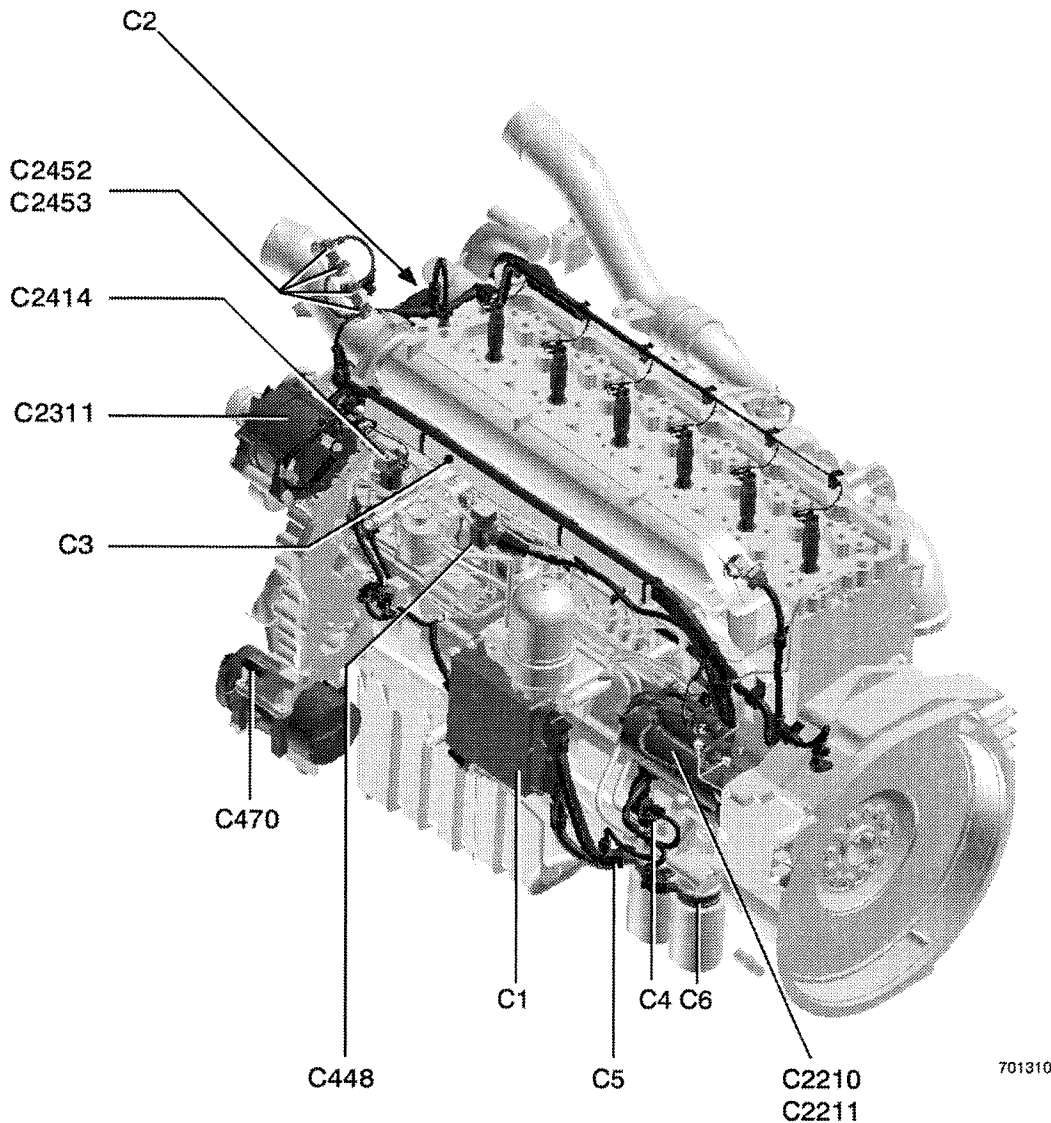
Wire N°	Connectors	
	Terminal	Number
491	8	425 / 443
491	A1	822
501	A10	503
501	A17	910
502	A1	503
502	B3	910
504	A2	503
504	B4	910
506	B4	812
506	A2	910
509	A12	803
509	B17	914
510	A5	812
522	2	809
529	B7	920
535	B4	816
535	A5	923
536	A4	816
536	B4	923
537	B3	816
537	A4	923
538	B5	816
538	A6	923
539	B4	818
539	A5	928
540	A5	818
540	B5	928
541	A7	923
545	B1	818
545	A2	928
546	A3	818
546	B3	928
547	B2	816
547	A3	923
548	A2	816
548	B2	923
549	B2	818
549	A3	928
550	A2	818
550	B2	928
551	B1	816
551	A2	923

Wire N°	Connectors	
	Terminal	Number
552	A3	816
552	B3	923
556	B3	818
556	A4	928
557	A7	818
557	B7	928
602	A10	812
603	B10	812
603	A15	910
604	B8	812
605	B5	812
605	A3	910
606	B5	811
606	12	933
607	B6	811
607	A14	910
608	A4	807
608	A15	807
608	A4	810
608	A4	811
608	B4	908
609	B10	925
611	A11	812
611	A5	925
618	B1	811
618	6	933
632	A2	801
632	B3	810
634	A6	811
635	A3	810
635	B3	908
709	B12	503
709	A2	914
710	B10	503
710	A3	914
802	B2	804
802	A17	904
809	B1	810
809	B2	910
813	A3	449
813	B2	815

Wire N°	Connectors	
	Terminal	Number
814	B3	449
814	A3	815
815	A4	449
815	B3	815
816	A2	449
825	A7	924
829	B6	924
841	A15	914
846	B1	920
851	A4	448
851	A12	817
851	B8	822
851	4	901
851	A4	904
851	A3	920
851	B12	924
854	A3	448
854	6	901
854	A2	920
873	A1	448
873	B5	906
874	A2	448
874	B6	906
879	B2	449
880	B4	449
880	A4	815
881	A5	449
881	B4	815
899	A6	449
899	B5	449
899	A5	815
1012	A6	818
1012	B6	928
1013	A5	816
1013	B5	923
1014	A7	816
1014	B7	923
1015	B5	818
1015	A6	928
1016	B1	923
1026	B3	924
1047	A11	914

Wire N°	Connectors	
	Terminal	Number
1139	B2	908
2025	B3	904
2025	A1	920
2093	8	901
2093	A8	920
2093	A12	920
4052	B9	817
4052	B2	914
4052	A10	924
5001	B11	920
5001	B6	920
5028	A2	904
5045	A2	924
5046	B1	924
8083	B4	906
8083	A1	801
043	B8	448
043	3	922
044	B6	448
044	4	922
0012	B12	817
0013	B11	817
0023	B5	904
0027	A1	819
0027	B1	930
0029	A3	819
0029	B3	930
0031	A5	819
0031	B5	930
0032	B5	819
0032	B6	930
0039	B5	807
0039	5	915
0056	B8	924
0403	A3	801
0403	B1	811
0403	10	933

ENGINE WIRING HARNESSES



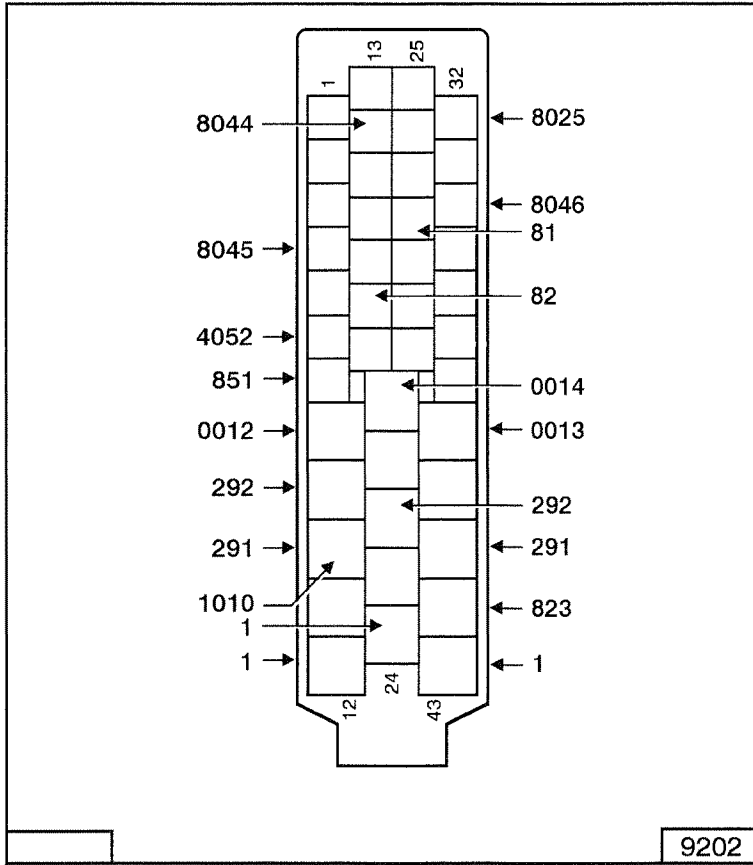
Engine wiring harnesses

Connectors

Assignments

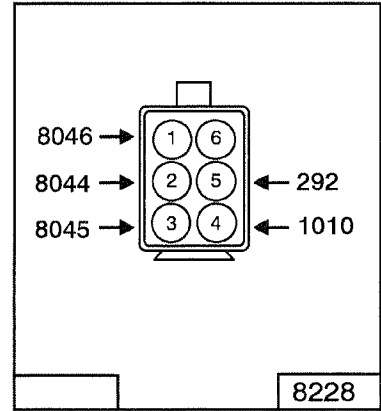
C1	9202 – Engine master ECU “EECU”
C2	8228 – Variable drive fan
C3	2266 – Engine stop control (cab tilted)
C4	2464 – Fuel preheater thermal switch
C5 – C6	2423 – Renault V.I. fuel preheater
C448	8150 – Exhaust brake electrovalve
C470	4512 – Air conditioning compressor
C820	1229 – Connection unit
C2311	2311 – Alternator
C2210	2210 – Starter with integrated relay
C2452	2452 – Preheating resistor N° 1
C2453	2453 – Preheating resistor N° 2

C804	1229 – Connection unit
C817	1229 – Connection unit
C819	1229 – Connection unit



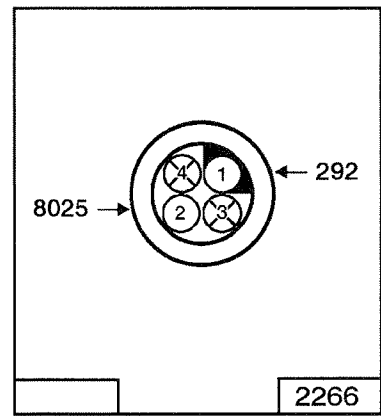
C1

9202



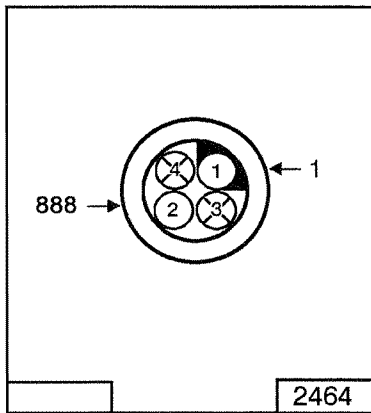
C2

8228



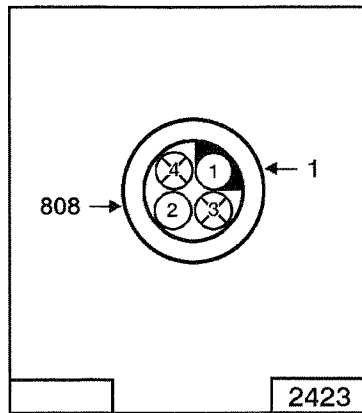
C3

2266



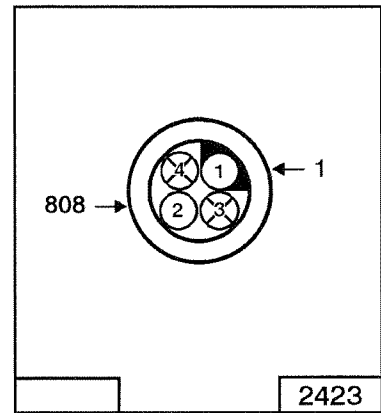
C4

2464



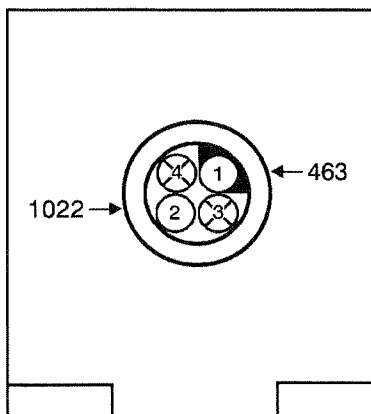
C5

2423

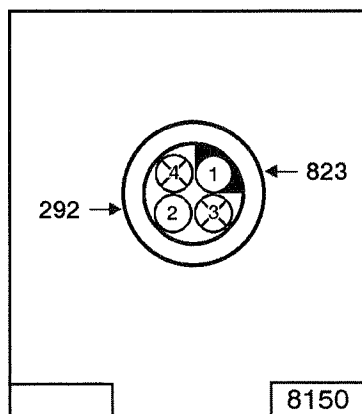


C6

2423

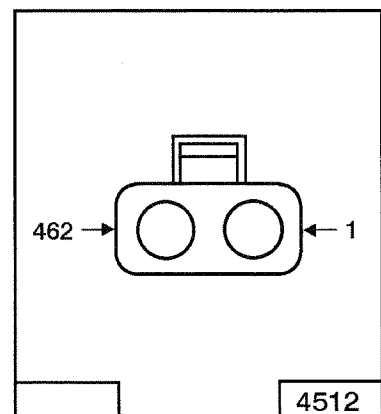


C7



C448

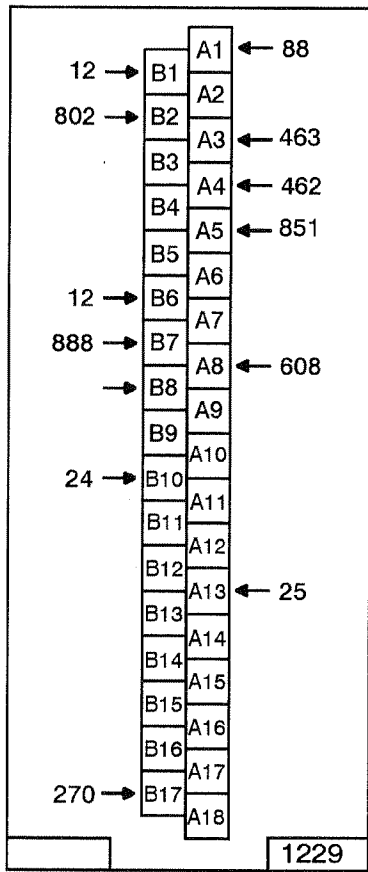
8150



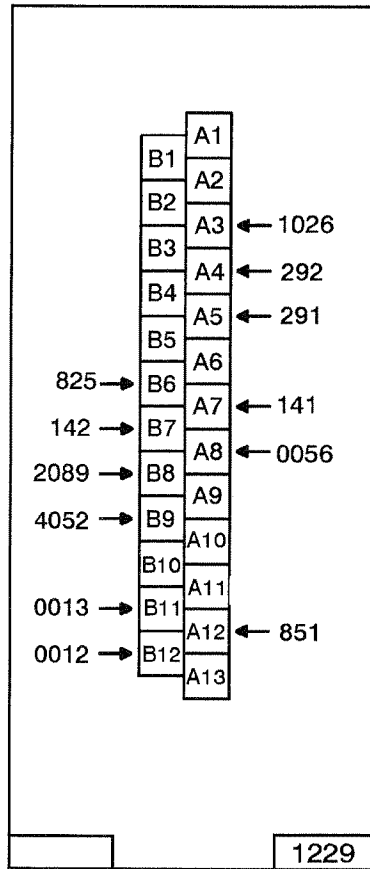
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4512

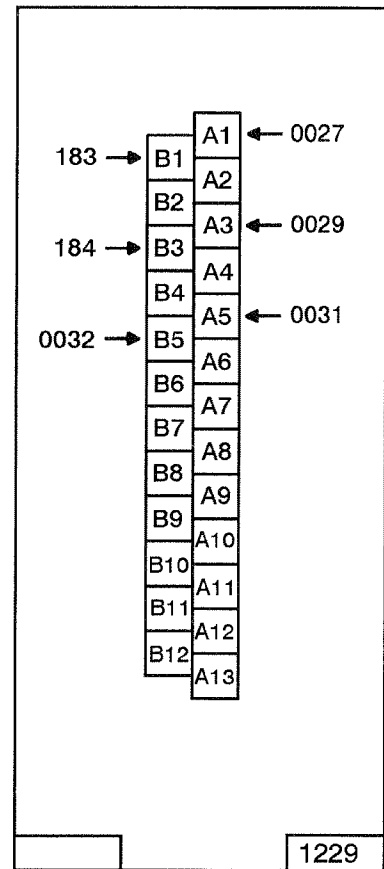
70 0919



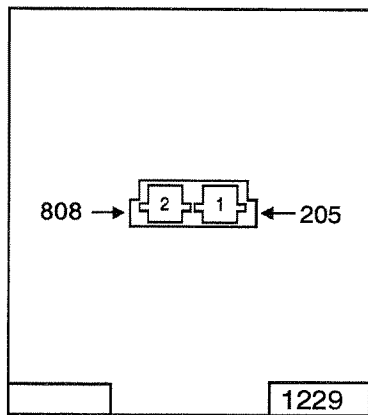
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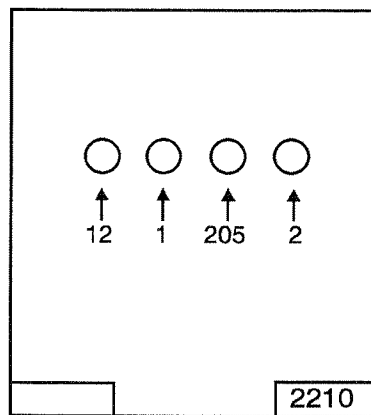
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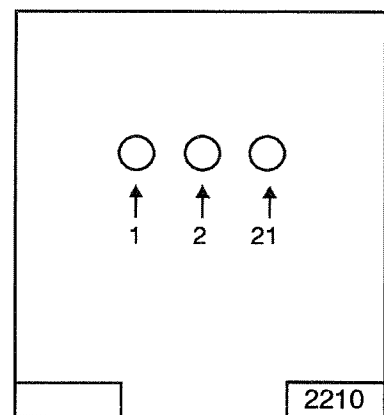
C819



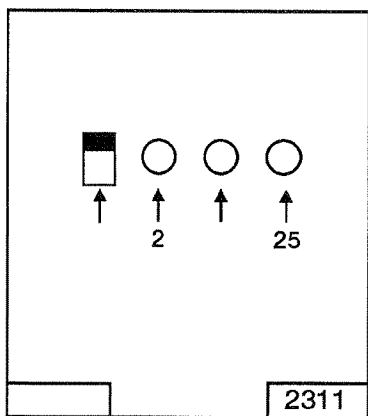
C820



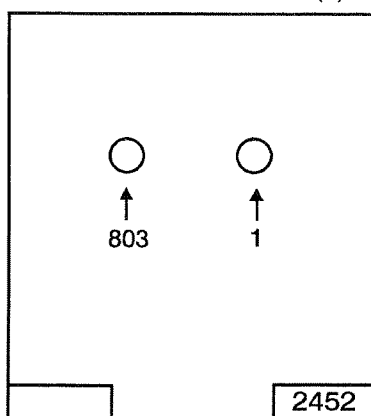
C2210 (1)



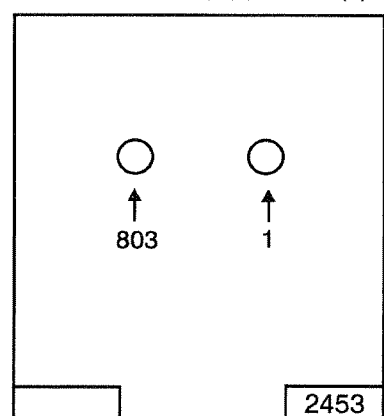
C2210 (2)



C2311



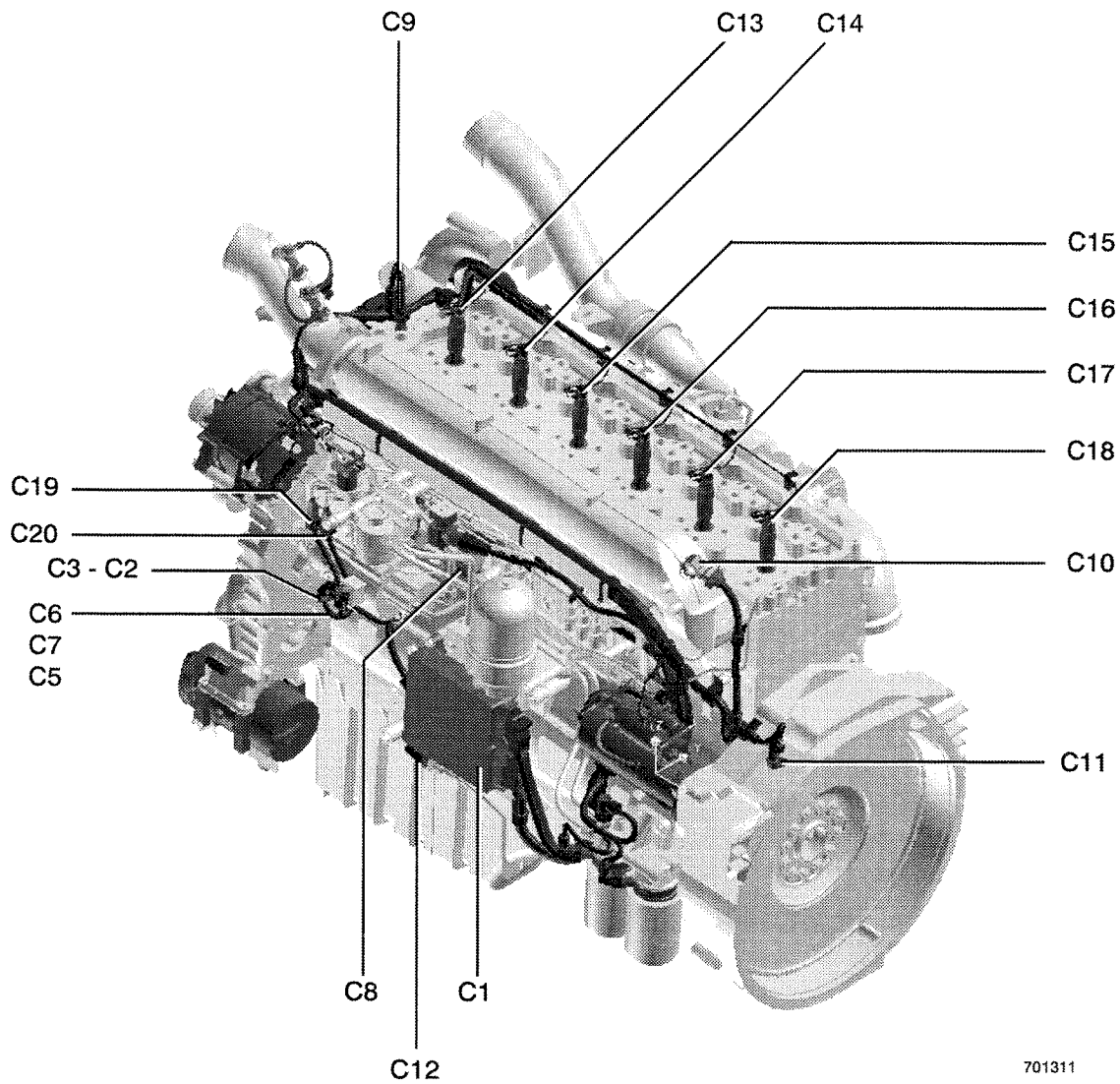
C2452



C2453

70 0291

FUEL-INJECTION ELECTRONIC MANAGEMENT WIRING HARNESSES



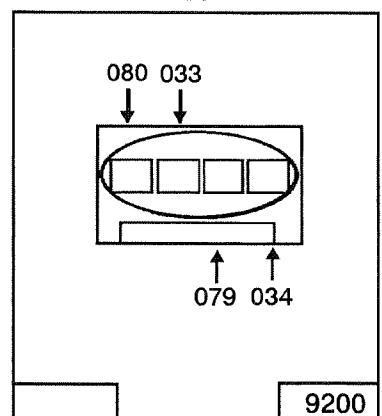
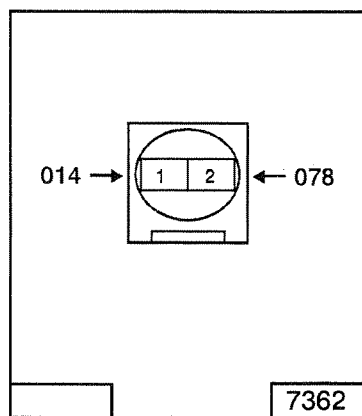
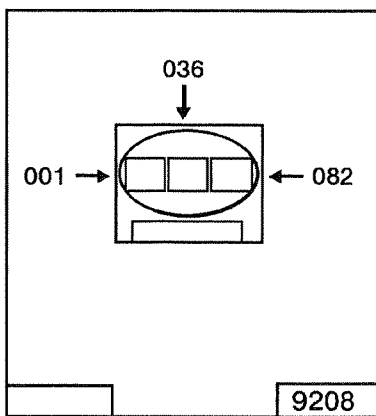
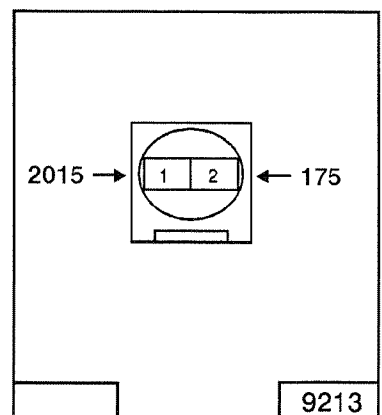
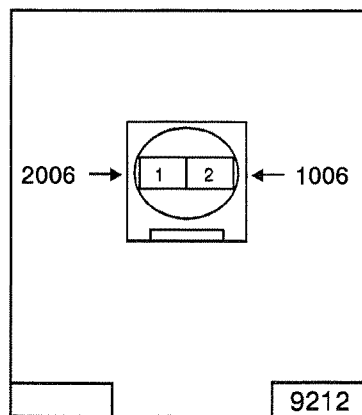
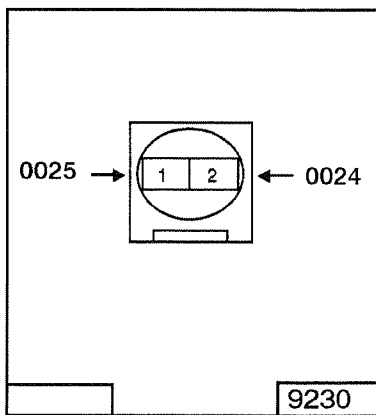
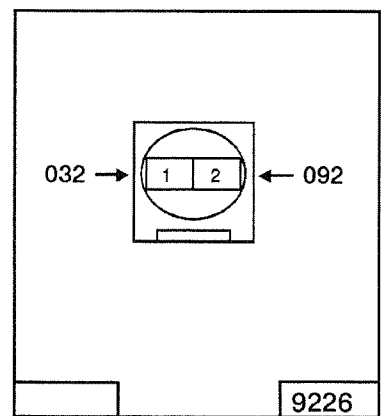
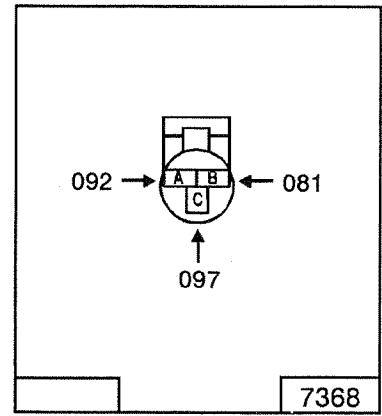
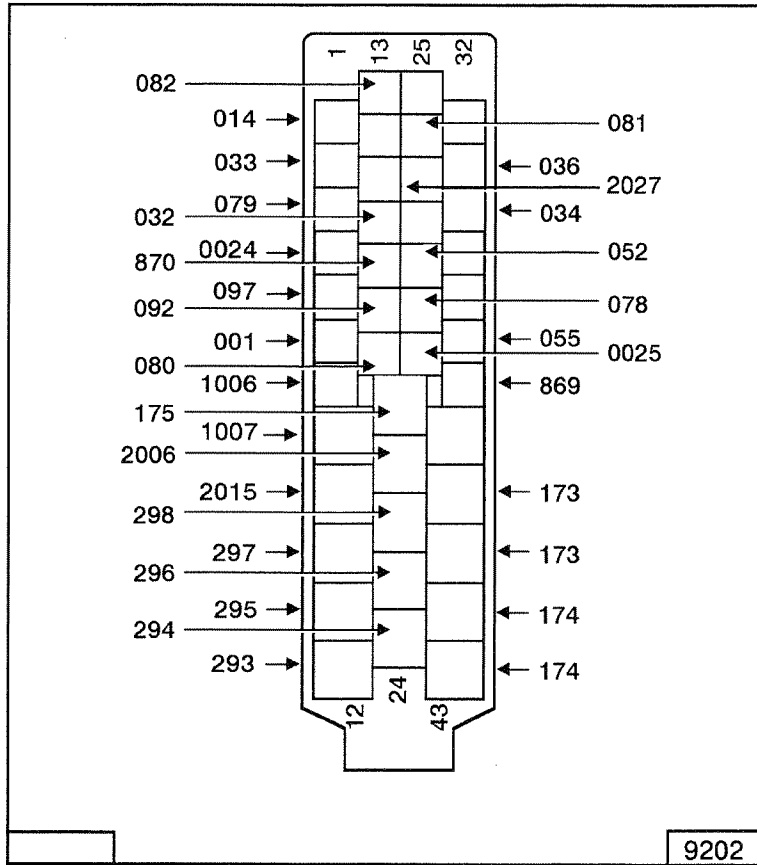
701311

Fuel-injection electronic management wiring harnesses

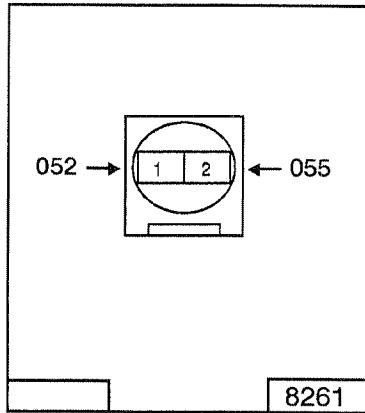
Connectors

Assignments

C1	9202 – Engine master ECU “EECU”
C2	7368 – Oil pressure sensor
C3	9226 – Engine oil temperature sensor
C5	9230 – Camshaft speed sensor
C6	9212 – Cylinder solenoid valve high pressure pump
C7	9213 – Cylinder solenoid valve high pressure pump
C8	9208 – Fuel high pressure sensor
C9	7362 – Coolant temperature sensor
C10	9200 – Boost air temperature and pressure sensor
C11	8261 – Engine speed sensor
C12	8275 – Engine oil level sensor
C13	9225 – Injection control solenoid valve N° 6
C14	9224 – Injection control solenoid valve N° 5
C16	9223 – Injection control solenoid valve N° 4
C16	9222 – Injection control solenoid valve N° 3
C17	9221 – Injection control solenoid valve N° 2
C18	9220 – Injection control solenoid valve N° 1
C19	7940 – Jake engine-brake solenoid valve N° 1
C20	7941 – Jake engine-brake solenoid valve N° 2

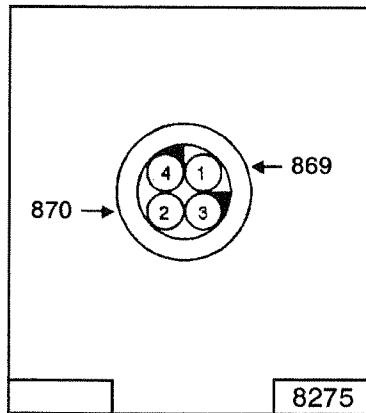


70 0922



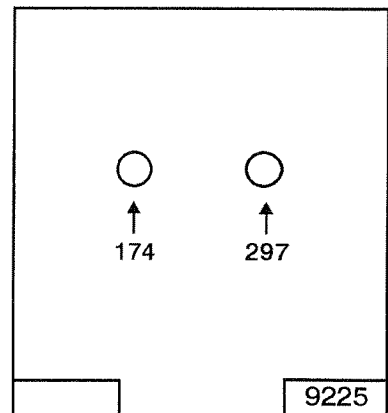
C11

8261



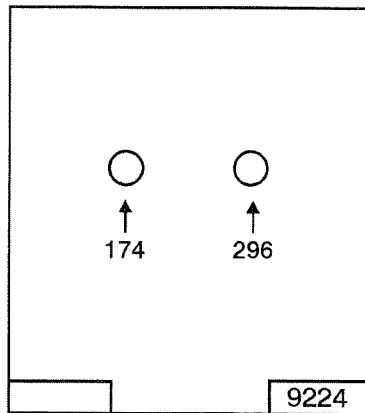
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8275



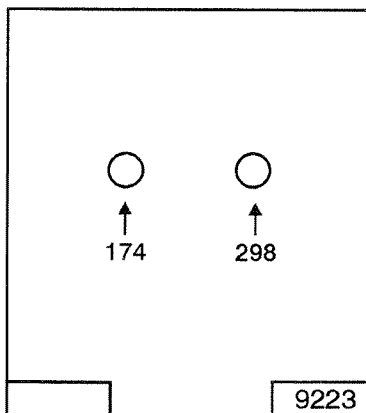
C13

9225



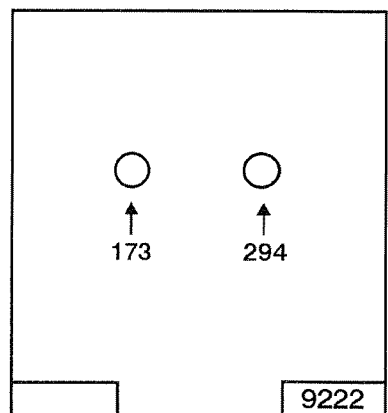
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9224



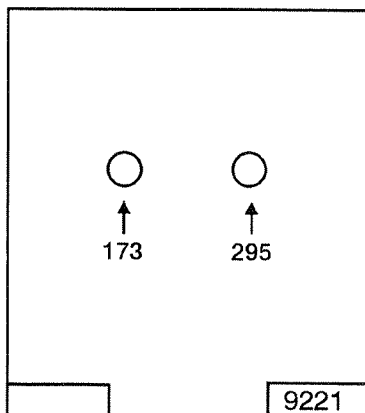
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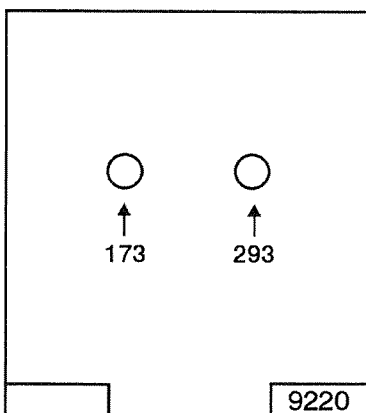
C16

9222



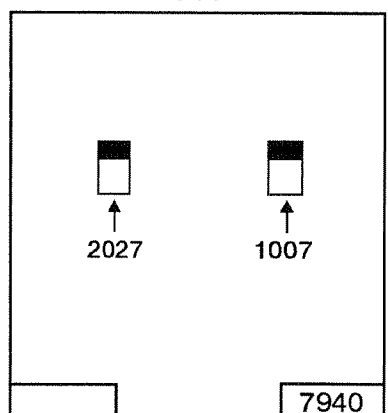
C17

9221



C18

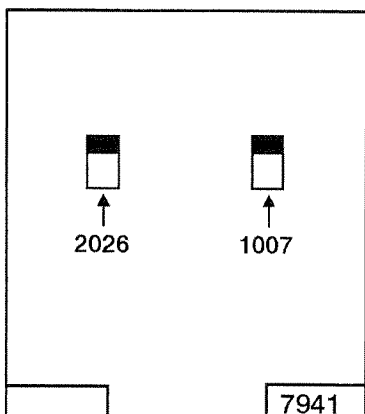
9220



C19

7940

70 0923



C20

7941